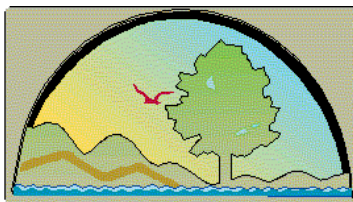


**MAXEY FLATS DISPOSAL SITE
ANNUAL REPORT
2004**

March 21, 2005



Environmental and Public Protection Cabinet
Department for Environmental Protection
Division of Waste Management
Superfund Branch

Maxey Flats Disposal Site
2597 Maxey Flat Road
Hillsboro, KY 41049
606-784-6612

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Table of Contents

| | Page |
|---|------|
| List of Acronyms | iii |
| List of Figures | iii |
| List of Tables | iii |
| List of Photographs | iii |
| List of Appendices | iv |
| 1.0 Introduction..... | 1 |
| 2.0 Scope of Work | 1 |
| 3.0 Surface Water Monitoring | 1 |
| 3.1 East Detention Basin..... | 1 |
| 3.2 Perennial Streams Surface Water..... | 2 |
| 3.3 Drainage Channels Surface Water | 2 |
| 3.4 Streams Surface Water Data Summary..... | 5 |
| 3.5 Sampling Equipment Status..... | 5 |
| 4.0 Dose Assessment | 5 |
| 5.0 Groundwater Monitoring | 6 |
| 5.1 Alluvial Wells | 6 |
| 5.2 USGS Monitoring Wells..... | 9 |
| 6.0 Data Management | 9 |
| 6.1 Data Reporting..... | 10 |
| 7.0 Rainfall Data | 10 |
| 8.0 Initial Remedial Phase Cap Maintenance | 10 |
| 8.1 Geo-membrane liner and boots..... | 10 |
| 8.2 Headwall Maintenance..... | 13 |
| 8.3 Subsidence Monitoring and Repair..... | 13 |
| 8.4 Diversion Berms | 13 |
| 8.5 Anchor Trenches..... | 13 |
| 8.6 Drainage Channels..... | 15 |
| 8.7 Articulating Concrete Block Mat (AB-mat) System | 15 |
| 8.8 Former Leachate Storage Facility Area | 16 |
| 8.9 Inspections | 16 |
| 8.10 Equipment Status | 16 |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Table of Contents

| | Page |
|--|------|
| 9.0 Trench Leachate Management and Monitoring..... | 16 |
| 10.0 Contaminated Liquid and Solid Waste | 18 |
| 11.0 Erosion Monitoring..... | 18 |
| 12.0 IMP Workplan Revisions, Changes, and Correspondence | 20 |
| 13.0 Custodial Care Activities | 20 |
| 13.1 Vegetation..... | 20 |
| 13.2 Building Maintenance..... | 20 |
| 13.3 Security Fence | 20 |
| 13.4 Roadway Maintenance..... | 21 |
| 14.0 Cathodic Protection..... | 21 |
| 15.0 Conclusion | 21 |

ANNUAL REPORT
 Maxey Flats Disposal Site
 2004

Table of Contents

List of Acronyms

| | |
|--------------|---|
| BoRP | Balance of Remedial Phase |
| Commonwealth | Commonwealth of Kentucky |
| DCSW | Drainage Channels Surface Water |
| IRP | Initial Remedial Phase |
| IMP | Interim Maintenance Period |
| MFDS | Maxey Flats Disposal Site |
| O & M | Operation and Maintenance Requirement Summary |
| PSVP | Performance Standards Verification Plan |
| PSSW | Perennial Streams Surface Water |
| RA | Remedial Action |
| USEPA | U.S. Environmental Protection Agency |
| USGS | U.S. Geological Survey |

List of Figures

| | Page |
|--|------|
| Figure 1 – Perennial Streams Surface Water Sampling Locations | 3 |
| Figure 2 – Drainage Channels Surface Water Sampling Locations..... | 4 |
| Figure 3 – Groundwater Monitoring Locations - Alluvial Wells | 7 |
| Figure 4 – Groundwater Monitoring Locations - USGS Wells | 8 |
| Figure 5 – IRP Cap – Geo-membrane Liner Repair Locations..... | 12 |
| Figure 6 – Erosion Monitoring Locations..... | 19 |
| Figure 7 – Certificate for Cathodic Protection..... | 23 |

List of Tables

| | Page |
|--|------|
| Table 1 – Summary of Annual Average Dose (mrem) All Sampling Locations – 2003-2004 | 5 |
| Table 2 – USGS Monitoring Well Tritium Data – 2004..... | 9 |
| Table 3 – Liner Defects Reported – 2004 | 11 |
| Table 4 – Subsidence Survey Measurements – 2004..... | 14 |
| Table 5 – Cathodic Protection Readings – 2004 | 22 |

List of Photographs

| | Page |
|---|------|
| Photo 1 – AB mats in South Channel following major rain event 7/12/2004..... | 17 |
| Photo 2 – AB mats in Southeast channel being lifted for realignment 11/9/2004 | 17 |
| Photo 3 – New cc45 mat being installed 11/9/2004..... | 17 |
| Erosion Markers Photograph Log <i>Compact Disc</i>Filename – USGS Erosion Marker 2004 | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Table of Contents

List of Appendices

- Appendix A** – East Detention Basin (EDB)
Appendix A1 – EDB Data Charts 2004
Appendix A2 – EDB Data Summary 2004
- Appendix B** – Perennial Streams Surface Water (PSSW) Data Charts and Summary 2004
Appendix B1 – PSSW Data Charts 2004
Appendix B2 – PSSW Data Summary 2004
- Appendix C** – Drainage Channels Surface Water (DCSW) Data Charts and Summary 2004
Appendix C1 – DCSW Data Charts 2004
Appendix C2 – DCSW Data Summary 2004
- Appendix D** – Dose Assessment 2004
- Appendix E** – Groundwater Monitoring Data Charts and Summary 2004
Appendix E1 – Alluvial Wells – Data Charts 2004
Appendix E2 – Alluvial Wells – Data Summary 2004
Appendix E3 – USGS Monitoring Wells – Liquid Level Charts 2004
Appendix E4 – USGS Monitoring Wells – Liquid Level Summary 2004
- Appendix F** – Maxey Flats Disposal Site – Annual Rainfall Data 2004
Appendix F1 – EDB Daily Rainfall Table
Appendix F2 – EDB Monthly Rainfall Totals Graph 2003-2004
- Appendix G** – Initial Remedial Phase Cap Maintenance and Repair Documentation 2004
- Appendix H** – Initial Remedial Phase Cap Inspection Forms 2004
- Appendix I** – Trench Leachate Management 2004
Appendix I1 – Trench Sump Liquid Level Charts 2004
Appendix I2 – Trench Level Measurements 2004
- Appendix J** – Maxey Flats Disposal Site – East Drain – Erosion Monitoring 2004
Appendix J1 – East Drain Cross-Section Charts 2004
Appendix J2 – East Drain Cross-Section Data Summary 2004
Appendix J3 – East Drain Cross-Section Areas

ANNUAL REPORT
Maxey Flats Disposal Site
2004

1.0 Introduction

The Maxey Flats Disposal Site (MFDS), located in Fleming County, Kentucky, approximately 10 miles northwest of Morehead, Kentucky, is an inactive low-level radioactive waste site owned by the Commonwealth of Kentucky (Commonwealth).

The Initial Remedial Phase (IRP), Remedial Action (RA) at the MFDS began in 1997 and concluded in June 2003. The U.S. Environmental Protection Agency (USEPA) issued the Certificate of Completion on October 6, 2003.

The Commonwealth is submitting this report in accordance with Section 4.0 of the Performance Verification Standard Plan (PSVP). The report details sampling and maintenance activities listed in the PSVP and the Operation and Maintenance Requirement Summary (O&M).

2.0 Scope of Work

The Interim Maintenance Period (IMP) is ongoing pursuant to the Consent Decree (Civil Action Number 95-58) signed by the U.S. Environmental Protection Agency (USEPA), the Maxey Flats Steering Committee (Settling Private Parties), and the Commonwealth. The Commonwealth is responsible for completion of the Balance of Remedial Phase (BoRP) that includes the Interim Maintenance Period, Final Closure Period and Associated Remedial Activities and Performance Monitoring.

The Interim Maintenance Period Work Plan describes the tasks to be completed including:

- Surface/ground water monitoring
- IRP cap maintenance and replacement
- Trench leachate management and monitoring
- Subsidence monitoring and surveys
- Erosion evaluation
- General site maintenance
- Contaminated liquid and waste disposal
- Data collection, analysis, and reporting
- Site drainage and erosion control features
- Installation of a horizontal flow barrier, if necessary

3.0 Surface Water Monitoring

3.1 East Detention Basin

The first point of monitoring surface water runoff from the Maxey Flats Disposal Site is at the East Detention Basin (EDB). Sampling is performed at the EDB based on storm events of 2.8 inches of rainfall in a 24-hour period. In order for the sequential sampler to collect a storm event sample, the sampler is programmed to collect a sample based on 0.11 inches of rainfall per hour. Appendix A contains a summary of the data obtained during this reporting period. A total of 36 samples were collected and analyzed for tritium. The annual average of tritium passing this point was 0.16 pCi/ml.

ANNUAL REPORT
Maxey Flats Disposal Site
2004

3.2 Perennial Streams Surface Water

Perennial Streams Surface Water (PSSW) monitoring is performed in streams inside and outside the Maxey Flats Disposal Site's boundary. These locations are monitored using sequential samplers that collect a daily composite sample. The sampling data reflected in Appendix B indicates the 4-mrem/yr-dose limit is being met at these locations. Map locations for the PSSW stations are shown in Figure 1.

A total of 1,817 PSSW samples were collected and analyzed for tritium during this period with no anomalous data reported. Charts of the data collected during this period along with a summary of the PSSW data are presented in Appendix B1 and B2 respectively.

Background samples are collected at location 122A. This sampling location is designated as background due to the absence of the influence of site water runoff. The annual average of tritium passing this point was 0.06 pCi/ml.

Sampling locations 106B, 122C, and 103E are stream surface water locations inside the buffer zone boundary and are monitored for a comparison to either the 4-mrem/year-dose limit or a tritium concentration of 20 pCi/ml (the USEPA drinking water standard). The annual averages of tritium passing sampling locations 106B, 122C, and 103E were 4.58 pCi/ml, 1.10 pCi/ml, and 0.91 pCi/ml respectively.

Because of the confluence of three streams, and its location outside of the buffer zone, 102D is designated as the compliance point. Sampling location 102D is monitored for a comparison to either the 4-mrem/year dose limit or a tritium concentration of 20 pCi/ml. The annual average of tritium passing sampling location 102D was 0.78 pCi/ml.

3.3 Drainage Channels Surface Water

Drainage channels upstream of the perennial streams are monitored using sequential samplers that collect a daily composite sample. These locations are monitored for comparison to a 25-mrem/yr total effective dose equivalent (TEDE).

A total of 1,035 samples were collected and analyzed for tritium during this period with no anomalous data reported. Charts of the data collected during this period along with a summary of the drainage channel surface water data are presented in Appendix C1 and C2 respectively.

Drainage Channels Surface Water (DCSW) monitoring locations are shown in Figure 2. These locations are located in drainage channels upstream of the perennial streams. Included are C107 (West drain), 143 (South drain), and 144 (East drain). The annual averages of tritium passing these sampling locations were 13.57 pCi/ml, 0.21 pCi/ml, 61.32 pCi/ml respectively.

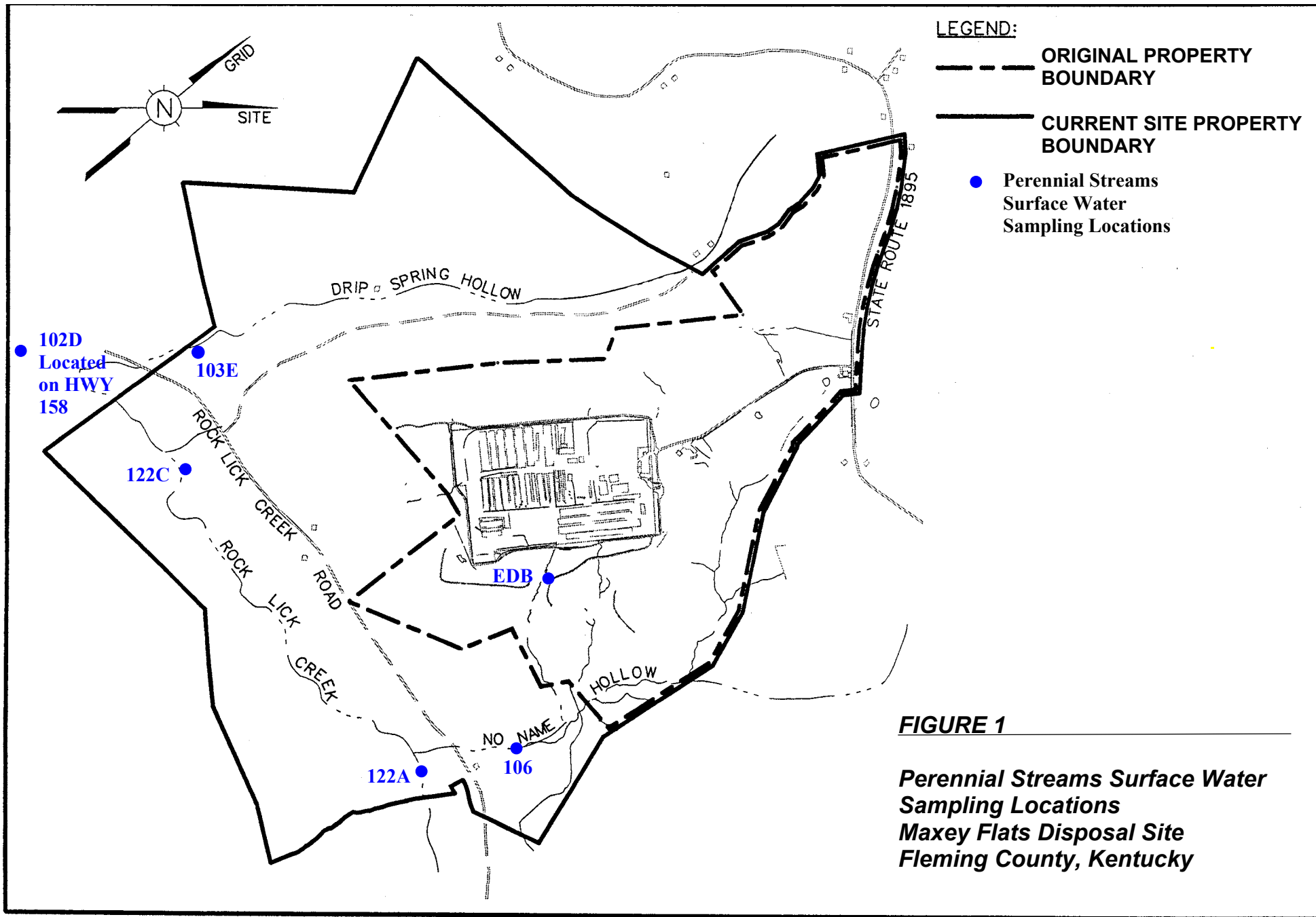


FIGURE 1

**Perennial Streams Surface Water Sampling Locations
Maxey Flats Disposal Site
Fleming County, Kentucky**

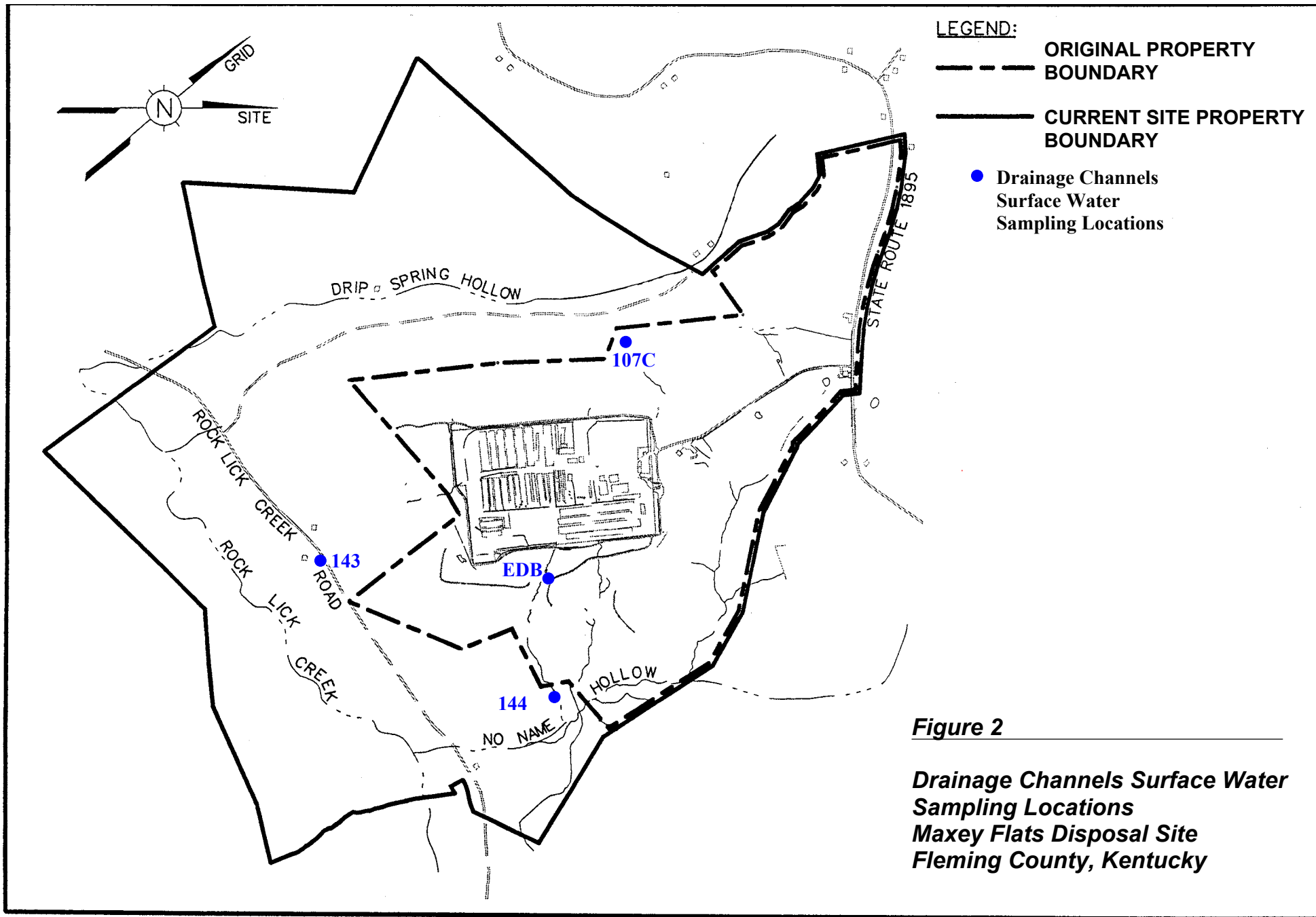


Figure 2

**Drainage Channels Surface Water
Sampling Locations
Maxey Flats Disposal Site
Fleming County, Kentucky**

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Sample analyses from location C107 indicated an increase in tritium activity during this reporting period. The highest tritium activity detected was 31.55 pCi/ml in March 2004.

January 2004 marked the beginning of the collection of daily composite samples at location 144. The highest tritium activity detected was 218 pCi/ml in April 2004.

The sampling data reflected in Appendix C indicates the 25-mrem/yr-dose limit is being met at these locations.

3.4 Streams Surface Water Data Summary

The analytical results for those points established for compliance monitoring during the IMP demonstrates there is no risk to human health or the environment.

3.5 Sampling Equipment Status

Samples were collected in accordance with the PSVP unless problems occurred beyond site's control such as freezing lines, washouts, no flow, or power outages. Comments are noted in the data summary of Appendix B2 and Appendix C2.

Four samples were missed from sampling location 106 in December 2004 due to a spilt in the sampler's pump tube. The defect could not be seen during a routine visit. During sample collection, an employee noticed some empty sampler containers and began to investigate. The problem was found and repaired the same day.

4.0 Dose Assessment

Tritium via waterborne pathways is the only significant dose contributor identified from the MFDS. A list of the sampling locations with the average activity, and dose assessment is listed in Appendix D. Table 1 is a summary of the annual average dose for each sampling location for 2003 and 2004.

Table 1
Summary of Annual Average Dose (mrem)
All Sampling Locations
2003-2004

| Location | Dose 2003 (mrem) | Dose 2004 (mrem) |
|----------|---------------------|---------------------|
| 122A | 2.92E-03 | 2.61E-03 |
| 106 | 2.05E-01 | 2.10E-01 |
| 122C | 4.55E-02 | 5.04E-02 |
| 102D | 3.09E-02 | 3.58E-02 |
| 103E | 2.45E-02 | 4.16E-02 |
| 143 | 9.94E-03 | 3.08E-03 |
| 144 | 2.68E+00 | 2.73E+00 |
| C107 | 4.31E-01 | 6.28E-01 |
| EDB | 4.71E-03 | 7.54E-03 |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Based on the assumption that all water sampled is available as drinking water, the annual whole-body dose for tritium in mrem/yr is calculated using the following equation:

$$D_{\text{whole body}}(\text{mrem/y}) = C_w \times U_w \times D_w$$

where

C_w = concentration of tritium in water (pCi/L)

U_w = water consumption rate (L/y) = 730L/y for maximally exposed individual

D_w = dose conversion factor (mrem/pCi)

= 6.3×10^{-8} mrem/pCi for tritium for whole body ingestion pathway for an adult

$D_{\text{whole body}}$ = effective dose equivalent (mrem/y) from ingestion of 730 L of potable water with tritium concentration C_w .

5.0 Groundwater Monitoring

Groundwater monitoring locations, referred to as alluvial wells and USGS monitoring wells, are shown in Figure 3 and Figure 4. Charts and a summary of the data collected during this period for the Alluvial Wells are located in Appendix E1 and E2. Charts and a summary of the data collected during this period for the USGS Monitoring Wells are located in Appendix E3 and E4.

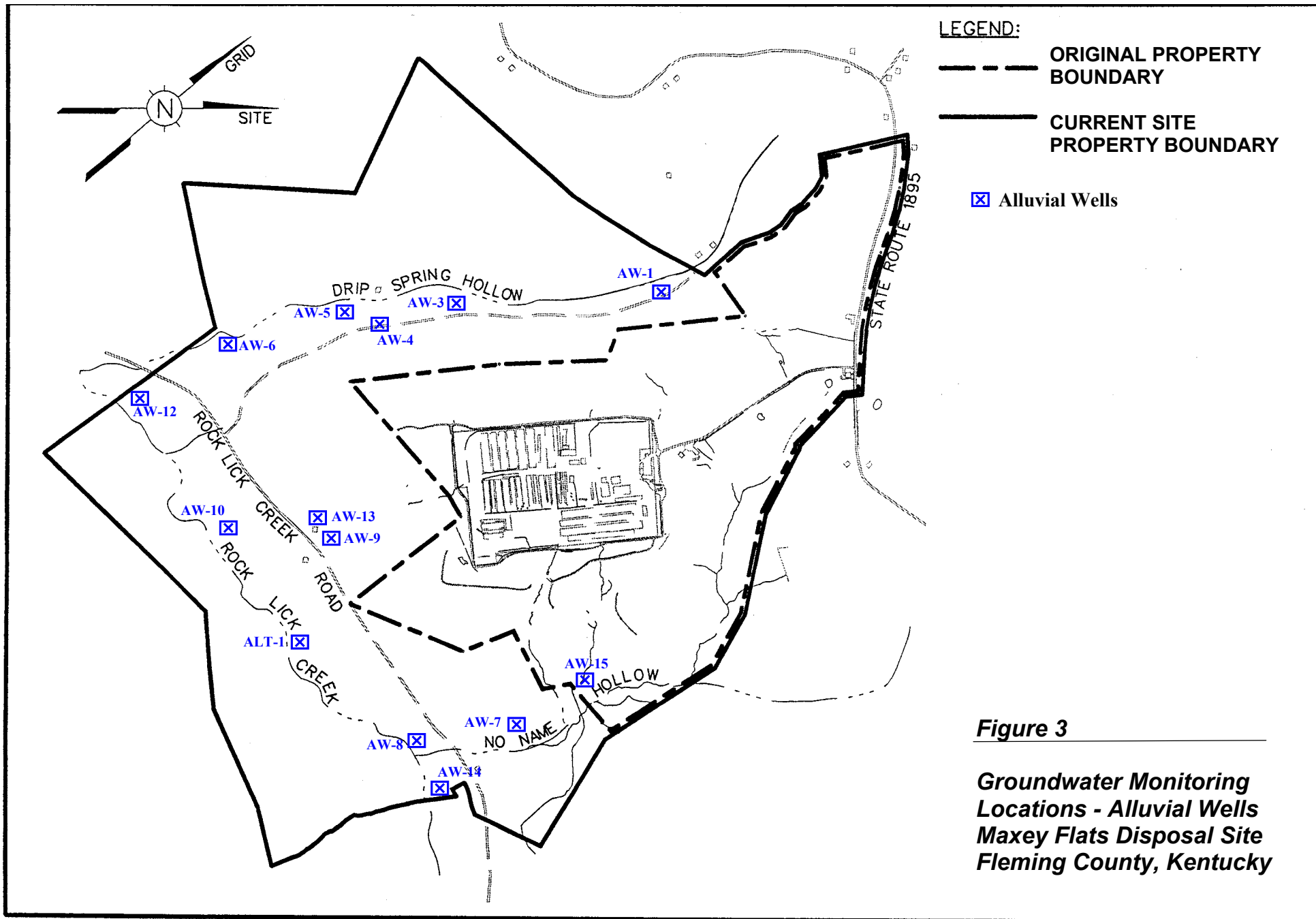
5.1 Alluvial Wells

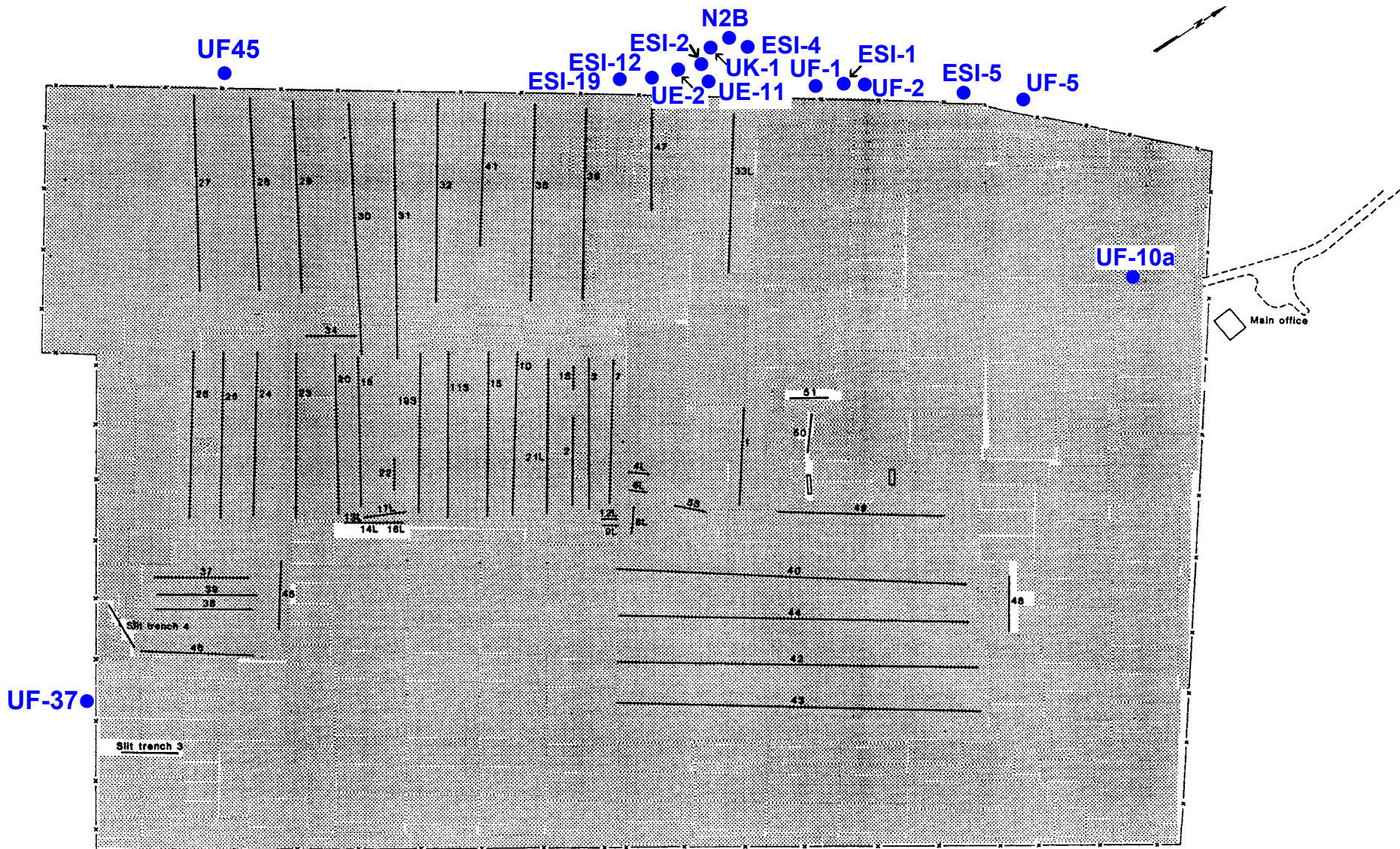
Alluvial well samples for this reporting period were collected as outlined in the PSVP. During this reporting period, a total of 30 samples were collected and analyzed for tritium. The tritium level detected in the alluvial wells varied from 0.00 to 17.12 pCi/ml. Appendix E1 shows the activity of the wells in chart form. A summary of the data obtained from the alluvial wells during this reporting period is presented in Appendix E2.

The monitoring frequency has temporarily been changed to quarterly for AW-1 due to elevated tritium levels. Samples collected from AW-1 in April 2002 indicated an increasing trend and peaked in April 2004 at 17.12 pCi/ml for tritium. With the increase in tritium activity, additional samples were collected in May and June 2004, with reported tritium activity of 15.34 pCi/ml and 15.05 pCi/ml respectively. The sample collected in July 2004 showed a decrease of tritium activity indicated by a result of 9.46 pCi/ml.

The concentration of tritium in AW-7 has shown a decreasing trend since the December 2001 (24.60 pCi/ml) sampling. The samples collected in April, July and October 2004 indicated tritium concentrations of 10.28 pCi/ml, 9.45 pCi/ml and 5.90 pCi/ml respectively.

Access to the alluvium within the buffer zone is controlled by the Commonwealth, therefore the alluvial wells are not considered a drinking water source and do not represent a potential radiological dose to the public.





EXPLANATION

- POLYVINYLCHLORIDE COVERED AREAS
- FENCE (RESTRICTED AREA)
- TRENCH CENTERLINE AND TRENCH NUMBER
- UF-1 WELL AND WELL NUMBER

Figure 4

Groundwater Monitoring Locations - USGS Wells Maxey Flats Disposal Site Fleming County, KY

ANNUAL REPORT
 Maxey Flats Disposal Site
 2004

During the mowing of the buffer zone area in August, AW-5 was hit by the contractor performing the service. The lock on the cap of the well casing was broken, and two of the four bollards (well protectors) were loosened. Two bollards were removed to free the mower from the well area and prevent any additional damage to the well. Site personnel reset the bollards in concrete and installed a new lock.

5.2 USGS Monitoring Wells

Sixteen monitoring wells around the perimeter of the site are monitored using automatic monitoring devices to record the liquid level measurement. Of these sixteen wells, four wells were selected for sampling on a semi-annual basis.

Charts of the liquid level and a summary of liquid level data are presented in Appendix E3 and E4 respectively. A summary of the sampling data obtained from the USGS monitoring wells during this reporting period is presented in Table 2. The tritium activity ranged from 6,663 pCi/ml at N2B to 638,029 pCi/ml at UE-2.

Table 2
 USGS Monitoring Well Tritium Data
 2004

| Well ID | 4/13/2004 | | | 10/26-27/2004 | | |
|---------|-----------------------------|-----------------------------|---------------------------|-----------------------------|-----------------------------|---------------------------|
| | Ground Level to Bottom (ft) | Ground Level to Liquid (ft) | Tritium Activity (pCi/ml) | Ground Level to Bottom (ft) | Ground Level to Liquid (ft) | Tritium Activity (pCi/ml) |
| N2B | 12.40 | 11.64 | 6,663 +/- 5 | 12.40 | 12.02 | 337,029 +/- 37 |
| UE-2 | 18.50 | 17.33 | 638,029 +/- 50 | 18.50 | 17.07 | 502,260 +/- 32 |
| UF-2 | 17.30 | 13.57 | 213,624 +/- 29 | 17.30 | 13.34 | 249,707 +/- 32 |
| UF-10a | | 29.99 | 34,135 +/-12 | | 30.23 | 39,157 +/- 13 |
| UK-1 | 15.70 | 13.81 | 313,902 +/- 35 | 15.70 | 13.56 | 453,865 +/- 43 |

6.0 Data Management

A data package is prepared for each group of samples analyzed on site. The data package contains the instrument's QC charts (efficiency and background), chain of custody form(s), raw data sheet, and data reduction sheet. Data is reviewed and validated through on-site procedures. An employee of the Commonwealth whose normal duties are not involved with the Maxey Flats Disposal Site validates the data monthly. Following validation, the data is entered into the site's database and transmitted to USEPA, USDOE, *de maximis inc.*, and the Commonwealth.

ANNUAL REPORT
Maxey Flats Disposal Site
2004

6.1 Data Reporting

Sampling data for the IMP was reported in accordance with the PSVP. The following indicates the month and the date the data was sent via e-mail to all parties.

| Month | Date Sent | Month | Date Sent |
|--------------|------------------|--------------|------------------|
| January | 2/18/04 | July | 8/26/04 |
| February | 3/10/04 | August | 9/27/04 |
| March | 4/22/04 | September | 11/03/04 |
| April | 5/17/04 | October | 11/18/04 |
| May | 6/16/04 | November | 12/14/04 |
| June | 7/21/04 | December | 01/18/05 |

The Semi-annual report was submitted to EPA and *de maximis, inc.* on August 3, 2003.

7.0 Rainfall Data

Presently there are three rain gauges on site: East Detention Basin, UF-37, and the main office. The annual rainfall data presented in Appendix F was obtained from the rain gauge located at the East Detention Basin. This data was chosen because the gauge is used in conjunction with the sampler at the East Detention Basin. A total of 50.32 inches of rainfall was measured at this gauge during the year 2004.

8.0 Initial Remedial Phase Cap Maintenance

8.1 Geo-membrane liner and boots

The annual inspection of the geo-membrane liner covering the trench cap began in April 2004 and was completed in June 2004. Air lancing of the field seams and visual inspection of the factory seams were conducted as required in O&M, Sections 3.1.1, Geo-membrane Liner Maintenance and 3.1.2, Geo-membrane Liner Boots. A list of the defects found during the annual inspection and throughout the reporting period is located in Table 3. Geo-membrane Liner Repair Locations; Figure 5, shows the locations of defective areas where repairs were made to the geo-membrane liner during this period.

The trench sump boots were inspected during the monthly liner inspections and during the downloading of the trench sump liquid level measurements. During this period there were no signs of any defects at the sump boots.

A summary of the repairs made to the geo-membrane liner for 2004 is presented in Appendix G along with the repair and quality assurance forms. Other routine inspections performed during this period are presented in Appendix H. These inspections indicated the geo-membrane liner was functioning as designed and meeting performance standards.

ANNUAL REPORT
Maxey Flats Disposal Site
2004

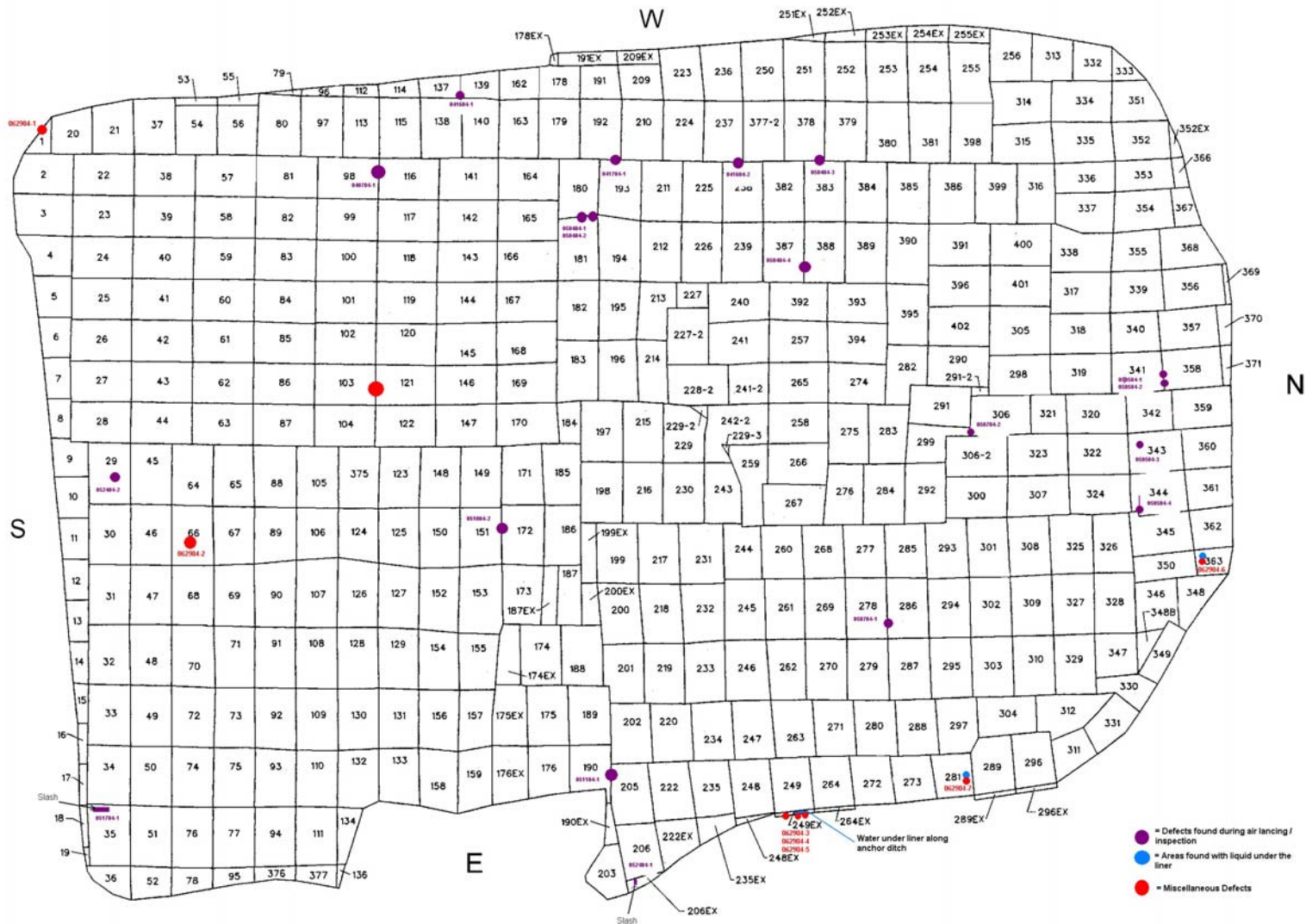
TABLE 3
Liner Defects Reported
2004

| Liner Panel # | Description | Repair Date |
|---------------------------------|---|--------------------|
| NW corner of LP 98 | Field seam, approximately 1 inch | 5/17/04 |
| NE corner of LP 137 | Field seam, six inches | 5/17/04 |
| 10 ft south of NW corner LP 192 | Field seam, ½ inch | 5/17/04 |
| 5 ft south of NE corner LP 180 | Field seam, 1 inch | 5/17/04 |
| 8 ft south of NE corner LP 180 | Field seam, 1 inch | 5/17/04 |
| 5 ft W of NE corner LP 387* | Field seam, 24 inches | 5/17/04 |
| NE corner of LP 151 | Field seam, 5 inches | 5/17/04 |
| Middle of north edge, LP 190 | Field seam, 10 inches | 5/17/04 |
| North end of panhandle, LP 299 | Field seam, 1 inch | 5/17/04 |
| 10 ft W of NE corner, LP 278 | Field seam, 1 inch | 5/17/04 |
| SW corner LP 34 | Field seam, 3 inches | 5/17/04 |
| NE corner, LP 344 | Field seam, 2 inches | 5/24/04 |
| NE corner, LP 341 | Field seam, ½ inch | 5/24/04 |
| NE corner, LP 341 | Field seam, ½ inch; second defect in area | 5/24/04 |
| NE corner, LP 378 | Field seam, 1 inch | 5/24/04 |
| Middle of N edge, LP 237 | Filed seam, ½ inch | 5/24/04 |
| 3 ft from SE corner, LP 206 | 4 inch cut in liner | 5/24/04 |
| 3 ft NE of SW corner, LP 343 | Bad weld | 5/24/04 |
| Middle LP 29, anchor trench | Bad weld | 5/24/04 |
| 8 ft from LP 1-20 field seam | 5 inch tear, outside edge | 6/29/04 |
| Center of LP 66 | 3 inch cut | 6/29/04 |
| 3 ft N of defect 062904-3; | 7 inch cut to release water under liner | 6/29/04 |
| Outer edge LP 249 EX | | |
| 2 ft north of defect 062904-4 | 5 inch cut to release water under liner | 6/29/04 |
| Outer edge of LP 249 EX | | |
| 15 ft from N edge of | 1 inch cut to release water under liner | 6/29/04 |
| LP 363/348 field seam | | |
| 15 ft from AB Mats along | 6 inch cut to release water under liner | 6/29/04 |
| LP 281/289 field seam | | |
| 1 ft from outer edge, 6 ft from | ½ inch sampling port | 6/30/04 |
| south edge, LP 240EX | | |

* This defect was leistered on 5/4/04.
 Leistering is a temporary method of joining liner material prior to permanent repair.

ANNUAL REPORT
 Maxey Flats Disposal Site
 2004

Figure 5 - Geo-membrane Liner Repair Locations



ANNUAL REPORT
Maxey Flats Disposal Site
2004

8.2 Headwall Maintenance

Headwall maintenance includes the four headwalls and associated items along the North Channel and the NE corner piping, geo-membrane liner batten, and the liquid collection system.

During this reporting period debris/leaves were removed multiple times from the trash grate and restricting plate of the upstream headwall of the NE Corner piping. Removal of the leaves/debris will be a continuous maintenance issue for the site.

Liquid was detected under the liner at Headwall A (the western-most headwall in the North Channel) twice during this reporting period. Samples were collected and analyzed in July and August with tritium activities of 4.11 pCi/ml and 3.54 pCi/ml respectively. The liquid was pumped from the headwall and released to the grassy area along the north side of the channel. An estimated 300 gallons were removed in July and 100 gallons in August. Investigations were conducted to locate the source of the liquid, but none was found. Inspections of this area for the remainder of the year has indicated no further liquid accumulation.

8.3 Subsidence Monitoring and Repair

Subsidence inspections were conducted monthly in accordance with the O&M, Section 3.3.3, Subsidence Monitoring. No noticeable subsidence of the trench area was observed during this reporting period.

Curd Surveying, Inc. was on site during April 2004 performing the annual engineering survey of the trench cap. Elevations were obtained for the twenty-eight locations established during the remedial work. In view of the fact that no elevation measurements were obtained when the points were established, no comparison can be made for this report. A topographic map generated by the remedial contractor shows the location of each subsidence survey point, however the precise elevation cannot be determined. Table 4 shows the measurements obtained by Curd Surveying, Inc. that will be the baseline data used for comparison in the future.

8.4 Diversion Berms

The diversion berms were inspected twice a month as required by the O&M. All were found to be in satisfactory condition.

No liquid was detected under the geo-membrane liner at the diversion berms.

8.5 Anchor Trenches

The anchor trenches were inspected twice a month as required by the O&M. As a result of the annual inspection, one anchor trench liner repair was required. The repair was completed May 24, 2005.

ANNUAL REPORT
 Maxey Flats Disposal Site
 2004

Table 4
SUBSIDENCE SURVEY
 Maxey Flats Disposal Site

| Control Point | | Apr-04 Elevation | | Control Point | | Apr-04 Elevation |
|----------------------|--------------------------|-------------------------|--|----------------------|--------------------------|-------------------------|
| 1 | N 276,929 E 2,194,385 | 1061.82 | | 15 | N 277,013 E 2,194,941 | 1060.65 |
| 2 | N 277,051 E 2,194,501 | 1064.53 | | 16 | N 277,074 E 2,194,986 | 1058.84 |
| 3 | N 277,065 E 2,194,625 | 1064.72 | | 17 | N 276,568 E 2,194,955 | 1054.77 |
| 4 | N 277,143 E 2,194,673 | 1063.9 | | 18 | N 276,487 E 2,195,026 | 1050.9 |
| 5 | N 277,284 E 2,194,459 | 1058.81 | | 19 | N 277,177 E 2,195,335 | 1047.4 |
| 6 | N 277,281 E 2,194,621 | 1063.65 | | 20 | N 277,146 E 2,195,406 | 1045.59 |
| 7 | N 277,413 E 2,194,725 | 1061.72 | | 21 | N 277,114 E 2,195,484 | 1042.68 |
| 8 | N 277,478 E 2,194,627 | 1059.75 | | 22 | N 277,085 E 2,195,540 | 1039.28 |
| 9 | N 277,543 E 2,194,690 | 1060.73 | | 23 | N 277,270 E 2,195,510 | 1049.75 |
| 10 | N 276,728 E 2,194,626 | 1057.06 | | 24 | N 277,431 E 2,195,485 | 1053.08 |
| 11 | N 276,829 E 2,194,704 | 1060.61 | | 25 | N 277,384 E 2,195,561 | 1052.27 |
| 12 | N 276,883 E 2,194,844 | 1062.31 | | 26 | N 277,346 E 2,195,645 | 1048.32 |
| 13 | N 276,965 E 2,194,697 | 1063.64 | | 27 | N 277,320 E 2,195,694 | 1045.39 |
| 14 | N 276,976 E 2,194,798 | 1063.55 | | 28 | N 277,675 E 2,195,462 | 1059.72 |

Survey conducted by Curd Surveying, Engineering & Land Consulting, Inc., Morehead, Kentucky

No baseline measurements were obtained during the site's remediation.
 April 2004 data is being used as Baseline Measurements.

ANNUAL REPORT
Maxey Flats Disposal Site
2004

8.6 Drainage Channels

All drainage channels were inspected during this period as required by the O&M. Control of weeds and vegetation in the Articulating Block mats and at the gabions was performed by spraying the areas with weed killer and/or manually removing the vegetation.

8.7 Articulating Concrete Block Mat (AB mat) System

The AB mat system was inspected monthly as required by the O&M.

South Channel Articulating Block Mats

A rain event occurring in June 2004 caused minor movement to the articulating blocks (AB mats) in the South Channel. Realignment of the AB mats was made by site personnel on June 10, 2004.

A rain event on July 12, 2004 caused major movement of the AB mats in the South Channel. The damage caused by this incident was beyond the scope of site resources. The Commonwealth notified the U.S. Environmental Protection Agency and *de maximis, inc.* of the occurrence in July 2004. In accordance with the Consent Decree, the contractor was responsible for making the repairs.

Following an evaluation of the disturbance of the AB mats by David Schaad of Marshall, Miller & Associates in August 2004, conference calls were scheduled to discuss the action to be taken. During the conference call on October 13, 2004, the Commonwealth and USEPA were notified that a workplan was being prepared by SHAW (the former lead contractor for site remediation) to make the necessary repairs.

The Commonwealth agreed to handle the task of radiological health and safety as it related to training, oversight, and access. A radiological safety training class was held on November 8, 2004 for workers that would be entering the restricted area. Mobilization also began on November 8, 2004 with a projected completion date of November 24, 2004.

The first task was to remove organic material and debris from the existing, smaller-sized cc45 AB Mats.

The connecting cable clamps were then removed to allow realignment and replacement. A 200-ton crane was mobilized on November 9, 2004 for this task. The six cc45 (8 ft x 16 ft) AB mats at the end of the south channel were replaced with twelve larger-sized cc70 (4 ft x 16 ft) AB mats. Nine other cc45 AB mats that were damaged beyond usability were also replaced. Following this procedure, the stainless steel clamps were reinstalled.

Following the realignment/replacement of the AB Mats, a bonding agent was applied. Prior to placing the cementitious fill material, five rows of 3/16 inch diameter stainless

ANNUAL REPORT
Maxey Flats Disposal Site
2004

steel cable were laced through the cc45 AB mats. Cementitious material was then placed in the void spaces of the individual AB mat blocks.

After the cementitious fill material was allowed to cure, cc70 AB mats were staggered atop the cc45 AB mats for further flow control. Finally, the cc70 AB mats were secured using turnbuckles and cable clamps as required.

Photo 1 shows the AB mats in the South Channel following the rain event in July 2004. Photo 2 shows AB Mats being lifted for realignment. As mats were lifted, debris was removed from under each mat. Photo 3 shows a new cc45 mat being installed to replace a damaged cc45 mat.

The work on the AB Mats in the South Channel was completed on November 18, 2004.

8.8 Former Leachate Storage Facility Area

The covered area of the former leachate storage facility was found to be in satisfactory condition. The area shows no signs of subsidence or any damage to the geo-membrane liner or boots around the tank extensions.

8.9 Inspections

A total of 97 inspections were performed during the period of January 2004 through December 2004. All items inspected were found to be in satisfactory condition and meeting performance standards. Appendix H contains all inspection forms completed during this period.

8.10 Equipment Status

All liner repair equipment remains in good working condition. Quality control (QC) checks of the liner welding equipment are conducted prior to making repairs to the geo-membrane liner. Following the completion of liner repairs, the equipment is cleaned and placed in storage.

9.0 Trench Leachate Management and Monitoring

Trench sump liquid level measurements were obtained in accordance with the PSVP, Section 2.3, Sump Measurement. The purpose for collection and evaluation of the trench sump leachate levels are to:

- Detect recharge conditions that may require leachate management
- Provide data for future evaluation of the horizontal flow barriers

An electronic water level monitoring device collects daily water level measurements of the trench sumps and stores the data via data loggers prior to electronic downloading. The data loggers are programmed to obtain a liquid level measurement once per day. Of the 83 trench sumps, 77 trench sumps have automatic monitoring devices. The remaining six sumps do not have automatic monitoring devices because they are either dry or have insufficient liquid for the automatic monitoring devices to function properly.

ANNUAL REPORT
Maxey Flats Disposal Site
2004



Photo 1
AB mats in South Channel
following major rain event.

Photo by Jeff Stamper.



Photo 2
AB mats in Southeast channel
being lifted for realignment

Photo by T. Stewart



Photo 3
New cc45 mat being installed

Photo by T. Stewart

ANNUAL REPORT
Maxey Flats Disposal Site
2004

A manual level measurement of all trench sumps' leachate was performed during October of this reporting period. The manual measurements verify readings obtained from the electronic water level monitoring device automatic monitoring devices. The necessary adjustments were made to the data loggers to correlate the manual measurements with the readings obtained from the data loggers.

Charts and a summary of the liquid level measurements for all 83 trench sumps are found in Appendix I1 and I2, respectively. The freeboard calculation for each trench sump is shown by their respective graph.

10.0 Contaminated Liquid and Solid Waste

Contaminated liquid and waste generated on site will be disposed of in accordance with the IMP Work Plan; Section 3.2, Treatment of Other Contaminated Liquids, and Section 3.3, Waste Burial.

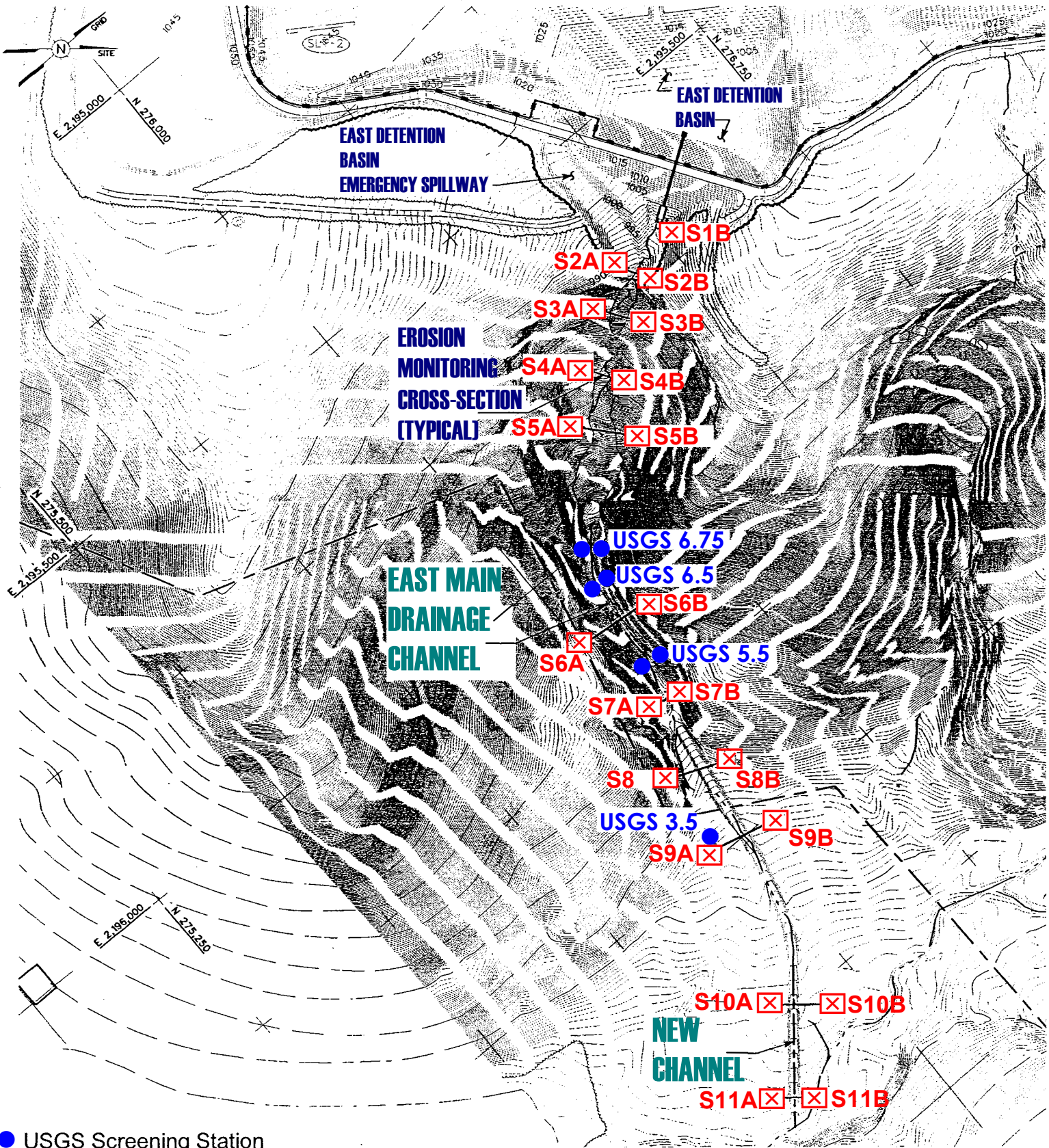
No liquid removed from the trench cap area required storage in the on-site liquid storage tank during this reporting period. No solid waste was disposed on site during this reporting period. Limited laboratory waste was generated through normal work at the site.

11.0 Erosion Monitoring

Erosion monitoring consists of obtaining elevation measurements and observations of the east drainage channel. The U.S. Geological Survey monitored the East Main Drainage Channel twice during this reporting period. Locations of the erosion monuments are shown in Figure 6. Charts of the erosion measurements obtained during this period are found in Appendix J1. The erosion measurements are found in Appendix J2. A summary of the area for each cross section at the East Drain is presented in Appendix J3. Photographic depictions of the marker locations are included on this compact disc under the file labeled "USGS Erosion Marker 2004".

There were no major water erosion or mud/rock slides evident in the channel during this reporting period.

Inspections of the south and west channels were completed in the spring and fall, with minimal erosion observed.



- USGS Screening Station
- ☒ Cross Sections Installed During Remedial Activities

Figure 6
Erosion Monitoring Locations
Maxey Flats Disposal Site
Fleming County, KY

ANNUAL REPORT
Maxey Flats Disposal Site
2004

12.0 IMP Work Plan Revisions, Changes and Correspondence

Revisions and changes to the IMP Work Plan are required to be in writing and submitted to USEPA for approval. During this reporting period, three revisions or changes for the inspection forms were submitted.

- Change the heading for the Daily/Weekly Inspection to allow for individual performing the inspection to initial and remove severe weather requirement from inspection since it is a daily inspection.
- Remove severe weather requirements from quarterly, semi-annual, and annual inspections.
- Change severe weather condition from 1.5 inches of rain to 2.8 inches to be consistent with the PSVP. A storm event is listed as 2.8 inches in a twenty-four hour period.

Change request forms were sent to USEPA March 22, 2004 and a copy sent to *de maximis inc.*

13.0 Custodial Care Activities

13.1 Vegetation

Vegetation covering the areas that were disturbed during the remedial activities is slowly being established. These areas were maintained by reseeding, fertilizing, and mowing.

Seven low areas located in the north borrow area were repaired by Shearer and Thompson Farm Supply. These areas were filled with topsoil, seeded, fertilized, and covered with mulch.

13.2 Building Maintenance

Routine maintenance was conducted for all on site buildings. No major modifications or repairs were necessary during this reporting period.

13.3 Security Fence

The security fence surrounding the site remains in satisfactory condition with minor maintenance required. The gates and locking mechanisms were checked and maintenance was performed as indicated by the O&M plan. During a training exercise conducted by the Kentucky Department of Forestry on February 25, 2004, a 20 foot section of the fence was damaged by a falling tree. No breach of security occurred during the period of the damage until repairs were made. Materials were ordered for the necessary repairs, and repairs were completed in the early part of March 2004.

Story Tree Service, a local contractor, was hired to remove approximately 50 trees from the west side of the site. Trees removed posed a potential threat to the perimeter fence and/or the geo-membrane liner. To avoid any erosion concerns, the stumps were left intact. Work was completed by December 27, 2004.

ANNUAL REPORT
Maxey Flats Disposal Site
2004

13.4 Roadway Maintenance

The perimeter road around the site remains in good condition.

14.0 Cathodic Protection

The cathodic protection for the underground waste disposal tank was checked monthly. All readings were within the accepted range according to the operating instructions. Table 5 shows the recordings by date of the DC voltage and Amperage.

Sam Vessel, Corrosion Technical Services, was on site in April 2004 to perform the annual inspection of the Cathodic Protection System. The system was working as designed. A certification form was issued to the Commonwealth and is included as Figure 7.

To have qualified staff onsite, arrangements were made for Tom Stewart, site employee to receive Cathodic Protection Systems training. Tom was certified on April 29, 2004 by Specialized Environmental Equipment, Inc.

15.0 Conclusion

This concludes the textual outlining of the maintenance activities at the Maxey Flats Disposal site for 2004. The remainder of the document consists of: data, charts, and summaries, liner inspection and repair forms, and other graphical materials aforementioned.

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Table 5
Cathodic Protection Readings
2004

| Date | Reading (DC volts) | Reading (DC Amps) | Reading By: |
|-------------|-------------------------------|------------------------------|--------------------|
| January | 7.0 | 1.90 | Roger Brown |
| February | 7.0 | 1.80 | Jeff Stamper |
| March | 7.0 | 1.80 | Jeff Stamper |
| April | 6.0 | 1.80 | Jeff Stamper |
| May | 6.0 | 1.80 | Jeff Stamper |
| June | 6.0 | 1.80 | Jeff Stamper |
| July | 6.0 | 1.80 | Jeff Stamper |
| August | 6.0 | 1.80 | Jeff Stamper |
| September | 6.0 | 1.80 | Jeff Stamper |
| October | 6.5 | 2.00 | Roger Brown |
| November | 6.5 | 1.90 | Roger Brown |
| December | 6.5 | 1.80 | Roger Brown |

Figure 7 Cathodic Protection Report

CATHODIC PROTECTION SYSTEM DETAIL REPORT
CORROSION CONTROL MONITORING
CORROSION TECHNICAL SERVICES - WEST CHESTER, OHIO
(513) 777-7670

| ID No.: MFP-001 | | NAME: Maxey Flats Disposal Site - Fleming County, KY | | | | | | | | |
|-------------------------|-----------------------|--|------------------|-------------------|-----------------------------|--------|---|-------|------|-------|
| METER: None | | ADDRESS: 2597 Maxey Flats Road, Hillsboro, KY 41049 | | | | | | | | |
| DATE OF TEST: | | 03/12/04 | 3/12/2004 | | GROUND BED COMPUTATION | | | | | |
| TESTER INITIALS: | | SLV | SLV | | OVERALL AVERAGE | | | | | |
| RECTIFIER TAP SETTINGS: | | NA | C-1 F-2 | | (\bar{X}) E: 3.19 Volts | | | | | |
| RECTIFIER OUTPUT: | | Volts | 6.22 Volts | Volts | Σ I: 1.54 Amps | | | | | |
| 16.70 | Shunt: 50 MV - 5 Amps | Amps | 1.67 Amps | Amps | Ω R: 2.07 Resistance | | | | | |
| STA.# | DESCRIPTION | VOLTAGE POTENTIALS (-V) | | | | | GROUND BED PERFORMANCE | | | |
| | | V _{-Native} | V _{-On} | V _{-Off} | Polarized | Status | No. | Volts | Amps | Shunt |
| 01 | Tank No. 1 - FF1 | | 1.374 | 1.137 | | PASS | 1 | 3.30 | 0.09 | 0.90 |
| 02 | Tank No. 1 - FF2 | | 1.167 | 1.098 | | PASS | 2 | 1.97 | 0.10 | 1.00 |
| 03 | Tank No. 1 - S1 | | 1.136 | 1.096 | | PASS | 3 | 3.71 | 0.63 | 6.30 |
| 04 | Tank No. 1 - S2 | | 1.604 | 1.030 | | PASS | 4 | 3.77 | 0.72 | 7.20 |
| 05 | | | | | | | 5 | 3.03 | 0.10 | 1.00 |
| 06 | Tank No. 2 - FF1 | | 1.274 | 1.040 | | PASS | 6 | | | |
| 07 | Tank No. 2 - FF2 | | 1.256 | 1.104 | | PASS | | | | |
| 08 | Tank No. 2 - S1 | | na | na | | na | Average Volts: 3.16 | | | |
| 09 | Tank No. 2 - S2 | | 1.481 | 1.072 | | PASS | Total Amps: 1.64 | | | |
| 10 | | | | | | | <p style="text-align: center;">RECTIFIER DATA</p> <p>Manufacturer: ALCO CP Rect.</p> <p>Model No.: ASAI</p> <p>DC Rating: 50 V - 5 A</p> <p>AC Volts: 115/230 VAC</p> <p>AC Amps: 3.1/1.5 AAC</p> <p>Serial No.: 021901</p> | | | |
| 11 | FF = Flowable Fill | | | | | | | | | |
| 12 | S = Soil | | | | | | | | | |
| 13 | RF - Reference Cell | | | | | | | | | |
| 14 | | | | | | | | | | |
| 15 | | | | | | | | | | |
| 16 | | | | | | | | | | |
| 17 | | | | | | | | | | |
| 18 | | | | | | | | | | |
| 19 | | | | | | | | | | |
| 20 | | | | | | | | | | |

NOTE:

Tested By:

Samuel L. Vessel

Samuel L. Vessel, Engineer
NACE Corrosion Specialist-G, #4097
WV DEP Certification D&E #DE524

ANNUAL REPORT
Maxey Flats Disposal Site
2004

APPENDIX A

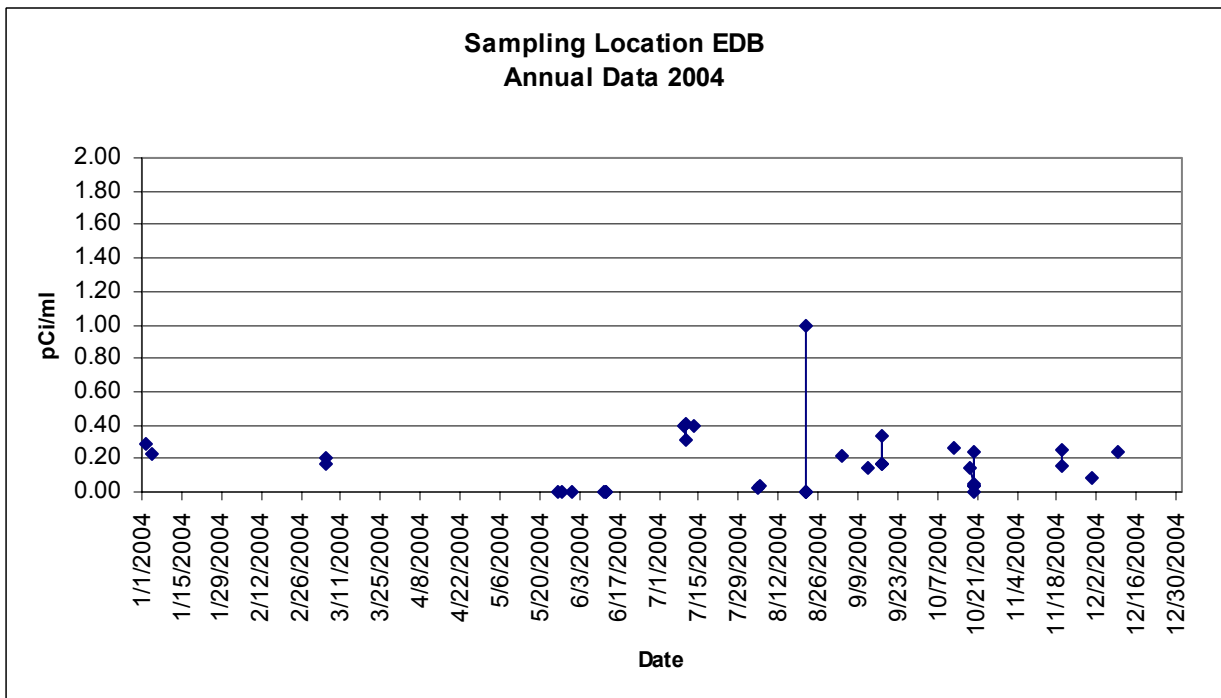
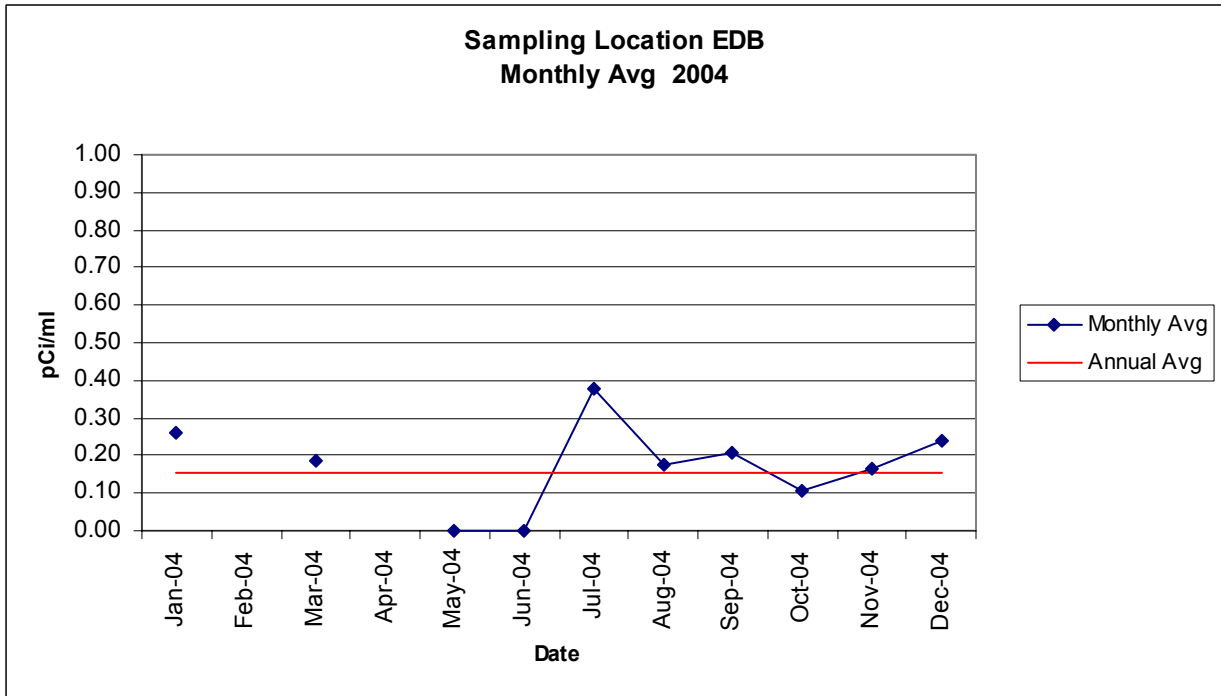
**EAST DETENTION BASIN
DATA CHARTS AND SUMMARY
2004**

ANNUAL REPORT
Maxey Flats Disposal Site
2004

APPENDIX A1

**EAST DETENTION BASIN
DATA CHARTS
2004**

ANNUAL REPORT
 Maxey Flats Disposal Site
 2004
East Detention Basin Discharge Flow



Note: All samples less than 20 pCi/ml – insufficient precipitation for sample for Feb and Apr 2004
 MDA = 0.44 pCi/ml
 Annual average = 0.18 pCi/ml
 Min = 0.00 pCi/ml Max = 1.00 pCi/ml

ANNUAL REPORT
Maxey Flats Disposal Site
2004

APPENDIX A2

**EAST DETENTION BASIN
DATA SUMMARY
2004**

ANNUAL REPORT
 Maxey Flats Disposal Site
 2004

East Detention Basin (EDB)

| Date | Activity (pCi/ml) | err | mda | Comments |
|----------|-------------------------|------|------|------------|
| 01/02/04 | 0.29 +/- 0.12 | 0.12 | 0.39 | |
| 01/04/04 | 0.23 +/- 0.12 | 0.12 | 0.39 | |
| 02/02/04 | NO SAMPLES FOR FEBRUARY | | | |
| 03/05/04 | 0.17 +/- 0.13 | 0.13 | 0.43 | Time: 1745 |
| 03/05/04 | 0.20 +/- 0.13 | 0.13 | 0.43 | Time: 1900 |
| 04/01/04 | NO SAMPLES FOR APRIL | | | |
| 05/26/04 | 0.00 +/- 0.14 | 0.14 | 0.46 | |
| 05/27/04 | 0.00 +/- 0.14 | 0.14 | 0.46 | |
| 05/31/04 | 0.00 +/- 0.13 | 0.13 | 0.44 | |
| 06/11/04 | 0.00 +/- 0.14 | 0.14 | 0.45 | |
| 06/12/04 | 0.00 +/- 0.13 | 0.13 | 0.45 | Time: 1415 |
| 06/12/04 | 0.00 +/- 0.13 | 0.13 | 0.45 | Time: 1445 |
| 07/09/04 | 0.40 +/- 0.14 | 0.14 | 0.46 | |
| 07/10/04 | 0.31 +/- 0.14 | 0.14 | 0.46 | Time: 1700 |
| 07/10/04 | 0.41 +/- 0.14 | 0.14 | 0.46 | Time: 1715 |
| 07/13/04 | 0.39 +/- 0.14 | 0.14 | 0.46 | |
| 08/04/04 | 0.02 +/- 0.13 | 0.13 | 0.43 | |
| 08/05/04 | 0.03 +/- 0.13 | 0.13 | 0.43 | |
| 08/21/04 | 0.00 +/- 0.13 | 0.13 | 0.44 | Time: 1530 |
| 08/21/04 | 0.00 +/- 0.13 | 0.13 | 0.44 | Time: 2215 |
| 08/21/04 | 0.00 +/- 0.13 | 0.13 | 0.44 | Time: 2245 |
| 08/21/04 | 1.00 +/- 0.13 | 0.13 | 0.44 | Time: 2315 |
| 09/03/04 | 0.22 +/- 0.13 | 0.13 | 0.43 | |
| 09/12/04 | 0.14 +/- 0.13 | 0.13 | 0.43 | |
| 09/17/04 | 0.17 +/- 0.13 | 0.13 | 0.43 | Time: 0415 |
| 09/17/04 | 0.33 +/- 0.14 | 0.14 | 0.43 | Time: 0545 |
| 09/17/04 | 0.17 +/- 0.13 | 0.13 | 0.43 | Time: 0730 |
| 10/12/04 | 0.26 +/- 0.14 | 0.14 | 0.45 | |
| 10/18/04 | 0.14 +/- 0.13 | 0.13 | 0.44 | |
| 10/19/04 | 0.05 +/- 0.13 | 0.13 | 0.44 | Time: 0001 |
| 10/19/04 | 0.24 +/- 0.14 | 0.14 | 0.44 | Time: 0015 |
| 10/19/04 | 0.04 +/- 0.13 | 0.13 | 0.44 | Time: 1430 |
| 10/19/04 | 0.00 +/- 0.13 | 0.13 | 0.44 | Time: 1615 |
| 10/19/04 | 0.03 +/- 0.13 | 0.13 | 0.44 | Time: 1645 |
| 11/19/04 | 0.25 +/- 0.13 | 0.13 | 0.43 | Time: 0600 |
| 11/19/04 | 0.16 +/- 0.13 | 0.13 | 0.43 | Time: 0630 |
| 11/30/04 | 0.08 +/- 0.13 | 0.13 | 0.44 | Time: 1630 |
| 12/09/04 | 0.24 +/- 0.13 | 0.13 | 0.43 | Time: 1515 |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

APPENDIX B

**PERENNIAL STREAMS SURFACE WATER
DATA CHARTS AND SUMMARY
2004**

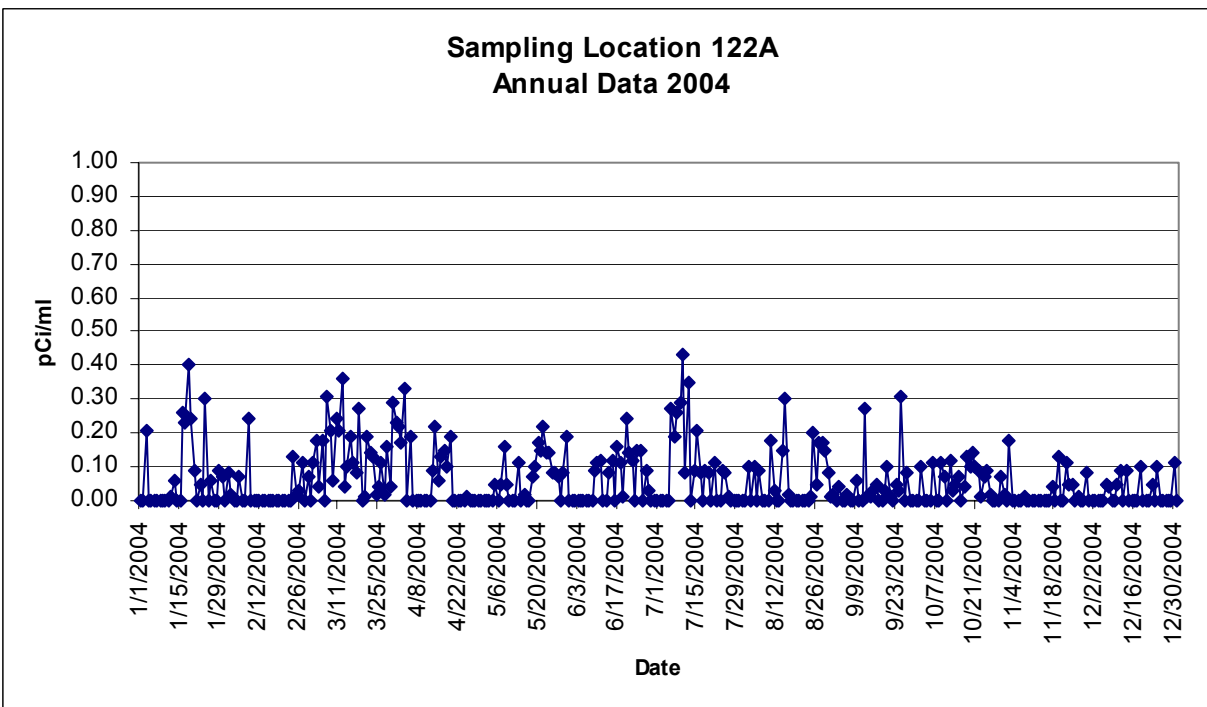
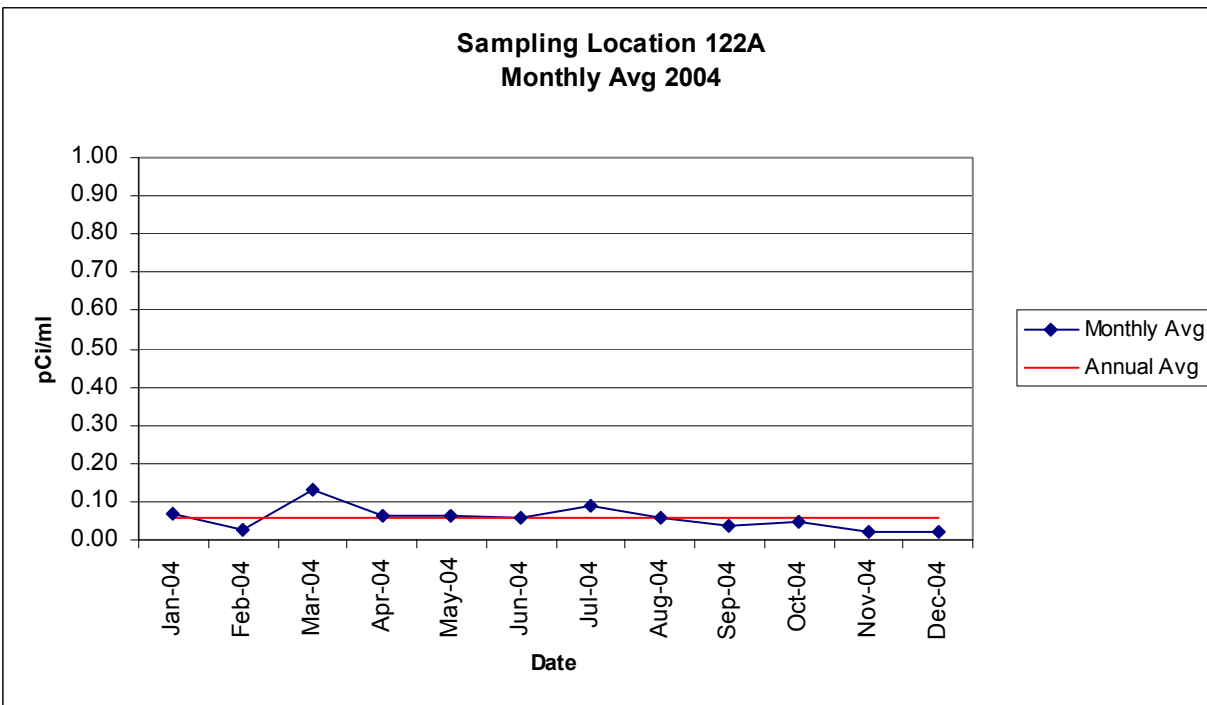
ANNUAL REPORT
Maxey Flats Disposal Site
2004

APPENDIX B1

**PERENNIAL STREAMS SURFACE WATER
DATA CHARTS
2004**

ANNUAL REPORT
 Maxey Flats Disposal Site
 2004

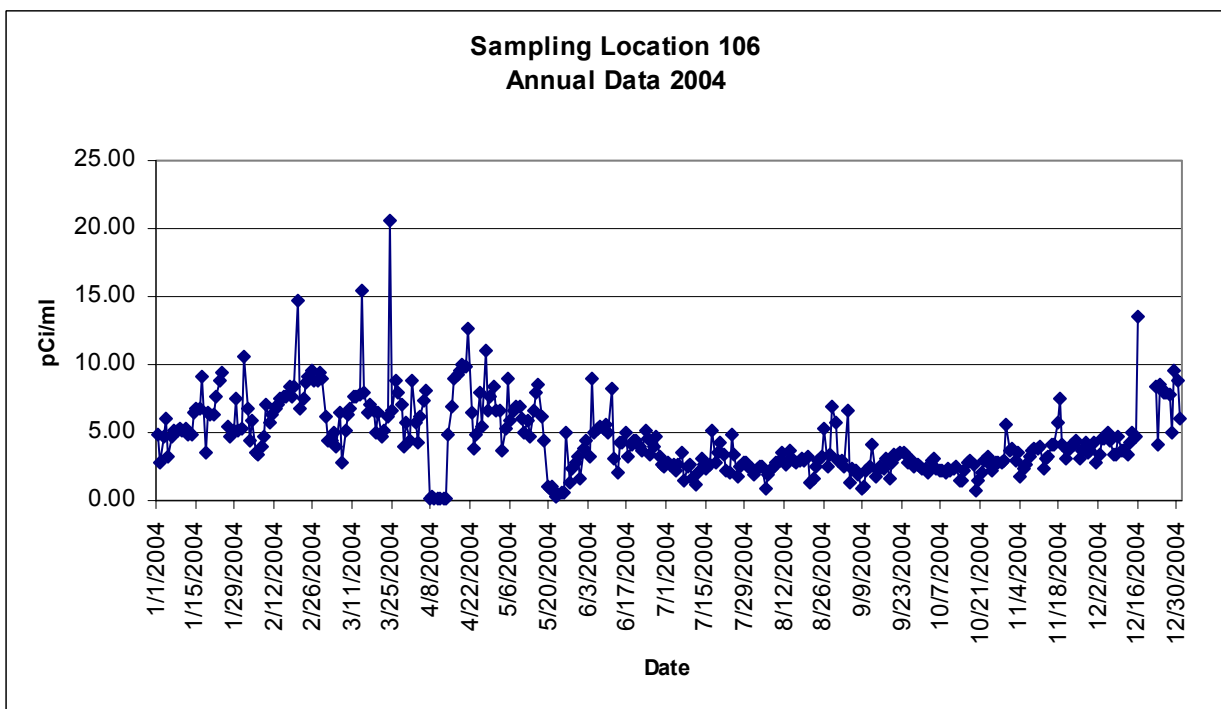
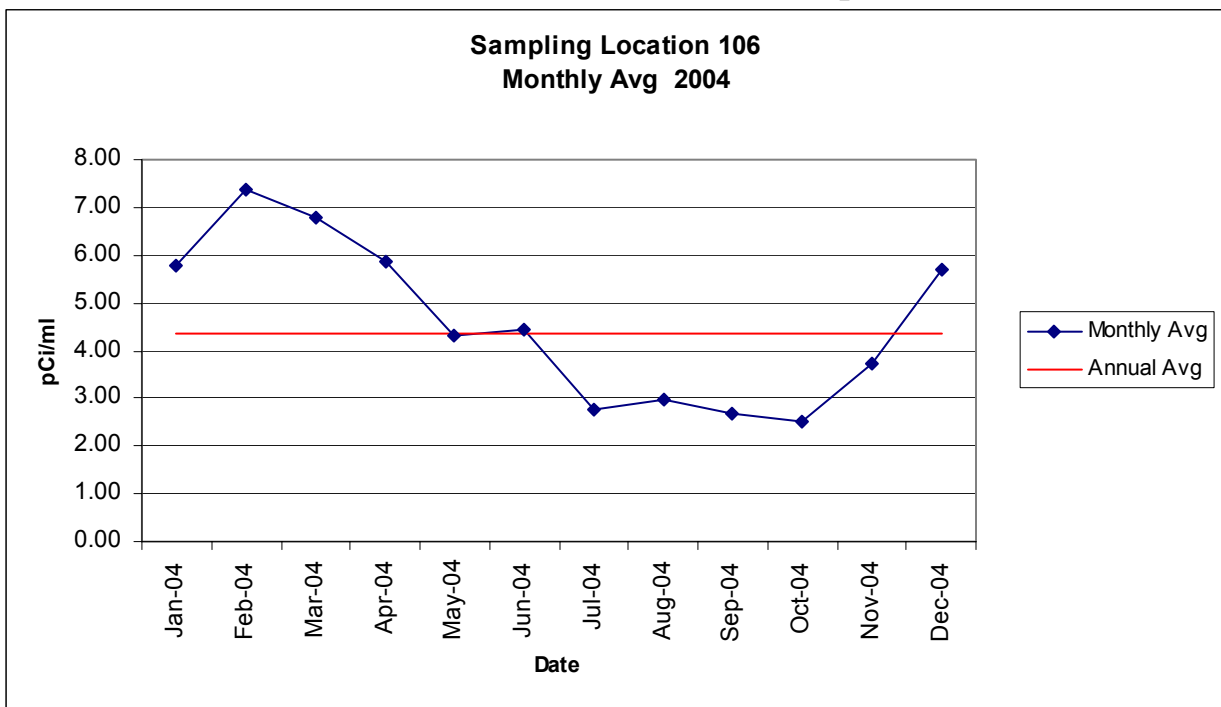
Perennial Streams Surface Water PSVP Compliance Point 122A
Background Location



Note: All samples less than 20 pCi/ml
 MDA = 0.44 pCi/ml
 Annual average = 0.06 pCi/ml
 Min 0.00 pCi/ml Max = 0.43 pCi/ml

ANNUAL REPORT
 Maxey Flats Disposal Site
 2004

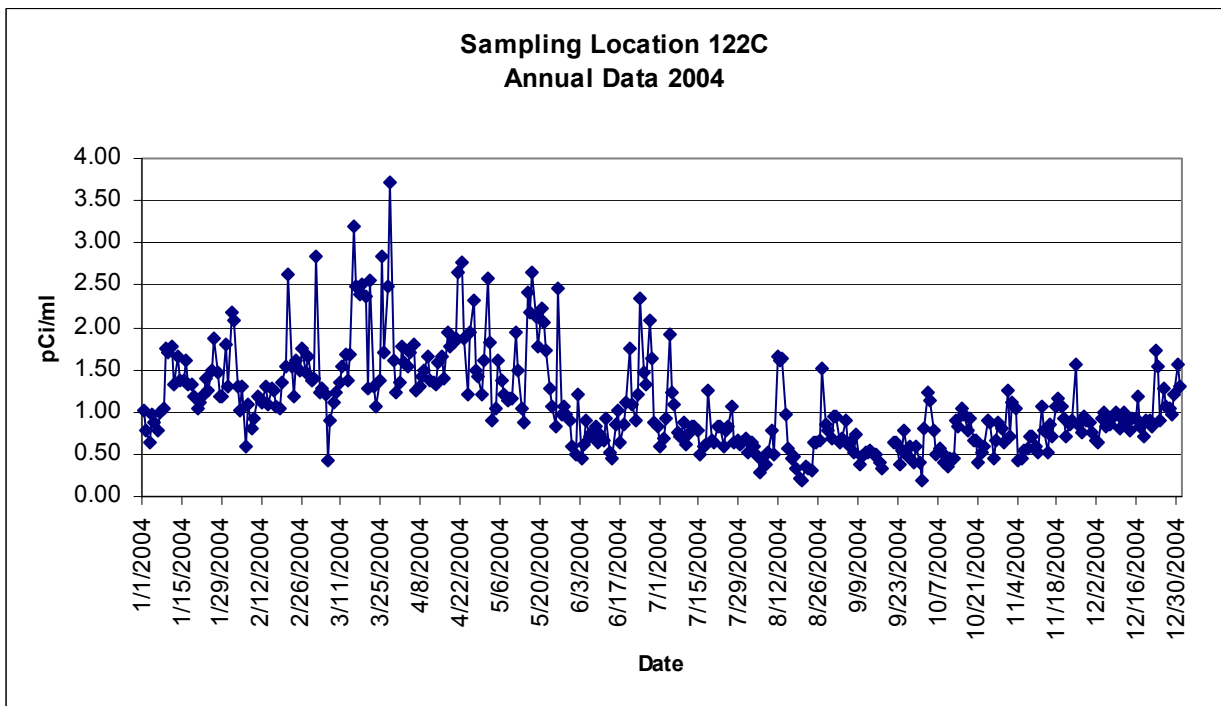
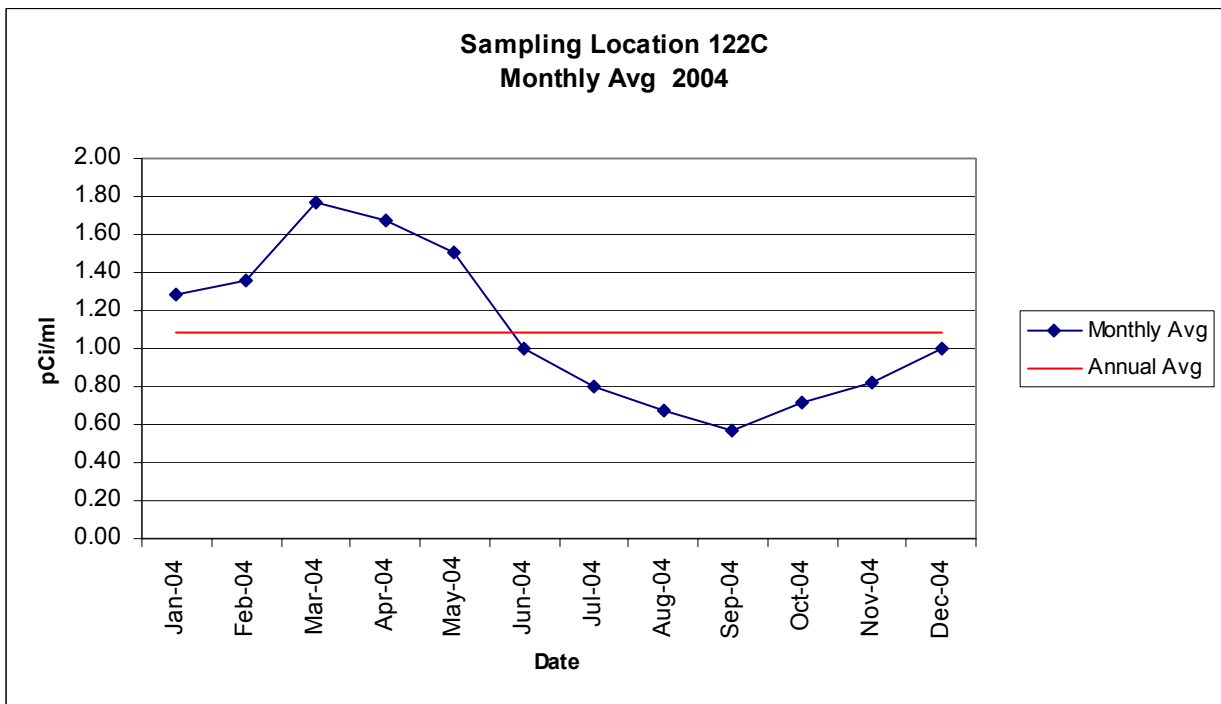
Perennial Streams Surface Water PSVP Compliance Point 106



Note: One sample exceeded the 20 pCi/ml limit
 MDA = 0.44 pCi/ml
 Annual average = 4.55 pCi/ml
 Min - 0.18 pCi/ml Max = 20.65 pCi/ml

ANNUAL REPORT
 Maxey Flats Disposal Site
 2004

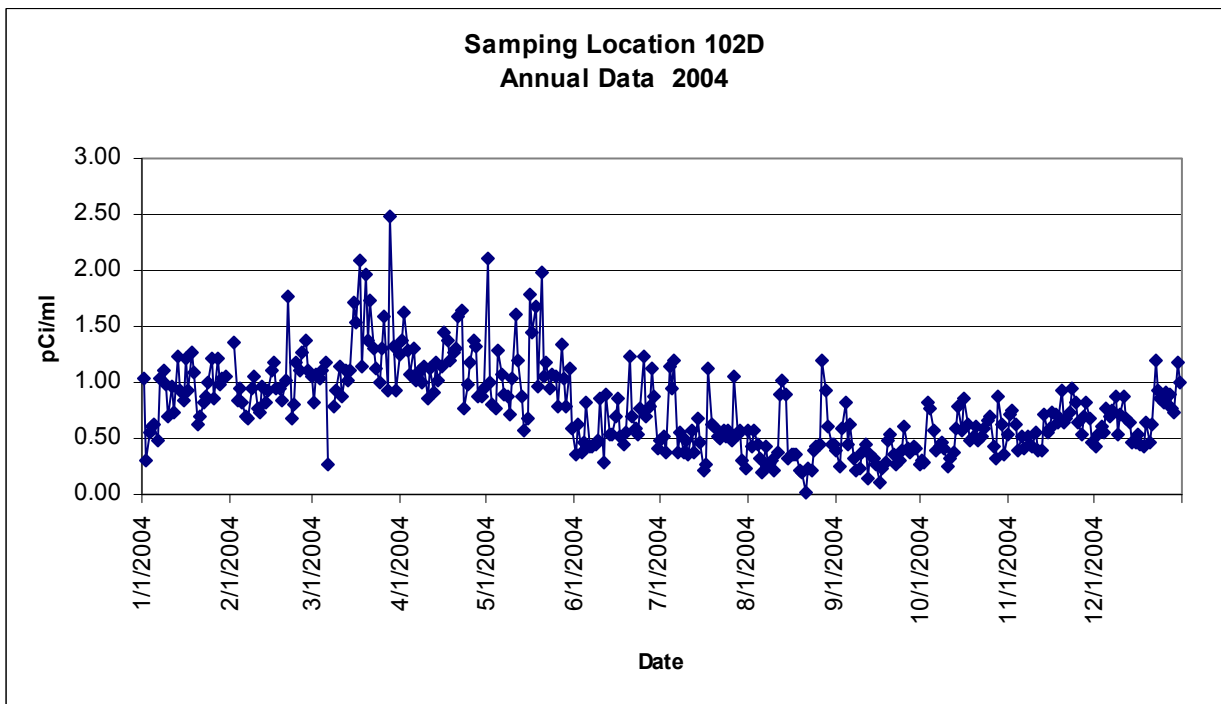
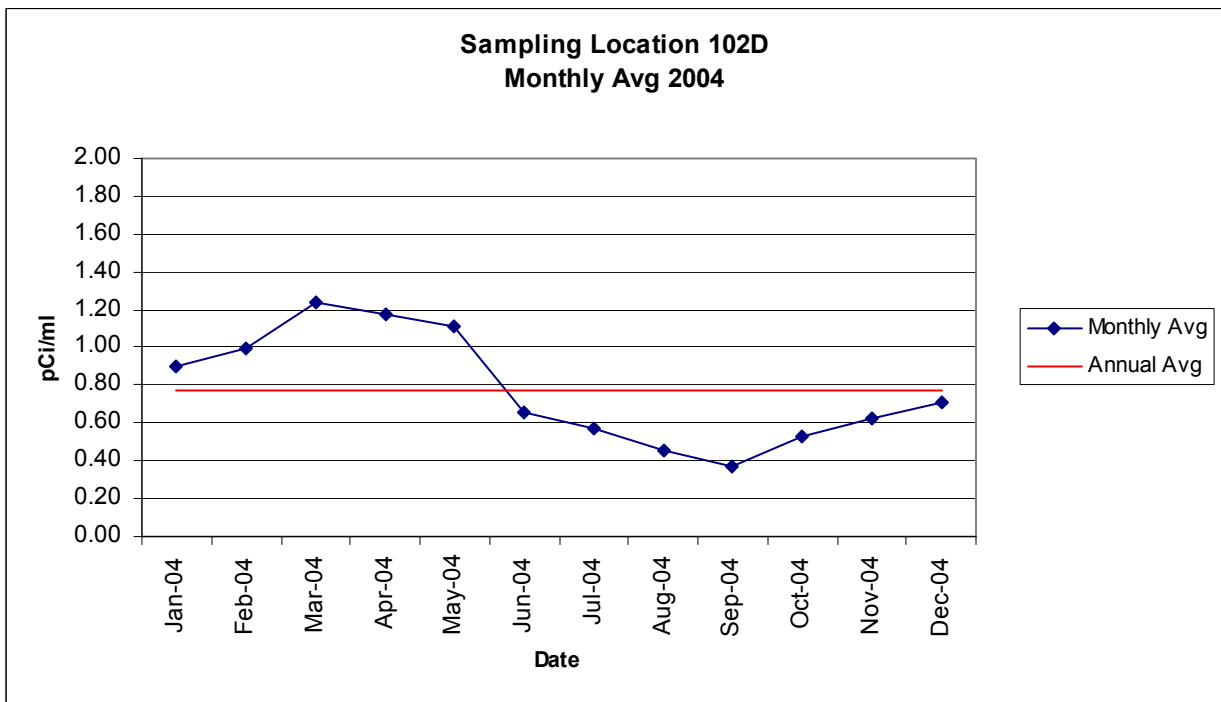
Perennial Streams Surface Water PSVP Compliance Point 122C



Note: All samples less than 20 pCi/ml
 MDA = 0.44 pCi/ml
 Annual average = 1.10 pCi/ml
 Min = 0.20pCi/ml Max = 3.72/Ci/ml

ANNUAL REPORT
 Maxey Flats Disposal Site
 2004

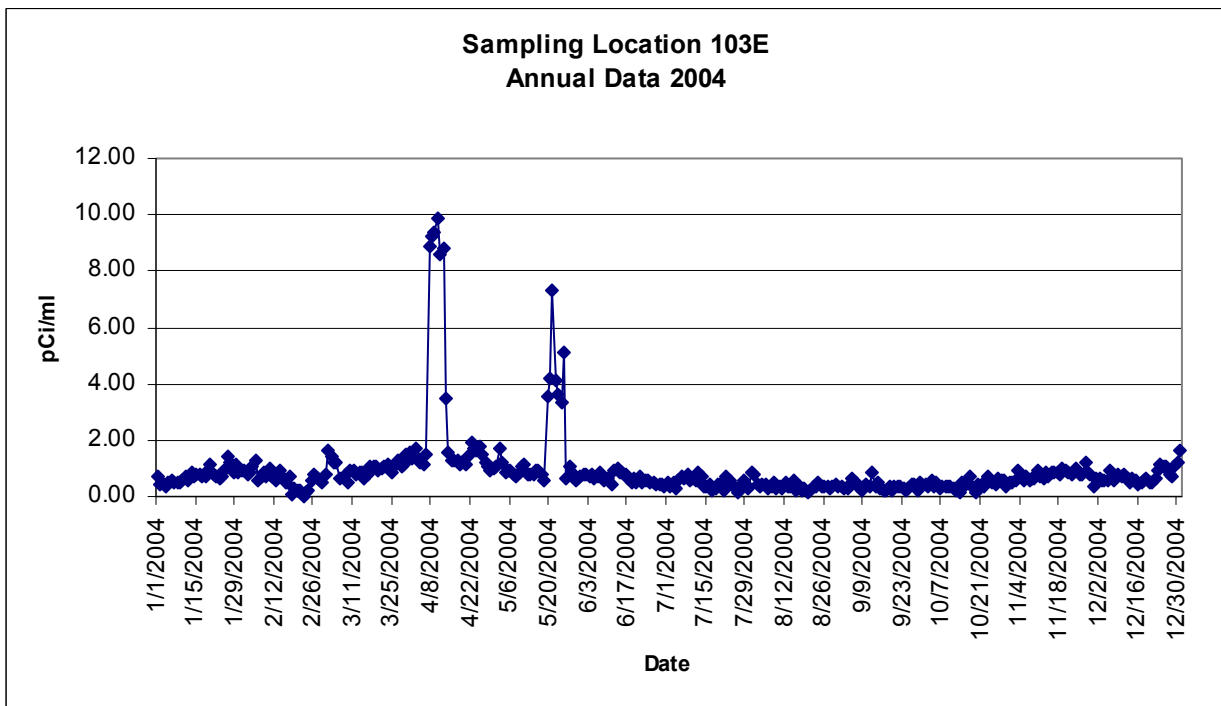
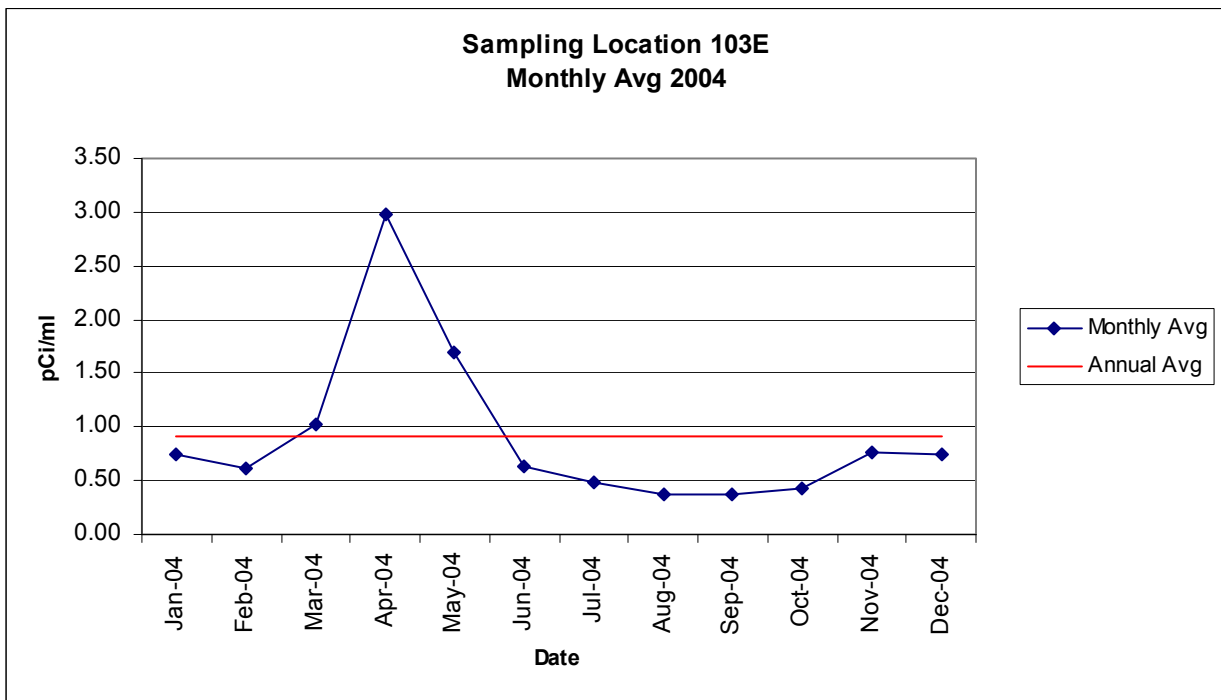
Drinking Water PSVP Compliance Point 102D



Note: All less than 20 pCi/ml
 MDA = 0.44 pCi/ml
 Annual average = 0.78 pCi/ml
 Min = 0.01 pCi/ml Max = 2.49 pCi/ml

ANNUAL REPORT
 Maxey Flats Disposal Site
 2004

Perennial Streams Surface Water PSVP Compliance Point 103E



Note: All samples less than 20 pCi/ml
 MDA = 0.44 pCi/ml
 Annual average = 0.90 pCi/ml
 Min = 0.00 pCi/ml Max = 9.90 pCi/ml

ANNUAL REPORT
Maxey Flats Disposal Site
2004

APPENDIX B2

**PERENNIAL STREAMS SURFACE WATER
DATA SUMMARY
2004**

ANNUAL REPORT
 Maxey Flats Disposal Site
 2004

Location 122A

| Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | |
|----------|----------------------|-----|------|----------|------|----------------------|------|-----|----------|----------|----------------------|------|------|----------|------|
| 01/01/04 | 0.00 | +/- | 0.13 | 0.42 | | 02/01/04 | 0.08 | +/- | 0.14 | 0.45 | 03/01/04 | 0.00 | +/- | 0.13 | 0.44 |
| 01/02/04 | 0.00 | +/- | 0.13 | 0.42 | | 02/02/04 | 0.02 | +/- | 0.14 | 0.45 | 03/02/04 | 0.11 | +/- | 0.13 | 0.44 |
| 01/03/04 | 0.21 | +/- | 0.13 | 0.42 | | 02/03/04 | 0.00 | +/- | 0.14 | 0.48 | 03/03/04 | 0.18 | +/- | 0.13 | 0.44 |
| 01/04/04 | 0.00 | +/- | 0.12 | 0.42 | | 02/04/04 | 0.00 | +/- | 0.14 | 0.48 | 03/04/04 | 0.04 | +/- | 0.13 | 0.44 |
| 01/05/04 | 0.00 | +/- | 0.12 | 0.42 | | 02/05/04 | 0.07 | +/- | 0.15 | 0.48 | 03/05/04 | 0.18 | +/- | 0.13 | 0.44 |
| 01/06/04 | 0.00 | +/- | 0.14 | 0.42 | | 02/06/04 | 0.00 | +/- | 0.14 | 0.48 | 03/06/04 | 0.00 | +/- | 0.13 | 0.44 |
| 01/07/04 | 0.00 | +/- | 0.14 | 0.42 | | 02/07/04 | 0.00 | +/- | 0.14 | 0.48 | 03/07/04 | 0.31 | +/- | 0.14 | 0.44 |
| 01/08/04 | 0.00 | +/- | 0.14 | 0.42 | | 02/08/04 | 0.24 | +/- | 0.15 | 0.48 | 03/08/04 | 0.21 | +/- | 0.14 | 0.44 |
| 01/09/04 | 0.00 | +/- | 0.14 | 0.42 | | 02/09/04 | 0.00 | +/- | 0.14 | 0.48 | 03/09/04 | 0.06 | +/- | 0.13 | 0.44 |
| 01/10/04 | 0.00 | +/- | 0.14 | 0.42 | | 02/10/04 | 0.00 | +/- | 0.14 | 0.45 | 03/10/04 | 0.24 | +/- | 0.14 | 0.44 |
| 01/11/04 | 0.00 | +/- | 0.14 | 0.42 | | 02/11/04 | 0.00 | +/- | 0.14 | 0.45 | 03/11/04 | 0.21 | +/- | 0.14 | 0.44 |
| 01/12/04 | 0.01 | +/- | 0.14 | 0.42 | | 02/12/04 | 0.00 | +/- | 0.14 | 0.45 | 03/12/04 | 0.36 | +/- | 0.14 | 0.44 |
| 01/13/04 | 0.06 | +/- | 0.14 | 0.42 | | 02/13/04 | 0.00 | +/- | 0.13 | 0.45 | 03/13/04 | 0.04 | +/- | 0.13 | 0.44 |
| 01/14/04 | 0.00 | +/- | 0.14 | 0.42 | | 02/14/04 | 0.00 | +/- | 0.13 | 0.45 | 03/14/04 | 0.10 | +/- | 0.13 | 0.44 |
| 01/15/04 | 0.00 | +/- | 0.14 | 0.42 | | 02/15/04 | 0.00 | +/- | 0.13 | 0.45 | 03/15/04 | 0.19 | +/- | 0.13 | 0.44 |
| 01/16/04 | 0.26 | +/- | 0.14 | 0.42 | | 02/16/04 | 0.00 | +/- | 0.13 | 0.45 | 03/16/04 | 0.11 | +/- | 0.14 | 0.45 |
| 01/17/04 | 0.23 | +/- | 0.14 | 0.42 | | 02/17/04 | 0.00 | +/- | 0.14 | 0.45 | 03/17/04 | 0.08 | +/- | 0.14 | 0.45 |
| 01/18/04 | 0.40 | +/- | 0.15 | 0.42 | | 02/18/04 | 0.00 | +/- | 0.13 | 0.45 | 03/18/04 | 0.27 | +/- | 0.14 | 0.45 |
| 01/19/04 | 0.24 | +/- | 0.15 | 0.42 | | 02/19/04 | 0.00 | +/- | 0.13 | 0.45 | 03/19/04 | 0.00 | +/- | 0.13 | 0.45 |
| 01/20/04 | 0.09 | +/- | 0.14 | 0.46 | | 02/20/04 | 0.00 | +/- | 0.14 | 0.45 | 03/20/04 | 0.01 | +/- | 0.14 | 0.45 |
| 01/21/04 | 0.00 | +/- | 0.14 | 0.46 | | 02/21/04 | 0.00 | +/- | 0.13 | 0.45 | 03/21/04 | 0.19 | +/- | 0.14 | 0.45 |
| 01/22/04 | 0.05 | +/- | 0.14 | 0.46 | | 02/22/04 | 0.00 | +/- | 0.14 | 0.45 | 03/22/04 | 0.14 | +/- | 0.14 | 0.45 |
| 01/23/04 | 0.00 | +/- | 0.14 | 0.46 | | 02/23/04 | 0.00 | +/- | 0.14 | 0.45 | 03/23/04 | 0.13 | +/- | 0.14 | 0.45 |
| 01/24/04 | 0.30 | +/- | 0.14 | 0.46 | | 02/24/04 | 0.13 | +/- | 0.13 | 0.44 | 03/24/04 | 0.02 | +/- | 0.14 | 0.45 |
| 01/25/04 | 0.00 | +/- | 0.14 | 0.46 | | 02/25/04 | 0.02 | +/- | 0.13 | 0.44 | 03/25/04 | 0.04 | +/- | 0.14 | 0.45 |
| 01/26/04 | 0.06 | +/- | 0.14 | 0.46 | | 02/26/04 | 0.03 | +/- | 0.13 | 0.44 | 03/26/04 | 0.11 | +/- | 0.14 | 0.45 |
| 01/27/04 | 0.00 | +/- | 0.14 | 0.45 | | 02/27/04 | 0.11 | +/- | 0.13 | 0.44 | 03/27/04 | 0.02 | +/- | 0.14 | 0.45 |
| 01/28/04 | 0.00 | +/- | 0.14 | 0.45 | | 02/28/04 | 0.00 | +/- | 0.13 | 0.44 | 03/28/04 | 0.16 | +/- | 0.14 | 0.45 |
| 01/29/04 | 0.09 | +/- | 0.14 | 0.45 | | 02/29/04 | 0.07 | +/- | 0.13 | 0.44 | 03/29/04 | 0.04 | +/- | 0.14 | 0.45 |
| 01/30/04 | 0.07 | +/- | 0.14 | 0.45 | | | | | | 03/30/04 | 0.29 | +/- | 0.14 | 0.45 | |
| 01/31/04 | 0.00 | +/- | 0.14 | 0.45 | | | | | | 03/31/04 | 0.23 | +/- | 0.14 | 0.45 | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Location 122A

| Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | |
|----------|----------------------|-----|------|----------|------|----------------------|------|-----|----------|------|----------------------|------|-----|----------|------|
| 04/01/04 | 0.22 | +/- | 0.14 | 0.45 | | 05/01/04 | 0.00 | +/- | 0.14 | 0.45 | 06/01/04 | 0.00 | +/- | 0.14 | 0.46 |
| 04/02/04 | 0.17 | +/- | 0.14 | 0.45 | | 05/02/04 | 0.00 | +/- | 0.13 | 0.45 | 06/02/04 | 0.00 | +/- | 0.14 | 0.46 |
| 04/03/04 | 0.33 | +/- | 0.14 | 0.45 | | 05/03/04 | 0.00 | +/- | 0.14 | 0.45 | 06/03/04 | 0.00 | +/- | 0.14 | 0.46 |
| 04/04/04 | 0.00 | +/- | 0.14 | 0.45 | | 05/04/04 | 0.00 | +/- | 0.14 | 0.45 | 06/04/04 | 0.00 | +/- | 0.14 | 0.46 |
| 04/05/04 | 0.19 | +/- | 0.14 | 0.45 | | 05/05/04 | 0.05 | +/- | 0.14 | 0.45 | 06/05/04 | 0.00 | +/- | 0.14 | 0.46 |
| 04/06/04 | 0.00 | +/- | 0.14 | 0.46 | | 05/06/04 | 0.00 | +/- | 0.14 | 0.45 | 06/06/04 | 0.00 | +/- | 0.14 | 0.46 |
| 04/07/04 | 0.00 | +/- | 0.14 | 0.46 | | 05/07/04 | 0.05 | +/- | 0.14 | 0.45 | 06/07/04 | 0.00 | +/- | 0.14 | 0.46 |
| 04/08/04 | 0.00 | +/- | 0.14 | 0.46 | | 05/08/04 | 0.16 | +/- | 0.14 | 0.45 | 06/08/04 | 0.00 | +/- | 0.13 | 0.44 |
| 04/09/04 | 0.00 | +/- | 0.14 | 0.46 | | 05/09/04 | 0.05 | +/- | 0.14 | 0.45 | 06/09/04 | 0.09 | +/- | 0.14 | 0.44 |
| 04/11/04 | 0.00 | +/- | 0.14 | 0.46 | | 05/10/04 | 0.00 | +/- | 0.14 | 0.45 | 06/10/04 | 0.11 | +/- | 0.14 | 0.44 |
| 04/12/04 | 0.00 | +/- | 0.14 | 0.46 | | 05/11/04 | 0.00 | +/- | 0.14 | 0.45 | 06/11/04 | 0.12 | +/- | 0.14 | 0.44 |
| 04/13/04 | 0.09 | +/- | 0.13 | 0.44 | | 05/12/04 | 0.00 | +/- | 0.14 | 0.45 | 06/12/04 | 0.00 | +/- | 0.13 | 0.44 |
| 04/14/04 | 0.22 | +/- | 0.14 | 0.44 | | 05/13/04 | 0.11 | +/- | 0.14 | 0.45 | 06/13/04 | 0.00 | +/- | 0.13 | 0.44 |
| 04/10/04 | 0.00 | +/- | 0.14 | 0.46 | | 05/14/04 | 0.00 | +/- | 0.13 | 0.45 | 06/14/04 | 0.08 | +/- | 0.14 | 0.44 |
| 04/15/04 | 0.06 | +/- | 0.13 | 0.44 | | 05/15/04 | 0.02 | +/- | 0.14 | 0.45 | 06/15/04 | 0.12 | +/- | 0.13 | 0.44 |
| 04/16/04 | 0.13 | +/- | 0.13 | 0.44 | | 05/16/04 | 0.00 | +/- | 0.13 | 0.45 | 06/16/04 | 0.00 | +/- | 0.13 | 0.44 |
| 04/17/04 | 0.15 | +/- | 0.14 | 0.44 | | 05/17/04 | 0.00 | +/- | 0.13 | 0.45 | 06/17/04 | 0.16 | +/- | 0.14 | 0.44 |
| 04/18/04 | 0.10 | +/- | 0.13 | 0.44 | | 05/18/04 | 0.07 | +/- | 0.14 | 0.46 | 06/18/04 | 0.11 | +/- | 0.13 | 0.44 |
| 04/19/04 | 0.19 | +/- | 0.14 | 0.44 | | 05/19/04 | 0.10 | +/- | 0.14 | 0.46 | 06/19/04 | 0.01 | +/- | 0.13 | 0.44 |
| 04/20/04 | 0.00 | +/- | 0.14 | 0.45 | | 05/20/04 | 0.17 | +/- | 0.14 | 0.46 | 06/20/04 | 0.24 | +/- | 0.14 | 0.44 |
| 04/21/04 | 0.00 | +/- | 0.13 | 0.45 | | 05/21/04 | 0.15 | +/- | 0.14 | 0.46 | 06/21/04 | 0.14 | +/- | 0.14 | 0.44 |
| 04/22/04 | 0.00 | +/- | 0.14 | 0.45 | | 05/22/04 | 0.22 | +/- | 0.14 | 0.46 | 06/22/04 | 0.12 | +/- | 0.13 | 0.43 |
| 04/23/04 | 0.00 | +/- | 0.13 | 0.45 | | 05/23/04 | 0.14 | +/- | 0.14 | 0.46 | 06/23/04 | 0.00 | +/- | 0.13 | 0.43 |
| 04/24/04 | 0.00 | +/- | 0.14 | 0.45 | | 05/24/04 | 0.14 | +/- | 0.14 | 0.46 | 06/24/04 | 0.15 | +/- | 0.13 | 0.43 |
| 04/25/04 | 0.01 | +/- | 0.14 | 0.45 | | 05/25/04 | 0.08 | +/- | 0.14 | 0.44 | 06/25/04 | 0.15 | +/- | 0.13 | 0.43 |
| 04/26/04 | 0.00 | +/- | 0.13 | 0.45 | | 05/26/04 | 0.08 | +/- | 0.14 | 0.44 | 06/26/04 | 0.00 | +/- | 0.13 | 0.43 |
| 04/27/04 | 0.00 | +/- | 0.14 | 0.45 | | 05/27/04 | 0.07 | +/- | 0.14 | 0.44 | 06/27/04 | 0.09 | +/- | 0.13 | 0.43 |
| 04/28/04 | 0.00 | +/- | 0.14 | 0.45 | | 05/28/04 | 0.00 | +/- | 0.13 | 0.44 | 06/28/04 | 0.03 | +/- | 0.13 | 0.43 |
| 04/29/04 | 0.00 | +/- | 0.14 | 0.45 | | 05/29/04 | 0.08 | +/- | 0.14 | 0.44 | 06/29/04 | 0.00 | +/- | 0.13 | 0.44 |
| 04/30/04 | 0.00 | +/- | 0.14 | 0.45 | | 05/30/04 | 0.19 | +/- | 0.14 | 0.44 | 06/30/04 | 0.00 | +/- | 0.13 | 0.44 |
| | | | | | | 05/31/04 | 0.00 | +/- | 0.13 | 0.44 | | | | | |

ANNUAL REPORT
 Maxey Flats Disposal Site
 2004

Location 122A

| Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | |
|----------|----------------------|-----|------|----------|------|----------------------|------|-----|----------|------|----------------------|------|-----|----------|------|
| 07/01/04 | 0.00 | +/- | 0.13 | 0.44 | | 08/01/04 | 0.00 | +/- | 0.13 | 0.44 | 09/01/04 | 0.02 | +/- | 0.13 | 0.43 |
| 07/02/04 | 0.00 | +/- | 0.13 | 0.44 | | 08/02/04 | 0.10 | +/- | 0.13 | 0.44 | 09/02/04 | 0.00 | +/- | 0.13 | 0.43 |
| 07/03/04 | 0.00 | +/- | 0.13 | 0.44 | | 08/03/04 | 0.00 | +/- | 0.13 | 0.43 | 09/03/04 | 0.04 | +/- | 0.13 | 0.43 |
| 07/04/04 | 0.00 | +/- | 0.13 | 0.44 | | 08/04/04 | 0.10 | +/- | 0.13 | 0.43 | 09/04/04 | 0.00 | +/- | 0.13 | 0.43 |
| 07/05/04 | 0.00 | +/- | 0.13 | 0.44 | | 08/05/04 | 0.00 | +/- | 0.13 | 0.43 | 09/05/04 | 0.00 | +/- | 0.13 | 0.43 |
| 07/06/04 | 0.27 | +/- | 0.14 | 0.46 | | 08/06/04 | 0.09 | +/- | 0.13 | 0.43 | 09/06/04 | 0.02 | +/- | 0.13 | 0.43 |
| 07/07/04 | 0.19 | +/- | 0.14 | 0.46 | | 08/07/04 | 0.00 | +/- | 0.13 | 0.43 | 09/07/04 | 0.00 | +/- | 0.13 | 0.43 |
| 07/08/04 | 0.26 | +/- | 0.14 | 0.46 | | 08/08/04 | 0.00 | +/- | 0.13 | 0.43 | 09/08/04 | 0.00 | +/- | 0.13 | 0.43 |
| 07/09/04 | 0.29 | +/- | 0.14 | 0.46 | | 08/09/04 | 0.00 | +/- | 0.13 | 0.43 | 09/09/04 | 0.06 | +/- | 0.13 | 0.43 |
| 07/10/04 | 0.43 | +/- | 0.14 | 0.46 | | 08/10/04 | 0.18 | +/- | 0.13 | 0.43 | 09/10/04 | 0.00 | +/- | 0.13 | 0.43 |
| 07/11/04 | 0.08 | +/- | 0.14 | 0.46 | | 08/11/04 | 0.03 | +/- | 0.13 | 0.43 | 09/11/04 | 0.00 | +/- | 0.13 | 0.43 |
| 07/12/04 | 0.35 | +/- | 0.14 | 0.46 | | 08/12/04 | 0.00 | +/- | 0.13 | 0.43 | 09/12/04 | 0.27 | +/- | 0.14 | 0.43 |
| 07/13/04 | 0.00 | +/- | 0.13 | 0.45 | | 08/13/04 | 0.00 | +/- | 0.13 | 0.43 | 09/13/04 | 0.01 | +/- | 0.13 | 0.43 |
| 07/14/04 | 0.09 | +/- | 0.14 | 0.45 | | 08/14/04 | 0.15 | +/- | 0.13 | 0.43 | 09/14/04 | 0.01 | +/- | 0.13 | 0.43 |
| 07/15/04 | 0.21 | +/- | 0.14 | 0.45 | | 08/15/04 | 0.30 | +/- | 0.14 | 0.43 | 09/15/04 | 0.03 | +/- | 0.13 | 0.43 |
| 07/16/04 | 0.08 | +/- | 0.14 | 0.45 | | 08/16/04 | 0.02 | +/- | 0.13 | 0.43 | 09/16/04 | 0.05 | +/- | 0.13 | 0.43 |
| 07/17/04 | 0.00 | +/- | 0.13 | 0.45 | | 08/17/04 | 0.00 | +/- | 0.13 | 0.44 | 09/17/04 | 0.00 | +/- | 0.13 | 0.43 |
| 07/18/04 | 0.09 | +/- | 0.14 | 0.45 | | 08/18/04 | 0.00 | +/- | 0.13 | 0.44 | 09/18/04 | 0.00 | +/- | 0.13 | 0.43 |
| 07/19/04 | 0.08 | +/- | 0.14 | 0.45 | | 08/19/04 | 0.00 | +/- | 0.13 | 0.44 | 09/19/04 | 0.03 | +/- | 0.13 | 0.43 |
| 07/20/04 | 0.00 | +/- | 0.13 | 0.43 | | 08/20/04 | 0.00 | +/- | 0.13 | 0.44 | 09/20/04 | 0.10 | +/- | 0.13 | 0.43 |
| 07/21/04 | 0.11 | +/- | 0.13 | 0.43 | | 08/21/04 | 0.00 | +/- | 0.13 | 0.44 | 09/21/04 | 0.01 | +/- | 0.13 | 0.44 |
| 07/22/04 | 0.00 | +/- | 0.13 | 0.43 | | 08/22/04 | 0.00 | +/- | 0.13 | 0.44 | 09/22/04 | 0.00 | +/- | 0.13 | 0.44 |
| 07/23/04 | 0.00 | +/- | 0.13 | 0.43 | | 08/23/04 | 0.00 | +/- | 0.13 | 0.44 | 09/23/04 | 0.05 | +/- | 0.13 | 0.44 |
| 07/24/04 | 0.09 | +/- | 0.13 | 0.43 | | 08/24/04 | 0.01 | +/- | 0.13 | 0.43 | 09/24/04 | 0.03 | +/- | 0.13 | 0.44 |
| 07/25/04 | 0.08 | +/- | 0.13 | 0.43 | | 08/25/04 | 0.20 | +/- | 0.13 | 0.43 | 09/25/04 | 0.31 | +/- | 0.14 | 0.44 |
| 07/26/04 | 0.01 | +/- | 0.13 | 0.43 | | 08/26/04 | 0.05 | +/- | 0.13 | 0.43 | 09/26/04 | 0.00 | +/- | 0.13 | 0.44 |
| 07/27/04 | 0.00 | +/- | 0.13 | 0.44 | | 08/27/04 | 0.17 | +/- | 0.13 | 0.43 | 09/27/04 | 0.08 | +/- | 0.13 | 0.44 |
| 07/28/04 | 0.00 | +/- | 0.13 | 0.44 | | 08/28/04 | 0.17 | +/- | 0.13 | 0.43 | 09/28/04 | 0.00 | +/- | 0.13 | 0.44 |
| 07/29/04 | 0.00 | +/- | 0.13 | 0.44 | | 08/29/04 | 0.15 | +/- | 0.13 | 0.43 | 09/29/04 | 0.00 | +/- | 0.13 | 0.44 |
| 07/30/04 | 0.00 | +/- | 0.13 | 0.44 | | 08/30/04 | 0.08 | +/- | 0.13 | 0.43 | 09/30/04 | 0.00 | +/- | 0.13 | 0.44 |
| 07/31/04 | 0.00 | +/- | 0.13 | 0.44 | | 08/31/04 | 0.01 | +/- | 0.13 | 0.43 | | | | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Location 122A

| Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments |
|----------|----------------------|-----|------|----------|----------|----------------------|-----|------|----------|----------|----------------------|-----|------|----------|
| 10/01/04 | 0.00 | +/- | 0.13 | 0.44 | 11/01/04 | 0.00 | +/- | 0.13 | 0.44 | 12/01/04 | 0.00 | +/- | 0.13 | 0.44 |
| 10/02/04 | 0.10 | +/- | 0.14 | 0.44 | 11/02/04 | 0.18 | +/- | 0.14 | 0.44 | 12/02/04 | 0.00 | +/- | 0.13 | 0.44 |
| 10/03/04 | 0.00 | +/- | 0.13 | 0.44 | 11/03/04 | 0.00 | +/- | 0.13 | 0.44 | 12/03/04 | 0.00 | +/- | 0.13 | 0.44 |
| 10/04/04 | 0.00 | +/- | 0.13 | 0.44 | 11/04/04 | 0.00 | +/- | 0.13 | 0.44 | 12/04/04 | 0.00 | +/- | 0.13 | 0.44 |
| 10/05/04 | 0.00 | +/- | 0.14 | 0.45 | 11/05/04 | 0.00 | +/- | 0.13 | 0.44 | 12/05/04 | 0.00 | +/- | 0.13 | 0.44 |
| 10/06/04 | 0.11 | +/- | 0.14 | 0.45 | 11/06/04 | 0.00 | +/- | 0.13 | 0.44 | 12/06/04 | 0.05 | +/- | 0.13 | 0.44 |
| 10/07/04 | 0.00 | +/- | 0.13 | 0.45 | 11/07/04 | 0.01 | +/- | 0.13 | 0.44 | 12/07/04 | 0.04 | +/- | 0.13 | 0.44 |
| 10/08/04 | 0.00 | +/- | 0.14 | 0.45 | 11/08/04 | 0.00 | +/- | 0.13 | 0.44 | 12/08/04 | 0.00 | +/- | 0.13 | 0.44 |
| 10/09/04 | 0.11 | +/- | 0.14 | 0.45 | 11/09/04 | 0.00 | +/- | 0.13 | 0.44 | 12/09/04 | 0.00 | +/- | 0.13 | 0.44 |
| 10/10/04 | 0.07 | +/- | 0.14 | 0.45 | 11/10/04 | 0.00 | +/- | 0.13 | 0.44 | 12/10/04 | 0.05 | +/- | 0.13 | 0.44 |
| 10/11/04 | 0.00 | +/- | 0.13 | 0.45 | 11/11/04 | 0.00 | +/- | 0.13 | 0.44 | 12/11/04 | 0.09 | +/- | 0.13 | 0.44 |
| 10/12/04 | 0.12 | +/- | 0.13 | 0.44 | 11/12/04 | 0.00 | +/- | 0.13 | 0.44 | 12/12/04 | 0.00 | +/- | 0.13 | 0.44 |
| 10/13/04 | 0.03 | +/- | 0.13 | 0.44 | 11/13/04 | 0.00 | +/- | 0.13 | 0.44 | 12/13/04 | 0.09 | +/- | 0.13 | 0.44 |
| 10/14/04 | 0.05 | +/- | 0.13 | 0.44 | 11/14/04 | 0.00 | +/- | 0.13 | 0.44 | 12/14/04 | 0.00 | +/- | 0.14 | 0.45 |
| 10/15/04 | 0.07 | +/- | 0.13 | 0.44 | 11/15/04 | 0.00 | +/- | 0.13 | 0.44 | 12/15/04 | 0.00 | +/- | 0.13 | 0.45 |
| 10/16/04 | 0.00 | +/- | 0.13 | 0.44 | 11/16/04 | 0.00 | +/- | 0.13 | 0.44 | 12/16/04 | 0.00 | +/- | 0.14 | 0.45 |
| 10/17/04 | 0.04 | +/- | 0.13 | 0.44 | 11/17/04 | 0.04 | +/- | 0.13 | 0.44 | 12/17/04 | 0.00 | +/- | 0.14 | 0.45 |
| 10/18/04 | 0.13 | +/- | 0.13 | 0.44 | 11/18/04 | 0.00 | +/- | 0.13 | 0.44 | 12/18/04 | 0.10 | +/- | 0.14 | 0.45 |
| 10/19/04 | 0.10 | +/- | 0.13 | 0.43 | 11/19/04 | 0.13 | +/- | 0.14 | 0.44 | 12/19/04 | 0.00 | +/- | 0.14 | 0.45 |
| 10/20/04 | 0.14 | +/- | 0.13 | 0.43 | 11/20/04 | 0.00 | +/- | 0.13 | 0.44 | 12/20/04 | 0.00 | +/- | 0.14 | 0.45 |
| 10/21/04 | 0.10 | +/- | 0.13 | 0.43 | 11/21/04 | 0.00 | +/- | 0.13 | 0.44 | 12/21/04 | 0.00 | +/- | 0.13 | 0.44 |
| 10/22/04 | 0.09 | +/- | 0.13 | 0.43 | 11/22/04 | 0.11 | +/- | 0.13 | 0.44 | 12/22/04 | 0.05 | +/- | 0.13 | 0.44 |
| 10/23/04 | 0.01 | +/- | 0.13 | 0.43 | 11/23/04 | 0.05 | +/- | 0.13 | 0.44 | 12/23/04 | 0.00 | +/- | 0.13 | 0.44 |
| 10/24/04 | 0.07 | +/- | 0.13 | 0.43 | 11/24/04 | 0.05 | +/- | 0.13 | 0.44 | 12/24/04 | 0.10 | +/- | 0.13 | 0.44 |
| 10/25/04 | 0.09 | +/- | 0.13 | 0.43 | 11/25/04 | 0.00 | +/- | 0.13 | 0.44 | 12/25/04 | 0.00 | +/- | 0.13 | 0.44 |
| 10/26/04 | 0.02 | +/- | 0.13 | 0.44 | 11/26/04 | 0.01 | +/- | 0.13 | 0.44 | 12/26/04 | 0.00 | +/- | 0.13 | 0.44 |
| 10/27/04 | 0.00 | +/- | 0.13 | 0.44 | 11/27/04 | 0.00 | +/- | 0.13 | 0.44 | 12/27/04 | 0.00 | +/- | 0.13 | 0.44 |
| 10/28/04 | 0.00 | +/- | 0.13 | 0.44 | 11/28/04 | 0.00 | +/- | 0.13 | 0.44 | 12/28/04 | 0.00 | +/- | 0.13 | 0.43 |
| 10/29/04 | 0.00 | +/- | 0.13 | 0.44 | 11/29/04 | 0.08 | +/- | 0.13 | 0.44 | 12/29/04 | 0.00 | +/- | 0.13 | 0.43 |
| 10/30/04 | 0.07 | +/- | 0.14 | 0.44 | 11/30/04 | 0.00 | +/- | 0.13 | 0.44 | 12/30/04 | 0.11 | +/- | 0.13 | 0.43 |
| 10/31/04 | 0.02 | +/- | 0.13 | 0.44 | | | | | | 12/31/04 | 0.00 | +/- | 0.13 | 0.43 |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Location 106

| Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | |
|----------|----------------------|-----|------|-------------|------|----------------------|-------|-----|----------|----------|----------------------|-------|------|----------|------|
| 01/01/04 | 4.86 | +/- | 0.20 | 0.47 | | 02/01/04 | 10.52 | +/- | 0.25 | 0.46 | 03/01/04 | 6.17 | +/- | 0.21 | 0.45 |
| 01/02/04 | 2.76 | +/- | 0.18 | 0.47 | | 02/02/04 | 6.82 | +/- | 0.21 | 0.46 | 03/02/04 | 4.43 | +/- | 0.19 | 0.45 |
| 01/03/04 | 4.66 | +/- | 0.20 | 0.47 | | 02/03/04 | 4.34 | +/- | 0.19 | 0.46 | 03/03/04 | 4.35 | +/- | 0.19 | 0.44 |
| 01/04/04 | 6.02 | +/- | 0.21 | 0.47 | | 02/04/04 | 5.91 | +/- | 0.21 | 0.46 | 03/04/04 | 5.05 | +/- | 0.19 | 0.44 |
| 01/05/04 | 3.27 | +/- | 0.18 | 0.47 | | 02/05/04 | 3.57 | +/- | 0.18 | 0.46 | 03/05/04 | 4.00 | +/- | 0.18 | 0.44 |
| 01/06/04 | 4.65 | +/- | 0.20 | 0.47 | | 02/06/04 | 3.38 | +/- | 0.15 | 0.46 | 03/06/04 | 6.41 | +/- | 0.21 | 0.44 |
| 01/07/04 | 5.22 | +/- | 0.20 | 0.47 | | 02/07/04 | 3.98 | +/- | 0.19 | 0.46 | 03/07/04 | 2.77 | +/- | 0.17 | 0.44 |
| 01/08/04 | 5.09 | +/- | 0.20 | 0.47 | | 02/08/04 | 4.67 | +/- | 0.19 | 0.46 | 03/08/04 | 5.18 | +/- | 0.19 | 0.44 |
| 01/09/04 | 5.26 | +/- | 0.20 | 0.47 | | 02/09/04 | 7.02 | +/- | 0.22 | 0.46 | 03/09/04 | 6.32 | +/- | 0.20 | 0.44 |
| 01/10/04 | 5.14 | +/- | 0.20 | 0.47 | | 02/10/04 | 5.68 | +/- | 0.20 | 0.46 | 03/10/04 | 6.74 | +/- | 0.21 | 0.45 |
| 01/11/04 | 5.32 | +/- | 0.20 | 0.47 | | 02/11/04 | 6.32 | +/- | 0.21 | 0.45 | 03/11/04 | 7.64 | +/- | 0.22 | 0.45 |
| 01/12/04 | 4.88 | +/- | 0.20 | 0.47 | | 02/12/04 | 6.82 | +/- | 0.21 | 0.45 | 03/12/04 | 7.66 | +/- | 0.22 | 0.45 |
| 01/13/04 | 4.84 | +/- | 0.20 | 0.47 | | 02/13/04 | 7.05 | +/- | 0.21 | 0.45 | 03/13/04 | 7.86 | +/- | 0.22 | 0.45 |
| 01/14/04 | 6.43 | +/- | 0.21 | 0.42 | | 02/14/04 | 7.45 | +/- | 0.22 | 0.45 | 03/14/04 | 15.37 | +/- | 0.28 | 0.45 |
| 01/15/04 | 6.78 | +/- | 0.21 | 0.42 | | 02/15/04 | 7.58 | +/- | 0.22 | 0.45 | 03/15/04 | 7.88 | +/- | 0.22 | 0.45 |
| 01/16/04 | 6.71 | +/- | 0.21 | 0.42 | | 02/16/04 | 7.72 | +/- | 0.22 | 0.45 | 03/16/04 | 6.43 | +/- | 0.21 | 0.45 |
| 01/17/04 | 9.15 | +/- | 0.23 | 0.42 | | 02/17/04 | 8.39 | +/- | 0.23 | 0.45 | 03/17/04 | 7.04 | +/- | 0.21 | 0.44 |
| 01/18/04 | 3.56 | +/- | 0.18 | 0.42 | | 02/18/04 | 7.60 | +/- | 0.23 | 0.51 | 03/18/04 | 6.55 | +/- | 0.21 | 0.44 |
| 01/19/04 | 6.50 | +/- | 0.21 | 0.42 | | 02/19/04 | 8.38 | +/- | 0.24 | 0.51 | 03/19/04 | 4.95 | +/- | 0.19 | 0.44 |
| 01/20/04 | 6.28 | +/- | 0.21 | 0.42 | | 02/20/04 | 14.70 | +/- | 0.28 | 0.51 | 03/20/04 | 6.45 | +/- | 0.21 | 0.44 |
| 01/21/04 | 6.34 | +/- | 0.21 | 0.45 | | 02/21/04 | 6.71 | +/- | 0.22 | 0.51 | 03/21/04 | 4.74 | +/- | 0.19 | 0.44 |
| 01/22/04 | 7.71 | +/- | 0.22 | 0.45 | | 02/22/04 | 7.54 | +/- | 0.23 | 0.51 | 03/22/04 | 5.11 | +/- | 0.20 | 0.44 |
| 01/23/04 | 8.83 | +/- | 0.23 | 0.45 | | 02/23/04 | 8.66 | +/- | 0.24 | 0.51 | 03/23/04 | 6.22 | +/- | 0.21 | 0.44 |
| 01/24/04 | 9.34 | +/- | 0.23 | 0.45 | | 02/24/04 | 9.13 | +/- | 0.24 | 0.51 | 03/24/04 | 20.65 | +/- | 0.31 | 0.45 |
| 01/25/04 | | | | Frozen Line | | 02/25/04 | 9.52 | +/- | 0.23 | 0.45 | 03/25/04 | 6.57 | +/- | 0.21 | 0.45 |
| 01/26/04 | 5.44 | +/- | 0.20 | 0.45 | | 02/26/04 | 8.83 | +/- | 0.23 | 0.45 | 03/26/04 | 8.88 | +/- | 0.23 | 0.45 |
| 01/27/04 | 4.74 | +/- | 0.19 | 0.45 | | 02/27/04 | 8.85 | +/- | 0.23 | 0.45 | 03/27/04 | 7.93 | +/- | 0.22 | 0.45 |
| 01/28/04 | 5.20 | +/- | 0.20 | 0.46 | | 02/28/04 | 9.38 | +/- | 0.23 | 0.45 | 03/28/04 | 7.05 | +/- | 0.21 | 0.45 |
| 01/29/04 | 7.57 | +/- | 0.22 | 0.46 | | 02/29/04 | 8.97 | +/- | 0.23 | 0.45 | 03/29/04 | 4.01 | +/- | 0.18 | 0.45 |
| 01/30/04 | 5.20 | +/- | 0.20 | 0.46 | | | | | | 03/30/04 | 5.79 | +/- | 0.20 | 0.45 | |
| 01/31/04 | 5.25 | +/- | 0.20 | 0.46 | | | | | | 03/31/04 | 4.41 | +/- | 0.19 | 0.45 | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Location 106

| Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | |
|----------|----------------------|-----|------|----------|------|----------------------|------|-----|----------|------|----------------------|------|-----|----------|------|
| 04/01/04 | 8.76 | +/- | 0.23 | 0.45 | | 05/01/04 | 6.69 | +/- | 0.21 | 0.45 | 06/01/04 | 3.86 | +/- | 0.19 | 0.45 |
| 04/02/04 | 5.71 | +/- | 0.20 | 0.45 | | 05/02/04 | 6.63 | +/- | 0.21 | 0.45 | 06/02/04 | 4.37 | +/- | 0.19 | 0.44 |
| 04/03/04 | 4.29 | +/- | 0.19 | 0.45 | | 05/03/04 | 3.70 | +/- | 0.18 | 0.45 | 06/03/04 | 3.27 | +/- | 0.18 | 0.44 |
| 04/04/04 | 6.15 | +/- | 0.21 | 0.45 | | 05/04/04 | 5.30 | +/- | 0.20 | 0.45 | 06/04/04 | 8.96 | +/- | 0.23 | 0.44 |
| 04/05/04 | 7.41 | +/- | 0.22 | 0.45 | | 05/05/04 | 9.02 | +/- | 0.23 | 0.44 | 06/05/04 | 4.98 | +/- | 0.19 | 0.44 |
| 04/06/04 | 8.08 | +/- | 0.22 | 0.45 | | 05/06/04 | 5.89 | +/- | 0.20 | 0.44 | 06/06/04 | 5.24 | +/- | 0.20 | 0.44 |
| 04/07/04 | 0.22 | +/- | 0.14 | 0.45 | | 05/07/04 | 6.58 | +/- | 0.21 | 0.44 | 06/07/04 | 5.47 | +/- | 0.20 | 0.44 |
| 04/08/04 | 0.30 | +/- | 0.14 | 0.45 | | 05/08/04 | 6.91 | +/- | 0.21 | 0.44 | 06/08/04 | 5.23 | +/- | 0.20 | 0.44 |
| 04/09/04 | 0.22 | +/- | 0.14 | 0.45 | | 05/09/04 | 6.90 | +/- | 0.21 | 0.44 | 06/09/04 | 5.57 | +/- | 0.20 | 0.44 |
| 04/10/04 | 0.22 | +/- | 0.14 | 0.45 | | 05/10/04 | 6.09 | +/- | 0.21 | 0.44 | 06/10/04 | 4.98 | +/- | 0.19 | 0.44 |
| 04/11/04 | 0.18 | +/- | 0.14 | 0.45 | | 05/11/04 | 5.05 | +/- | 0.19 | 0.44 | 06/11/04 | 8.30 | +/- | 0.23 | 0.44 |
| 04/12/04 | 0.22 | +/- | 0.14 | 0.45 | | 05/12/04 | 5.87 | +/- | 0.20 | 0.44 | 06/12/04 | 3.08 | +/- | 0.17 | 0.44 |
| 04/13/04 | 0.19 | +/- | 0.14 | 0.45 | | 05/13/04 | 4.74 | +/- | 0.19 | 0.44 | 06/13/04 | 2.03 | +/- | 0.16 | 0.44 |
| 04/14/04 | 4.85 | +/- | 0.19 | 0.45 | | 05/14/04 | 6.57 | +/- | 0.21 | 0.44 | 06/14/04 | 4.30 | +/- | 0.19 | 0.44 |
| 04/15/04 | 6.94 | +/- | 0.21 | 0.45 | | 05/15/04 | 8.00 | +/- | 0.22 | 0.44 | 06/15/04 | 4.29 | +/- | 0.19 | 0.44 |
| 04/16/04 | 8.93 | +/- | 0.23 | 0.45 | | 05/16/04 | 8.59 | +/- | 0.23 | 0.44 | 06/16/04 | 5.05 | +/- | 0.19 | 0.43 |
| 04/17/04 | 9.31 | +/- | 0.23 | 0.45 | | 05/17/04 | 6.12 | +/- | 0.21 | 0.44 | 06/17/04 | 3.18 | +/- | 0.17 | 0.43 |
| 04/18/04 | 9.51 | +/- | 0.24 | 0.45 | | 05/18/04 | 4.39 | +/- | 0.19 | 0.44 | 06/18/04 | 4.16 | +/- | 0.18 | 0.43 |
| 04/19/04 | 9.94 | +/- | 0.24 | 0.45 | | 05/19/04 | 1.06 | +/- | 0.16 | 0.46 | 06/19/04 | 4.37 | +/- | 0.18 | 0.43 |
| 04/20/04 | 9.78 | +/- | 0.24 | 0.45 | | 05/20/04 | 0.92 | +/- | 0.15 | 0.46 | 06/20/04 | 4.40 | +/- | 0.18 | 0.43 |
| 04/21/04 | 12.61 | +/- | 0.26 | 0.44 | | 05/21/04 | 1.01 | +/- | 0.15 | 0.46 | 06/21/04 | 3.92 | +/- | 0.18 | 0.43 |
| 04/22/04 | 6.50 | +/- | 0.21 | 0.44 | | 05/22/04 | 0.32 | +/- | 0.15 | 0.46 | 06/22/04 | 3.63 | +/- | 0.18 | 0.43 |
| 04/23/04 | 3.88 | +/- | 0.18 | 0.44 | | 05/23/04 | 0.40 | +/- | 0.15 | 0.46 | 06/23/04 | 5.13 | +/- | 0.19 | 0.44 |
| 04/24/04 | 4.85 | +/- | 0.19 | 0.44 | | 05/24/04 | 0.55 | +/- | 0.15 | 0.46 | 06/24/04 | 4.53 | +/- | 0.19 | 0.44 |
| 04/25/04 | 8.01 | +/- | 0.22 | 0.44 | | 05/25/04 | 0.59 | +/- | 0.15 | 0.46 | 06/25/04 | 3.42 | +/- | 0.18 | 0.44 |
| 04/26/04 | 5.38 | +/- | 0.20 | 0.44 | | 05/26/04 | 4.97 | +/- | 0.20 | 0.45 | 06/26/04 | 4.01 | +/- | 0.18 | 0.44 |
| 04/27/04 | 11.08 | +/- | 0.25 | 0.44 | | 05/27/04 | 1.27 | +/- | 0.15 | 0.45 | 06/27/04 | 4.66 | +/- | 0.19 | 0.44 |
| 04/28/04 | 6.56 | +/- | 0.21 | 0.45 | | 05/28/04 | 2.37 | +/- | 0.17 | 0.45 | 06/28/04 | 3.27 | +/- | 0.17 | 0.44 |
| 04/29/04 | 7.64 | +/- | 0.22 | 0.45 | | 05/29/04 | 2.79 | +/- | 0.17 | 0.45 | 06/29/04 | 2.70 | +/- | 0.17 | 0.44 |
| 04/30/04 | 8.42 | +/- | 0.23 | 0.45 | | 05/30/04 | 3.19 | +/- | 0.18 | 0.45 | 06/30/04 | 2.49 | +/- | 0.17 | 0.44 |
| | | | | | | 05/31/04 | 1.67 | +/- | 0.16 | 0.45 | | | | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Location 106

| Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | |
|----------|----------------------|-----|------|----------|------|----------------------|------|-----|----------|------|----------------------|------|-----|----------|------|
| 07/01/04 | 2.76 | +/- | 0.17 | 0.44 | | 08/01/04 | 1.91 | +/- | 0.16 | 0.44 | 09/01/04 | 2.90 | +/- | 0.17 | 0.44 |
| 07/02/04 | 2.65 | +/- | 0.17 | 0.44 | | 08/02/04 | 2.29 | +/- | 0.16 | 0.44 | 09/02/04 | 2.56 | +/- | 0.17 | 0.44 |
| 07/03/04 | 2.72 | +/- | 0.17 | 0.44 | | 08/03/04 | 2.54 | +/- | 0.17 | 0.44 | 09/03/04 | 6.58 | +/- | 0.21 | 0.44 |
| 07/04/04 | 2.22 | +/- | 0.16 | 0.44 | | 08/04/04 | 2.45 | +/- | 0.16 | 0.43 | 09/04/04 | 1.36 | +/- | 0.15 | 0.44 |
| 07/05/04 | 2.64 | +/- | 0.17 | 0.44 | | 08/05/04 | 0.92 | +/- | 0.14 | 0.43 | 09/05/04 | 2.30 | +/- | 0.16 | 0.44 |
| 07/06/04 | 3.52 | +/- | 0.18 | 0.44 | | 08/06/04 | 1.88 | +/- | 0.16 | 0.43 | 09/06/04 | 2.26 | +/- | 0.16 | 0.44 |
| 07/07/04 | 1.54 | +/- | 0.16 | 0.46 | | 08/07/04 | 2.38 | +/- | 0.16 | 0.43 | 09/07/04 | 1.97 | +/- | 0.16 | 0.44 |
| 07/08/04 | 2.54 | +/- | 0.17 | 0.46 | | 08/08/04 | 2.56 | +/- | 0.16 | 0.43 | 09/08/04 | 0.91 | +/- | 0.15 | 0.44 |
| 07/09/04 | 2.65 | +/- | 0.17 | 0.46 | | 08/09/04 | 2.86 | +/- | 0.17 | 0.43 | 09/09/04 | 1.09 | +/- | 0.15 | 0.44 |
| 07/10/04 | 1.57 | +/- | 0.16 | 0.46 | | 08/10/04 | 3.00 | +/- | 0.17 | 0.43 | 09/10/04 | 2.14 | +/- | 0.16 | 0.44 |
| 07/11/04 | 1.17 | +/- | 0.16 | 0.46 | | 08/11/04 | 3.47 | +/- | 0.18 | 0.43 | 09/11/04 | 2.54 | +/- | 0.17 | 0.44 |
| 07/12/04 | 2.05 | +/- | 0.17 | 0.46 | | 08/12/04 | 2.70 | +/- | 0.17 | 0.43 | 09/12/04 | 4.05 | +/- | 0.18 | 0.44 |
| 07/13/04 | 3.02 | +/- | 0.18 | 0.46 | | 08/13/04 | 2.93 | +/- | 0.17 | 0.43 | 09/13/04 | 1.81 | +/- | 0.16 | 0.44 |
| 07/14/04 | 2.63 | +/- | 0.17 | 0.44 | | 08/14/04 | 3.73 | +/- | 0.18 | 0.43 | 09/14/04 | 2.25 | +/- | 0.16 | 0.44 |
| 07/15/04 | 2.38 | +/- | 0.16 | 0.44 | | 08/15/04 | 2.91 | +/- | 0.17 | 0.43 | 09/15/04 | 2.57 | +/- | 0.17 | 0.45 |
| 07/16/04 | 2.69 | +/- | 0.17 | 0.44 | | 08/16/04 | 2.73 | +/- | 0.17 | 0.43 | 09/16/04 | 2.41 | +/- | 0.17 | 0.45 |
| 07/17/04 | 5.17 | +/- | 0.20 | 0.44 | | 08/17/04 | 2.88 | +/- | 0.17 | 0.43 | 09/17/04 | 3.14 | +/- | 0.18 | 0.45 |
| 07/18/04 | 2.83 | +/- | 0.17 | 0.44 | | 08/18/04 | 3.13 | +/- | 0.17 | 0.43 | 09/18/04 | 1.59 | +/- | 0.16 | 0.45 |
| 07/19/04 | 3.49 | +/- | 0.18 | 0.44 | | 08/19/04 | 3.00 | +/- | 0.17 | 0.43 | 09/19/04 | 2.82 | +/- | 0.17 | 0.45 |
| 07/20/04 | 4.21 | +/- | 0.19 | 0.44 | | 08/20/04 | 3.26 | +/- | 0.17 | 0.43 | 09/20/04 | 3.43 | +/- | 0.18 | 0.45 |
| 07/21/04 | 3.40 | +/- | 0.18 | 0.45 | | 08/21/04 | 1.28 | +/- | 0.15 | 0.43 | 09/21/04 | 3.44 | +/- | 0.18 | 0.45 |
| 07/22/04 | 2.16 | +/- | 0.16 | 0.45 | | 08/22/04 | 1.64 | +/- | 0.15 | 0.43 | 09/22/04 | 3.46 | +/- | 0.18 | 0.44 |
| 07/23/04 | 2.11 | +/- | 0.16 | 0.45 | | 08/23/04 | 2.55 | +/- | 0.16 | 0.43 | 09/23/04 | 3.54 | +/- | 0.18 | 0.44 |
| 07/24/04 | 4.85 | +/- | 0.19 | 0.45 | | 08/24/04 | 2.87 | +/- | 0.17 | 0.43 | 09/24/04 | 3.36 | +/- | 0.18 | 0.44 |
| 07/25/04 | 3.39 | +/- | 0.18 | 0.45 | | 08/25/04 | 3.24 | +/- | 0.17 | 0.43 | 09/25/04 | 2.83 | +/- | 0.17 | 0.44 |
| 07/26/04 | 1.80 | +/- | 0.16 | 0.45 | | 08/26/04 | 5.24 | +/- | 0.19 | 0.43 | 09/26/04 | 2.87 | +/- | 0.17 | 0.44 |
| 07/27/04 | 2.46 | +/- | 0.17 | 0.45 | | 08/27/04 | 2.54 | +/- | 0.16 | 0.43 | 09/27/04 | 2.57 | +/- | 0.17 | 0.44 |
| 07/28/04 | 2.77 | +/- | 0.17 | 0.44 | | 08/28/04 | 3.35 | +/- | 0.17 | 0.43 | 09/28/04 | 2.59 | +/- | 0.17 | 0.44 |
| 07/29/04 | 2.80 | +/- | 0.17 | 0.44 | | 08/29/04 | 6.92 | +/- | 0.21 | 0.43 | 09/29/04 | 2.51 | +/- | 0.17 | 0.43 |
| 07/30/04 | 2.47 | +/- | 0.17 | 0.44 | | 08/30/04 | 5.72 | +/- | 0.20 | 0.43 | 09/30/04 | 2.42 | +/- | 0.16 | 0.43 |
| 07/31/04 | 2.42 | +/- | 0.16 | 0.44 | | 08/31/04 | 3.01 | +/- | 0.17 | 0.43 | | | | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Location 106

| Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | |
|----------|----------------------|-----|------|----------|------|----------------------|------|-----|----------|----------|----------------------|-------|------|----------|---------------------------|
| 10/01/04 | 2.42 | +/- | 0.16 | 0.43 | | 11/01/04 | 3.76 | +/- | 0.18 | 0.44 | 12/01/04 | 2.80 | +/- | 0.17 | 0.44 |
| 10/02/04 | 2.05 | +/- | 0.16 | 0.43 | | 11/02/04 | 2.88 | +/- | 0.17 | 0.44 | 12/02/04 | 3.39 | +/- | 0.18 | 0.44 |
| 10/03/04 | 2.90 | +/- | 0.17 | 0.43 | | 11/03/04 | 3.59 | +/- | 0.18 | 0.43 | 12/03/04 | 4.51 | +/- | 0.19 | 0.44 |
| 10/04/04 | 3.04 | +/- | 0.17 | 0.43 | | 11/04/04 | 1.76 | +/- | 0.16 | 0.43 | 12/04/04 | 4.63 | +/- | 0.19 | 0.44 |
| 10/05/04 | 2.40 | +/- | 0.16 | 0.43 | | 11/05/04 | 2.28 | +/- | 0.16 | 0.43 | 12/05/04 | 4.93 | +/- | 0.19 | 0.44 |
| 10/06/04 | 2.18 | +/- | 0.16 | 0.45 | | 11/06/04 | 2.61 | +/- | 0.17 | 0.43 | 12/06/04 | 4.37 | +/- | 0.19 | 0.44 |
| 10/07/04 | 2.24 | +/- | 0.16 | 0.45 | | 11/07/04 | 3.20 | +/- | 0.17 | 0.43 | 12/07/04 | 3.36 | +/- | 0.18 | 0.44 |
| 10/08/04 | 2.07 | +/- | 0.16 | 0.45 | | 11/08/04 | 3.71 | +/- | 0.18 | 0.43 | 12/08/04 | 3.36 | +/- | 0.18 | 0.44 |
| 10/09/04 | 2.33 | +/- | 0.17 | 0.45 | | 11/09/04 | 3.89 | +/- | 0.18 | 0.43 | 12/09/04 | 4.75 | +/- | 0.19 | 0.44 |
| 10/10/04 | 2.27 | +/- | 0.17 | 0.45 | | 11/10/04 | 3.85 | +/- | 0.18 | 0.43 | 12/10/04 | 3.72 | +/- | 0.18 | 0.44 |
| 10/11/04 | 2.32 | +/- | 0.17 | 0.45 | | 11/11/04 | 3.97 | +/- | 0.18 | 0.43 | 12/11/04 | 3.68 | +/- | 0.18 | 0.44 |
| 10/12/04 | 2.48 | +/- | 0.17 | 0.45 | | 11/12/04 | 2.32 | +/- | 0.16 | 0.43 | 12/12/04 | 3.31 | +/- | 0.18 | 0.44 |
| 10/13/04 | 1.43 | +/- | 0.16 | 0.45 | | 11/13/04 | 3.02 | +/- | 0.17 | 0.43 | 12/13/04 | 4.25 | +/- | 0.19 | 0.44 |
| 10/14/04 | 1.50 | +/- | 0.16 | 0.45 | | 11/14/04 | 3.29 | +/- | 0.17 | 0.43 | 12/14/04 | 4.99 | +/- | 0.19 | 0.44 |
| 10/15/04 | 2.21 | +/- | 0.17 | 0.45 | | 11/15/04 | 4.05 | +/- | 0.18 | 0.43 | 12/15/04 | 4.74 | +/- | 0.19 | 0.44 |
| 10/16/04 | 2.86 | +/- | 0.17 | 0.45 | | 11/16/04 | 4.18 | +/- | 0.18 | 0.43 | 12/16/04 | 13.57 | +/- | 0.27 | 0.44 |
| 10/17/04 | 2.90 | +/- | 0.17 | 0.45 | | 11/17/04 | 5.72 | +/- | 0.20 | 0.44 | 12/17/04 | | | | No Sample - Equip Problem |
| 10/18/04 | 2.68 | +/- | 0.17 | 0.45 | | 11/18/04 | 7.54 | +/- | 0.22 | 0.44 | 12/18/04 | | | | No Sample - Equip Problem |
| 10/19/04 | 0.76 | +/- | 0.15 | 0.45 | | 11/19/04 | 4.19 | +/- | 0.19 | 0.44 | 12/19/04 | | | | No Sample - Equip Problem |
| 10/20/04 | 1.40 | +/- | 0.16 | 0.45 | | 11/20/04 | 3.13 | +/- | 0.17 | 0.44 | 12/20/04 | | | | No Sample - Equip Problem |
| 10/21/04 | 2.13 | +/- | 0.16 | 0.45 | | 11/21/04 | 3.71 | +/- | 0.18 | 0.44 | 12/21/04 | | | | No Sample - Equip Problem |
| 10/22/04 | 3.01 | +/- | 0.17 | 0.45 | | 11/22/04 | 4.16 | +/- | 0.19 | 0.44 | 12/22/04 | 8.37 | +/- | 0.23 | 0.44 |
| 10/23/04 | 3.19 | +/- | 0.18 | 0.45 | | 11/23/04 | 4.11 | +/- | 0.19 | 0.44 | 12/23/04 | 4.17 | +/- | 0.19 | 0.44 |
| 10/24/04 | 2.61 | +/- | 0.17 | 0.45 | | 11/24/04 | 4.36 | +/- | 0.19 | 0.45 | 12/24/04 | 8.50 | +/- | 0.23 | 0.44 |
| 10/25/04 | 2.24 | +/- | 0.17 | 0.45 | | 11/25/04 | 3.13 | +/- | 0.18 | 0.45 | 12/25/04 | 7.98 | +/- | 0.22 | 0.44 |
| 10/26/04 | 2.79 | +/- | 0.17 | 0.45 | | 11/26/04 | 3.73 | +/- | 0.18 | 0.45 | 12/26/04 | 7.99 | +/- | 0.22 | 0.44 |
| 10/27/04 | 2.84 | +/- | 0.17 | 0.44 | | 11/27/04 | 4.27 | +/- | 0.19 | 0.45 | 12/27/04 | 7.79 | +/- | 0.22 | 0.44 |
| 10/28/04 | 2.78 | +/- | 0.17 | 0.44 | | 11/28/04 | 3.55 | +/- | 0.18 | 0.45 | 12/28/04 | 5.04 | +/- | 0.19 | 0.44 |
| 10/29/04 | 3.00 | +/- | 0.17 | 0.44 | | 11/29/04 | 3.66 | +/- | 0.18 | 0.45 | 12/29/04 | 9.59 | +/- | 0.24 | 0.43 |
| 10/30/04 | 5.54 | +/- | 0.20 | 0.44 | | 11/30/04 | 4.30 | +/- | 0.19 | 0.45 | 12/30/04 | 8.78 | +/- | 0.23 | 0.43 |
| 10/31/04 | 3.61 | +/- | 0.18 | 0.44 | | | | | | 12/31/04 | 6.05 | +/- | 0.20 | 0.43 | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Location 122C

| Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | |
|----------|----------------------|-----|------|----------|------|----------------------|------|-----|----------|----------|----------------------|------|------|----------|------|
| 01/01/04 | 1.02 | +/- | 0.14 | 0.42 | | 02/01/04 | 2.17 | +/- | 0.16 | 0.45 | 03/01/04 | 1.40 | +/- | 0.15 | 0.44 |
| 01/02/04 | 0.79 | +/- | 0.14 | 0.42 | | 02/02/04 | 2.09 | +/- | 0.16 | 0.45 | 03/02/04 | 2.84 | +/- | 0.17 | 0.44 |
| 01/03/04 | 0.64 | +/- | 0.14 | 0.42 | | 02/03/04 | 1.29 | +/- | 0.16 | 0.48 | 03/03/04 | 1.24 | +/- | 0.15 | 0.44 |
| 01/04/04 | 0.98 | +/- | 0.14 | 0.42 | | 02/04/04 | 1.02 | +/- | 0.16 | 0.48 | 03/04/04 | 1.28 | +/- | 0.15 | 0.44 |
| 01/05/04 | 0.88 | +/- | 0.14 | 0.42 | | 02/05/04 | 1.29 | +/- | 0.16 | 0.48 | 03/05/04 | 1.20 | +/- | 0.15 | 0.44 |
| 01/06/04 | 0.78 | +/- | 0.15 | 0.42 | | 02/06/04 | 0.58 | +/- | 0.15 | 0.48 | 03/06/04 | 0.43 | +/- | 0.14 | 0.44 |
| 01/07/04 | 0.99 | +/- | 0.16 | 0.42 | | 02/07/04 | 1.08 | +/- | 0.16 | 0.48 | 03/07/04 | 0.90 | +/- | 0.14 | 0.44 |
| 01/08/04 | 1.04 | +/- | 0.16 | 0.42 | | 02/08/04 | 0.81 | +/- | 0.16 | 0.48 | 03/08/04 | 1.12 | +/- | 0.15 | 0.44 |
| 01/09/04 | 1.74 | +/- | 0.17 | 0.42 | | 02/09/04 | 0.93 | +/- | 0.16 | 0.48 | 03/09/04 | 1.24 | +/- | 0.15 | 0.44 |
| 01/10/04 | 1.70 | +/- | 0.16 | 0.42 | | 02/10/04 | 1.18 | +/- | 0.15 | 0.45 | 03/10/04 | 1.35 | +/- | 0.15 | 0.44 |
| 01/11/04 | 1.78 | +/- | 0.17 | 0.42 | | 02/11/04 | 1.15 | +/- | 0.15 | 0.45 | 03/11/04 | 1.55 | +/- | 0.15 | 0.44 |
| 01/12/04 | 1.33 | +/- | 0.16 | 0.42 | | 02/12/04 | 1.12 | +/- | 0.15 | 0.45 | 03/12/04 | 1.68 | +/- | 0.15 | 0.44 |
| 01/13/04 | 1.66 | +/- | 0.16 | 0.42 | | 02/13/04 | 1.30 | +/- | 0.15 | 0.45 | 03/13/04 | 1.38 | +/- | 0.15 | 0.44 |
| 01/14/04 | 1.37 | +/- | 0.16 | 0.42 | | 02/14/04 | 1.09 | +/- | 0.15 | 0.45 | 03/14/04 | 1.67 | +/- | 0.15 | 0.44 |
| 01/15/04 | 1.38 | +/- | 0.16 | 0.42 | | 02/15/04 | 1.28 | +/- | 0.15 | 0.45 | 03/15/04 | 3.20 | +/- | 0.17 | 0.44 |
| 01/16/04 | 1.60 | +/- | 0.16 | 0.42 | | 02/16/04 | 1.25 | +/- | 0.15 | 0.45 | 03/16/04 | 2.49 | +/- | 0.17 | 0.45 |
| 01/17/04 | 1.32 | +/- | 0.16 | 0.42 | | 02/17/04 | 1.06 | +/- | 0.15 | 0.45 | 03/17/04 | 2.39 | +/- | 0.17 | 0.45 |
| 01/18/04 | 1.32 | +/- | 0.16 | 0.42 | | 02/18/04 | 1.04 | +/- | 0.15 | 0.45 | 03/18/04 | 2.52 | +/- | 0.17 | 0.45 |
| 01/19/04 | 1.19 | +/- | 0.16 | 0.42 | | 02/19/04 | 1.34 | +/- | 0.16 | 0.45 | 03/19/04 | 2.36 | +/- | 0.17 | 0.45 |
| 01/20/04 | 1.03 | +/- | 0.15 | 0.46 | | 02/20/04 | 1.53 | +/- | 0.16 | 0.45 | 03/20/04 | 1.27 | +/- | 0.15 | 0.45 |
| 01/21/04 | 1.12 | +/- | 0.15 | 0.46 | | 02/21/04 | 2.63 | +/- | 0.17 | 0.45 | 03/21/04 | 2.56 | +/- | 0.17 | 0.45 |
| 01/22/04 | 1.21 | +/- | 0.16 | 0.46 | | 02/22/04 | 1.54 | +/- | 0.16 | 0.45 | 03/22/04 | 1.29 | +/- | 0.15 | 0.45 |
| 01/23/04 | 1.40 | +/- | 0.16 | 0.46 | | 02/23/04 | 1.18 | +/- | 0.15 | 0.45 | 03/23/04 | 1.06 | +/- | 0.15 | 0.45 |
| 01/24/04 | 1.26 | +/- | 0.16 | 0.46 | | 02/24/04 | 1.62 | +/- | 0.15 | 0.44 | 03/24/04 | 1.37 | +/- | 0.16 | 0.45 |
| 01/25/04 | 1.48 | +/- | 0.16 | 0.46 | | 02/25/04 | 1.48 | +/- | 0.15 | 0.44 | 03/25/04 | 2.84 | +/- | 0.17 | 0.45 |
| 01/26/04 | 1.87 | +/- | 0.16 | 0.46 | | 02/26/04 | 1.74 | +/- | 0.16 | 0.44 | 03/26/04 | 1.70 | +/- | 0.16 | 0.45 |
| 01/27/04 | 1.46 | +/- | 0.16 | 0.45 | | 02/27/04 | 1.47 | +/- | 0.15 | 0.44 | 03/27/04 | 2.48 | +/- | 0.17 | 0.45 |
| 01/28/04 | 1.19 | +/- | 0.15 | 0.45 | | 02/28/04 | 1.65 | +/- | 0.15 | 0.44 | 03/28/04 | 3.72 | +/- | 0.18 | 0.45 |
| 01/29/04 | 1.19 | +/- | 0.15 | 0.45 | | 02/29/04 | 1.38 | +/- | 0.15 | 0.44 | 03/29/04 | 1.61 | +/- | 0.16 | 0.45 |
| 01/30/04 | 1.81 | +/- | 0.16 | 0.45 | | | | | | 03/30/04 | 1.22 | +/- | 0.15 | 0.45 | |
| 01/31/04 | 1.31 | +/- | 0.15 | 0.45 | | | | | | 03/31/04 | 1.34 | +/- | 0.15 | 0.45 | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Location 122C

| Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | | |
|----------|----------------------|-----|------|----------|------|----------------------|------|-----|----------|------|----------------------|----------|------|----------|------|------|
| 04/01/04 | 1.78 | +/- | 0.16 | 0.45 | | 05/01/04 | 2.59 | +/- | 0.17 | 0.45 | | 06/01/04 | 0.49 | +/- | 0.15 | 0.46 |
| 04/02/04 | 1.59 | +/- | 0.16 | 0.45 | | 05/02/04 | 1.83 | +/- | 0.16 | 0.45 | | 06/02/04 | 1.21 | +/- | 0.16 | 0.46 |
| 04/03/04 | 1.55 | +/- | 0.16 | 0.45 | | 05/03/04 | 0.91 | +/- | 0.15 | 0.45 | | 06/03/04 | 0.45 | +/- | 0.15 | 0.46 |
| 04/04/04 | 1.70 | +/- | 0.16 | 0.45 | | 05/04/04 | 1.05 | +/- | 0.15 | 0.45 | | 06/04/04 | 0.62 | +/- | 0.15 | 0.46 |
| 04/05/04 | 1.81 | +/- | 0.16 | 0.45 | | 05/05/04 | 1.61 | +/- | 0.16 | 0.45 | | 06/05/04 | 0.90 | +/- | 0.15 | 0.46 |
| 04/06/04 | 1.25 | +/- | 0.16 | 0.46 | | 05/06/04 | 1.37 | +/- | 0.16 | 0.45 | | 06/06/04 | 0.72 | +/- | 0.15 | 0.46 |
| 04/07/04 | 1.31 | +/- | 0.16 | 0.46 | | 05/07/04 | 1.20 | +/- | 0.15 | 0.45 | | 06/07/04 | 0.75 | +/- | 0.15 | 0.46 |
| 04/08/04 | 1.43 | +/- | 0.16 | 0.46 | | 05/08/04 | 1.14 | +/- | 0.15 | 0.45 | | 06/08/04 | 0.84 | +/- | 0.15 | 0.44 |
| 04/09/04 | 1.48 | +/- | 0.16 | 0.46 | | 05/09/04 | 1.15 | +/- | 0.15 | 0.45 | | 06/09/04 | 0.65 | +/- | 0.14 | 0.44 |
| 04/10/04 | 1.66 | +/- | 0.16 | 0.46 | | 05/10/04 | 1.16 | +/- | 0.15 | 0.45 | | 06/10/04 | 0.73 | +/- | 0.14 | 0.44 |
| 04/11/04 | 1.38 | +/- | 0.16 | 0.46 | | 05/11/04 | 1.95 | +/- | 0.16 | 0.45 | | 06/11/04 | 0.67 | +/- | 0.14 | 0.44 |
| 04/12/04 | 1.34 | +/- | 0.16 | 0.46 | | 05/12/04 | 1.48 | +/- | 0.16 | 0.45 | | 06/12/04 | 0.92 | +/- | 0.15 | 0.44 |
| 04/13/04 | 1.32 | +/- | 0.15 | 0.44 | | 05/13/04 | 1.04 | +/- | 0.15 | 0.45 | | 06/13/04 | 0.51 | +/- | 0.14 | 0.44 |
| 04/14/04 | 1.59 | +/- | 0.15 | 0.44 | | 05/14/04 | 0.88 | +/- | 0.15 | 0.45 | | 06/14/04 | 0.44 | +/- | 0.14 | 0.44 |
| 04/15/04 | 1.66 | +/- | 0.16 | 0.44 | | 05/15/04 | 2.41 | +/- | 0.17 | 0.45 | | 06/15/04 | 0.86 | +/- | 0.15 | 0.44 |
| 04/16/04 | 1.40 | +/- | 0.15 | 0.44 | | 05/16/04 | 2.18 | +/- | 0.16 | 0.45 | | 06/16/04 | 1.01 | +/- | 0.15 | 0.44 |
| 04/17/04 | 1.95 | +/- | 0.16 | 0.44 | | 05/17/04 | 2.64 | +/- | 0.17 | 0.45 | | 06/17/04 | 0.65 | +/- | 0.14 | 0.44 |
| 04/18/04 | 1.77 | +/- | 0.16 | 0.44 | | 05/18/04 | 2.13 | +/- | 0.17 | 0.46 | | 06/18/04 | 0.85 | +/- | 0.15 | 0.44 |
| 04/19/04 | 1.82 | +/- | 0.16 | 0.44 | | 05/19/04 | 1.77 | +/- | 0.16 | 0.46 | | 06/19/04 | 1.11 | +/- | 0.15 | 0.44 |
| 04/20/04 | 1.88 | +/- | 0.16 | 0.45 | | 05/20/04 | 2.22 | +/- | 0.17 | 0.46 | | 06/20/04 | 1.76 | +/- | 0.16 | 0.44 |
| 04/21/04 | 2.65 | +/- | 0.17 | 0.45 | | 05/21/04 | 2.06 | +/- | 0.17 | 0.46 | | 06/21/04 | 1.09 | +/- | 0.15 | 0.44 |
| 04/22/04 | 2.76 | +/- | 0.17 | 0.45 | | 05/22/04 | 1.72 | +/- | 0.16 | 0.46 | | 06/22/04 | 0.90 | +/- | 0.14 | 0.43 |
| 04/23/04 | 1.88 | +/- | 0.16 | 0.45 | | 05/23/04 | 1.28 | +/- | 0.16 | 0.46 | | 06/23/04 | 1.20 | +/- | 0.15 | 0.43 |
| 04/24/04 | 1.21 | +/- | 0.15 | 0.50 | | 05/24/04 | 1.07 | +/- | 0.15 | 0.46 | | 06/24/04 | 2.34 | +/- | 0.16 | 0.43 |
| 04/25/04 | 1.93 | +/- | 0.16 | 0.50 | | 05/25/04 | 0.82 | +/- | 0.15 | 0.44 | | 06/25/04 | 1.46 | +/- | 0.15 | 0.43 |
| 04/26/04 | 2.31 | +/- | 0.17 | 0.45 | | 05/26/04 | 2.46 | +/- | 0.17 | 0.44 | | 06/26/04 | 1.32 | +/- | 0.15 | 0.43 |
| 04/27/04 | 1.50 | +/- | 0.16 | 0.45 | | 05/27/04 | 0.97 | +/- | 0.15 | 0.44 | | 06/27/04 | 2.08 | +/- | 0.16 | 0.43 |
| 04/28/04 | 1.42 | +/- | 0.16 | 0.45 | | 05/28/04 | 1.07 | +/- | 0.15 | 0.44 | | 06/28/04 | 1.63 | +/- | 0.15 | 0.43 |
| 04/29/04 | 1.20 | +/- | 0.15 | 0.45 | | 05/29/04 | 0.96 | +/- | 0.15 | 0.44 | | 06/29/04 | 0.88 | +/- | 0.15 | 0.44 |
| 04/30/04 | 1.60 | +/- | 0.16 | 0.45 | | 05/30/04 | 0.89 | +/- | 0.15 | 0.44 | | 06/30/04 | 0.83 | +/- | 0.15 | 0.44 |
| | | | | | | 05/31/04 | 0.59 | +/- | 0.14 | 0.44 | | | | | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Location 122C

| Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments |
|----------|----------------------|-----|------|----------|----------|----------------------|-----|------|----------|----------|----------------------|-----|------|--------------------------|
| 07/01/04 | 0.60 | +/- | 0.14 | 0.44 | 08/01/04 | 0.52 | +/- | 0.14 | 0.44 | 09/01/04 | 0.95 | +/- | 0.14 | 0.43 |
| 07/02/04 | 0.68 | +/- | 0.14 | 0.44 | 08/02/04 | 0.63 | +/- | 0.14 | 0.44 | 09/02/04 | 0.65 | +/- | 0.14 | 0.3 |
| 07/03/04 | 0.92 | +/- | 0.15 | 0.44 | 08/03/04 | 0.59 | +/- | 0.14 | 0.43 | 09/03/04 | 0.69 | +/- | 0.14 | 0.43 |
| 07/04/04 | 1.91 | +/- | 0.16 | 0.44 | 08/04/04 | 0.47 | +/- | 0.14 | 0.43 | 09/04/04 | 0.89 | +/- | 0.14 | 0.43 |
| 07/05/04 | 1.23 | +/- | 0.15 | 0.44 | 08/05/04 | 0.29 | +/- | 0.13 | 0.43 | 09/05/04 | 0.61 | +/- | 0.14 | 0.43 |
| 07/06/04 | 1.08 | +/- | 0.15 | 0.46 | 08/06/04 | 0.46 | +/- | 0.14 | 0.43 | 09/06/04 | 0.64 | +/- | 0.14 | 0.43 |
| 07/07/04 | 0.75 | +/- | 0.15 | 0.46 | 08/07/04 | 0.38 | +/- | 0.14 | 0.43 | 09/07/04 | 0.52 | +/- | 0.14 | 0.43 |
| 07/08/04 | 0.72 | +/- | 0.15 | 0.46 | 08/08/04 | 0.51 | +/- | 0.14 | 0.43 | 09/08/04 | 0.73 | +/- | 0.14 | 0.43 |
| 07/09/04 | 0.87 | +/- | 0.15 | 0.46 | 08/09/04 | 0.79 | +/- | 0.14 | 0.43 | 09/09/04 | 0.39 | +/- | 0.14 | 0.43 |
| 07/10/04 | 0.61 | +/- | 0.15 | 0.46 | 08/10/04 | 0.50 | +/- | 0.14 | 0.43 | 09/10/04 | 0.47 | +/- | 0.14 | 0.43 |
| 07/11/04 | 0.73 | +/- | 0.15 | 0.46 | 08/11/04 | 1.65 | +/- | 0.15 | 0.43 | 09/11/04 | 0.53 | +/- | 0.14 | 0.43 |
| 07/12/04 | 0.82 | +/- | 0.15 | 0.46 | 08/12/04 | 1.61 | +/- | 0.15 | 0.43 | 09/12/04 | 0.51 | +/- | 0.14 | 0.43 |
| 07/13/04 | 0.84 | +/- | 0.15 | 0.45 | 08/13/04 | 1.63 | +/- | 0.15 | 0.43 | 09/13/04 | 0.55 | +/- | 0.14 | 0.43 |
| 07/14/04 | 0.77 | +/- | 0.15 | 0.45 | 08/14/04 | 0.96 | +/- | 0.15 | 0.43 | 09/14/04 | 0.50 | +/- | 0.14 | 0.43 |
| 07/15/04 | 0.50 | +/- | 0.14 | 0.45 | 08/15/04 | 0.57 | +/- | 0.14 | 0.43 | 09/15/04 | 0.49 | +/- | 0.14 | 0.43 |
| 07/16/04 | 0.58 | +/- | 0.14 | 0.45 | 08/16/04 | 0.46 | +/- | 0.14 | 0.43 | 09/16/04 | 0.40 | +/- | 0.14 | 0.43 |
| 07/17/04 | 0.62 | +/- | 0.14 | 0.45 | 08/17/04 | 0.48 | +/- | 0.14 | 0.44 | 09/17/04 | 0.33 | +/- | 0.14 | 0.43 |
| 07/18/04 | 1.25 | +/- | 0.15 | 0.45 | 08/18/04 | 0.32 | +/- | 0.14 | 0.44 | 09/18/04 | | | | Sample line out of water |
| 07/19/04 | 0.67 | +/- | 0.14 | 0.45 | 08/19/04 | 0.22 | +/- | 0.14 | 0.44 | 09/19/04 | | | | Sample line out of water |
| 07/20/04 | 0.65 | +/- | 0.14 | 0.43 | 08/20/04 | 0.20 | +/- | 0.14 | 0.44 | 09/20/04 | | | | Sample line out of water |
| 07/21/04 | 0.82 | +/- | 0.14 | 0.43 | 08/21/04 | 0.36 | +/- | 0.14 | 0.44 | 09/21/04 | 0.64 | +/- | 0.14 | 0.44 |
| 07/22/04 | 0.83 | +/- | 0.14 | 0.43 | 08/22/04 | 0.33 | +/- | 0.14 | 0.44 | 09/22/04 | 0.63 | +/- | 0.14 | 0.44 |
| 07/23/04 | 0.58 | +/- | 0.14 | 0.43 | 08/23/04 | 0.30 | +/- | 0.14 | 0.44 | 09/23/04 | 0.38 | +/- | 0.14 | 0.44 |
| 07/24/04 | 0.78 | +/- | 0.14 | 0.43 | 08/24/04 | 0.65 | +/- | 0.14 | 0.43 | 09/24/04 | 0.55 | +/- | 0.14 | 0.44 |
| 07/25/04 | 0.82 | +/- | 0.14 | 0.43 | 08/25/04 | 0.64 | +/- | 0.14 | 0.43 | 09/25/04 | 0.78 | +/- | 0.14 | 0.44 |
| 07/26/04 | 1.06 | +/- | 0.15 | 0.43 | 08/26/04 | 0.67 | +/- | 0.14 | 0.43 | 09/26/04 | 0.48 | +/- | 0.14 | 0.44 |
| 07/27/04 | 0.64 | +/- | 0.14 | 0.44 | 08/27/04 | 1.51 | +/- | 0.15 | 0.43 | 09/27/04 | 0.59 | +/- | 0.14 | 0.44 |
| 07/28/04 | 0.67 | +/- | 0.14 | 0.44 | 08/28/04 | 0.85 | +/- | 0.14 | 0.43 | 09/28/04 | 0.41 | +/- | 0.14 | 0.44 |
| 07/29/04 | 0.62 | +/- | 0.14 | 0.44 | 08/29/04 | 0.77 | +/- | 0.14 | 0.43 | 09/29/04 | 0.58 | +/- | 0.14 | 0.44 |
| 07/30/04 | 0.65 | +/- | 0.14 | 0.44 | 08/30/04 | 0.69 | +/- | 0.14 | 0.43 | 09/30/04 | 0.41 | +/- | 0.14 | 0.44 |
| 07/31/04 | 0.68 | +/- | 0.14 | 0.44 | 08/31/04 | 0.95 | +/- | 0.14 | 0.43 | | | | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Location 122C

| Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments |
|-------------|-----------------------------|------------|------------|-----------------|-------------|-----------------------------|------------|------------|-----------------|-------------|-----------------------------|------------|------------|-----------------|
| 10/01/04 | 0.20 | +/- | 0.14 | 0.44 | 11/01/04 | 0.72 | +/- | 0.14 | 0.44 | 12/01/04 | 0.66 | +/- | 0.14 | 0.44 |
| 10/02/04 | 0.80 | +/- | 0.14 | 0.44 | 11/02/04 | 1.11 | +/- | 0.15 | 0.44 | 12/02/04 | 0.65 | +/- | 0.14 | 0.44 |
| 10/03/04 | 1.24 | +/- | 0.15 | 0.44 | 11/03/04 | 1.04 | +/- | 0.15 | 0.44 | 12/03/04 | 0.92 | +/- | 0.15 | 0.44 |
| 10/04/04 | 1.13 | +/- | 0.15 | 0.44 | 11/04/04 | 0.42 | +/- | 0.14 | 0.44 | 12/04/04 | 0.99 | +/- | 0.15 | 0.44 |
| 10/05/04 | 0.78 | +/- | 0.15 | 0.45 | 11/05/04 | 0.45 | +/- | 0.14 | 0.44 | 12/05/04 | 0.82 | +/- | 0.15 | 0.44 |
| 10/06/04 | 0.50 | +/- | 0.14 | 0.45 | 11/06/04 | 0.55 | +/- | 0.14 | 0.44 | 12/06/04 | 0.86 | +/- | 0.15 | 0.44 |
| 10/07/04 | 0.57 | +/- | 0.14 | 0.45 | 11/07/04 | 0.57 | +/- | 0.14 | 0.44 | 12/07/04 | 0.92 | +/- | 0.15 | 0.44 |
| 10/08/04 | 0.51 | +/- | 0.14 | 0.45 | 11/08/04 | 0.71 | +/- | 0.14 | 0.44 | 12/08/04 | 1.00 | +/- | 0.15 | 0.44 |
| 10/09/04 | 0.40 | +/- | 0.14 | 0.45 | 11/09/04 | 0.71 | +/- | 0.14 | 0.44 | 12/09/04 | 0.98 | +/- | 0.15 | 0.44 |
| 10/10/04 | 0.35 | +/- | 0.14 | 0.45 | 11/10/04 | 0.58 | +/- | 0.14 | 0.44 | 12/10/04 | 0.81 | +/- | 0.14 | 0.44 |
| 10/11/04 | 0.45 | +/- | 0.14 | 0.45 | 11/11/04 | 0.52 | +/- | 0.14 | 0.44 | 12/11/04 | 0.99 | +/- | 0.15 | 0.44 |
| 10/12/04 | 0.44 | +/- | 0.14 | 0.44 | 11/12/04 | 1.06 | +/- | 0.15 | 0.44 | 12/12/04 | 0.89 | +/- | 0.15 | 0.44 |
| 10/13/04 | 0.89 | +/- | 0.14 | 0.44 | 11/13/04 | 0.79 | +/- | 0.15 | 0.44 | 12/13/04 | 0.78 | +/- | 0.14 | 0.44 |
| 10/14/04 | 0.83 | +/- | 0.14 | 0.44 | 11/14/04 | 0.51 | +/- | 0.14 | 0.44 | 12/14/04 | 0.92 | +/- | 0.15 | 0.45 |
| 10/15/04 | 1.05 | +/- | 0.15 | 0.44 | 11/15/04 | 0.85 | +/- | 0.15 | 0.44 | 12/15/04 | 0.92 | +/- | 0.15 | 0.45 |
| 10/16/04 | 0.98 | +/- | 0.15 | 0.44 | 11/16/04 | 0.70 | +/- | 0.14 | 0.44 | 12/16/04 | 1.19 | +/- | 0.15 | 0.45 |
| 10/17/04 | 0.79 | +/- | 0.14 | 0.44 | 11/17/04 | 1.07 | +/- | 0.15 | 0.44 | 12/17/04 | 0.84 | +/- | 0.15 | 0.45 |
| 10/18/04 | 0.92 | +/- | 0.14 | 0.44 | 11/18/04 | 1.15 | +/- | 0.15 | 0.44 | 12/18/04 | 0.72 | +/- | 0.15 | 0.45 |
| 10/19/04 | 0.67 | +/- | 0.14 | 0.43 | 11/19/04 | 1.07 | +/- | 0.15 | 0.44 | 12/19/04 | 0.90 | +/- | 0.15 | 0.45 |
| 10/20/04 | 0.67 | +/- | 0.14 | 0.43 | 11/20/04 | 0.92 | +/- | 0.15 | 0.44 | 12/20/04 | 0.89 | +/- | 0.15 | 0.45 |
| 10/21/04 | 0.40 | +/- | 0.14 | 0.43 | 11/21/04 | 0.71 | +/- | 0.14 | 0.44 | 12/21/04 | 0.83 | +/- | 0.14 | 0.44 |
| 10/22/04 | 0.51 | +/- | 0.14 | 0.43 | 11/22/04 | 0.85 | +/- | 0.14 | 0.44 | 12/22/04 | 1.72 | +/- | 0.16 | 0.44 |
| 10/23/04 | 0.58 | +/- | 0.14 | 0.43 | 11/23/04 | 0.90 | +/- | 0.15 | 0.44 | 12/23/04 | 1.54 | +/- | 0.15 | 0.44 |
| 10/24/04 | 0.90 | +/- | 0.14 | 0.43 | 11/24/04 | 1.57 | +/- | 0.15 | 0.44 | 12/24/04 | 0.90 | +/- | 0.15 | 0.44 |
| 10/25/04 | 0.87 | +/- | 0.14 | 0.43 | 11/25/04 | 0.86 | +/- | 0.15 | 0.44 | 12/25/04 | 1.27 | +/- | 0.15 | 0.44 |
| 10/26/04 | 0.46 | +/- | 0.14 | 0.44 | 11/26/04 | 0.75 | +/- | 0.14 | 0.44 | 12/26/04 | 1.07 | +/- | 0.15 | 0.44 |
| 10/27/04 | 0.67 | +/- | 0.14 | 0.44 | 11/27/04 | 0.94 | +/- | 0.15 | 0.44 | 12/27/04 | 1.05 | +/- | 0.15 | 0.44 |
| 10/28/04 | 0.87 | +/- | 0.15 | 0.44 | 11/28/04 | 0.89 | +/- | 0.15 | 0.44 | 12/28/04 | 0.96 | +/- | 0.14 | 0.43 |
| 10/29/04 | 0.80 | +/- | 0.15 | 0.44 | 11/29/04 | 0.87 | +/- | 0.15 | 0.44 | 12/29/04 | 1.21 | +/- | 0.15 | 0.43 |
| 10/30/04 | 0.63 | +/- | 0.14 | 0.44 | 11/30/04 | 0.75 | +/- | 0.14 | 0.44 | 12/30/04 | 1.57 | +/- | 0.15 | 0.43 |
| 10/31/04 | 1.26 | +/- | 0.15 | 0.44 | | | | | | 12/31/04 | 1.29 | +/- | 0.15 | 0.43 |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Location 102D

| Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments |
|----------|----------------------|-----|------|-------------|----------|----------------------|-----|------|-------------|----------|----------------------|-----|------|----------------------|
| 01/01/04 | 1.04 | +/- | 0.14 | 0.42 | 02/01/04 | | | | Frozen line | 03/01/04 | 0.83 | +/- | 0.14 | 0.44 |
| 01/02/04 | 0.31 | +/- | 0.13 | 0.42 | 02/02/04 | 1.36 | +/- | 0.15 | 0.45 | 03/02/04 | 1.08 | +/- | 0.15 | 0.44 |
| 01/03/04 | 0.55 | +/- | 0.14 | 0.42 | 02/03/04 | 0.84 | +/- | 0.16 | 0.48 | 03/03/04 | 1.04 | +/- | 0.15 | 0.44 |
| 01/04/04 | 0.60 | +/- | 0.14 | 0.42 | 02/04/04 | 0.95 | +/- | 0.16 | 0.48 | 03/04/04 | 1.11 | +/- | 0.15 | 0.44 |
| 01/05/04 | 0.62 | +/- | 0.14 | 0.42 | 02/05/04 | 0.82 | +/- | 0.16 | 0.48 | 03/05/04 | 1.18 | +/- | 0.15 | 0.44 |
| 01/06/04 | 0.48 | +/- | 0.15 | 0.42 | 02/06/04 | 0.70 | +/- | 0.15 | 0.48 | 03/06/04 | 0.27 | +/- | 0.14 | 0.44 |
| 01/07/04 | 1.04 | +/- | 0.16 | 0.42 | 02/07/04 | 0.68 | +/- | 0.15 | 0.48 | 03/07/04 | | | | Sampler line washout |
| 01/08/04 | 1.11 | +/- | 0.16 | 0.42 | 02/08/04 | 0.94 | +/- | 0.16 | 0.48 | 03/08/04 | 0.79 | +/- | 0.14 | 0.44 |
| 01/09/04 | 0.98 | +/- | 0.16 | 0.42 | 02/09/04 | 1.06 | +/- | 0.16 | 0.48 | 03/09/04 | 0.93 | +/- | 0.15 | 0.44 |
| 01/10/04 | 0.69 | +/- | 0.15 | 0.42 | 02/10/04 | 0.77 | +/- | 0.15 | 0.45 | 03/10/04 | 1.14 | +/- | 0.15 | 0.44 |
| 01/11/04 | 0.97 | +/- | 0.16 | 0.42 | 02/11/04 | 0.73 | +/- | 0.15 | 0.45 | 03/11/04 | 0.87 | +/- | 0.14 | 0.44 |
| 01/12/04 | 0.73 | +/- | 0.15 | 0.42 | 02/12/04 | 0.97 | +/- | 0.15 | 0.45 | 03/12/04 | 1.10 | +/- | 0.15 | 0.44 |
| 01/13/04 | 1.23 | +/- | 0.16 | 0.42 | 02/13/04 | 0.82 | +/- | 0.15 | 0.45 | 03/13/04 | 1.01 | +/- | 0.15 | 0.44 |
| 01/14/04 | 0.93 | +/- | 0.15 | 0.42 | 02/14/04 | 0.93 | +/- | 0.15 | 0.45 | 03/14/04 | 1.11 | +/- | 0.15 | 0.44 |
| 01/15/04 | 0.84 | +/- | 0.15 | 0.42 | 02/15/04 | 1.10 | +/- | 0.15 | 0.45 | 03/15/04 | 1.72 | +/- | 0.16 | 0.44 |
| 01/16/04 | 1.22 | +/- | 0.16 | 0.42 | 02/16/04 | 1.18 | +/- | 0.15 | 0.45 | 03/16/04 | 1.54 | +/- | 0.16 | 0.45 |
| 01/17/04 | 0.93 | +/- | 0.15 | 0.42 | 02/17/04 | 0.94 | +/- | 0.15 | 0.45 | 03/17/04 | 2.09 | +/- | 0.16 | 0.45 |
| 01/18/04 | 1.26 | +/- | 0.16 | 0.42 | 02/18/04 | 0.94 | +/- | 0.15 | 0.45 | 03/18/04 | 1.14 | +/- | 0.15 | 0.45 |
| 01/19/04 | 1.09 | +/- | 0.16 | 0.42 | 02/19/04 | 0.84 | +/- | 0.15 | 0.45 | 03/19/04 | 1.97 | +/- | 0.16 | 0.45 |
| 01/20/04 | 0.63 | +/- | 0.15 | 0.46 | 02/20/04 | 1.01 | +/- | 0.15 | 0.45 | 03/20/04 | 1.37 | +/- | 0.15 | 0.45 |
| 01/21/04 | 0.70 | +/- | 0.15 | 0.46 | 02/21/04 | 1.76 | +/- | 0.16 | 0.45 | 03/21/04 | 1.73 | +/- | 0.16 | 0.45 |
| 01/22/04 | 0.82 | +/- | 0.15 | 0.46 | 02/22/04 | 0.68 | +/- | 0.15 | 0.45 | 03/22/04 | 1.31 | +/- | 0.15 | 0.45 |
| 01/23/04 | 0.88 | +/- | 0.15 | 0.46 | 02/23/04 | 0.81 | +/- | 0.15 | 0.45 | 03/23/04 | 1.13 | +/- | 0.15 | 0.45 |
| 01/24/04 | 1.00 | +/- | 0.15 | 0.46 | 02/24/04 | 1.18 | +/- | 0.15 | 0.44 | 03/24/04 | 1.00 | +/- | 0.15 | 0.45 |
| 01/25/04 | 1.22 | +/- | 0.16 | 0.46 | 02/25/04 | 1.10 | +/- | 0.15 | 0.44 | 03/25/04 | 1.30 | +/- | 0.15 | 0.45 |
| 01/26/04 | 0.85 | +/- | 0.15 | 0.46 | 02/26/04 | 1.26 | +/- | 0.15 | 0.44 | 03/26/04 | 1.59 | +/- | 0.16 | 0.45 |
| 01/27/04 | 1.22 | +/- | 0.15 | 0.45 | 02/27/04 | 1.37 | +/- | 0.15 | 0.44 | 03/27/04 | 0.92 | +/- | 0.15 | 0.45 |
| 01/28/04 | 0.98 | +/- | 0.15 | 0.45 | 02/28/04 | 1.10 | +/- | 0.15 | 0.44 | 03/28/04 | 2.49 | +/- | 0.17 | 0.45 |
| 01/29/04 | 1.04 | +/- | 0.15 | 0.45 | 02/29/04 | 1.05 | +/- | 0.15 | 0.44 | 03/29/04 | 1.32 | +/- | 0.15 | 0.45 |
| 01/30/04 | 1.05 | +/- | 0.15 | 0.45 | | | | | | 03/30/04 | 0.92 | +/- | 0.15 | 0.45 |
| 01/31/04 | | | | Frozen Line | | | | | | 03/31/04 | 1.25 | +/- | 0.15 | 0.45 |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Location 1O2D

| Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | |
|-------------|-----------------------------|------------|------------|-----------------|-------------|-----------------------------|------------|------------|-----------------|-------------|-----------------------------|------------|------------|-----------------|------|
| 04/01/04 | 1.37 | +/- | 0.15 | 0.45 | | 05/01/04 | 2.11 | +/- | 0.16 | 0.45 | 06/01/04 | 0.36 | +/- | 0.14 | 0.46 |
| 04/02/04 | 1.62 | +/- | 0.16 | 0.45 | | 05/02/04 | 1.00 | +/- | 0.15 | 0.45 | 06/02/04 | 0.63 | +/- | 0.15 | 0.46 |
| 04/03/04 | 1.29 | +/- | 0.15 | 0.45 | | 05/03/04 | 0.80 | +/- | 0.15 | 0.45 | 06/03/04 | 0.37 | +/- | 0.14 | 0.46 |
| 04/04/04 | 1.07 | +/- | 0.15 | 0.45 | | 05/04/04 | 0.76 | +/- | 0.15 | 0.45 | 06/04/04 | 0.47 | +/- | 0.15 | 0.46 |
| 04/05/04 | 1.31 | +/- | 0.15 | 0.45 | | 05/05/04 | 1.29 | +/- | 0.15 | 0.45 | 06/05/04 | 0.83 | +/- | 0.15 | 0.46 |
| 04/06/04 | 1.01 | +/- | 0.15 | 0.46 | | 05/06/04 | 1.08 | +/- | 0.15 | 0.45 | 06/06/04 | 0.43 | +/- | 0.15 | 0.46 |
| 04/07/04 | 1.11 | +/- | 0.15 | 0.46 | | 05/07/04 | 0.90 | +/- | 0.15 | 0.45 | 06/07/04 | 0.42 | +/- | 0.15 | 0.46 |
| 04/08/04 | 1.00 | +/- | 0.15 | 0.46 | | 05/08/04 | 0.88 | +/- | 0.15 | 0.45 | 06/08/04 | 0.45 | +/- | 0.14 | 0.44 |
| 04/09/04 | 1.14 | +/- | 0.15 | 0.46 | | 05/09/04 | 0.72 | +/- | 0.15 | 0.45 | 06/09/04 | 0.49 | +/- | 0.14 | 0.44 |
| 04/10/04 | 0.85 | +/- | 0.15 | 0.46 | | 05/10/04 | 1.04 | +/- | 0.15 | 0.45 | 06/10/04 | 0.85 | +/- | 0.15 | 0.44 |
| 04/11/04 | 1.12 | +/- | 0.15 | 0.46 | | 05/11/04 | 1.60 | +/- | 0.16 | 0.45 | 06/11/04 | 0.28 | +/- | 0.14 | 0.44 |
| 04/12/04 | 0.91 | +/- | 0.15 | 0.46 | | 05/12/04 | 1.20 | +/- | 0.15 | 0.45 | 06/12/04 | 0.89 | +/- | 0.15 | 0.44 |
| 04/13/04 | 1.17 | +/- | 0.15 | 0.44 | | 05/13/04 | 0.87 | +/- | 0.15 | 0.45 | 06/13/04 | 0.54 | +/- | 0.14 | 0.44 |
| 04/14/04 | 1.02 | +/- | 0.15 | 0.44 | | 05/14/04 | 0.58 | +/- | 0.14 | 0.45 | 06/14/04 | 0.54 | +/- | 0.14 | 0.44 |
| 04/15/04 | 1.15 | +/- | 0.15 | 0.44 | | 05/15/04 | 0.68 | +/- | 0.15 | 0.45 | 06/15/04 | 0.69 | +/- | 0.14 | 0.44 |
| 04/16/04 | 1.44 | +/- | 0.15 | 0.44 | | 05/16/04 | 1.78 | +/- | 0.16 | 0.45 | 06/16/04 | 0.86 | +/- | 0.15 | 0.44 |
| 04/17/04 | 1.37 | +/- | 0.15 | 0.44 | | 05/17/04 | 1.45 | +/- | 0.16 | 0.45 | 06/17/04 | 0.51 | +/- | 0.14 | 0.44 |
| 04/18/04 | 1.19 | +/- | 0.15 | 0.44 | | 05/18/04 | 1.68 | +/- | 0.16 | 0.46 | 06/18/04 | 0.44 | +/- | 0.14 | 0.44 |
| 04/19/04 | 1.27 | +/- | 0.15 | 0.44 | | 05/19/04 | 0.96 | +/- | 0.15 | 0.46 | 06/19/04 | 0.56 | +/- | 0.14 | 0.44 |
| 04/20/04 | 1.30 | +/- | 0.15 | 0.45 | | 05/20/04 | 1.98 | +/- | 0.16 | 0.46 | 06/20/04 | 1.24 | +/- | 0.15 | 0.44 |
| 04/21/04 | 1.59 | +/- | 0.16 | 0.45 | | 05/21/04 | 1.06 | +/- | 0.15 | 0.46 | 06/21/04 | 0.70 | +/- | 0.14 | 0.44 |
| 04/22/04 | 1.65 | +/- | 0.16 | 0.45 | | 05/22/04 | 1.18 | +/- | 0.15 | 0.46 | 06/22/04 | 0.59 | +/- | 0.14 | 0.43 |
| 04/23/04 | 0.76 | +/- | 0.15 | 0.45 | | 05/23/04 | 0.94 | +/- | 0.15 | 0.46 | 06/23/04 | 0.54 | +/- | 0.14 | 0.43 |
| 04/24/04 | 0.99 | +/- | 0.15 | 0.45 | | 05/24/04 | 1.08 | +/- | 0.15 | 0.46 | 06/24/04 | 0.77 | +/- | 0.14 | 0.43 |
| 04/25/04 | 1.18 | +/- | 0.15 | 0.45 | | 05/25/04 | 1.06 | +/- | 0.15 | 0.44 | 06/25/04 | 1.24 | +/- | 0.15 | 0.43 |
| 04/26/04 | 1.38 | +/- | 0.15 | 0.45 | | 05/26/04 | 0.78 | +/- | 0.15 | 0.44 | 06/26/04 | 0.70 | +/- | 0.14 | 0.43 |
| 04/27/04 | 1.33 | +/- | 0.15 | 0.45 | | 05/27/04 | 1.34 | +/- | 0.15 | 0.44 | 06/27/04 | 0.79 | +/- | 0.14 | 0.43 |
| 04/28/04 | 0.88 | +/- | 0.15 | 0.45 | | 05/28/04 | 1.04 | +/- | 0.15 | 0.44 | 06/28/04 | 1.13 | +/- | 0.15 | 0.43 |
| 04/29/04 | 0.87 | +/- | 0.15 | 0.45 | | 05/29/04 | 0.78 | +/- | 0.15 | 0.44 | 06/29/04 | 0.88 | +/- | 0.15 | 0.44 |
| 04/30/04 | 0.95 | +/- | 0.15 | 0.45 | | 05/30/04 | 1.13 | +/- | 0.15 | 0.44 | 06/30/04 | 0.41 | +/- | 0.14 | 0.44 |
| | | | | | | 05/31/04 | 0.59 | +/- | 0.14 | 0.44 | | | | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Location 102D

| Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | |
|----------|----------------------|-----|------|----------|------|----------------------|------|-----|----------|------|----------------------|------|-----|----------|------|
| 07/01/04 | 0.48 | +/- | 0.14 | 0.44 | | 08/01/04 | 0.57 | +/- | 0.14 | 0.44 | 09/01/04 | 0.40 | +/- | 0.14 | 0.43 |
| 07/02/04 | 0.51 | +/- | 0.14 | 0.44 | | 08/02/04 | 0.43 | +/- | 0.14 | 0.44 | 09/02/04 | 0.25 | +/- | 0.13 | 0.43 |
| 07/03/04 | 0.37 | +/- | 0.14 | 0.44 | | 08/03/04 | 0.57 | +/- | 0.14 | 0.43 | 09/03/04 | 0.59 | +/- | 0.14 | 0.43 |
| 07/04/04 | 1.15 | +/- | 0.15 | 0.44 | | 08/04/04 | 0.45 | +/- | 0.14 | 0.43 | 09/04/04 | 0.82 | +/- | 0.14 | 0.43 |
| 07/05/04 | 0.94 | +/- | 0.15 | 0.44 | | 08/05/04 | 0.33 | +/- | 0.14 | 0.43 | 09/05/04 | 0.44 | +/- | 0.14 | 0.43 |
| 07/06/04 | 1.19 | +/- | 0.16 | 0.46 | | 08/06/04 | 0.19 | +/- | 0.13 | 0.43 | 09/06/04 | 0.62 | +/- | 0.14 | 0.43 |
| 07/07/04 | 0.38 | +/- | 0.14 | 0.46 | | 08/07/04 | 0.42 | +/- | 0.14 | 0.43 | 09/07/04 | 0.32 | +/- | 0.14 | 0.43 |
| 07/08/04 | 0.55 | +/- | 0.15 | 0.46 | | 08/08/04 | 0.27 | +/- | 0.13 | 0.43 | 09/08/04 | 0.22 | +/- | 0.13 | 0.43 |
| 07/09/04 | 0.37 | +/- | 0.14 | 0.46 | | 08/09/04 | 0.30 | +/- | 0.13 | 0.43 | 09/09/04 | 0.23 | +/- | 0.13 | 0.43 |
| 07/10/04 | 0.48 | +/- | 0.15 | 0.46 | | 08/10/04 | 0.22 | +/- | 0.13 | 0.43 | 09/10/04 | 0.37 | +/- | 0.14 | 0.43 |
| 07/11/04 | 0.36 | +/- | 0.14 | 0.46 | | 08/11/04 | 0.38 | +/- | 0.14 | 0.43 | 09/11/04 | 0.44 | +/- | 0.14 | 0.43 |
| 07/12/04 | 0.57 | +/- | 0.15 | 0.46 | | 08/12/04 | 0.90 | +/- | 0.14 | 0.43 | 09/12/04 | 0.14 | +/- | 0.13 | 0.43 |
| 07/13/04 | 0.37 | +/- | 0.14 | 0.45 | | 08/13/04 | 1.01 | +/- | 0.15 | 0.43 | 09/13/04 | 0.36 | +/- | 0.14 | 0.43 |
| 07/14/04 | 0.68 | +/- | 0.14 | 0.45 | | 08/14/04 | 0.89 | +/- | 0.14 | 0.43 | 09/14/04 | 0.33 | +/- | 0.14 | 0.43 |
| 07/15/04 | 0.47 | +/- | 0.14 | 0.45 | | 08/15/04 | 0.33 | +/- | 0.14 | 0.43 | 09/15/04 | 0.27 | +/- | 0.13 | 0.43 |
| 07/16/04 | 0.22 | +/- | 0.14 | 0.45 | | 08/16/04 | 0.36 | +/- | 0.14 | 0.43 | 09/16/04 | 0.11 | +/- | 0.13 | 0.43 |
| 07/17/04 | 0.27 | +/- | 0.14 | 0.45 | | 08/17/04 | 0.35 | +/- | 0.14 | 0.44 | 09/17/04 | 0.23 | +/- | 0.13 | 0.43 |
| 07/18/04 | 1.13 | +/- | 0.15 | 0.45 | | 08/18/04 | 0.35 | +/- | 0.14 | 0.44 | 09/18/04 | 0.28 | +/- | 0.13 | 0.43 |
| 07/19/04 | 0.63 | +/- | 0.14 | 0.45 | | 08/19/04 | 0.21 | +/- | 0.14 | 0.44 | 09/19/04 | 0.48 | +/- | 0.14 | 0.43 |
| 07/20/04 | 0.60 | +/- | 0.14 | 0.43 | | 08/20/04 | 0.19 | +/- | 0.14 | 0.44 | 09/20/04 | 0.54 | +/- | 0.14 | 0.43 |
| 07/21/04 | 0.51 | +/- | 0.14 | 0.43 | | 08/21/04 | 0.01 | +/- | 0.13 | 0.44 | 09/21/04 | 0.36 | +/- | 0.14 | 0.44 |
| 07/22/04 | 0.50 | +/- | 0.14 | 0.43 | | 08/22/04 | 0.23 | +/- | 0.14 | 0.44 | 09/22/04 | 0.26 | +/- | 0.14 | 0.44 |
| 07/23/04 | 0.57 | +/- | 0.14 | 0.43 | | 08/23/04 | 0.21 | +/- | 0.14 | 0.44 | 09/23/04 | 0.31 | +/- | 0.14 | 0.44 |
| 07/24/04 | 0.51 | +/- | 0.14 | 0.43 | | 08/24/04 | 0.40 | +/- | 0.13 | 0.43 | 09/24/04 | 0.39 | +/- | 0.14 | 0.44 |
| 07/25/04 | 0.58 | +/- | 0.14 | 0.43 | | 08/25/04 | 0.42 | +/- | 0.14 | 0.43 | 09/25/04 | 0.61 | +/- | 0.14 | 0.44 |
| 07/26/04 | 0.49 | +/- | 0.14 | 0.43 | | 08/26/04 | 0.44 | +/- | 0.14 | 0.43 | 09/26/04 | 0.41 | +/- | 0.14 | 0.44 |
| 07/27/04 | 1.06 | +/- | 0.15 | 0.44 | | 08/27/04 | 1.20 | +/- | 0.15 | 0.43 | 09/27/04 | 0.37 | +/- | 0.14 | 0.44 |
| 07/28/04 | 0.53 | +/- | 0.14 | 0.44 | | 08/28/04 | 0.92 | +/- | 0.14 | 0.43 | 09/28/04 | 0.43 | +/- | 0.14 | 0.44 |
| 07/29/04 | 0.57 | +/- | 0.14 | 0.44 | | 08/29/04 | 0.61 | +/- | 0.14 | 0.43 | 09/29/04 | 0.41 | +/- | 0.14 | 0.44 |
| 07/30/04 | 0.30 | +/- | 0.14 | 0.44 | | 08/30/04 | 0.45 | +/- | 0.14 | 0.43 | 09/30/04 | 0.27 | +/- | 0.14 | 0.44 |
| 07/31/04 | 0.24 | +/- | 0.14 | 0.44 | | 08/31/04 | 0.44 | +/- | 0.14 | 0.43 | | | | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Location 102D

| Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments |
|-------------|-----------------------------|------------|------------|-----------------|-------------|-----------------------------|------------|------------|-----------------|-------------|-----------------------------|------------|------------|-----------------|
| 10/01/04 | 0.30 | +/- | 0.14 | 0.44 | 11/01/04 | 0.72 | +/- | 0.14 | 0.44 | 12/01/04 | 0.42 | +/- | 0.14 | 0.44 |
| 10/02/04 | 0.29 | +/- | 0.14 | 0.44 | 11/02/04 | 0.75 | +/- | 0.14 | 0.44 | 12/02/04 | 0.53 | +/- | 0.14 | 0.44 |
| 10/03/04 | 0.82 | +/- | 0.15 | 0.44 | 11/03/04 | 0.62 | +/- | 0.14 | 0.44 | 12/03/04 | 0.61 | +/- | 0.14 | 0.44 |
| 10/04/04 | 0.77 | +/- | 0.15 | 0.44 | 11/04/04 | 0.39 | +/- | 0.14 | 0.44 | 12/04/04 | 0.55 | +/- | 0.14 | 0.44 |
| 10/05/04 | 0.57 | +/- | 0.14 | 0.45 | 11/05/04 | 0.51 | +/- | 0.14 | 0.44 | 12/05/04 | 0.77 | +/- | 0.15 | 0.44 |
| 10/06/04 | 0.39 | +/- | 0.14 | 0.45 | 11/06/04 | 0.41 | +/- | 0.14 | 0.44 | 12/06/04 | 0.69 | +/- | 0.14 | 0.44 |
| 10/07/04 | 0.43 | +/- | 0.14 | 0.45 | 11/07/04 | 0.52 | +/- | 0.14 | 0.44 | 12/07/04 | 0.75 | +/- | 0.14 | 0.44 |
| 10/08/04 | 0.47 | +/- | 0.14 | 0.45 | 11/08/04 | 0.45 | +/- | 0.14 | 0.44 | 12/08/04 | 0.88 | +/- | 0.15 | 0.44 |
| 10/09/04 | 0.41 | +/- | 0.14 | 0.45 | 11/09/04 | 0.42 | +/- | 0.14 | 0.44 | 12/09/04 | 0.54 | +/- | 0.14 | 0.44 |
| 10/10/04 | 0.25 | +/- | 0.14 | 0.45 | 11/10/04 | 0.56 | +/- | 0.14 | 0.44 | 12/10/04 | 0.72 | +/- | 0.14 | 0.44 |
| 10/11/04 | 0.33 | +/- | 0.14 | 0.45 | 11/11/04 | 0.40 | +/- | 0.14 | 0.44 | 12/11/04 | 0.88 | +/- | 0.15 | 0.44 |
| 10/12/04 | 0.38 | +/- | 0.14 | 0.44 | 11/12/04 | 0.40 | +/- | 0.14 | 0.44 | 12/12/04 | 0.67 | +/- | 0.14 | 0.44 |
| 10/13/04 | 0.59 | +/- | 0.14 | 0.44 | 11/13/04 | 0.72 | +/- | 0.14 | 0.44 | 12/13/04 | 0.65 | +/- | 0.14 | 0.44 |
| 10/14/04 | 0.79 | +/- | 0.14 | 0.44 | 11/14/04 | 0.56 | +/- | 0.14 | 0.44 | 12/14/04 | 0.47 | +/- | 0.14 | 0.45 |
| 10/15/04 | 0.57 | +/- | 0.14 | 0.44 | 11/15/04 | 0.59 | +/- | 0.14 | 0.44 | 12/15/04 | 0.47 | +/- | 0.14 | 0.45 |
| 10/16/04 | 0.86 | +/- | 0.14 | 0.44 | 11/16/04 | 0.74 | +/- | 0.14 | 0.44 | 12/16/04 | 0.53 | +/- | 0.14 | 0.45 |
| 10/17/04 | 0.62 | +/- | 0.14 | 0.44 | 11/17/04 | 0.72 | +/- | 0.14 | 0.44 | 12/17/04 | 0.45 | +/- | 0.14 | 0.45 |
| 10/18/04 | 0.49 | +/- | 0.14 | 0.44 | 11/18/04 | 0.65 | +/- | 0.14 | 0.44 | 12/18/04 | 0.43 | +/- | 0.14 | 0.45 |
| 10/19/04 | 0.52 | +/- | 0.14 | 0.43 | 11/19/04 | 0.92 | +/- | 0.15 | 0.44 | 12/19/04 | 0.65 | +/- | 0.15 | 0.45 |
| 10/20/04 | 0.60 | +/- | 0.14 | 0.43 | 11/20/04 | 0.64 | +/- | 0.14 | 0.44 | 12/20/04 | 0.46 | +/- | 0.14 | 0.45 |
| 10/21/04 | 0.48 | +/- | 0.14 | 0.43 | 11/21/04 | 0.68 | +/- | 0.14 | 0.44 | 12/21/04 | 0.63 | +/- | 0.14 | 0.44 |
| 10/22/04 | 0.52 | +/- | 0.14 | 0.43 | 11/22/04 | 0.73 | +/- | 0.14 | 0.44 | 12/22/04 | 1.20 | +/- | 0.15 | 0.44 |
| 10/23/04 | 0.59 | +/- | 0.14 | 0.43 | 11/23/04 | 0.94 | +/- | 0.15 | 0.44 | 12/23/04 | 0.92 | +/- | 0.15 | 0.44 |
| 10/24/04 | 0.66 | +/- | 0.14 | 0.43 | 11/24/04 | 0.83 | +/- | 0.14 | 0.44 | 12/24/04 | 0.86 | +/- | 0.14 | 0.44 |
| 10/25/04 | 0.69 | +/- | 0.14 | 0.43 | 11/25/04 | 0.64 | +/- | 0.14 | 0.44 | 12/25/04 | 0.82 | +/- | 0.14 | 0.44 |
| 10/26/04 | 0.42 | +/- | 0.14 | 0.44 | 11/26/04 | 0.53 | +/- | 0.14 | 0.44 | 12/26/04 | 0.91 | +/- | 0.15 | 0.44 |
| 10/27/04 | 0.32 | +/- | 0.14 | 0.44 | 11/27/04 | 0.70 | +/- | 0.14 | 0.44 | 12/27/04 | 0.90 | +/- | 0.15 | 0.44 |
| 10/28/04 | 0.88 | +/- | 0.15 | 0.44 | 11/28/04 | 0.83 | +/- | 0.14 | 0.44 | 12/28/04 | 0.77 | +/- | 0.14 | 0.43 |
| 10/29/04 | 0.63 | +/- | 0.14 | 0.44 | 11/29/04 | 0.67 | +/- | 0.14 | 0.44 | 12/29/04 | 0.73 | +/- | 0.14 | 0.43 |
| 10/30/04 | 0.35 | +/- | 0.14 | 0.44 | 11/30/04 | 0.47 | +/- | 0.14 | 0.44 | 12/30/04 | 1.18 | +/- | 0.15 | 0.43 |
| 10/31/04 | 0.54 | +/- | 0.14 | 0.44 | | | | | | 12/31/04 | 1.00 | +/- | 0.14 | 0.43 |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Location 103E

| Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | |
|----------|----------------------|-----|------|----------|------|----------------------|------|-----|----------|------|----------------------|------|-----|----------|----------------------|
| 01/01/04 | 0.69 | +/- | 0.15 | 0.47 | | 02/01/04 | 0.90 | +/- | 0.15 | 0.46 | 03/01/04 | 0.75 | +/- | 0.15 | 0.45 |
| 01/02/04 | 0.46 | +/- | 0.15 | 0.47 | | 02/02/04 | 0.81 | +/- | 0.15 | 0.46 | 03/02/04 | 1.63 | +/- | 0.16 | 0.45 |
| 01/03/04 | 0.42 | +/- | 0.15 | 0.47 | | 02/03/04 | 0.88 | +/- | 0.15 | 0.46 | 03/03/04 | 1.45 | +/- | 0.15 | 0.44 |
| 01/04/04 | 0.37 | +/- | 0.15 | 0.47 | | 02/04/04 | 1.04 | +/- | 0.15 | 0.46 | 03/04/04 | 1.21 | +/- | 0.15 | 0.44 |
| 01/05/04 | 0.52 | +/- | 0.15 | 0.47 | | 02/05/04 | 1.25 | +/- | 0.16 | 0.46 | 03/05/04 | 1.23 | +/- | 0.15 | 0.44 |
| 01/06/04 | 0.59 | +/- | 0.15 | 0.47 | | 02/06/04 | 0.60 | +/- | 0.15 | 0.46 | 03/06/04 | 0.63 | +/- | 0.14 | 0.44 |
| 01/07/04 | 0.48 | +/- | 0.15 | 0.47 | | 02/07/04 | 0.72 | +/- | 0.15 | 0.46 | 03/07/04 | | | | Sampler line washout |
| 01/08/04 | 0.47 | +/- | 0.15 | 0.47 | | 02/08/04 | 0.87 | +/- | 0.15 | 0.46 | 03/08/04 | 0.78 | +/- | 0.14 | 0.44 |
| 01/09/04 | 0.53 | +/- | 0.15 | 0.47 | | 02/09/04 | 0.68 | +/- | 0.15 | 0.46 | 03/09/04 | 0.50 | +/- | 0.14 | 0.44 |
| 01/10/04 | 0.56 | +/- | 0.15 | 0.47 | | 02/10/04 | 0.98 | +/- | 0.15 | 0.46 | 03/10/04 | 0.89 | +/- | 0.15 | 0.45 |
| 01/11/04 | 0.69 | +/- | 0.15 | 0.47 | | 02/11/04 | 0.69 | +/- | 0.15 | 0.45 | 03/11/04 | 0.92 | +/- | 0.15 | 0.45 |
| 01/12/04 | 0.57 | +/- | 0.15 | 0.47 | | 02/12/04 | 0.58 | +/- | 0.14 | 0.45 | 03/12/04 | 0.81 | +/- | 0.15 | 0.45 |
| 01/13/04 | 0.87 | +/- | 0.15 | 0.47 | | 02/13/04 | 0.73 | +/- | 0.15 | 0.45 | 03/13/04 | 0.85 | +/- | 0.15 | 0.45 |
| 01/14/04 | 0.69 | +/- | 0.15 | 0.42 | | 02/14/04 | 0.91 | +/- | 0.15 | 0.45 | 03/14/04 | 0.84 | +/- | 0.15 | 0.45 |
| 01/15/04 | 0.75 | +/- | 0.15 | 0.42 | | 02/15/04 | 0.63 | +/- | 0.15 | 0.45 | 03/15/04 | 0.63 | +/- | 0.15 | 0.45 |
| 01/16/04 | 0.76 | +/- | 0.15 | 0.42 | | 02/16/04 | 0.52 | +/- | 0.14 | 0.45 | 03/16/04 | 0.77 | +/- | 0.15 | 0.45 |
| 01/17/04 | 0.73 | +/- | 0.15 | 0.42 | | 02/17/04 | 0.70 | +/- | 0.15 | 0.45 | 03/17/04 | 1.10 | +/- | 0.15 | 0.44 |
| 01/18/04 | 0.73 | +/- | 0.15 | 0.42 | | 02/18/04 | 0.05 | +/- | 0.15 | 0.51 | 03/18/04 | 1.09 | +/- | 0.15 | 0.44 |
| 01/19/04 | 0.91 | +/- | 0.15 | 0.42 | | 02/19/04 | 0.27 | +/- | 0.16 | 0.51 | 03/19/04 | 1.07 | +/- | 0.15 | 0.44 |
| 01/20/04 | 1.11 | +/- | 0.15 | 0.42 | | 02/20/04 | 0.20 | +/- | 0.16 | 0.51 | 03/20/04 | 0.93 | +/- | 0.15 | 0.44 |
| 01/21/04 | 0.75 | +/- | 0.15 | 0.45 | | 02/21/04 | 0.21 | +/- | 0.16 | 0.51 | 03/21/04 | 1.01 | +/- | 0.15 | 0.44 |
| 01/22/04 | 0.72 | +/- | 0.15 | 0.45 | | 02/22/04 | 0.00 | +/- | 0.15 | 0.51 | 03/22/04 | 1.05 | +/- | 0.15 | 0.44 |
| 01/23/04 | 0.61 | +/- | 0.14 | 0.45 | | 02/23/04 | 0.11 | +/- | 0.15 | 0.51 | 03/23/04 | 1.17 | +/- | 0.15 | 0.44 |
| 01/24/04 | 0.71 | +/- | 0.15 | 0.45 | | 02/24/04 | 0.18 | +/- | 0.16 | 0.51 | 03/24/04 | 1.06 | +/- | 0.15 | 0.45 |
| 01/25/04 | 0.95 | +/- | 0.15 | 0.45 | | 02/25/04 | 0.60 | +/- | 0.15 | 0.45 | 03/25/04 | 0.86 | +/- | 0.15 | 0.45 |
| 01/26/04 | 1.41 | +/- | 0.15 | 0.45 | | 02/26/04 | 0.75 | +/- | 0.15 | 0.45 | 03/26/04 | 1.11 | +/- | 0.15 | 0.45 |
| 01/27/04 | 1.24 | +/- | 0.15 | 0.45 | | 02/27/04 | 0.61 | +/- | 0.15 | 0.45 | 03/27/04 | 1.28 | +/- | 0.15 | 0.45 |
| 01/28/04 | 0.88 | +/- | 0.15 | 0.46 | | 02/28/04 | 0.59 | +/- | 0.15 | 0.45 | 03/28/04 | 1.09 | +/- | 0.15 | 0.45 |
| 01/29/04 | 1.14 | +/- | 0.15 | 0.46 | | 02/29/04 | 0.47 | +/- | 0.14 | 0.45 | 03/29/04 | 1.14 | +/- | 0.15 | 0.45 |
| 01/30/04 | 0.85 | +/- | 0.15 | 0.46 | | | | | | | 03/30/04 | 1.48 | +/- | 0.16 | 0.45 |
| 01/31/04 | 0.91 | +/- | 0.15 | 0.46 | | | | | | | 03/31/04 | 1.55 | +/- | 0.16 | 0.45 |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Location 103E

| Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments |
|----------|----------------------|-----|------|----------|----------|----------------------|-----|------|----------|----------|----------------------|-----|------|----------|
| 04/01/04 | 1.32 | +/- | 0.16 | 0.45 | 05/01/04 | 1.08 | +/- | 0.15 | 0.45 | 06/01/04 | 0.79 | +/- | 0.15 | 0.45 |
| 04/02/04 | 1.73 | +/- | 0.16 | 0.45 | 05/02/04 | 1.73 | +/- | 0.16 | 0.45 | 06/02/04 | 0.80 | +/- | 0.15 | 0.44 |
| 04/03/04 | 1.37 | +/- | 0.16 | 0.45 | 05/03/04 | 1.19 | +/- | 0.15 | 0.45 | 06/03/04 | 0.69 | +/- | 0.14 | 0.44 |
| 04/04/04 | 1.18 | +/- | 0.15 | 0.45 | 05/04/04 | 0.88 | +/- | 0.15 | 0.45 | 06/04/04 | 0.75 | +/- | 0.14 | 0.44 |
| 04/05/04 | 1.12 | +/- | 0.15 | 0.45 | 05/05/04 | 0.93 | +/- | 0.15 | 0.44 | 06/05/04 | 0.67 | +/- | 0.14 | 0.44 |
| 04/06/04 | 1.51 | +/- | 0.16 | 0.45 | 05/06/04 | 0.91 | +/- | 0.15 | 0.44 | 06/06/04 | 0.69 | +/- | 0.14 | 0.44 |
| 04/07/04 | 8.86 | +/- | 0.23 | 0.45 | 05/07/04 | 0.80 | +/- | 0.15 | 0.44 | 06/07/04 | 0.83 | +/- | 0.15 | 0.44 |
| 04/08/04 | 9.26 | +/- | 0.23 | 0.45 | 05/08/04 | 0.71 | +/- | 0.14 | 0.44 | 06/08/04 | 0.60 | +/- | 0.14 | 0.44 |
| 04/09/04 | 9.38 | +/- | 0.23 | 0.45 | 05/09/04 | 0.83 | +/- | 0.15 | 0.44 | 06/09/04 | 0.67 | +/- | 0.14 | 0.44 |
| 04/10/04 | 9.90 | +/- | 0.24 | 0.45 | 05/10/04 | 1.07 | +/- | 0.15 | 0.44 | 06/10/04 | 0.62 | +/- | 0.14 | 0.44 |
| 04/11/04 | 8.58 | +/- | 0.23 | 0.45 | 05/11/04 | 1.16 | +/- | 0.15 | 0.44 | 06/11/04 | 0.40 | +/- | 0.14 | 0.44 |
| 04/12/04 | 8.78 | +/- | 0.23 | 0.45 | 05/12/04 | 0.77 | +/- | 0.15 | 0.44 | 06/12/04 | 0.93 | +/- | 0.15 | 0.44 |
| 04/13/04 | 3.46 | +/- | 0.18 | 0.45 | 05/13/04 | 0.75 | +/- | 0.14 | 0.44 | 06/13/04 | 1.00 | +/- | 0.15 | 0.44 |
| 04/14/04 | 1.58 | +/- | 0.16 | 0.45 | 05/14/04 | 0.78 | +/- | 0.15 | 0.44 | 06/14/04 | 0.85 | +/- | 0.15 | 0.44 |
| 04/15/04 | 1.30 | +/- | 0.15 | 0.45 | 05/15/04 | 0.90 | +/- | 0.15 | 0.44 | 06/15/04 | 0.82 | +/- | 0.15 | 0.44 |
| 04/16/04 | 1.27 | +/- | 0.15 | 0.45 | 05/16/04 | 0.92 | +/- | 0.15 | 0.44 | 06/16/04 | 0.81 | +/- | 0.14 | 0.43 |
| 04/17/04 | 1.30 | +/- | 0.15 | 0.45 | 05/17/04 | 0.81 | +/- | 0.15 | 0.44 | 06/17/04 | 0.65 | +/- | 0.14 | 0.43 |
| 04/18/04 | 1.12 | +/- | 0.15 | 0.45 | 05/18/04 | 0.59 | +/- | 0.14 | 0.44 | 06/18/04 | 0.50 | +/- | 0.14 | 0.43 |
| 04/19/04 | 1.21 | +/- | 0.15 | 0.45 | 05/19/04 | 3.52 | +/- | 0.18 | 0.46 | 06/19/04 | 0.67 | +/- | 0.14 | 0.43 |
| 04/20/04 | 1.15 | +/- | 0.15 | 0.45 | 05/20/04 | 4.18 | +/- | 0.19 | 0.46 | 06/20/04 | 0.50 | +/- | 0.14 | 0.43 |
| 04/21/04 | 1.40 | +/- | 0.15 | 0.44 | 05/21/04 | 7.33 | +/- | 0.22 | 0.46 | 06/21/04 | 0.70 | +/- | 0.14 | 0.43 |
| 04/22/04 | 1.91 | +/- | 0.16 | 0.44 | 05/22/04 | 4.12 | +/- | 0.19 | 0.46 | 06/22/04 | 0.53 | +/- | 0.14 | 0.43 |
| 04/23/04 | 1.71 | +/- | 0.16 | 0.44 | 05/23/04 | 3.62 | +/- | 0.19 | 0.46 | 06/23/04 | 0.56 | +/- | 0.14 | 0.44 |
| 04/24/04 | 1.60 | +/- | 0.16 | 0.44 | 05/24/04 | 3.37 | +/- | 0.18 | 0.46 | 06/24/04 | 0.55 | +/- | 0.14 | 0.44 |
| 04/25/04 | 1.77 | +/- | 0.16 | 0.44 | 05/25/04 | 5.12 | +/- | 0.20 | 0.46 | 06/25/04 | 0.53 | +/- | 0.14 | 0.44 |
| 04/26/04 | 1.49 | +/- | 0.15 | 0.44 | 05/26/04 | 0.63 | +/- | 0.15 | 0.45 | 06/26/04 | 0.47 | +/- | 0.14 | 0.44 |
| 04/27/04 | 1.19 | +/- | 0.15 | 0.44 | 05/27/04 | 1.07 | +/- | 0.15 | 0.45 | 06/27/04 | 0.44 | +/- | 0.14 | 0.44 |
| 04/28/04 | 1.05 | +/- | 0.15 | 0.45 | 05/28/04 | 0.84 | +/- | 0.15 | 0.45 | 06/28/04 | 0.42 | +/- | 0.14 | 0.44 |
| 04/29/04 | 0.93 | +/- | 0.15 | 0.45 | 05/29/04 | 0.56 | +/- | 0.15 | 0.45 | 06/29/04 | 0.40 | +/- | 0.14 | 0.44 |
| 04/30/04 | 1.00 | +/- | 0.15 | 0.45 | 05/30/04 | 0.62 | +/- | 0.15 | 0.45 | 06/30/04 | 0.36 | +/- | 0.14 | 0.44 |
| | | | | | 05/31/04 | 0.71 | +/- | 0.15 | 0.45 | | | | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Location 103E

| Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments |
|----------|----------------------|-----|------|----------|----------|----------------------|-----|------|----------|----------|----------------------|-----|------|----------|
| 07/01/04 | 0.47 | +/- | 0.14 | 0.44 | 08/01/04 | 0.75 | +/- | 0.14 | 0.44 | 09/01/04 | 0.32 | +/- | 0.14 | 0.44 |
| 07/02/04 | 0.36 | +/- | 0.14 | 0.44 | 08/02/04 | 0.46 | +/- | 0.14 | 0.44 | 09/02/04 | 0.25 | +/- | 0.14 | 0.44 |
| 07/03/04 | 0.47 | +/- | 0.14 | 0.44 | 08/03/04 | 0.37 | +/- | 0.14 | 0.44 | 09/03/04 | 0.31 | +/- | 0.14 | 0.44 |
| 07/04/04 | 0.29 | +/- | 0.14 | 0.44 | 08/04/04 | 0.44 | +/- | 0.14 | 0.43 | 09/04/04 | 0.45 | +/- | 0.14 | 0.44 |
| 07/05/04 | 0.54 | +/- | 0.14 | 0.44 | 08/05/04 | 0.44 | +/- | 0.40 | 0.43 | 09/05/04 | 0.64 | +/- | 0.14 | 0.44 |
| 07/06/04 | 0.73 | +/- | 0.14 | 0.44 | 08/06/04 | 0.28 | +/- | 0.13 | 0.43 | 09/06/04 | 0.52 | +/- | 0.14 | 0.44 |
| 07/07/04 | 0.63 | +/- | 0.15 | 0.46 | 08/07/04 | 0.35 | +/- | 0.14 | 0.43 | 09/07/04 | 0.32 | +/- | 0.14 | 0.44 |
| 07/08/04 | 0.77 | +/- | 0.15 | 0.46 | 08/08/04 | 0.53 | +/- | 0.14 | 0.43 | 09/08/04 | 0.23 | +/- | 0.14 | 0.44 |
| 07/09/04 | 0.60 | +/- | 0.15 | 0.46 | 08/09/04 | 0.25 | +/- | 0.13 | 0.43 | 09/09/04 | 0.32 | +/- | 0.14 | 0.44 |
| 07/10/04 | 0.61 | +/- | 0.15 | 0.46 | 08/10/04 | 0.34 | +/- | 0.14 | 0.43 | 09/10/04 | 0.42 | +/- | 0.14 | 0.44 |
| 07/11/04 | 0.58 | +/- | 0.15 | 0.46 | 08/11/04 | 0.29 | +/- | 0.14 | 0.43 | 09/11/04 | 0.37 | +/- | 0.14 | 0.44 |
| 07/12/04 | 0.87 | +/- | 0.15 | 0.46 | 08/12/04 | 0.48 | +/- | 0.14 | 0.43 | 09/12/04 | 0.82 | +/- | 0.14 | 0.44 |
| 07/13/04 | 0.71 | +/- | 0.15 | 0.46 | 08/13/04 | 0.32 | +/- | 0.14 | 0.43 | 09/13/04 | 0.39 | +/- | 0.14 | 0.44 |
| 07/14/04 | 0.36 | +/- | 0.14 | 0.44 | 08/14/04 | 0.39 | +/- | 0.14 | 0.43 | 09/14/04 | 0.48 | +/- | 0.14 | 0.44 |
| 07/15/04 | 0.39 | +/- | 0.14 | 0.44 | 08/15/04 | 0.54 | +/- | 0.14 | 0.43 | 09/15/04 | 0.25 | +/- | 0.14 | 0.45 |
| 07/16/04 | 0.45 | +/- | 0.14 | 0.44 | 08/16/04 | 0.20 | +/- | 0.13 | 0.43 | 09/16/04 | 0.21 | +/- | 0.14 | 0.45 |
| 07/17/04 | 0.22 | +/- | 0.14 | 0.44 | 08/17/04 | 0.32 | +/- | 0.14 | 0.43 | 09/17/04 | 0.21 | +/- | 0.14 | 0.45 |
| 07/18/04 | 0.30 | +/- | 0.14 | 0.44 | 08/18/04 | 0.21 | +/- | 0.13 | 0.43 | 09/18/04 | 0.33 | +/- | 0.14 | 0.45 |
| 07/19/04 | 0.40 | +/- | 0.14 | 0.44 | 08/19/04 | 0.26 | +/- | 0.13 | 0.43 | 09/19/04 | 0.21 | +/- | 0.14 | 0.45 |
| 07/20/04 | 0.43 | +/- | 0.14 | 0.44 | 08/20/04 | 0.12 | +/- | 0.13 | 0.43 | 09/20/04 | 0.33 | +/- | 0.14 | 0.45 |
| 07/21/04 | 0.19 | +/- | 0.14 | 0.45 | 08/21/04 | 0.24 | +/- | 0.13 | 0.43 | 09/21/04 | 0.37 | +/- | 0.14 | 0.45 |
| 07/22/04 | 0.74 | +/- | 0.15 | 0.45 | 08/22/04 | 0.39 | +/- | 0.14 | 0.43 | 09/22/04 | 0.37 | +/- | 0.14 | 0.44 |
| 07/23/04 | 0.57 | +/- | 0.14 | 0.45 | 08/23/04 | 0.34 | +/- | 0.14 | 0.43 | 09/23/04 | 0.30 | +/- | 0.14 | 0.44 |
| 07/24/04 | 0.43 | +/- | 0.14 | 0.45 | 08/24/04 | 0.48 | +/- | 0.14 | 0.43 | 09/24/04 | 0.21 | +/- | 0.14 | 0.44 |
| 07/25/04 | 0.37 | +/- | 0.14 | 0.45 | 08/25/04 | 0.33 | +/- | 0.14 | 0.43 | 09/25/04 | 0.30 | +/- | 0.14 | 0.44 |
| 07/26/04 | 0.17 | +/- | 0.14 | 0.45 | 08/26/04 | 0.37 | +/- | 0.14 | 0.43 | 09/26/04 | 0.46 | +/- | 0.14 | 0.44 |
| 07/27/04 | 0.33 | +/- | 0.14 | 0.45 | 08/27/04 | 0.39 | +/- | 0.14 | 0.43 | 09/27/04 | 0.44 | +/- | 0.14 | 0.44 |
| 07/28/04 | 0.56 | +/- | 0.14 | 0.44 | 08/28/04 | 0.31 | +/- | 0.13 | 0.43 | 09/28/04 | 0.24 | +/- | 0.14 | 0.44 |
| 07/29/04 | 0.42 | +/- | 0.14 | 0.44 | 08/29/04 | 0.37 | +/- | 0.14 | 0.43 | 09/29/04 | 0.47 | +/- | 0.14 | 0.43 |
| 07/30/04 | 0.29 | +/- | 0.14 | 0.44 | 08/30/04 | 0.43 | +/- | 0.14 | 0.43 | 09/30/04 | 0.42 | +/- | 0.14 | 0.43 |
| 07/31/04 | 0.82 | +/- | 0.14 | 0.44 | 08/31/04 | 0.39 | +/- | 0.14 | 0.43 | | | | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Location 103

| Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | |
|----------|----------------------|-----|------|----------|------|----------------------|------|-----|----------|------|----------------------|------|-----|----------|------|
| 10/01/04 | 0.46 | +/- | 0.14 | 0.43 | | 11/01/04 | 0.50 | +/- | 0.14 | 0.44 | 12/01/04 | 0.64 | +/- | 0.14 | 0.44 |
| 10/02/04 | 0.37 | +/- | 0.14 | 0.43 | | 11/02/04 | 0.60 | +/- | 0.14 | 0.44 | 12/02/04 | 0.64 | +/- | 0.14 | 0.44 |
| 10/03/04 | 0.58 | +/- | 0.14 | 0.43 | | 11/03/04 | 0.89 | +/- | 0.14 | 0.43 | 12/03/04 | 0.59 | +/- | 0.14 | 0.44 |
| 10/04/04 | 0.38 | +/- | 0.14 | 0.43 | | 11/04/04 | 0.69 | +/- | 0.14 | 0.43 | 12/04/04 | 0.58 | +/- | 0.14 | 0.44 |
| 10/05/04 | 0.50 | +/- | 0.14 | 0.43 | | 11/05/04 | 0.56 | +/- | 0.14 | 0.43 | 12/05/04 | 0.59 | +/- | 0.14 | 0.44 |
| 10/06/04 | 0.30 | +/- | 0.14 | 0.45 | | 11/06/04 | 0.68 | +/- | 0.14 | 0.43 | 12/06/04 | 0.91 | +/- | 0.15 | 0.44 |
| 10/07/04 | 0.37 | +/- | 0.14 | 0.45 | | 11/07/04 | 0.55 | +/- | 0.14 | 0.43 | 12/07/04 | 0.56 | +/- | 0.14 | 0.44 |
| 10/08/04 | 0.38 | +/- | 0.14 | 0.45 | | 11/08/04 | 0.67 | +/- | 0.14 | 0.43 | 12/08/04 | 0.69 | +/- | 0.14 | 0.44 |
| 10/09/04 | 0.34 | +/- | 0.14 | 0.45 | | 11/09/04 | 0.65 | +/- | 0.14 | 0.43 | 12/09/04 | 0.79 | +/- | 0.15 | 0.44 |
| 10/10/04 | 0.38 | +/- | 0.14 | 0.45 | | 11/10/04 | 0.92 | +/- | 0.14 | 0.43 | 12/10/04 | 0.70 | +/- | 0.14 | 0.44 |
| 10/11/04 | 0.27 | +/- | 0.14 | 0.45 | | 11/11/04 | 0.69 | +/- | 0.14 | 0.43 | 12/11/04 | 0.77 | +/- | 0.14 | 0.44 |
| 10/12/04 | 0.20 | +/- | 0.14 | 0.45 | | 11/12/04 | 0.63 | +/- | 0.14 | 0.43 | 12/12/04 | 0.61 | +/- | 0.14 | 0.44 |
| 10/13/04 | 0.17 | +/- | 0.14 | 0.45 | | 11/13/04 | 0.85 | +/- | 0.14 | 0.43 | 12/13/04 | 0.50 | +/- | 0.14 | 0.44 |
| 10/14/04 | 0.51 | +/- | 0.14 | 0.45 | | 11/14/04 | 0.71 | +/- | 0.14 | 0.43 | 12/14/04 | 0.65 | +/- | 0.14 | 0.44 |
| 10/15/04 | 0.35 | +/- | 0.14 | 0.45 | | 11/15/04 | 0.82 | +/- | 0.14 | 0.43 | 12/15/04 | 0.56 | +/- | 0.14 | 0.44 |
| 10/16/04 | 0.51 | +/- | 0.14 | 0.45 | | 11/16/04 | 0.85 | +/- | 0.14 | 0.43 | 12/16/04 | 0.44 | +/- | 0.14 | 0.44 |
| 10/17/04 | 0.68 | +/- | 0.15 | 0.45 | | 11/17/04 | 0.83 | +/- | 0.15 | 0.44 | 12/17/04 | 0.53 | +/- | 0.14 | 0.44 |
| 10/18/04 | 0.28 | +/- | 0.14 | 0.45 | | 11/18/04 | 0.79 | +/- | 0.14 | 0.44 | 12/18/04 | 0.59 | +/- | 0.14 | 0.44 |
| 10/19/04 | 0.13 | +/- | 0.14 | 0.45 | | 11/19/04 | 1.00 | +/- | 0.15 | 0.44 | 12/19/04 | 0.61 | +/- | 0.14 | 0.44 |
| 10/20/04 | 0.43 | +/- | 0.14 | 0.45 | | 11/20/04 | 0.93 | +/- | 0.15 | 0.44 | 12/20/04 | 0.52 | +/- | 0.14 | 0.44 |
| 10/21/04 | 0.46 | +/- | 0.14 | 0.45 | | 11/21/04 | 0.87 | +/- | 0.15 | 0.44 | 12/21/04 | 0.52 | +/- | 0.14 | 0.44 |
| 10/22/04 | 0.39 | +/- | 0.14 | 0.45 | | 11/22/04 | 0.77 | +/- | 0.14 | 0.44 | 12/22/04 | 0.65 | +/- | 0.14 | 0.44 |
| 10/23/04 | 0.68 | +/- | 0.15 | 0.45 | | 11/23/04 | 0.83 | +/- | 0.15 | 0.44 | 12/23/04 | 0.91 | +/- | 0.15 | 0.44 |
| 10/24/04 | 0.59 | +/- | 0.14 | 0.45 | | 11/24/04 | 1.01 | +/- | 0.15 | 0.45 | 12/24/04 | 1.15 | +/- | 0.15 | 0.44 |
| 10/25/04 | 0.53 | +/- | 0.14 | 0.45 | | 11/25/04 | 0.81 | +/- | 0.15 | 0.45 | 12/25/04 | 1.03 | +/- | 0.15 | 0.44 |
| 10/26/04 | 0.41 | +/- | 0.14 | 0.45 | | 11/26/04 | 0.78 | +/- | 0.15 | 0.45 | 12/26/04 | 1.10 | +/- | 0.15 | 0.44 |
| 10/27/04 | 0.62 | +/- | 0.14 | 0.44 | | 11/27/04 | 1.20 | +/- | 0.15 | 0.45 | 12/27/04 | 0.79 | +/- | 0.14 | 0.44 |
| 10/28/04 | 0.54 | +/- | 0.14 | 0.44 | | 11/28/04 | 0.86 | +/- | 0.15 | 0.45 | 12/28/04 | 0.71 | +/- | 0.14 | 0.44 |
| 10/29/04 | 0.57 | +/- | 0.14 | 0.44 | | 11/29/04 | 0.79 | +/- | 0.15 | 0.45 | 12/29/04 | 1.04 | +/- | 0.15 | 0.43 |
| 10/30/04 | 0.39 | +/- | 0.14 | 0.44 | | 11/30/04 | 0.39 | +/- | 0.14 | 0.45 | 12/30/04 | 1.23 | +/- | 0.15 | 0.43 |
| 10/31/04 | 0.53 | +/- | 0.14 | 0.44 | | | | | | | 12/31/04 | 1.60 | +/- | 0.15 | 0.43 |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

APPENDIX C

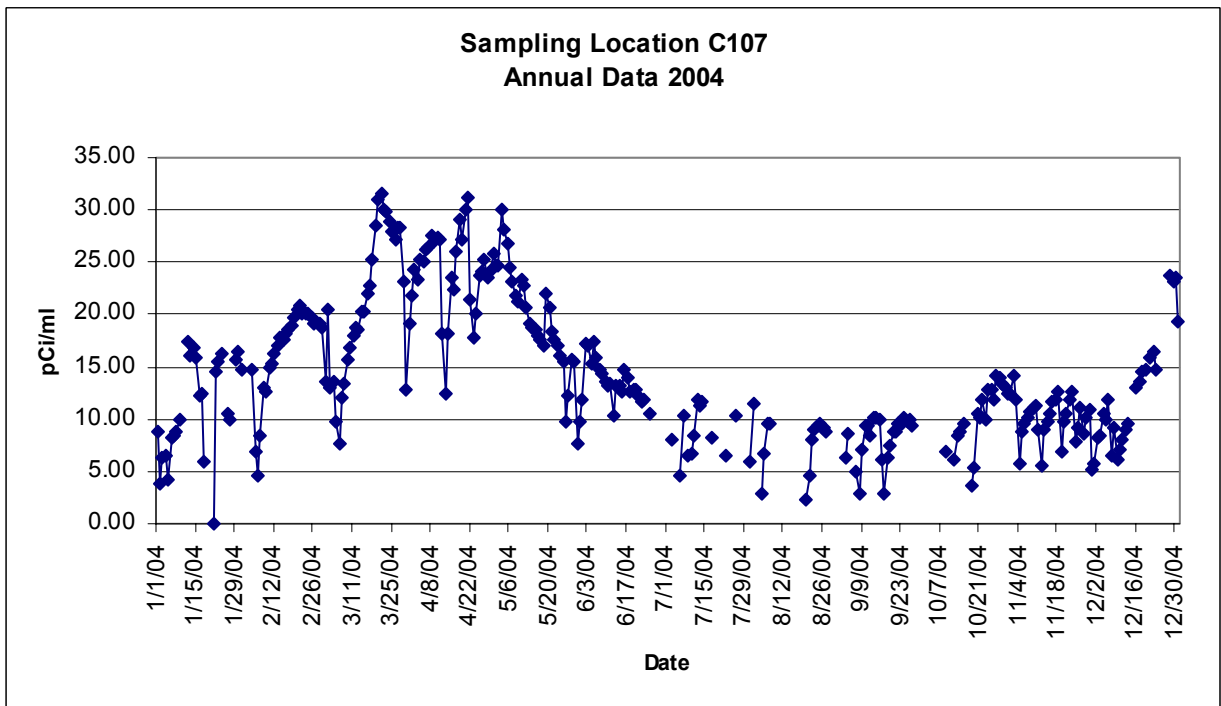
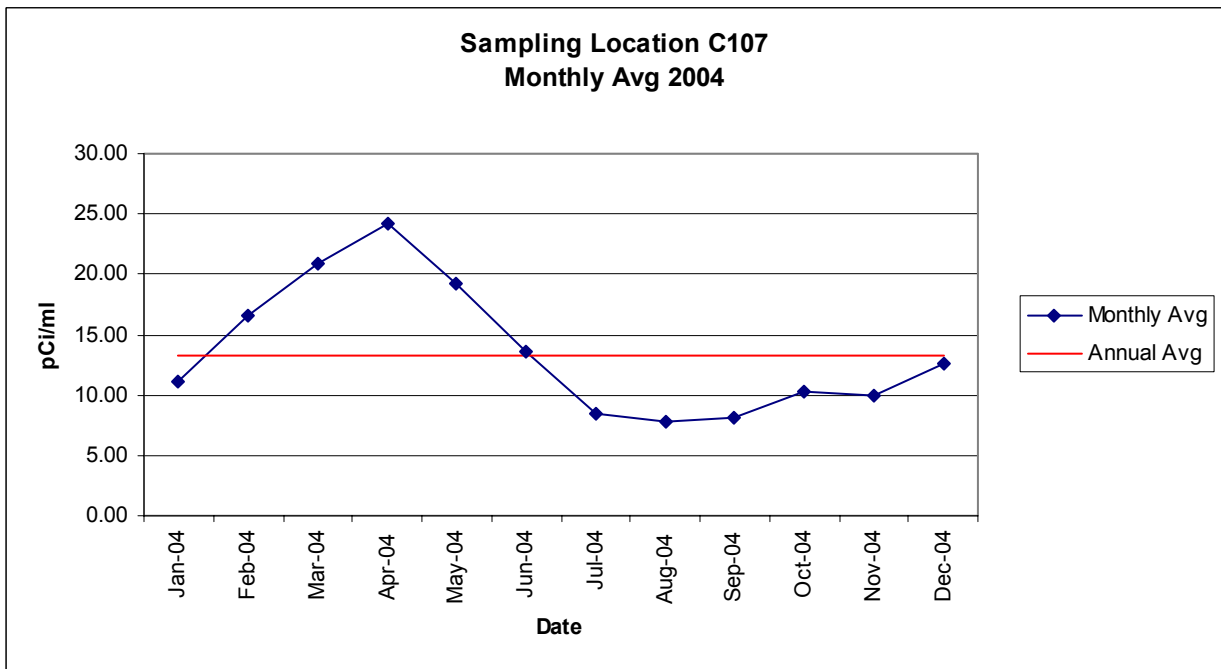
**DRAINAGE CHANNEL SURFACE WATER
DATA CHARTS AND SUMMARY
2004**

ANNUAL REPORT
Maxey Flats Disposal Site
2004

APPENDIX C1

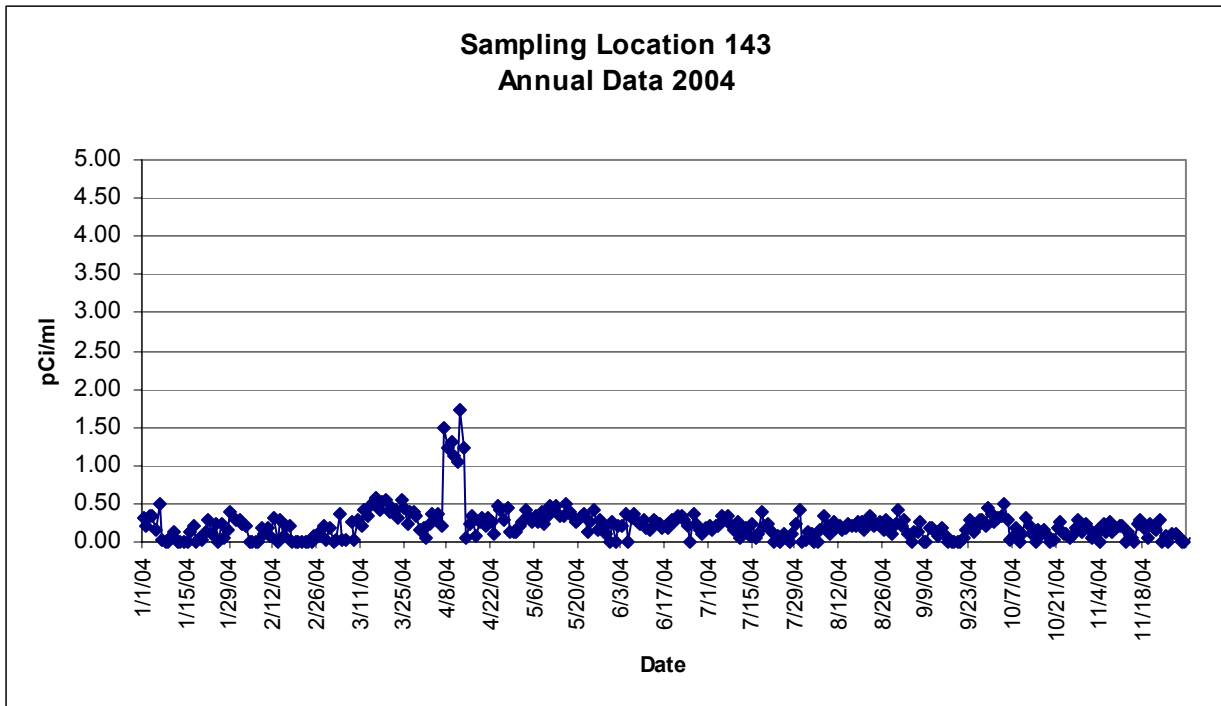
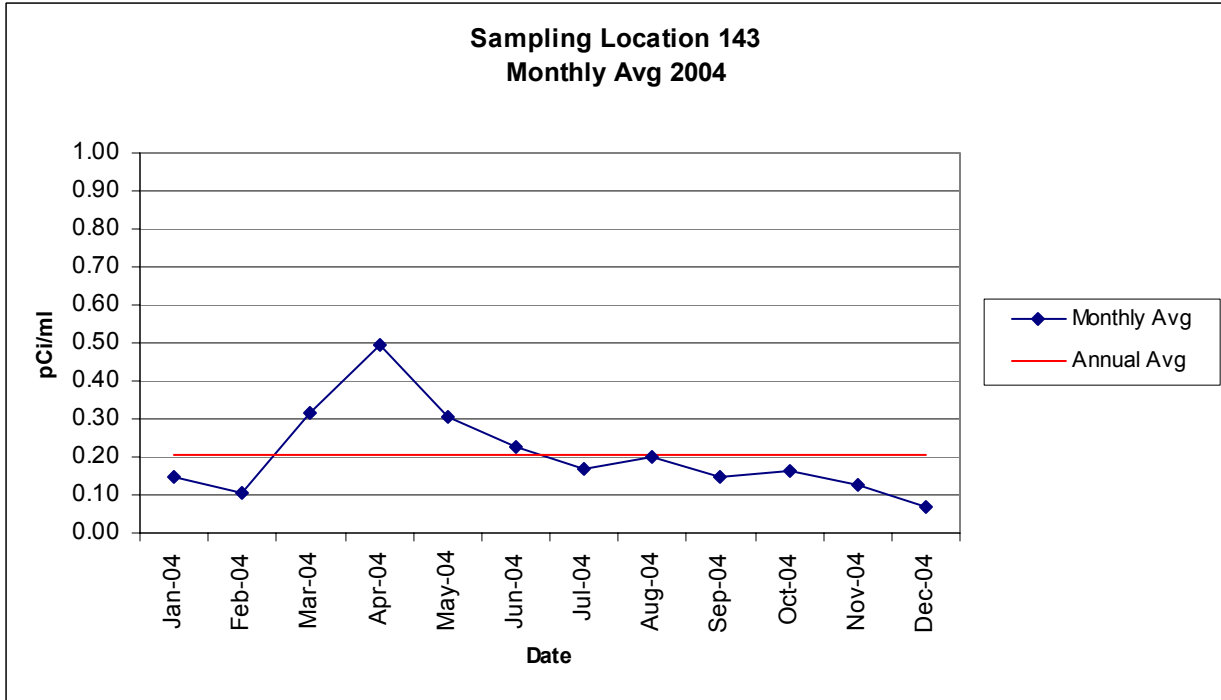
**DRAINAGE CHANNEL SURFACE WATER
DATA CHARTS
2004**

ANNUAL REPORT
 Maxey Flats Disposal Site
 2004
PSVP Compliance Point C107



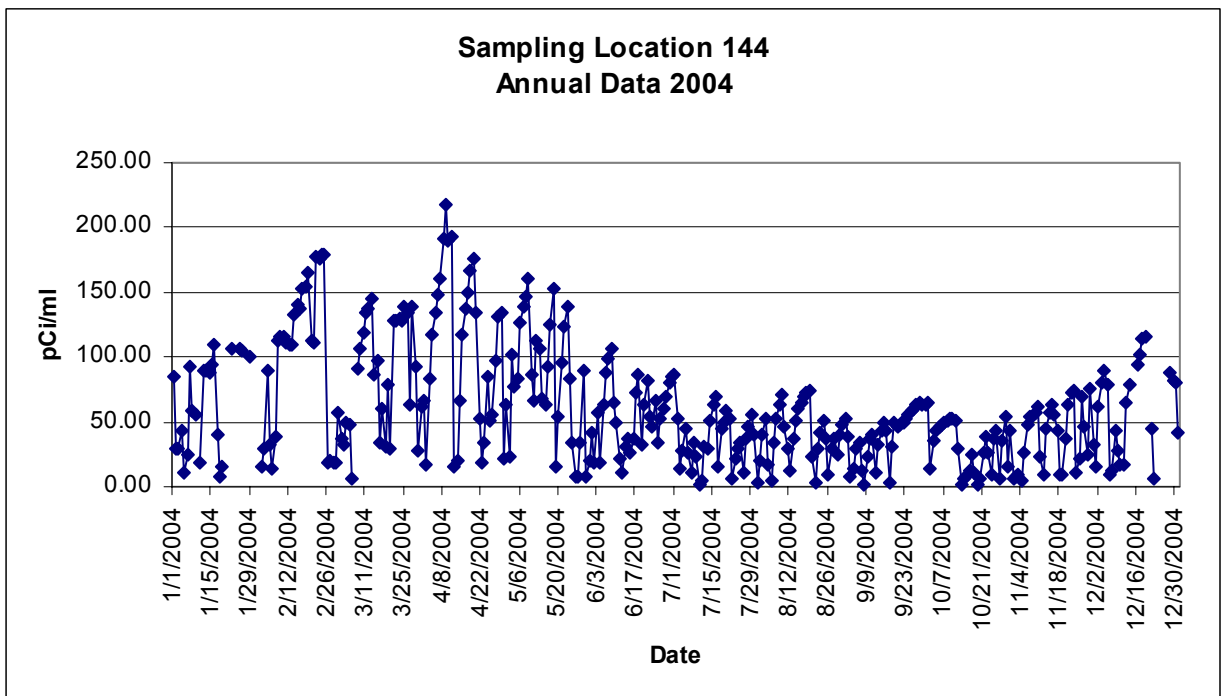
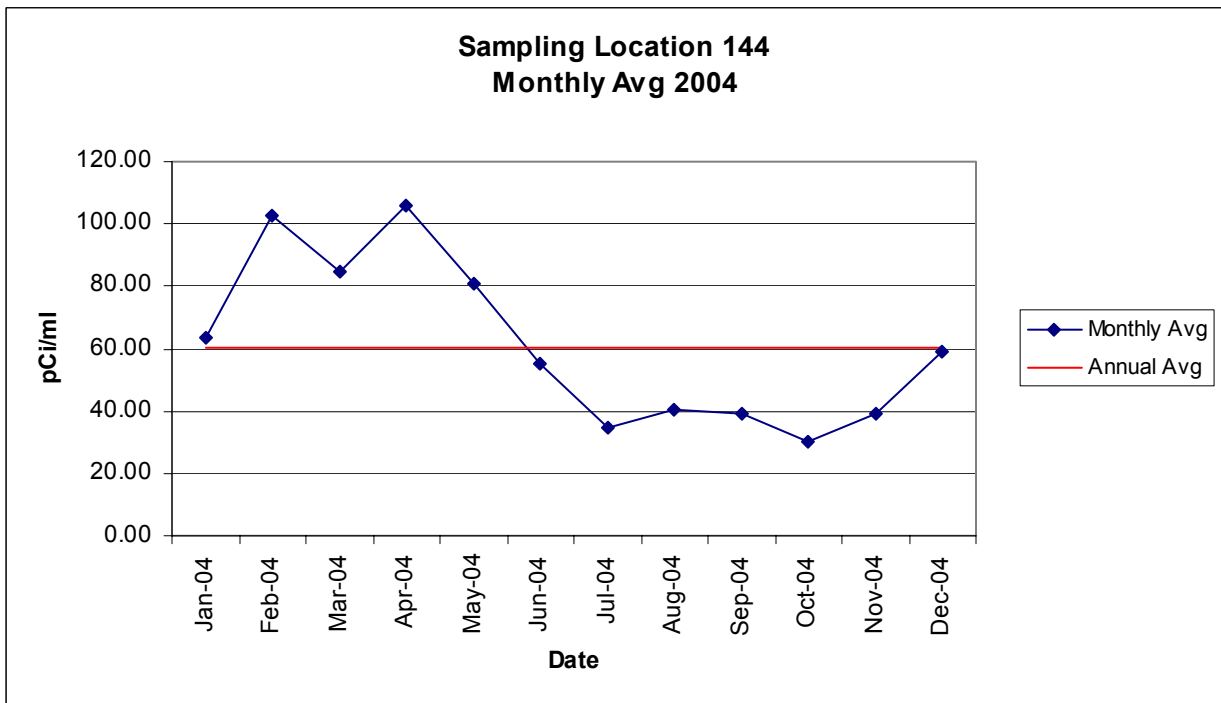
Note: 60 samples exceeded the 20 pCi/ml limit
 MDA = 0.44 pCi/ml
 Annual average = 13.57 pCi/ml
 Min = 0.00 pCi/ml Max = 31.55 pCi/ml

ANNUAL REPORT
 Maxey Flats Disposal Site
 2004
PSVP Compliance Point 143



Note: All samples less than 20 pCi/ml
 MDA = 0.45 pCi/ml
 Annual average = 0.21 pCi/ml
 Min = 0.00 pCi/ml Max = 1.73 pCi/ml

ANNUAL REPORT
 Maxey Flats Disposal Site
 2004
PSVP Compliance Point 144



Note: 278 samples exceeded the 20 pCi/ml limit
 MDA = 0.44 pCi/ml
 Annual average = 61.32 pCi/ml
 Min = 1.34 pCi/ml Max = 217.82 pCi/ml

ANNUAL REPORT
Maxey Flats Disposal Site
2004

APPENDIX C2

**DRAINAGE CHANNEL SURFACE WATER
DATA SUMMARY
2004**

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Location C107

| Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments |
|----------|----------------------|------|------|-------------------------|----------|----------------------|------|------|-------------------------|----------|----------------------|------|------|----------|
| 01/01/04 | 8.82 +/- | 0.22 | 0.39 | | 02/01/04 | | | | No Sample - Frozen Line | 03/01/04 | 13.67 +/- | 0.27 | 0.45 | |
| 01/02/04 | 3.91 +/- | 0.17 | 0.39 | | 02/02/04 | | | | No Sample - Frozen Line | 03/02/04 | 20.37 +/- | 0.31 | 0.45 | |
| 01/03/04 | 6.22 +/- | 0.20 | 0.39 | | 02/03/04 | | | | No Sample - Frozen Line | 03/03/04 | 12.97 +/- | 0.26 | 0.45 | |
| 01/04/04 | 6.51 +/- | 0.20 | 0.39 | | 02/04/04 | 14.76 +/- | 0.27 | 0.43 | | 03/04/04 | 13.56 +/- | 0.26 | 0.43 | |
| 01/05/04 | 4.17 +/- | 0.17 | 0.39 | | 02/05/04 | 6.81 +/- | 0.21 | 0.46 | | 03/05/04 | 9.77 +/- | 0.23 | 0.43 | |
| 01/06/04 | 8.26 +/- | 0.22 | 0.39 | | 02/06/04 | 4.54 +/- | 0.19 | 0.46 | | 03/06/04 | 7.61 +/- | 0.21 | 0.43 | |
| 01/07/04 | 8.51 +/- | 0.22 | 0.39 | | 02/07/04 | 8.39 +/- | 0.23 | 0.46 | | 03/07/04 | 12.11 +/- | 0.25 | 0.43 | |
| 01/08/04 | 8.79 +/- | 0.23 | 0.47 | | 02/08/04 | 13.00 +/- | 0.26 | 0.46 | | 03/08/04 | 13.42 +/- | 0.26 | 0.43 | |
| 01/09/04 | 9.99 +/- | 0.24 | 0.47 | | 02/09/04 | 12.58 +/- | 0.26 | 0.46 | | 03/09/04 | 15.67 +/- | 0.28 | 0.43 | |
| 01/10/04 | | | | No Sample - Frozen Line | 02/10/04 | 14.86 +/- | 0.28 | 0.46 | | 03/10/04 | 16.87 +/- | 0.29 | 0.43 | |
| 01/11/04 | | | | No Sample - Frozen Line | 02/11/04 | 15.25 +/- | 0.28 | 0.46 | | 03/11/04 | 18.03 +/- | 0.30 | 0.44 | |
| 01/12/04 | 17.49 +/- | 0.30 | 0.47 | | 02/12/04 | 16.20 +/- | 0.28 | 0.43 | | 03/12/04 | 18.82 +/- | 0.30 | 0.44 | |
| 01/13/04 | 16.12 +/- | 0.29 | 0.47 | | 02/13/04 | 17.06 +/- | 0.29 | 0.43 | | 03/13/04 | 18.62 +/- | 0.30 | 0.44 | |
| 01/14/04 | 16.82 +/- | 0.29 | 0.47 | | 02/14/04 | 17.70 +/- | 0.29 | 0.43 | | 03/14/04 | 20.24 +/- | 0.31 | 0.44 | |
| 01/15/04 | 15.84 +/- | 0.28 | 0.42 | | 02/15/04 | 17.68 +/- | 0.29 | 0.43 | | 03/15/04 | 20.22 +/- | 0.31 | 0.44 | |
| 01/16/04 | 12.18 +/- | 0.26 | 0.42 | | 02/16/04 | 18.18 +/- | 0.29 | 0.43 | | 03/16/04 | 21.95 +/- | 0.32 | 0.44 | |
| 01/17/04 | 12.52 +/- | 0.26 | 0.42 | | 02/17/04 | 18.62 +/- | 0.30 | 0.43 | | 03/17/04 | 22.75 +/- | 0.33 | 0.44 | |
| 01/18/04 | 5.95 +/- | 0.20 | 0.42 | | 02/18/04 | 18.92 +/- | 0.30 | 0.43 | | 03/18/04 | 25.28 +/- | 0.34 | 0.45 | |
| 01/19/04 | | | | No Sample - Frozen Line | 02/19/04 | 19.62 +/- | 0.31 | 0.47 | | 03/19/04 | 28.53 +/- | 0.36 | 0.45 | |
| 01/20/04 | | | | No Sample - Frozen Line | 02/20/04 | 20.42 +/- | 0.31 | 0.47 | | 03/20/04 | 30.96 +/- | 0.37 | 0.45 | |
| 01/21/04 | +/- | 0.26 | 0.42 | | 02/21/04 | 20.78 +/- | 0.32 | 0.47 | | 03/21/04 | 31.55 +/- | 0.38 | 0.45 | |
| 01/22/04 | 14.60 +/- | 0.27 | 0.45 | | 02/22/04 | 20.07 +/- | 0.31 | 0.47 | | 03/22/04 | 29.96 +/- | 0.37 | 0.45 | |
| 01/23/04 | 15.49 +/- | 0.28 | 0.45 | | 02/23/04 | 20.03 +/- | 0.31 | 0.47 | | 03/23/04 | 29.79 +/- | 0.37 | 0.45 | |
| 01/24/04 | 16.17 +/- | 0.28 | 0.45 | | 02/24/04 | 20.11 +/- | 0.31 | 0.47 | | 03/24/04 | 28.90 +/- | 0.36 | 0.45 | |
| 01/25/04 | 0.00 +/- | | | No Sample - Frozen Line | 02/25/04 | 19.76 +/- | 0.31 | 0.47 | | 03/25/04 | 28.01 +/- | 0.36 | 0.44 | |
| 01/26/04 | 10.57 +/- | 0.24 | 0.45 | | 02/26/04 | 19.06 +/- | 0.30 | 0.45 | | 03/26/04 | 27.10 +/- | 0.35 | 0.44 | |
| 01/27/04 | 9.87 +/- | 0.24 | 0.45 | | 02/27/04 | 19.33 +/- | 0.30 | 0.45 | | 03/27/04 | 28.32 +/- | 0.36 | 0.44 | |
| 01/28/04 | | | | No Sample - Frozen Line | 02/28/04 | 19.22 +/- | 0.30 | 0.45 | | 03/28/04 | 28.33 +/- | 0.36 | 0.44 | |
| 01/29/04 | 15.77 +/- | 0.28 | 0.43 | | 02/29/04 | 18.71 +/- | 0.30 | 0.45 | | 03/29/04 | 23.20 +/- | 0.33 | 0.44 | |
| 01/30/04 | 16.42 +/- | 0.28 | 0.43 | | | | | | | 03/30/04 | 12.79 +/- | 0.26 | 0.44 | |
| 01/31/04 | 14.76 +/- | 0.27 | 0.43 | | | | | | | 03/31/04 | 19.16 +/- | 0.30 | 0.44 | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Location C107

| Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments |
|----------|----------------------|------|------|----------|----------|----------------------|------|------|----------|----------|----------------------|------|------|-----------------|
| 04/01/04 | 21.76 +/- | 0.32 | 0.45 | | 05/01/04 | 24.58 +/- | 0.34 | 0.45 | | 06/01/04 | 11.86 +/- | 0.26 | 0.45 | |
| 04/02/04 | 24.24 +/- | 0.34 | 0.45 | | 05/02/04 | 24.74 +/- | 0.34 | 0.45 | | 06/02/04 | 17.13 +/- | 0.29 | 0.45 | |
| 04/03/04 | 23.42 +/- | 0.33 | 0.45 | | 05/03/04 | 29.98 +/- | 0.37 | 0.45 | | 06/03/04 | 17.08 +/- | 0.29 | 0.45 | |
| 04/04/04 | 25.20 +/- | 0.34 | 0.45 | | 05/04/04 | 28.08 +/- | 0.36 | 0.45 | | 06/04/04 | 15.29 +/- | 0.28 | 0.45 | |
| 04/05/04 | 24.99 +/- | 0.34 | 0.45 | | 05/05/04 | 26.79 +/- | 0.35 | 0.45 | | 06/05/04 | 17.37 +/- | 0.30 | 0.45 | |
| 04/06/04 | 26.27 +/- | 0.35 | 0.45 | | 05/06/04 | 24.42 +/- | 0.34 | 0.45 | | 06/06/04 | 15.89 +/- | 0.29 | 0.45 | |
| 04/07/04 | 26.37 +/- | 0.35 | 0.45 | | 05/07/04 | 23.17 +/- | 0.33 | 0.45 | | 06/07/04 | 14.65 +/- | 0.28 | 0.45 | |
| 04/09/04 | 27.02 +/- | 0.35 | 0.44 | | 05/08/04 | 21.84 +/- | 0.32 | 0.45 | | 06/08/04 | 14.31 +/- | 0.27 | 0.45 | |
| 04/08/04 | 27.57 +/- | 0.36 | 0.44 | | 05/09/04 | 21.28 +/- | 0.32 | 0.45 | | 06/09/04 | 13.59 +/- | 0.27 | 0.45 | |
| 04/10/04 | 27.34 +/- | 0.35 | 0.44 | | 05/10/04 | 23.40 +/- | 0.33 | 0.45 | | 06/10/04 | 13.28 +/- | 0.27 | 0.45 | |
| 04/11/04 | 27.09 +/- | 0.35 | 0.44 | | 05/11/04 | 22.82 +/- | 0.33 | 0.45 | | 06/11/04 | 13.42 +/- | 0.27 | 0.45 | |
| 04/12/04 | 18.09 +/- | 0.30 | 0.44 | | 05/12/04 | 20.61 +/- | 0.32 | 0.45 | | 06/12/04 | 10.39 +/- | 0.25 | 0.45 | |
| 04/13/04 | 12.43 +/- | 0.26 | 0.44 | | 05/13/04 | 19.08 +/- | 0.31 | 0.45 | | 06/13/04 | 13.13 +/- | 0.27 | 0.45 | |
| 04/14/04 | 18.19 +/- | 0.30 | 0.44 | | 05/14/04 | 18.66 +/- | 0.30 | 0.45 | | 06/14/04 | 13.23 +/- | 0.27 | 0.45 | |
| 04/15/04 | 23.57 +/- | 0.33 | 0.44 | | 05/15/04 | 18.64 +/- | 0.30 | 0.45 | | 06/15/04 | 12.55 +/- | 0.26 | 0.45 | |
| 04/16/04 | 22.33 +/- | 0.32 | 0.44 | | 05/16/04 | 18.04 +/- | 0.30 | 0.45 | | 06/16/04 | 14.75 +/- | 0.28 | 0.45 | |
| 04/17/04 | 26.04 +/- | 0.35 | 0.44 | | 05/17/04 | 17.56 +/- | 0.30 | 0.45 | | 06/17/04 | 13.95 +/- | 0.27 | 0.44 | |
| 04/18/04 | 29.00 +/- | 0.36 | 0.44 | | 05/18/04 | 17.02 +/- | 0.29 | 0.45 | | 06/18/04 | 12.66 +/- | 0.26 | 0.44 | |
| 04/19/04 | 27.15 +/- | 0.35 | 0.44 | | 05/19/04 | 22.01 +/- | 0.32 | 0.45 | | 06/19/04 | 12.84 +/- | 0.26 | 0.44 | |
| 04/20/04 | 30.04 +/- | 0.37 | 0.44 | | 05/20/04 | 20.66 +/- | 0.32 | 0.46 | | 06/20/04 | 12.87 +/- | 0.26 | 0.44 | |
| 04/21/04 | 31.21 +/- | 0.37 | 0.44 | | 05/21/04 | 18.37 +/- | 0.31 | 0.46 | | 06/21/04 | 12.29 +/- | 0.26 | 0.44 | |
| 04/22/04 | 21.35 +/- | 0.32 | 0.44 | | 05/22/04 | 17.66 +/- | 0.30 | 0.46 | | 06/22/04 | 11.70 +/- | 0.25 | 0.44 | |
| 04/23/04 | 17.74 +/- | 0.30 | 0.44 | | 05/23/04 | 17.10 +/- | 0.30 | 0.46 | | 06/23/04 | 11.83 +/- | 0.25 | 0.44 | |
| 04/24/04 | 20.11 +/- | 0.31 | 0.44 | | 05/24/04 | 15.99 +/- | 0.29 | 0.46 | | 06/24/04 | | | | No Sample - Dry |
| 04/25/04 | 23.69 +/- | 0.33 | 0.44 | | 05/25/04 | 15.50 +/- | 0.29 | 0.46 | | 06/25/04 | 10.56 +/- | 0.24 | 0.44 | |
| 04/26/04 | 24.10 +/- | 0.35 | 0.44 | | 05/26/04 | 9.79 +/- | 0.24 | 0.46 | | 06/26/04 | | | | No Sample - Dry |
| 04/27/04 | 25.29 +/- | 0.34 | 0.44 | | 05/27/04 | 12.22 +/- | 0.26 | 0.45 | | 06/27/04 | | | | No Sample - Dry |
| 04/28/04 | 23.61 +/- | 0.33 | 0.44 | | 05/28/04 | 15.63 +/- | 0.28 | 0.45 | | 06/28/04 | | | | No Sample - Dry |
| 04/29/04 | 24.09 +/- | 0.34 | 0.45 | | 05/29/04 | 15.51 +/- | 0.28 | 0.45 | | 06/29/04 | | | | No Sample - Dry |
| 04/30/04 | 25.79 +/- | 0.35 | 0.45 | | 05/30/04 | 7.58 +/- | 0.22 | 0.45 | | 06/30/04 | | | | No Sample - Dry |
| | | | | | 05/31/04 | 9.69 +/- | 0.24 | 0.45 | | | | | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Location C107

| Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments |
|----------|----------------------|------|------|-----------------|----------|----------------------|------|------|-----------------|----------|----------------------|------|------|-----------------|
| 07/01/04 | | | | No Sample - Dry | 08/01/04 | 11.53 +/- | 0.25 | 0.43 | | 09/01/04 | | | | No Sample - Dry |
| 07/02/04 | | | | No Sample - Dry | 08/02/04 | | | | No Sample - Dry | 09/02/04 | | | | No Sample - Dry |
| 07/03/04 | 7.94 +/- | 0.22 | 0.44 | | 08/03/04 | | | | No Sample - Dry | 09/03/04 | 6.33 +/- | 0.20 | 0.43 | |
| 07/04/04 | | | | No Sample - Dry | 08/04/04 | 2.88 +/- | 0.17 | 0.43 | | 09/04/04 | 8.59 +/- | 0.23 | 0.43 | |
| 07/05/04 | | | | No Sample - Dry | 08/05/04 | 6.78 +/- | 0.21 | 0.43 | | 09/05/04 | | | | No Sample - Dry |
| 07/06/04 | 4.53 +/- | 0.19 | 0.44 | | 08/06/04 | 9.51 +/- | 0.23 | 0.43 | | 09/06/04 | | | | No Sample - Dry |
| 07/07/04 | 10.42 +/- | 0.24 | 0.44 | | 08/07/04 | 9.65 +/- | 0.23 | 0.43 | | 09/07/04 | 5.04 +/- | 0.19 | 0.43 | |
| 07/08/04 | | | | No Sample - Dry | 08/08/04 | | | | No Sample - Dry | 09/08/04 | 2.81 +/- | 0.17 | 0.43 | |
| 07/09/04 | 6.53 +/- | 0.21 | 0.45 | | 08/09/04 | | | | No Sample - Dry | 09/09/04 | 7.12 +/- | 0.21 | 0.43 | |
| 07/10/04 | 6.74 +/- | 0.21 | 0.45 | | 08/10/04 | | | | No Sample - Dry | 09/10/04 | 9.30 +/- | 0.23 | 0.43 | |
| 07/11/04 | 8.49 +/- | 0.23 | 0.45 | | 08/11/04 | | | | No Sample - Dry | 09/11/04 | 9.46 +/- | 0.23 | 0.43 | |
| 07/12/04 | 11.92 +/- | 0.26 | 0.45 | | 08/12/04 | | | | No Sample - Dry | 09/12/04 | 8.32 +/- | 0.22 | 0.43 | |
| 07/13/04 | 11.28 +/- | 0.25 | 0.45 | | 08/13/04 | | | | No Sample - Dry | 09/13/04 | 10.05 +/- | 0.24 | 0.43 | |
| 07/14/04 | 11.59 +/- | 0.25 | 0.45 | | 08/14/04 | | | | No Sample - Dry | 09/14/04 | 10.10 +/- | 0.24 | 0.43 | |
| 07/15/04 | | | | No Sample - Dry | 08/15/04 | | | | No Sample - Dry | 09/15/04 | 9.99 +/- | 0.24 | 0.3 | |
| 07/16/04 | | | | No Sample - Dry | 08/16/04 | | | | No Sample - Dry | 09/16/04 | 6.03 +/- | 0.20 | 0.43 | |
| 07/17/04 | 8.25 +/- | 0.23 | 0.45 | | 08/17/04 | | | | No Sample - Dry | 09/17/04 | 2.93 +/- | 0.17 | 0.43 | |
| 07/18/04 | | | | No Sample - Dry | 08/18/04 | | | | No Sample - Dry | 09/18/04 | 6.22 +/- | 0.20 | 0.43 | |
| 07/19/04 | | | | No Sample - Dry | 08/19/04 | | | | No Sample - Dry | 09/19/04 | 7.49 +/- | 0.22 | 0.43 | |
| 07/20/04 | | | | No Sample - Dry | 08/20/04 | 2.39 +/- | 0.16 | 0.44 | | 09/20/04 | 8.84 +/- | 0.23 | 0.43 | |
| 07/21/04 | | | | No Sample - Dry | 08/21/04 | 4.60 +/- | 0.19 | 0.44 | | 09/21/04 | 8.87 +/- | 0.23 | 0.43 | |
| 07/22/04 | 6.45 +/- | 0.21 | 0.44 | | 08/22/04 | 7.94 +/- | 0.22 | 0.44 | | 09/22/04 | 9.58 +/- | 0.24 | 0.43 | |
| 07/23/04 | | | | No Sample - Dry | 08/23/04 | 9.06 +/- | 0.23 | 0.44 | | 09/23/04 | 9.59 +/- | 0.24 | 0.45 | |
| 07/24/04 | | | | No Sample - Dry | 08/24/04 | 9.36 +/- | 0.23 | 0.44 | | 09/24/04 | 10.12 +/- | 0.24 | 0.45 | |
| 07/25/04 | | | | No Sample - Dry | 08/25/04 | 9.58 +/- | 0.23 | 0.44 | | 09/25/04 | 9.80 +/- | 0.24 | 0.45 | |
| 07/26/04 | 10.33 +/- | 0.24 | 0.44 | | 08/26/04 | 9.18 +/- | 0.23 | 0.44 | | 09/26/04 | 9.93 +/- | 0.24 | 0.45 | |
| 07/27/04 | | | | No Sample - Dry | 08/27/04 | 8.83 +/- | 0.23 | 0.44 | | 09/27/04 | 9.40 +/- | 0.24 | 0.45 | |
| 07/28/04 | | | | No Sample - Dry | 08/28/04 | | | | No Sample - Dry | 09/28/04 | | | | No Sample - Dry |
| 07/29/04 | | | | No Sample - Dry | 08/29/04 | | | | No Sample - Dry | 09/29/04 | | | | No Sample - Dry |
| 07/30/04 | | | | No Sample - Dry | 08/30/04 | | | | No Sample - Dry | 09/30/04 | | | | No Sample - Dry |
| 07/31/04 | 5.84 +/- | 0.20 | 0.43 | | 08/31/04 | | | | No Sample - Dry | | | | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Location C107

| Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments |
|----------|----------------------|------|------|-----------------|----------|----------------------|------|------|----------|----------|----------------------|------|------|-------------------------|
| 10/01/04 | | | | No Sample - Dry | 11/01/04 | 12.39 +/- | 0.26 | 0.44 | | 12/01/04 | 5.65 +/- | 0.20 | 0.44 | |
| 10/02/04 | | | | No Sample - Dry | 11/02/04 | 14.09 +/- | 0.27 | 0.44 | | 12/02/04 | 8.19 +/- | 0.22 | 0.43 | |
| 10/03/04 | | | | No Sample - Dry | 11/03/04 | 11.91 +/- | 0.26 | 0.44 | | 12/03/04 | 8.45 +/- | 0.22 | 0.43 | |
| 10/04/04 | | | | No Sample - Dry | 11/04/04 | 5.68 +/- | 0.20 | 0.43 | | 12/04/04 | 10.60 +/- | 0.24 | 0.43 | |
| 10/05/04 | | | | No Sample - Dry | 11/05/04 | 8.77 +/- | 0.23 | 0.43 | | 12/05/04 | 10.04 +/- | 0.24 | 0.43 | |
| 10/06/04 | | | | No Sample - Dry | 11/06/04 | 9.52 +/- | 0.24 | 0.43 | | 12/06/04 | 11.88 +/- | 0.25 | 0.43 | |
| 10/07/04 | | | | No Sample - Dry | 11/07/04 | 10.21 +/- | 0.24 | 0.43 | | 12/07/04 | 6.50 +/- | 0.21 | 0.43 | |
| 10/08/04 | | | | No Sample - Dry | 11/08/04 | 10.80 +/- | 0.25 | 0.43 | | 12/08/04 | 9.09 +/- | 0.23 | 0.43 | |
| 10/09/04 | 6.82 +/- | 0.21 | 0.45 | | 11/09/04 | 11.04 +/- | 0.25 | 0.43 | | 12/09/04 | 6.15 +/- | 0.21 | 0.45 | |
| 10/10/04 | | | | No Sample - Dry | 11/10/04 | 11.35 +/- | 0.25 | 0.43 | | 12/10/04 | 7.01 +/- | 0.22 | 0.45 | |
| 10/11/04 | | | | No Sample - Dry | 11/11/04 | 9.08 +/- | 0.23 | 0.43 | | 12/11/04 | 8.02 +/- | 0.23 | 0.45 | |
| 10/12/04 | 6.05 +/- | 0.21 | 0.45 | | 11/12/04 | 5.59 +/- | 0.20 | 0.43 | | 12/12/04 | 8.98 +/- | 0.23 | 0.45 | |
| 10/13/04 | 8.33 +/- | 0.23 | 0.45 | | 11/13/04 | 8.98 +/- | 0.23 | 0.43 | | 12/13/04 | 9.52 +/- | 0.24 | 0.45 | |
| 10/14/04 | 8.71 +/- | 0.23 | 0.44 | | 11/14/04 | 9.69 +/- | 0.24 | 0.43 | | 12/14/04 | | | | No Sample - Dry |
| 10/15/04 | 9.60 +/- | 0.24 | 0.44 | | 11/15/04 | 10.49 +/- | 0.24 | 0.43 | | 12/15/04 | | | | No Sample - Dry |
| 10/16/04 | | | | No Sample - Dry | 11/16/04 | 11.61 +/- | 0.25 | 0.43 | | 12/16/04 | 13.00 +/- | 0.27 | 0.45 | |
| 10/17/04 | | | | No Sample - Dry | 11/17/04 | 11.81 +/- | 0.25 | 0.43 | | 12/17/04 | 13.65 +/- | 0.27 | 0.45 | |
| 10/18/04 | 3.63 +/- | 0.18 | 0.44 | | 11/18/04 | 12.69 +/- | 0.26 | 0.43 | | 12/18/04 | 14.60 +/- | 0.28 | 0.45 | |
| 10/19/04 | 5.40 +/- | 0.20 | 0.44 | | 11/19/04 | 6.94 +/- | 0.21 | 0.43 | | 12/19/04 | 14.81 +/- | 0.28 | 0.45 | |
| 10/20/04 | 10.47 +/- | 0.24 | 0.44 | | 11/20/04 | 9.83 +/- | 0.24 | 0.43 | | 12/20/04 | | | | No Sample - Frozen Line |
| 10/21/04 | 10.22 +/- | 0.24 | 0.44 | | 11/21/04 | 10.59 +/- | 0.24 | 0.43 | | 12/21/04 | 15.81 +/- | 0.29 | 0.45 | |
| 10/22/04 | 11.77 +/- | 0.25 | 0.44 | | 11/22/04 | 11.92 +/- | 0.25 | 0.43 | | 12/22/04 | 16.40 +/- | 0.29 | 0.45 | |
| 10/23/04 | 9.88 +/- | 0.24 | 0.44 | | 11/23/04 | 12.62 +/- | 0.26 | 0.43 | | 12/23/04 | 14.71 +/- | 0.28 | 0.44 | |
| 10/24/04 | 12.89 +/- | 0.26 | 0.44 | | 11/24/04 | 7.86 +/- | 0.22 | 0.44 | | 12/24/04 | | | | No Sample - Frozen Line |
| 10/25/04 | 12.79 +/- | 0.26 | 0.44 | | 11/25/04 | 9.11 +/- | 0.23 | 0.44 | | 12/25/04 | | | | No Sample - Frozen Line |
| 10/26/04 | 11.87 +/- | 0.26 | 0.44 | | 11/26/04 | 11.03 +/- | 0.25 | 0.44 | | 12/26/04 | | | | No Sample - Frozen Line |
| 10/27/04 | 14.16 +/- | 0.27 | 0.44 | | 11/27/04 | 8.61 +/- | 0.23 | 0.44 | | 12/27/04 | | | | No Sample - Frozen Line |
| 10/28/04 | 13.96 +/- | 0.27 | 0.44 | | 11/28/04 | 10.16 +/- | 0.24 | 0.44 | | 12/28/04 | 23.68 +/- | 0.34 | 0.44 | |
| 10/29/04 | 13.30 +/- | 0.27 | 0.44 | | 11/29/04 | 10.95 +/- | 0.25 | 0.44 | | 12/29/04 | 23.05 +/- | 0.33 | 0.44 | |
| 10/30/04 | 12.93 +/- | 0.26 | 0.44 | | 11/30/04 | 5.24 +/- | 0.20 | 0.44 | | 12/30/04 | 23.59 +/- | 0.34 | 0.44 | |
| 10/31/04 | 12.41 +/- | 0.26 | 0.44 | | | | | | | 12/31/04 | 19.28 +/- | 0.31 | 0.44 | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Location 143

| Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments |
|----------|----------------------|------|------|-------------------------|----------|----------------------|------|------|----------|----------|----------------------|------|------|----------------------|
| 01/01/04 | 0.31 +/- | 0.15 | 0.47 | | 02/01/04 | 0.29 +/- | 0.14 | 0.46 | | 03/01/04 | 0.19 +/- | 0.14 | 0.45 | |
| 01/02/04 | 0.20 +/- | 0.15 | 0.47 | | 02/02/04 | 0.23 +/- | 0.14 | 0.46 | | 03/02/04 | 0.00 +/- | 0.14 | 0.45 | |
| 01/03/04 | 0.33 +/- | 0.15 | 0.47 | | 02/03/04 | 0.22 +/- | 0.14 | 0.46 | | 03/03/04 | 0.02 +/- | 0.13 | 0.44 | |
| 01/04/04 | 0.33 +/- | 0.15 | 0.47 | | 02/04/04 | 0.01 +/- | 0.14 | 0.46 | | 03/04/04 | 0.36 +/- | 0.14 | 0.44 | |
| 01/05/04 | 0.15 +/- | 0.14 | 0.47 | | 02/05/04 | 0.00 +/- | 0.14 | 0.46 | | 03/05/04 | 0.02 +/- | 0.13 | 0.44 | |
| 01/06/04 | 0.51 +/- | 0.15 | 0.47 | | 02/06/04 | 0.00 +/- | 0.14 | 0.46 | | 03/06/04 | 0.02 +/- | 0.13 | 0.44 | |
| 01/07/04 | 0.03 +/- | 0.14 | 0.47 | | 02/07/04 | 0.00 +/- | 0.14 | 0.46 | | 03/07/04 | | | | Sampler line washout |
| 01/08/04 | 0.00 +/- | 0.14 | 0.47 | | 02/08/04 | 0.19 +/- | 0.14 | 0.46 | | 03/08/04 | 0.25 +/- | 0.14 | 0.44 | |
| 01/09/04 | 0.00 +/- | 0.14 | 0.47 | | 02/09/04 | 0.11 +/- | 0.14 | 0.46 | | 03/09/04 | 0.03 +/- | 0.13 | 0.44 | |
| 01/10/04 | 0.09 +/- | 0.14 | 0.47 | | 02/10/04 | 0.19 +/- | 0.14 | 0.46 | | 03/10/04 | 0.28 +/- | 0.14 | 0.45 | |
| 01/11/04 | 0.14 +/- | 0.14 | 0.47 | | 02/11/04 | 0.09 +/- | 0.14 | 0.45 | | 03/11/04 | 0.22 +/- | 0.14 | 0.45 | |
| 01/12/04 | 0.00 +/- | 0.14 | 0.47 | | 02/12/04 | 0.32 +/- | 0.14 | 0.45 | | 03/12/04 | 0.43 +/- | 0.14 | 0.45 | |
| 01/13/04 | 0.00 +/- | 0.14 | 0.47 | | 02/13/04 | 0.01 +/- | 0.14 | 0.45 | | 03/13/04 | 0.35 +/- | 0.14 | 0.45 | |
| 01/14/04 | 0.00 +/- | 0.14 | 0.47 | | 02/14/04 | 0.28 +/- | 0.14 | 0.45 | | 03/14/04 | 0.46 +/- | 0.14 | 0.45 | |
| 01/15/04 | 0.00 +/- | 0.14 | 0.47 | | 02/15/04 | 0.08 +/- | 0.14 | 0.45 | | 03/15/04 | 0.53 +/- | 0.14 | 0.45 | |
| 01/16/04 | 0.12 +/- | 0.14 | 0.47 | | 02/16/04 | 0.22 +/- | 0.14 | 0.45 | | 03/16/04 | 0.57 +/- | 0.14 | 0.45 | |
| 01/17/04 | 0.21 +/- | 0.15 | 0.47 | | 02/17/04 | 0.20 +/- | 0.14 | 0.45 | | 03/17/04 | 0.42 +/- | 0.14 | 0.44 | |
| 01/18/04 | 0.00 +/- | 0.14 | 0.47 | | 02/18/04 | 0.00 +/- | 0.15 | 0.51 | | 03/18/04 | 0.52 +/- | 0.14 | 0.44 | |
| 01/19/04 | 0.04 +/- | 0.14 | 0.47 | | 02/19/04 | 0.00 +/- | 0.15 | 0.51 | | 03/19/04 | 0.54 +/- | 0.14 | 0.44 | |
| 01/20/04 | 0.02 +/- | 0.14 | 0.47 | | 02/20/04 | 0.00 +/- | 0.15 | 0.51 | | 03/20/04 | 0.39 +/- | 0.14 | 0.44 | |
| 01/21/04 | 0.12 +/- | 0.14 | 0.45 | | 02/21/04 | 0.00 +/- | 0.15 | 0.51 | | 03/21/04 | 0.45 +/- | 0.14 | 0.44 | |
| 01/22/04 | 0.28 +/- | 0.14 | 0.45 | | 02/22/04 | 0.00 +/- | 0.15 | 0.51 | | 03/22/04 | 0.41 +/- | 0.14 | 0.44 | |
| 01/23/04 | 0.10 +/- | 0.14 | 0.45 | | 02/23/04 | 0.00 +/- | 0.15 | 0.51 | | 03/23/04 | 0.32 +/- | 0.14 | 0.44 | |
| 01/24/04 | 0.24 +/- | 0.14 | 0.45 | | 02/24/04 | 0.00 +/- | 0.15 | 0.51 | | 03/24/04 | 0.56 +/- | 0.14 | 0.45 | |
| 01/25/04 | 0.00 +/- | 0.14 | 0.45 | | 02/25/04 | 0.08 +/- | 0.14 | 0.45 | | 03/25/04 | 0.44 +/- | 0.14 | 0.45 | |
| 01/26/04 | 0.24 +/- | 0.14 | 0.45 | | 02/26/04 | 0.11 +/- | 0.14 | 0.45 | | 03/26/04 | 0.24 +/- | 0.14 | 0.45 | |
| 01/27/04 | 0.04 +/- | 0.14 | 0.45 | | 02/27/04 | 0.07 +/- | 0.14 | 0.45 | | 03/27/04 | 0.39 +/- | 0.14 | 0.45 | |
| 01/28/04 | 0.16 +/- | 0.14 | 0.46 | | 02/28/04 | 0.20 +/- | 0.14 | 0.45 | | 03/28/04 | 0.40 +/- | 0.14 | 0.45 | |
| 01/29/04 | 0.39 +/- | 0.14 | 0.46 | | 02/29/04 | 0.03 +/- | 0.14 | 0.45 | | 03/29/04 | 0.33 +/- | 0.14 | 0.45 | |
| 01/30/04 | | | | No Sample - Frozen Line | | | | | | 03/30/04 | 0.17 +/- | 0.14 | 0.45 | |
| 01/31/04 | 0.30 +/- | 0.14 | 0.46 | | | | | | | 03/31/04 | 0.19 +/- | 0.14 | 0.45 | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Location 143

| Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | |
|----------|----------------------|------|------|----------|----------|----------------------|------|------|----------|----------|----------------------|------|------|----------|--|
| 04/01/04 | 0.06 +/- | 0.14 | 0.45 | | 05/01/04 | 0.20 +/- | 0.14 | 0.45 | | 06/01/04 | 0.00 +/- | 0.14 | 0.45 | | |
| 04/02/04 | 0.24 +/- | 0.14 | 0.45 | | 05/02/04 | 0.25 +/- | 0.14 | 0.45 | | 06/02/04 | 0.22 +/- | 0.14 | 0.44 | | |
| 04/03/04 | 0.37 +/- | 0.14 | 0.45 | | 05/03/04 | 0.43 +/- | 0.14 | 0.45 | | 06/03/04 | 0.22 +/- | 0.14 | 0.44 | | |
| 04/04/04 | 0.29 +/- | 0.14 | 0.45 | | 05/04/04 | 0.34 +/- | 0.14 | 0.45 | | 06/04/04 | 0.36 +/- | 0.14 | 0.44 | | |
| 04/05/04 | 0.37 +/- | 0.14 | 0.45 | | 05/05/04 | 0.25 +/- | 0.14 | 0.44 | | 06/05/04 | 0.00 +/- | 0.13 | 0.44 | | |
| 04/06/04 | 0.21 +/- | 0.14 | 0.45 | | 05/06/04 | 0.34 +/- | 0.14 | 0.44 | | 06/06/04 | 0.31 +/- | 0.14 | 0.44 | | |
| 04/07/04 | 1.49 +/- | 0.16 | 0.45 | | 05/07/04 | 0.25 +/- | 0.14 | 0.44 | | 06/07/04 | 0.37 +/- | 0.14 | 0.44 | | |
| 04/08/04 | 1.23 +/- | 0.15 | 0.45 | | 05/08/04 | 0.39 +/- | 0.14 | 0.44 | | 06/08/04 | 0.25 +/- | 0.14 | 0.44 | | |
| 04/09/04 | 1.32 +/- | 0.15 | 0.45 | | 05/09/04 | 0.23 +/- | 0.14 | 0.44 | | 06/09/04 | 0.23 +/- | 0.14 | 0.44 | | |
| 04/10/04 | 1.12 +/- | 0.15 | 0.45 | | 05/10/04 | 0.35 +/- | 0.14 | 0.44 | | 06/10/04 | 0.28 +/- | 0.14 | 0.44 | | |
| 04/11/04 | 1.06 +/- | 0.15 | 0.45 | | 05/11/04 | 0.47 +/- | 0.14 | 0.44 | | 06/11/04 | 0.19 +/- | 0.14 | 0.44 | | |
| 04/12/04 | 1.73 +/- | 0.16 | 0.45 | | 05/12/04 | 0.43 +/- | 0.14 | 0.44 | | 06/12/04 | 0.17 +/- | 0.14 | 0.44 | | |
| 04/13/04 | 1.24 +/- | 0.15 | 0.45 | | 05/13/04 | 0.46 +/- | 0.14 | 0.44 | | 06/13/04 | 0.29 +/- | 0.14 | 0.44 | | |
| 04/14/04 | 0.05 +/- | 0.14 | 0.45 | | 05/14/04 | 0.35 +/- | 0.14 | 0.44 | | 06/14/04 | 0.27 +/- | 0.14 | 0.44 | | |
| 04/15/04 | 0.23 +/- | 0.14 | 0.45 | | 05/15/04 | 0.33 +/- | 0.14 | 0.44 | | 06/15/04 | 0.23 +/- | 0.14 | 0.44 | | |
| 04/16/04 | 0.33 +/- | 0.14 | 0.45 | | 05/16/04 | 0.49 +/- | 0.14 | 0.44 | | 06/16/04 | 0.19 +/- | 0.13 | 0.43 | | |
| 04/17/04 | 0.07 +/- | 0.14 | 0.45 | | 05/17/04 | 0.40 +/- | 0.14 | 0.44 | | 06/17/04 | 0.21 +/- | 0.13 | 0.43 | | |
| 04/18/04 | 0.25 +/- | 0.14 | 0.45 | | 05/18/04 | 0.33 +/- | 0.14 | 0.44 | | 06/18/04 | 0.19 +/- | 0.13 | 0.43 | | |
| 04/19/04 | 0.31 +/- | 0.14 | 0.45 | | 05/19/04 | 0.25 +/- | 0.14 | 0.46 | | 06/19/04 | 0.30 +/- | 0.13 | 0.43 | | |
| 04/20/04 | 0.21 +/- | 0.14 | 0.45 | | 05/20/04 | 0.30 +/- | 0.15 | 0.46 | | 06/20/04 | 0.27 +/- | 0.13 | 0.43 | | |
| 04/21/04 | 0.32 +/- | 0.14 | 0.44 | | 05/21/04 | 0.34 +/- | 0.15 | 0.46 | | 06/21/04 | 0.33 +/- | 0.14 | 0.43 | | |
| 04/22/04 | 0.27 +/- | 0.14 | 0.44 | | 05/22/04 | 0.37 +/- | 0.15 | 0.46 | | 06/22/04 | 0.35 +/- | 0.14 | 0.43 | | |
| 04/23/04 | 0.10 +/- | 0.13 | 0.44 | | 05/23/04 | 0.14 +/- | 0.14 | 0.46 | | 06/23/04 | 0.28 +/- | 0.14 | 0.44 | | |
| 04/24/04 | 0.46 +/- | 0.14 | 0.44 | | 05/24/04 | 0.27 +/- | 0.14 | 0.46 | | 06/24/04 | 0.20 +/- | 0.14 | 0.44 | | |
| 04/25/04 | 0.43 +/- | 0.14 | 0.44 | | 05/25/04 | 0.42 +/- | 0.15 | 0.46 | | 06/25/04 | 0.00 +/- | 0.13 | 0.44 | | |
| 04/26/04 | 0.30 +/- | 0.14 | 0.44 | | 05/26/04 | 0.16 +/- | 0.14 | 0.45 | | 06/26/04 | 0.37 +/- | 0.14 | 0.44 | | |
| 04/27/04 | 0.45 +/- | 0.14 | 0.44 | | 05/27/04 | 0.30 +/- | 0.14 | 0.45 | | 06/27/04 | 0.24 +/- | 0.14 | 0.44 | | |
| 04/28/04 | 0.13 +/- | 0.14 | 0.45 | | 05/28/04 | 0.19 +/- | 0.14 | 0.45 | | 06/28/04 | 0.17 +/- | 0.14 | 0.44 | | |
| 04/29/04 | 0.13 +/- | 0.14 | 0.45 | | 05/29/04 | 0.11 +/- | 0.14 | 0.45 | | 06/29/04 | 0.11 +/- | 0.14 | 0.44 | | |
| 04/30/04 | 0.14 +/- | 0.14 | 0.45 | | 05/30/04 | 0.00 +/- | 0.14 | 0.45 | | 06/30/04 | 0.18 +/- | 0.13 | 0.44 | | |
| | | | | | 05/31/04 | 0.26 +/- | 0.14 | 0.45 | | | | | | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Location 143

| Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments |
|----------|----------------------|------|------|----------|----------|----------------------|------|------|----------|----------|----------------------|------|------|----------|
| 07/01/04 | 0.22 +/- | 0.14 | 0.44 | | 08/01/04 | 0.02 +/- | 0.13 | 0.44 | | 09/01/04 | 0.20 +/- | 0.14 | 0.44 | |
| 07/02/04 | 0.17 +/- | 0.13 | 0.44 | | 08/02/04 | 0.13 +/- | 0.13 | 0.44 | | 09/02/04 | 0.29 +/- | 0.14 | 0.44 | |
| 07/03/04 | 0.20 +/- | 0.14 | 0.44 | | 08/03/04 | 0.11 +/- | 0.13 | 0.44 | | 09/03/04 | 0.11 +/- | 0.13 | 0.44 | |
| 07/04/04 | 0.20 +/- | 0.14 | 0.44 | | 08/04/04 | 0.00 +/- | 0.13 | 0.43 | | 09/04/04 | 0.01 +/- | 0.13 | 0.44 | |
| 07/05/04 | 0.33 +/- | 0.14 | 0.44 | | 08/05/04 | 0.00 +/- | 0.13 | 0.43 | | 09/05/04 | 0.12 +/- | 0.13 | 0.44 | |
| 07/06/04 | 0.28 +/- | 0.14 | 0.44 | | 08/06/04 | 0.16 +/- | 0.13 | 0.43 | | 09/06/04 | 0.14 +/- | 0.13 | 0.44 | |
| 07/07/04 | 0.34 +/- | 0.14 | 0.45 | | 08/07/04 | 0.33 +/- | 0.14 | 0.43 | | 09/07/04 | 0.25 +/- | 0.14 | 0.44 | |
| 07/08/04 | 0.23 +/- | 0.14 | 0.45 | | 08/08/04 | 0.22 +/- | 0.13 | 0.43 | | 09/08/04 | 0.00 +/- | 0.13 | 0.44 | |
| 07/09/04 | 0.15 +/- | 0.14 | 0.45 | | 08/09/04 | 0.11 +/- | 0.13 | 0.43 | | 09/09/04 | 0.00 +/- | 0.13 | 0.44 | |
| 07/10/04 | 0.26 +/- | 0.14 | 0.45 | | 08/10/04 | 0.27 +/- | 0.13 | 0.43 | | 09/10/04 | 0.19 +/- | 0.14 | 0.44 | |
| 07/11/04 | 0.04 +/- | 0.14 | 0.45 | | 08/11/04 | 0.19 +/- | 0.13 | 0.43 | | 09/11/04 | 0.19 +/- | 0.14 | 0.44 | |
| 07/12/04 | 0.12 +/- | 0.14 | 0.45 | | 08/12/04 | 0.20 +/- | 0.13 | 0.43 | | 09/12/04 | 0.12 +/- | 0.13 | 0.44 | |
| 07/13/04 | 0.19 +/- | 0.14 | 0.45 | | 08/13/04 | 0.16 +/- | 0.13 | 0.43 | | 09/13/04 | 0.08 +/- | 0.13 | 0.44 | |
| 07/14/04 | 0.09 +/- | 0.13 | 0.44 | | 08/14/04 | 0.19 +/- | 0.13 | 0.43 | | 09/14/04 | 0.18 +/- | 0.14 | 0.44 | |
| 07/15/04 | 0.23 +/- | 0.14 | 0.44 | | 08/15/04 | 0.23 +/- | 0.14 | 0.43 | | 09/15/04 | 0.08 +/- | 0.14 | 0.45 | |
| 07/16/04 | 0.04 +/- | 0.13 | 0.44 | | 08/16/04 | 0.22 +/- | 0.13 | 0.43 | | 09/16/04 | 0.00 +/- | 0.13 | 0.45 | |
| 07/17/04 | 0.10 +/- | 0.13 | 0.44 | | 08/17/04 | 0.20 +/- | 0.13 | 0.43 | | 09/17/04 | 0.00 +/- | 0.13 | 0.45 | |
| 07/18/04 | 0.39 +/- | 0.14 | 0.44 | | 08/18/04 | 0.26 +/- | 0.13 | 0.43 | | 09/18/04 | 0.00 +/- | 0.14 | 0.45 | |
| 07/19/04 | 0.22 +/- | 0.14 | 0.44 | | 08/19/04 | 0.27 +/- | 0.13 | 0.43 | | 09/19/04 | 0.00 +/- | 0.14 | 0.45 | |
| 07/20/04 | 0.24 +/- | 0.14 | 0.44 | | 08/20/04 | 0.16 +/- | 0.13 | 0.43 | | 09/20/04 | 0.00 +/- | 0.13 | 0.45 | |
| 07/21/04 | 0.13 +/- | 0.14 | 0.45 | | 08/21/04 | 0.26 +/- | 0.13 | 0.43 | | 09/21/04 | 0.06 +/- | 0.14 | 0.45 | |
| 07/22/04 | 0.00 +/- | 0.14 | 0.45 | | 08/22/04 | 0.33 +/- | 0.14 | 0.43 | | 09/22/04 | 0.15 +/- | 0.14 | 0.44 | |
| 07/23/04 | 0.09 +/- | 0.14 | 0.45 | | 08/23/04 | 0.21 +/- | 0.13 | 0.43 | | 09/23/04 | 0.30 +/- | 0.14 | 0.44 | |
| 07/24/04 | 0.00 +/- | 0.13 | 0.45 | | 08/24/04 | 0.23 +/- | 0.13 | 0.43 | | 09/24/04 | 0.13 +/- | 0.14 | 0.44 | |
| 07/25/04 | 0.11 +/- | 0.14 | 0.45 | | 08/25/04 | 0.27 +/- | 0.13 | 0.43 | | 09/25/04 | 0.18 +/- | 0.14 | 0.44 | |
| 07/26/04 | 0.06 +/- | 0.14 | 0.45 | | 08/26/04 | 0.15 +/- | 0.13 | 0.43 | | 09/26/04 | 0.28 +/- | 0.14 | 0.44 | |
| 07/27/04 | 0.00 +/- | 0.14 | 0.45 | | 08/27/04 | 0.28 +/- | 0.13 | 0.43 | | 09/27/04 | 0.28 +/- | 0.14 | 0.44 | |
| 07/28/04 | 0.10 +/- | 0.13 | 0.44 | | 08/28/04 | 0.23 +/- | 0.13 | 0.43 | | 09/28/04 | 0.20 +/- | 0.14 | 0.44 | |
| 07/29/04 | 0.23 +/- | 0.14 | 0.44 | | 08/29/04 | 0.10 +/- | 0.13 | 0.43 | | 09/29/04 | 0.44 +/- | 0.14 | 0.43 | |
| 07/30/04 | 0.43 +/- | 0.14 | 0.44 | | 08/30/04 | 0.24 +/- | 0.13 | 0.43 | | 09/30/04 | 0.37 +/- | 0.14 | 0.43 | |
| 07/31/04 | 0.00 +/- | 0.13 | 0.44 | | 08/31/04 | 0.41 +/- | 0.14 | 0.43 | | | | | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Location 143

| Date | Activity (pCi/ml) | Error | mda | Comments | Date | Activity (pCi/ml) | Error | mda | Comments | Date | Activity (pCi/ml) | Error | mda | Comments |
|----------|----------------------|-------|------|----------|----------|----------------------|-------|------|----------|----------|-------------------------|-------|------|----------|
| 10/01/04 | 0.27 +/- | 0.14 | 0.43 | | 11/01/04 | 0.05 +/- | 0.13 | 0.44 | | 12/01/04 | 0.00 +/- | 0.13 | 0.44 | |
| 10/02/04 | 0.32 +/- | 0.14 | 0.43 | | 11/02/04 | 0.09 +/- | 0.13 | 0.44 | | 12/02/04 | 0.00 +/- | 0.13 | 0.44 | |
| 10/03/04 | 0.34 +/- | 0.14 | 0.43 | | 11/03/04 | 0.15 +/- | 0.13 | 0.43 | | 12/03/04 | 0.06 +/- | 0.14 | 0.44 | |
| 10/04/04 | 0.50 +/- | 0.14 | 0.43 | | 11/04/04 | 0.00 +/- | 0.13 | 0.43 | | 12/04/04 | 0.12 +/- | 0.14 | 0.44 | |
| 10/05/04 | 0.29 +/- | 0.14 | 0.43 | | 11/05/04 | 0.24 +/- | 0.14 | 0.43 | | 12/05/04 | 0.00 +/- | 0.13 | 0.44 | |
| 10/06/04 | 0.02 +/- | 0.14 | 0.45 | | 11/06/04 | 0.14 +/- | 0.13 | 0.43 | | 12/06/04 | 0.01 +/- | 0.13 | 0.44 | |
| 10/07/04 | 0.09 +/- | 0.14 | 0.45 | | 11/07/04 | 0.27 +/- | 0.14 | 0.43 | | 12/07/04 | 0.02 +/- | 0.13 | 0.44 | |
| 10/08/04 | 0.19 +/- | 0.14 | 0.45 | | 11/08/04 | 0.14 +/- | 0.13 | 0.43 | | 12/08/04 | 0.04 +/- | 0.13 | 0.44 | |
| 10/09/04 | 0.01 +/- | 0.14 | 0.45 | | 11/09/04 | 0.18 +/- | 0.13 | 0.43 | | 12/09/04 | 0.00 +/- | 0.13 | 0.44 | |
| 10/10/04 | 0.10 +/- | 0.14 | 0.45 | | 11/10/04 | 0.22 +/- | 0.13 | 0.43 | | 12/10/04 | 0.00 +/- | 0.13 | 0.44 | |
| 10/11/04 | 0.32 +/- | 0.14 | 0.45 | | 11/11/04 | 0.20 +/- | 0.13 | 0.43 | | 12/11/04 | 0.18 +/- | 0.14 | 0.44 | |
| 10/12/04 | 0.22 +/- | 0.14 | 0.45 | | 11/12/04 | 0.00 +/- | 0.13 | 0.43 | | 12/12/04 | 0.00 +/- | 0.13 | 0.44 | |
| 10/13/04 | 0.11 +/- | 0.14 | 0.45 | | 11/13/04 | 0.13 +/- | 0.13 | 0.43 | | 12/13/04 | 0.06 +/- | 0.13 | 0.44 | |
| 10/14/04 | 0.00 +/- | 0.13 | 0.45 | | 11/14/04 | 0.06 +/- | 0.13 | 0.43 | | 12/14/04 | 0.04 +/- | 0.13 | 0.44 | |
| 10/15/04 | 0.15 +/- | 0.14 | 0.45 | | 11/15/04 | 0.00 +/- | 0.13 | 0.43 | | 12/15/04 | 0.10 +/- | 0.13 | 0.44 | |
| 10/16/04 | 0.11 +/- | 0.14 | 0.45 | | 11/16/04 | 0.24 +/- | 0.13 | 0.43 | | 12/16/04 | 0.05 +/- | 0.13 | 0.44 | |
| 10/17/04 | 0.15 +/- | 0.14 | 0.45 | | 11/17/04 | 0.29 +/- | 0.14 | 0.44 | | 12/17/04 | 0.01 +/- | 0.13 | 0.44 | |
| 10/18/04 | 0.09 +/- | 0.14 | 0.45 | | 11/18/04 | 0.18 +/- | 0.14 | 0.44 | | 12/18/04 | 0.21 +/- | 0.14 | 0.44 | |
| 10/19/04 | 0.00 +/- | 0.14 | 0.45 | | 11/19/04 | 0.04 +/- | 0.13 | 0.44 | | 12/19/04 | 0.01 +/- | 0.13 | 0.44 | |
| 10/20/04 | 0.02 +/- | 0.14 | 0.45 | | 11/20/04 | 0.24 +/- | 0.14 | 0.44 | | 12/20/04 | No Sample - Frozen Line | | | |
| 10/21/04 | 0.18 +/- | 0.14 | 0.45 | | 11/21/04 | 0.19 +/- | 0.14 | 0.44 | | 12/21/04 | 0.19 +/- | 0.14 | 0.44 | |
| 10/22/04 | 0.26 +/- | 0.14 | 0.45 | | 11/22/04 | 0.17 +/- | 0.14 | 0.44 | | 12/22/04 | 0.14 +/- | 0.13 | 0.44 | |
| 10/23/04 | 0.11 +/- | 0.14 | 0.45 | | 11/23/04 | 0.28 +/- | 0.14 | 0.44 | | 12/23/04 | 0.04 +/- | 0.13 | 0.44 | |
| 10/24/04 | 0.10 +/- | 0.14 | 0.45 | | 11/24/04 | 0.00 +/- | 0.14 | 0.45 | | 12/24/04 | 0.03 +/- | 0.13 | 0.44 | |
| 10/25/04 | 0.05 +/- | 0.14 | 0.45 | | 11/25/04 | 0.07 +/- | 0.14 | 0.45 | | 12/25/04 | 0.00 +/- | 0.13 | 0.44 | |
| 10/26/04 | 0.07 +/- | 0.14 | 0.45 | | 11/26/04 | 0.00 +/- | 0.14 | 0.45 | | 12/26/04 | 0.13 +/- | 0.13 | 0.44 | |
| 10/27/04 | 0.19 +/- | 0.14 | 0.44 | | 11/27/04 | 0.10 +/- | 0.14 | 0.45 | | 12/27/04 | 0.06 +/- | 0.13 | 0.44 | |
| 10/28/04 | 0.29 +/- | 0.14 | 0.44 | | 11/28/04 | 0.11 +/- | 0.14 | 0.45 | | 12/28/04 | 0.24 +/- | 0.14 | 0.44 | |
| 10/29/04 | 0.13 +/- | 0.14 | 0.44 | | 11/29/04 | 0.07 +/- | 0.14 | 0.45 | | 12/29/04 | 0.07 +/- | 0.13 | 0.43 | |
| 10/30/04 | 0.24 +/- | 0.14 | 0.44 | | 11/30/04 | 0.00 +/- | 0.14 | 0.45 | | 12/30/04 | 0.05 +/- | 0.13 | 0.43 | |
| 10/31/04 | 0.19 +/- | 0.14 | 0.44 | | | | | | | 12/31/04 | 0.15 +/- | 0.13 | 0.43 | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Location 144

| Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments |
|----------|----------------------|------|------|-------------------------|----------|----------------------|------|------|-------------------------|----------|----------------------|------|------|----------------------|
| 01/01/04 | 84.83 +/- | 0.59 | 0.39 | | 02/01/04 | | | | No Sample - Frozen Line | 03/01/04 | 56.33 +/- | 0.48 | 0.45 | |
| 01/02/04 | 29.00 +/- | 0.36 | 0.39 | | 02/02/04 | 16.08 +/- | 0.28 | 0.43 | | 03/02/04 | 36.59 +/- | 0.40 | 0.45 | |
| 01/03/04 | 29.38 +/- | 0.36 | 0.39 | | 02/03/04 | 29.39 +/- | 0.36 | 0.43 | | 03/03/04 | 32.51 +/- | 0.38 | 0.45 | |
| 01/04/04 | 42.96 +/- | 0.43 | 0.39 | | 02/04/04 | 90.09 +/- | 0.60 | 0.43 | | 03/04/04 | 48.77 +/- | 0.45 | 0.43 | |
| 01/05/04 | 10.32 +/- | 0.23 | 0.39 | | 02/05/04 | 32.23 +/- | 0.38 | 0.46 | | 03/05/04 | 48.08 +/- | 0.45 | 0.43 | |
| 01/06/04 | 25.17 +/- | 0.34 | 0.39 | | 02/06/04 | 14.10 +/- | 0.27 | 0.46 | | 03/06/04 | 5.85 +/- | 0.20 | 0.43 | |
| 01/07/04 | 91.98 +/- | 0.61 | 0.39 | | 02/07/04 | 38.09 +/- | 0.41 | 0.46 | | 03/07/04 | | | | Sampler line washout |
| 01/08/04 | 58.28 +/- | 0.49 | 0.47 | | 02/08/04 | 112.00 +/- | 0.67 | 0.46 | | 03/08/04 | 90.46 +/- | 0.60 | 0.43 | |
| 01/09/04 | 55.48 +/- | 0.49 | 0.47 | | 02/09/04 | 115.43 +/- | 0.68 | 0.46 | | 03/09/04 | 106.20 +/- | 0.65 | 0.43 | |
| 01/10/04 | | | | No Sample - Frozen Line | 02/10/04 | 115.58 +/- | 0.68 | 0.46 | | 03/10/04 | 118.44 +/- | 0.68 | 0.43 | |
| 01/11/04 | 17.75 +/- | 0.30 | 0.47 | | 02/11/04 | 111.78 +/- | 0.67 | 0.46 | | 03/11/04 | 134.21 +/- | 0.74 | 0.44 | |
| 01/12/04 | 88.93 +/- | 0.60 | 0.47 | | 02/12/04 | 110.24 +/- | 0.67 | 0.43 | | 03/12/04 | 136.66 +/- | 0.74 | 0.44 | |
| 01/13/04 | 88.90 +/- | 0.60 | 0.47 | | 02/13/04 | 110.27 +/- | 0.67 | 0.43 | | 03/13/04 | 144.41 +/- | 0.76 | 0.44 | |
| 01/14/04 | 88.17 +/- | 0.60 | 0.47 | | 02/14/04 | 132.70 +/- | 0.73 | 0.43 | | 03/14/04 | 85.84 +/- | 0.59 | 0.44 | |
| 01/15/04 | 94.26 +/- | 0.62 | 0.47 | | 02/15/04 | 140.64 +/- | 0.75 | 0.43 | | 03/15/04 | 96.56 +/- | 0.63 | 0.44 | |
| 01/16/04 | 109.54 +/- | 0.67 | 0.47 | | 02/16/04 | 138.10 +/- | 0.74 | 0.43 | | 03/16/04 | 33.52 +/- | 0.39 | 0.44 | |
| 01/17/04 | 39.82 +/- | 0.42 | 0.47 | | 02/17/04 | 152.18 +/- | 0.78 | 0.43 | | 03/17/04 | 60.34 +/- | 0.50 | 0.44 | |
| 01/18/04 | 7.11 +/- | 0.22 | 0.47 | | 02/18/04 | 154.39 +/- | 0.78 | 0.43 | | 03/18/04 | 30.88 +/- | 0.37 | 0.45 | |
| 01/19/04 | 15.17 +/- | 0.28 | 0.47 | | 02/19/04 | 165.74 +/- | 0.81 | 0.47 | | 03/19/04 | 77.98 +/- | 0.57 | 0.45 | |
| 01/20/04 | | | | No Sample - Frozen Line | 02/20/04 | 112.30 +/- | 0.67 | 0.47 | | 03/20/04 | 29.33 +/- | 0.36 | 0.45 | |
| 01/21/04 | | | | No Sample - Frozen Line | 02/21/04 | 111.54 +/- | 0.67 | 0.47 | | 03/21/04 | 127.35 +/- | 0.72 | 0.45 | |
| 01/22/04 | 105.90 +/- | 0.65 | 0.45 | | 02/22/04 | 177.59 +/- | 0.84 | 0.47 | | 03/22/04 | 128.32 +/- | 0.72 | 0.45 | |
| 01/23/04 | | | | No Sample - Frozen Line | 02/23/04 | 176.64 +/- | 0.84 | 0.47 | | 03/23/04 | 129.42 +/- | 0.72 | 0.45 | |
| 01/24/04 | | | | No Sample - Frozen Line | 02/24/04 | 179.36 +/- | 0.84 | 0.47 | | 03/24/04 | 127.42 +/- | 0.72 | 0.45 | |
| 01/25/04 | 106.32 +/- | 0.66 | 0.45 | | 02/25/04 | 178.56 +/- | 0.84 | 0.47 | | 03/25/04 | 138.13 +/- | 0.75 | 0.44 | |
| 01/26/04 | 105.07 +/- | 0.65 | 0.45 | | 02/26/04 | 19.06 +/- | 0.30 | 0.45 | | 03/26/04 | 133.49 +/- | 0.73 | 0.44 | |
| 01/27/04 | | | | No Sample - Frozen Line | 02/27/04 | 19.33 +/- | 0.30 | 0.45 | | 03/27/04 | 63.91 +/- | 0.52 | 0.44 | |
| 01/28/04 | | | | No Sample - Frozen Line | 02/28/04 | 19.22 +/- | 0.30 | 0.45 | | 03/28/04 | 138.93 +/- | 0.75 | 0.44 | |
| 01/29/04 | 100.25 +/- | 0.63 | 0.43 | | 02/29/04 | 18.71 +/- | 0.30 | 0.45 | | 03/29/04 | 92.34 +/- | 0.61 | 0.44 | |
| 01/30/04 | | | | No Sample - Frozen Line | | | | | | 03/30/04 | 27.98 +/- | 0.36 | 0.44 | |
| 01/31/04 | | | | No Sample - Frozen Line | | | | | | 03/31/04 | 61.52 +/- | 0.51 | 0.44 | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Location 144

| Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | |
|----------|----------------------|------|------|----------|----------|----------------------|------|------|----------|----------|----------------------|------|------|----------|--|
| 04/01/04 | 66.51 +/- | 0.53 | 0.45 | | 05/01/04 | 63.63 +/- | 0.52 | 0.45 | | 06/01/04 | 41.78 +/- | 0.43 | 0.45 | | |
| 04/02/04 | 16.47 +/- | 0.29 | 0.45 | | 05/02/04 | 23.48 +/- | 0.33 | 0.45 | | 06/02/04 | 17.93 +/- | 0.30 | 0.45 | | |
| 04/03/04 | 83.87 +/- | 0.59 | 0.45 | | 05/03/04 | 101.32 +/- | 0.64 | 0.45 | | 06/03/04 | 57.26 +/- | 0.50 | 0.45 | | |
| 04/04/04 | 117.00 +/- | 0.69 | 0.45 | | 05/04/04 | 76.63 +/- | 0.56 | 0.45 | | 06/04/04 | 19.17 +/- | 0.31 | 0.45 | | |
| 04/05/04 | 134.31 +/- | 0.74 | 0.45 | | 05/05/04 | 82.58 +/- | 0.59 | 0.45 | | 06/05/04 | 63.01 +/- | 0.52 | 0.45 | | |
| 04/06/04 | 148.59 +/- | 0.77 | 0.45 | | 05/06/04 | 126.17 +/- | 0.72 | 0.45 | | 06/06/04 | 87.50 +/- | 0.61 | 0.45 | | |
| 04/07/04 | 160.65 +/- | 0.80 | 0.45 | | 05/07/04 | 139.19 +/- | 0.75 | 0.45 | | 06/07/04 | 99.21 +/- | 0.64 | 0.45 | | |
| 04/08/04 | 190.84 +/- | 0.88 | 0.44 | | 05/08/04 | 146.85 +/- | 0.77 | 0.45 | | 06/08/04 | 105.94 +/- | 0.66 | 0.45 | | |
| 04/09/04 | 217.82 +/- | 0.93 | 0.44 | | 05/09/04 | 160.39 +/- | 0.81 | 0.45 | | 06/09/04 | 65.43 +/- | 0.53 | 0.45 | | |
| 04/10/04 | 189.68 +/- | 0.87 | 0.44 | | 05/10/04 | 86.85 +/- | 0.60 | 0.45 | | 06/10/04 | 49.04 +/- | 0.46 | 0.45 | | |
| 04/11/04 | 192.52 +/- | 0.88 | 0.44 | | 05/11/04 | 66.83 +/- | 0.53 | 0.45 | | 06/11/04 | 21.46 +/- | 0.32 | 0.45 | | |
| 04/12/04 | 16.12 +/- | 0.29 | 0.44 | | 05/12/04 | 113.42 +/- | 0.68 | 0.45 | | 06/12/04 | 11.16 +/- | 0.25 | 0.45 | | |
| 04/13/04 | 19.83 +/- | 0.31 | 0.44 | | 05/13/04 | 107.00 +/- | 0.66 | 0.45 | | 06/13/04 | 30.64 +/- | 0.38 | 0.45 | | |
| 04/14/04 | 66.33 +/- | 0.53 | 0.44 | | 05/14/04 | 67.38 +/- | 0.53 | 0.45 | | 06/14/04 | 37.16 +/- | 0.41 | 0.45 | | |
| 04/15/04 | 116.92 +/- | 0.69 | 0.44 | | 05/15/04 | 63.61 +/- | 0.52 | 0.45 | | 06/15/04 | 26.72 +/- | 0.35 | 0.45 | | |
| 04/16/04 | 136.86 +/- | 0.74 | 0.44 | | 05/16/04 | 93.24 +/- | 0.62 | 0.45 | | 06/16/04 | 37.68 +/- | 0.41 | 0.45 | | |
| 04/17/04 | 149.41 +/- | 0.78 | 0.44 | | 05/17/04 | 124.36 +/- | 0.71 | 0.45 | | 06/17/04 | 72.08 +/- | 0.55 | 0.44 | | |
| 04/18/04 | 166.79 +/- | 0.82 | 0.44 | | 05/18/04 | 152.54 +/- | 0.79 | 0.45 | | 06/18/04 | 86.98 +/- | 0.60 | 0.44 | | |
| 04/19/04 | 176.35 +/- | 0.84 | 0.44 | | 05/19/04 | 15.88 +/- | 0.28 | 0.45 | | 06/19/04 | 32.02 +/- | 0.38 | 0.44 | | |
| 04/20/04 | 134.05 +/- | 0.74 | 0.44 | | 05/20/04 | 53.59 +/- | 0.49 | 0.46 | | 06/20/04 | 62.86 +/- | 0.51 | 0.44 | | |
| 04/21/04 | 53.23 +/- | 0.48 | 0.44 | | 05/21/04 | 96.28 +/- | 0.64 | 0.46 | | 06/21/04 | 81.63 +/- | 0.58 | 0.44 | | |
| 04/22/04 | 18.51 +/- | 0.30 | 0.44 | | 05/22/04 | 123.33 +/- | 0.72 | 0.46 | | 06/22/04 | 54.55 +/- | 0.48 | 0.44 | | |
| 04/23/04 | 34.33 +/- | 0.39 | 0.44 | | 05/23/04 | 138.43 +/- | 0.76 | 0.46 | | 06/23/04 | 46.06 +/- | 0.44 | 0.44 | | |
| 04/24/04 | 85.62 +/- | 0.59 | 0.44 | | 05/24/04 | 83.55 +/- | 0.60 | 0.46 | | 06/24/04 | 66.35 +/- | 0.53 | 0.44 | | |
| 04/25/04 | 50.59 +/- | 0.46 | 0.44 | | 05/25/04 | 33.23 +/- | 0.39 | 0.46 | | 06/25/04 | 33.29 +/- | 0.38 | 0.44 | | |
| 04/26/04 | 56.13 +/- | 0.49 | 0.44 | | 05/26/04 | 7.69 +/- | 0.23 | 0.46 | | 06/26/04 | 52.01 +/- | 0.47 | 0.44 | | |
| 04/27/04 | 96.86 +/- | 0.63 | 0.44 | | 05/27/04 | 7.73 +/- | 0.22 | 0.45 | | 06/27/04 | 59.67 +/- | 0.50 | 0.44 | | |
| 04/28/04 | 130.87 +/- | 0.73 | 0.44 | | 05/28/04 | 34.42 +/- | 0.39 | 0.45 | | 06/28/04 | 69.41 +/- | 0.54 | 0.44 | | |
| 04/29/04 | 134.07 +/- | 0.74 | 0.45 | | 05/29/04 | 88.74 +/- | 0.61 | 0.45 | | 06/29/04 | 79.60 +/- | 0.57 | 0.44 | | |
| 04/30/04 | 21.70 +/- | 0.32 | 0.45 | | 05/30/04 | 7.80 +/- | 0.22 | 0.45 | | 06/30/04 | 84.69 +/- | 0.59 | 0.44 | | |
| | | | | | 05/31/04 | 20.72 +/- | 0.32 | 0.45 | | | | | | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Location 144

| Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | Date | Activity (pCi/ml) | err | mda | Comments | |
|----------|----------------------|------|------|----------|----------|----------------------|------|------|----------|----------|----------------------|------|------|----------|--|
| 07/01/04 | 86.75 +/- | 0.59 | 0.44 | | 08/01/04 | 19.97 +/- | 0.31 | 0.43 | | 09/01/04 | 51.81 +/- | 0.47 | 0.44 | | |
| 07/02/04 | 52.97 +/- | 0.47 | 0.44 | | 08/02/04 | 40.54 +/- | 0.42 | 0.43 | | 09/02/04 | 38.07 +/- | 0.41 | 0.43 | | |
| 07/03/04 | 14.27 +/- | 0.27 | 0.44 | | 08/03/04 | 52.52 +/- | 0.47 | 0.43 | | 09/03/04 | 8.31 +/- | 0.22 | 0.43 | | |
| 07/04/04 | 27.33 +/- | 0.35 | 0.44 | | 08/04/04 | 17.17 +/- | 0.29 | 0.43 | | 09/04/04 | 13.55 +/- | 0.27 | 0.43 | | |
| 07/05/04 | 44.48 +/- | 0.44 | 0.44 | | 08/05/04 | 4.00 +/- | 0.18 | 0.43 | | 09/05/04 | 28.66 +/- | 0.36 | 0.43 | | |
| 07/06/04 | 26.00 +/- | 0.34 | 0.44 | | 08/06/04 | 33.27 +/- | 0.38 | 0.43 | | 09/06/04 | 34.59 +/- | 0.39 | 0.43 | | |
| 07/07/04 | 10.04 +/- | 0.24 | 0.44 | | 08/07/04 | 53.24 +/- | 0.48 | 0.43 | | 09/07/04 | 12.59 +/- | 0.26 | 0.43 | | |
| 07/08/04 | 34.07 +/- | 0.39 | 0.45 | | 08/08/04 | 62.74 +/- | 0.51 | 0.43 | | 09/08/04 | 1.76 +/- | 0.15 | 0.43 | | |
| 07/09/04 | 23.83 +/- | 0.34 | 0.45 | | 08/09/04 | 71.06 +/- | 0.54 | 0.43 | | 09/09/04 | 23.73 +/- | 0.33 | 0.43 | | |
| 07/10/04 | 1.34 +/- | 0.15 | 0.45 | | 08/10/04 | 45.90 +/- | 0.44 | 0.43 | | 09/10/04 | 36.66 +/- | 0.4 | 0.43 | | |
| 07/11/04 | 5.30 +/- | 0.20 | 0.45 | | 08/11/04 | 29.03 +/- | 0.36 | 0.43 | | 09/11/04 | 40.86 +/- | 0.42 | 0.43 | | |
| 07/12/04 | 31.12 +/- | 0.38 | 0.45 | | 08/12/04 | 12.37 +/- | 0.26 | 0.43 | | 09/12/04 | 10.90 +/- | 0.24 | 0.43 | | |
| 07/13/04 | 29.08 +/- | 0.37 | 0.45 | | 08/13/04 | 37.75 +/- | 0.41 | 0.43 | | 09/13/04 | 32.59 +/- | 0.38 | 0.43 | | |
| 07/14/04 | 50.61 +/- | 0.47 | 0.45 | | 08/14/04 | 51.20 +/- | 0.47 | 0.43 | | 09/14/04 | 43.77 +/- | 0.44 | 0.43 | | |
| 07/15/04 | 63.54 +/- | 0.52 | 0.45 | | 08/15/04 | 59.66 +/- | 0.5 | 0.43 | | 09/15/04 | 49.93 +/- | 0.43 | 0.43 | | |
| 07/16/04 | 69.91 +/- | 0.54 | 0.45 | | 08/16/04 | 64.82 +/- | 0.52 | 0.43 | | 09/16/04 | 43.71 +/- | 0.44 | 0.43 | | |
| 07/17/04 | 15.86 +/- | 0.28 | 0.45 | | 08/17/04 | 69.09 +/- | 0.54 | 0.43 | | 09/17/04 | 3.71 +/- | 0.18 | 0.43 | | |
| 07/18/04 | 44.52 +/- | 0.44 | 0.45 | | 08/18/04 | 72.81 +/- | 0.55 | 0.43 | | 09/18/04 | 31.27 +/- | 0.38 | 0.43 | | |
| 07/19/04 | 50.05 +/- | 0.46 | 0.45 | | 08/19/04 | 73.45 +/- | 0.55 | 0.44 | | 09/19/04 | 48.84 +/- | 0.46 | 0.43 | | |
| 07/20/04 | 59.41 +/- | 0.50 | 0.45 | | 08/20/04 | 23.43 +/- | 0.33 | 0.44 | | 09/20/04 | 45.92 +/- | 0.45 | 0.43 | | |
| 07/21/04 | 52.02 +/- | 0.47 | 0.45 | | 08/21/04 | 2.80 +/- | 0.17 | 0.44 | | 09/21/04 | 47.44 +/- | 0.45 | 0.43 | | |
| 07/22/04 | 6.45 +/- | 0.21 | 0.44 | | 08/22/04 | 30.00 +/- | 0.37 | 0.44 | | 09/22/04 | 49.43 +/- | 0.46 | 0.43 | | |
| 07/23/04 | 21.47 +/- | 0.32 | 0.44 | | 08/23/04 | 42.25 +/- | 0.43 | 0.44 | | 09/23/04 | 52.55 +/- | 0.48 | 0.45 | | |
| 07/24/04 | 29.91 +/- | 0.37 | 0.44 | | 08/24/04 | 50.79 +/- | 0.47 | 0.44 | | 09/24/04 | 55.45 +/- | 0.49 | 0.45 | | |
| 07/25/04 | 33.55 +/- | 0.39 | 0.44 | | 08/25/04 | 37.56 +/- | 0.41 | 0.44 | | 09/25/04 | 58.75 +/- | 0.5 | 0.45 | | |
| 07/26/04 | 11.50 +/- | 0.25 | 0.44 | | 08/26/04 | 8.75 +/- | 0.23 | 0.44 | | 09/26/04 | 60.28 +/- | 0.51 | 0.45 | | |
| 07/27/04 | 36.74 +/- | 0.40 | 0.44 | | 08/27/04 | 29.87 +/- | 0.37 | 0.44 | | 09/27/04 | 62.59 +/- | 0.52 | 0.45 | | |
| 07/28/04 | 45.57 +/- | 0.44 | 0.44 | | 08/28/04 | 36.64 +/- | 0.4 | 0.44 | | 09/28/04 | 64.50 +/- | 0.52 | 0.45 | | |
| 07/29/04 | 55.73 +/- | 0.48 | 0.43 | | 08/29/04 | 23.99 +/- | 0.34 | 0.44 | | 09/29/04 | 63.65 +/- | 0.52 | 0.45 | | |
| 07/30/04 | 39.76 +/- | 0.42 | 0.43 | | 08/30/04 | 40.52 +/- | 0.42 | 0.44 | | 09/30/04 | 64.04 +/- | 0.52 | 0.43 | | |
| 07/31/04 | 3.14 +/- | 0.17 | 0.43 | | 08/31/04 | 47.51 +/- | 0.45 | 0.44 | | | | | | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Location 144

| Date | Activity (pCi/ml) | Error | mda | Comments | Date | Activity (pCi/ml) | Error | mda | Comments | Date | Activity (pCi/ml) | Error | mda | Comments |
|----------|----------------------|-------|------|----------|----------|----------------------|-------|------|----------|----------|----------------------|-------|------|-------------------------|
| 10/01/04 | 64.98 +/- | 0.5 | 0.43 | | 11/01/04 | 6.86 +/- | 0.21 | 0.44 | | 12/01/04 | 16.20 +/- | 0.29 | 0.44 | |
| 10/02/04 | 14.10 +/- | 0.3 | 0.43 | | 11/02/04 | 7.02 +/- | 0.21 | 0.44 | | 12/02/04 | 61.71 +/- | 0.51 | 0.43 | |
| 10/03/04 | 35.45 +/- | 0.4 | 0.43 | | 11/03/04 | 9.34 +/- | 0.23 | 0.44 | | 12/03/04 | 80.30 +/- | 0.58 | 0.43 | |
| 10/04/04 | 43.39 +/- | 0.4 | 0.43 | | 11/04/04 | 5.17 +/- | 0.19 | 0.43 | | 12/04/04 | 89.99 +/- | 0.61 | 0.43 | |
| 10/05/04 | 46.41 +/- | 0.5 | 0.43 | | 11/05/04 | 25.84 +/- | 0.35 | 0.43 | | 12/05/04 | 79.05 +/- | 0.58 | 0.43 | |
| 10/06/04 | 47.07 +/- | 0.5 | 0.43 | | 11/06/04 | 47.68 +/- | 0.46 | 0.43 | | 12/06/04 | 9.51 +/- | 0.23 | 0.43 | |
| 10/07/04 | 49.97 +/- | 0.5 | 0.45 | | 11/07/04 | 53.32 +/- | 0.48 | 0.43 | | 12/07/04 | 12.27 +/- | 0.26 | 0.43 | |
| 10/08/04 | 50.87 +/- | 0.5 | 0.45 | | 11/08/04 | 54.73 +/- | 0.49 | 0.43 | | 12/08/04 | 43.05 +/- | 0.44 | 0.43 | |
| 10/09/04 | 52.25 +/- | 0.5 | 0.45 | | 11/09/04 | 56.54 +/- | 0.49 | 0.43 | | 12/09/04 | 28.41 +/- | 0.36 | 0.45 | |
| 10/10/04 | 52.90 +/- | 0.5 | 0.45 | | 11/10/04 | 62.21 +/- | 0.52 | 0.43 | | 12/10/04 | 16.23 +/- | 0.29 | 0.45 | |
| 10/11/04 | 50.80 +/- | 0.5 | 0.45 | | 11/11/04 | 22.85 +/- | 0.33 | 0.43 | | 12/11/04 | 17.36 +/- | 0.30 | 0.45 | |
| 10/12/04 | 29.49 +/- | 0.4 | 0.45 | | 11/12/04 | 9.81 +/- | 0.24 | 0.43 | | 12/12/04 | 65.19 +/- | 0.53 | 0.45 | |
| 10/13/04 | 1.89 +/- | 0.2 | 0.45 | | 11/13/04 | 44.07 +/- | 0.44 | 0.43 | | 12/13/04 | 77.94 +/- | 0.58 | 0.45 | |
| 10/14/04 | 6.65 +/- | 0.21 | 0.44 | | 11/14/04 | 57.80 +/- | 0.50 | 0.43 | | 12/14/04 | | | | No Sample - Dry |
| 10/15/04 | 7.33 +/- | 0.22 | 0.44 | | 11/15/04 | 63.60 +/- | 0.52 | 0.43 | | 12/15/04 | | | | No Sample - Dry |
| 10/16/04 | 12.36 +/- | 0.26 | 0.44 | | 11/16/04 | 55.15 +/- | 0.49 | 0.43 | | 12/16/04 | 94.56 +/- | 0.63 | 0.45 | |
| 10/17/04 | 25.32 +/- | 0.34 | 0.44 | | 11/17/04 | 42.90 +/- | 0.43 | 0.43 | | 12/17/04 | 101.26 +/- | 0.65 | 0.45 | |
| 10/18/04 | 10.53 +/- | 0.24 | 0.44 | | 11/18/04 | 9.13 +/- | 0.23 | 0.43 | | 12/18/04 | 113.71 +/- | 0.69 | 0.45 | |
| 10/19/04 | 2.04 +/- | 0.16 | 0.44 | | 11/19/04 | 9.79 +/- | 0.24 | 0.43 | | 12/19/04 | 115.28 +/- | 0.69 | 0.45 | |
| 10/20/04 | 6.52 +/- | 0.21 | 0.44 | | 11/20/04 | 36.65 +/- | 0.41 | 0.43 | | 12/20/04 | | | | No Sample - Frozen Line |
| 10/21/04 | 26.94 +/- | 0.35 | 0.44 | | 11/21/04 | 63.21 +/- | 0.52 | 0.43 | | 12/21/04 | 45.39 +/- | 0.45 | 0.45 | |
| 10/22/04 | 37.87 +/- | 0.41 | 0.44 | | 11/22/04 | 73.27 +/- | 0.56 | 0.43 | | 12/22/04 | 6.06 +/- | 0.21 | 0.45 | |
| 10/23/04 | 26.21 +/- | 0.35 | 0.44 | | 11/23/04 | 74.80 +/- | 0.56 | 0.43 | | 12/23/04 | | | | No Sample - Frozen Line |
| 10/24/04 | 9.07 +/- | 0.23 | 0.44 | | 11/24/04 | 10.10 +/- | 0.24 | 0.44 | | 12/24/04 | | | | No Sample - Frozen Line |
| 10/25/04 | 36.75 +/- | 0.41 | 0.44 | | 11/25/04 | 21.02 +/- | 0.32 | 0.44 | | 12/25/04 | | | | No Sample - Frozen Line |
| 10/26/04 | 42.50 +/- | 0.43 | 0.44 | | 11/26/04 | 68.90 +/- | 0.54 | 0.44 | | 12/26/04 | | | | No Sample - Frozen Line |
| 10/27/04 | 5.97 +/- | 0.20 | 0.44 | | 11/27/04 | 46.31 +/- | 0.45 | 0.44 | | 12/27/04 | | | | No Sample - Frozen Line |
| 10/28/04 | 35.96 +/- | 0.40 | 0.44 | | 11/28/04 | 24.55 +/- | 0.34 | 0.44 | | 12/28/04 | 88.68 +/- | 0.61 | 0.44 | |
| 10/29/04 | 53.39 +/- | 0.48 | 0.44 | | 11/29/04 | 75.28 +/- | 0.57 | 0.44 | | 12/29/04 | 81.50 +/- | 0.59 | 0.44 | |
| 10/30/04 | 15.47 +/- | 0.28 | 0.44 | | 11/30/04 | 31.81 +/- | 0.38 | 0.44 | | 12/30/04 | 80.34 +/- | 0.58 | 0.44 | |
| 10/31/04 | 43.79 +/- | 0.44 | 0.44 | | | | | | | 12/31/04 | 41.22 +/- | 0.43 | 0.44 | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

APPENDIX D
DOSE ASSESSMENT
2004

ANNUAL REPORT
 Maxey Flats Disposal Site
 2004

DOSE ASSESSMENT

122A

MONTHLY DOSE CALCULATIONS

| Date | Avg Act (pCi/ml) | Dose (mrem) |
|------------------------|---------------------|-----------------|
| Jan-04 | 0.067 | 3.07E-03 |
| Feb-04 | 0.025 | 1.15E-03 |
| Mar-04 | 0.131 | 6.04E-03 |
| Apr-04 | 0.062 | 2.85E-03 |
| May-04 | 0.062 | 2.86E-03 |
| Jun-04 | 0.057 | 2.64E-03 |
| Jul-04 | 0.087 | 4.02E-03 |
| Aug-04 | 0.058 | 2.69E-03 |
| Sep-04 | 0.037 | 1.72E-03 |
| Oct-04 | 0.050 | 2.28E-03 |
| Nov-04 | 0.022 | 1.01E-03 |
| Dec-04 | 0.022 | 1.01E-03 |
| Annual Averages | 0.057 | 2.61E-03 |

106

MONTHLY DOSE CALCULATIONS

| Date | Avg Act (pCi/ml) | Dose (mrem) |
|------------------------|---------------------|-----------------|
| Jan-04 | 5.767 | 2.65E-01 |
| Feb-04 | 7.376 | 3.39E-01 |
| Mar-04 | 6.794 | 3.12E-01 |
| Apr-04 | 5.871 | 2.70E-01 |
| May-04 | 4.327 | 1.99E-01 |
| Jun-04 | 4.428 | 2.04E-01 |
| Jul-04 | 2.745 | 1.26E-01 |
| Aug-04 | 2.964 | 1.36E-01 |
| Sep-04 | 2.676 | 1.23E-01 |
| Oct-04 | 2.522 | 1.16E-01 |
| Nov-04 | 3.731 | 1.72E-01 |
| Dec-04 | 5.716 | 2.63E-01 |
| Annual Averages | 4.576 | 2.10E-01 |

122C

MONTHLY DOSE CALCULATIONS

| Date | Avg Act (pCi/ml) | Dose (mrem) |
|------------------------|---------------------|-----------------|
| Jan-04 | 1.285 | 5.91E-02 |
| Feb-04 | 1.354 | 6.23E-02 |
| Mar-04 | 1.765 | 8.12E-02 |
| Apr-04 | 1.671 | 7.68E-02 |
| May-04 | 1.503 | 6.91E-02 |
| Jun-04 | 0.996 | 4.58E-02 |
| Jul-04 | 0.805 | 3.70E-02 |
| Aug-04 | 0.676 | 3.11E-02 |
| Sep-04 | 0.567 | 2.61E-02 |
| Oct-04 | 0.714 | 3.28E-02 |
| Nov-04 | 0.820 | 3.77E-02 |
| Dec-04 | 1.002 | 4.61E-02 |
| Annual Averages | 1.096 | 5.04E-02 |

102D

MONTHLY DOSE CALCULATIONS

| Date | Avg Act (pCi/ml) | Dose (mrem) |
|------------------------|---------------------|-----------------|
| Jan-04 | 0.900 | 4.14E-02 |
| Feb-04 | 0.994 | 4.57E-02 |
| Mar-04 | 1.242 | 5.71E-02 |
| Apr-04 | 1.176 | 5.41E-02 |
| May-04 | 1.108 | 5.09E-02 |
| Jun-04 | 0.653 | 3.00E-02 |
| Jul-04 | 0.567 | 2.61E-02 |
| Aug-04 | 0.453 | 2.08E-02 |
| Sep-04 | 0.375 | 1.73E-02 |
| Oct-04 | 0.533 | 2.45E-02 |
| Nov-04 | 0.624 | 2.87E-02 |
| Dec-04 | 0.711 | 3.27E-02 |
| Annual Averages | 0.778 | 3.58E-02 |

103E

MONTHLY DOSE CALCULATIONS

| Date | Avg Act (pCi/ml) | Dose (mrem) |
|------------------------|---------------------|-----------------|
| Jan-04 | 0.744 | 3.42E-02 |
| Feb-04 | 0.609 | 2.80E-02 |
| Mar-04 | 1.029 | 4.73E-02 |
| Apr-04 | 2.981 | 1.37E-01 |
| May-04 | 1.694 | 7.79E-02 |
| Jun-04 | 0.640 | 2.94E-02 |
| Jul-04 | 0.486 | 2.24E-02 |
| Aug-04 | 0.367 | 1.69E-02 |
| Sep-04 | 0.365 | 1.68E-02 |
| Oct-04 | 0.429 | 1.97E-02 |
| Nov-04 | 0.771 | 3.54E-02 |
| Dec-04 | 0.748 | 3.44E-02 |
| Annual Averages | 0.905 | 4.16E-02 |

ANNUAL REPORT
 Maxey Flats Disposal Site
 2004

DOSE ASSESSMENT

143

MONTHLY DOSE CALCULATIONS

| Date | Avg Act | Dose |
|------------------------|-----------------|-----------------|
| | (pCi/ml) | (mrem) |
| Jan-04 | 0.145 | 6.67E-03 |
| Feb-04 | 0.104 | 4.76E-03 |
| Mar-04 | 0.317 | 1.46E-02 |
| Apr-04 | 0.497 | 2.29E-02 |
| May-04 | 0.303 | 1.39E-02 |
| Jun-04 | 0.226 | 1.04E-02 |
| Jul-04 | 0.167 | 7.70E-03 |
| Aug-04 | 0.198 | 9.11E-03 |
| Sep-04 | 0.145 | 6.67E-03 |
| Oct-04 | 0.165 | 7.58E-03 |
| Nov-04 | 0.128 | 5.90E-03 |
| Dec-04 | 0.067 | 3.08E-03 |
| Annual Averages | 0.067 | 3.08E-03 |

144

MONTHLY DOSE CALCULATIONS

| Date | Avg Act | Dose |
|------------------------|-----------------|-----------------|
| | (pCi/ml) | (mrem) |
| Jan-04 | 63.390 | 2.92E+00 |
| Feb-04 | 102.690 | 4.72E+00 |
| Mar-04 | 84.726 | 3.90E+00 |
| Apr-04 | 106.094 | 4.88E+00 |
| May-04 | 80.866 | 3.72E+00 |
| Jun-04 | 55.076 | 2.53E+00 |
| Jul-04 | 34.720 | 1.60E+00 |
| Aug-04 | 40.152 | 1.85E+00 |
| Sep-04 | 39.330 | 1.81E+00 |
| Oct-04 | 30.459 | 1.40E+00 |
| Nov-04 | 38.990 | 1.79E+00 |
| Dec-04 | 59.357 | 2.73E+00 |
| Annual Averages | 59.357 | 2.73E+00 |

C107

MONTHLY DOSE CALCULATIONS

| Date | Avg Act | Dose |
|------------------------|-----------------|-----------------|
| | (pCi/ml) | (mrem) |
| Jan-04 | 11.030 | 5.07E-01 |
| Feb-04 | 16.518 | 7.60E-01 |
| Mar-04 | 20.920 | 9.62E-01 |
| Apr-04 | 24.170 | 1.11E+00 |
| May-04 | 19.304 | 8.88E-01 |
| Jun-04 | 13.609 | 6.26E-01 |
| Jul-04 | 8.485 | 3.90E-01 |
| Aug-04 | 7.792 | 3.58E-01 |
| Sep-04 | 8.083 | 3.72E-01 |
| Oct-04 | 10.273 | 4.72E-01 |
| Nov-04 | 10.019 | 4.61E-01 |
| Dec-04 | 12.611 | 5.80E-01 |
| Annual Averages | 13.655 | 6.28E-01 |

EDB

MONTHLY DOSE CALCULATIONS

| Date | Avg Act | Dose |
|------------------------|-----------------|-----------------|
| | (pCi/ml) | (mrem) |
| Jan-04 | 0.260 | 1.20E-02 |
| Feb-04 | 0.000 | NO SAMPLES |
| Mar-04 | 0.185 | 8.51E-03 |
| Apr-04 | 0.000 | NO SAMPLES |
| May-04 | 0.000 | 0.00E+00 |
| Jun-04 | 0.000 | 0.00E+00 |
| Jul-04 | 0.378 | 1.74E-02 |
| Aug-04 | 0.175 | 8.05E-03 |
| Sep-04 | 0.206 | 9.47E-03 |
| Oct-04 | 0.109 | 4.99E-03 |
| Nov-04 | 0.163 | 7.51E-03 |
| Dec-04 | 0.160 | 7.36E-03 |
| Annual Averages | 0.134 | 7.54E-03 |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

APPENDIX E

GOUNDWATER MONITORING
(ALLUVIAL AND USGS MONITORING WELLS)
DATA CHARTS AND SUMMARY
2004

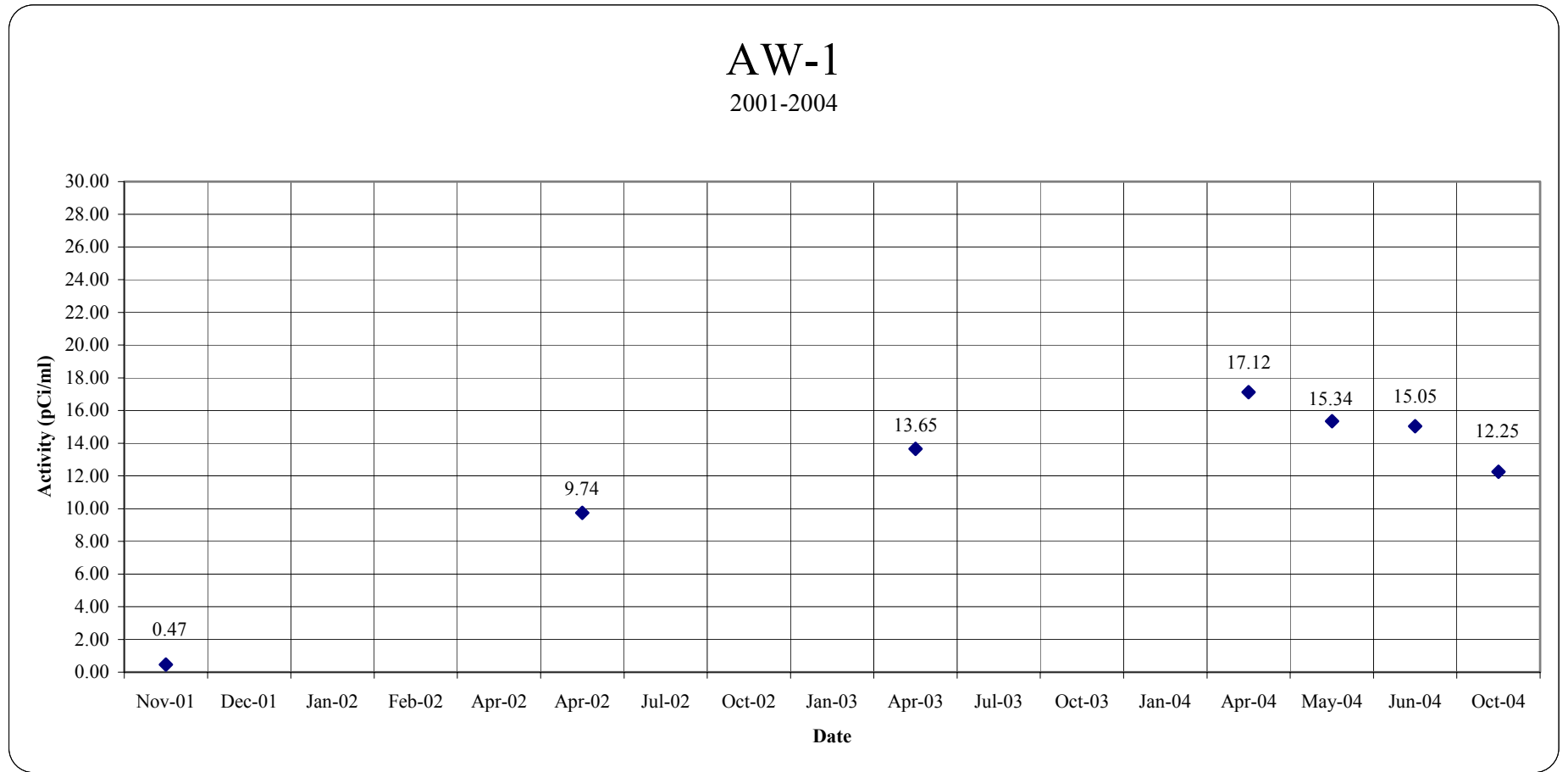
ANNUAL REPORT
Maxey Flats Disposal Site
2004

APPENDIX E1

**ALLUVIAL WELLS
DATA CHARTS
2004**

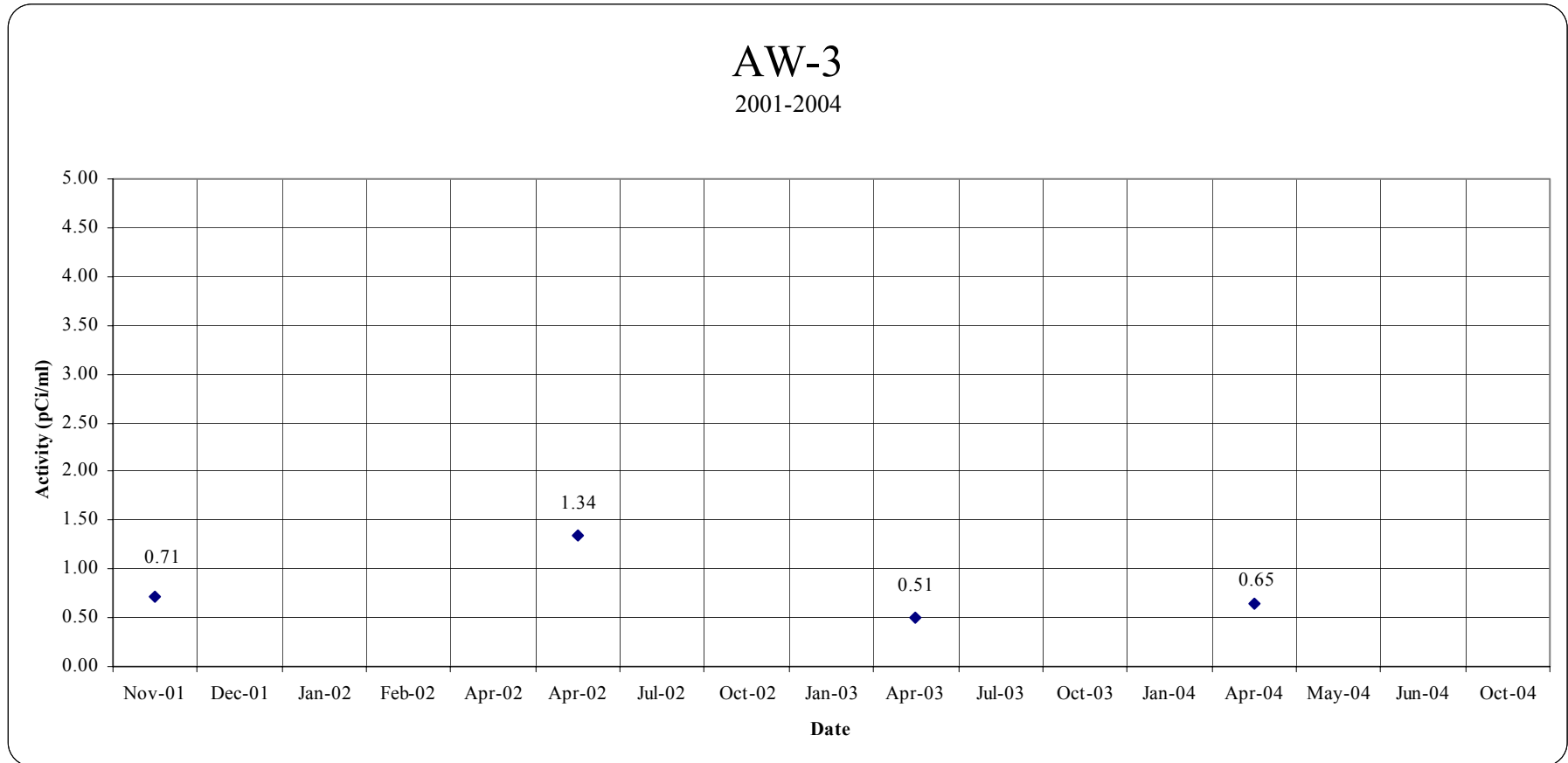
ANNUAL REPORT
Maxey Flats Disposal Site
2004

Alluvial Well Tritium Data 2001-2004



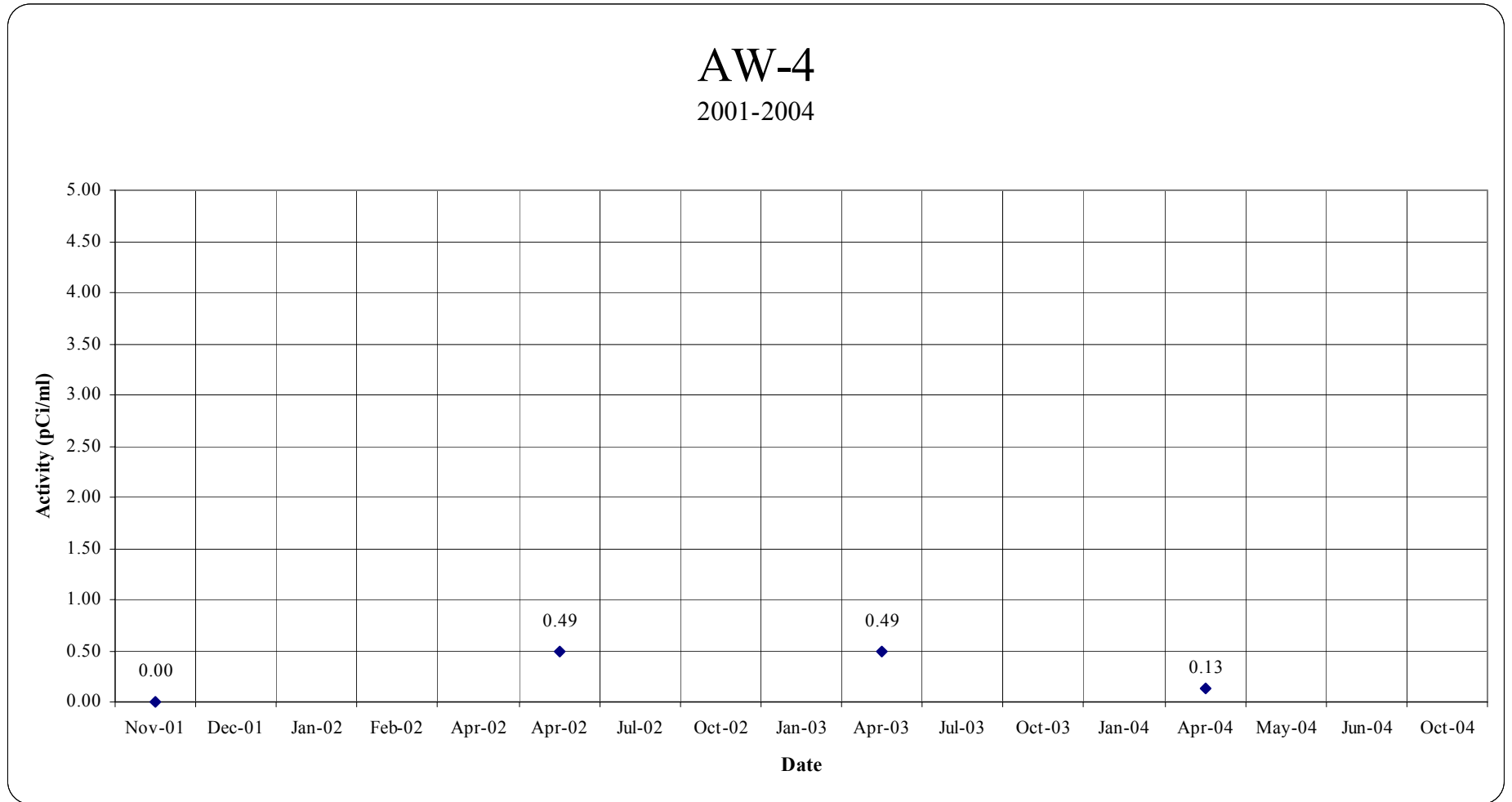
ANNUAL REPORT
Maxey Flats Disposal Site
2004

Alluvial Well Tritium Data 2001-2004



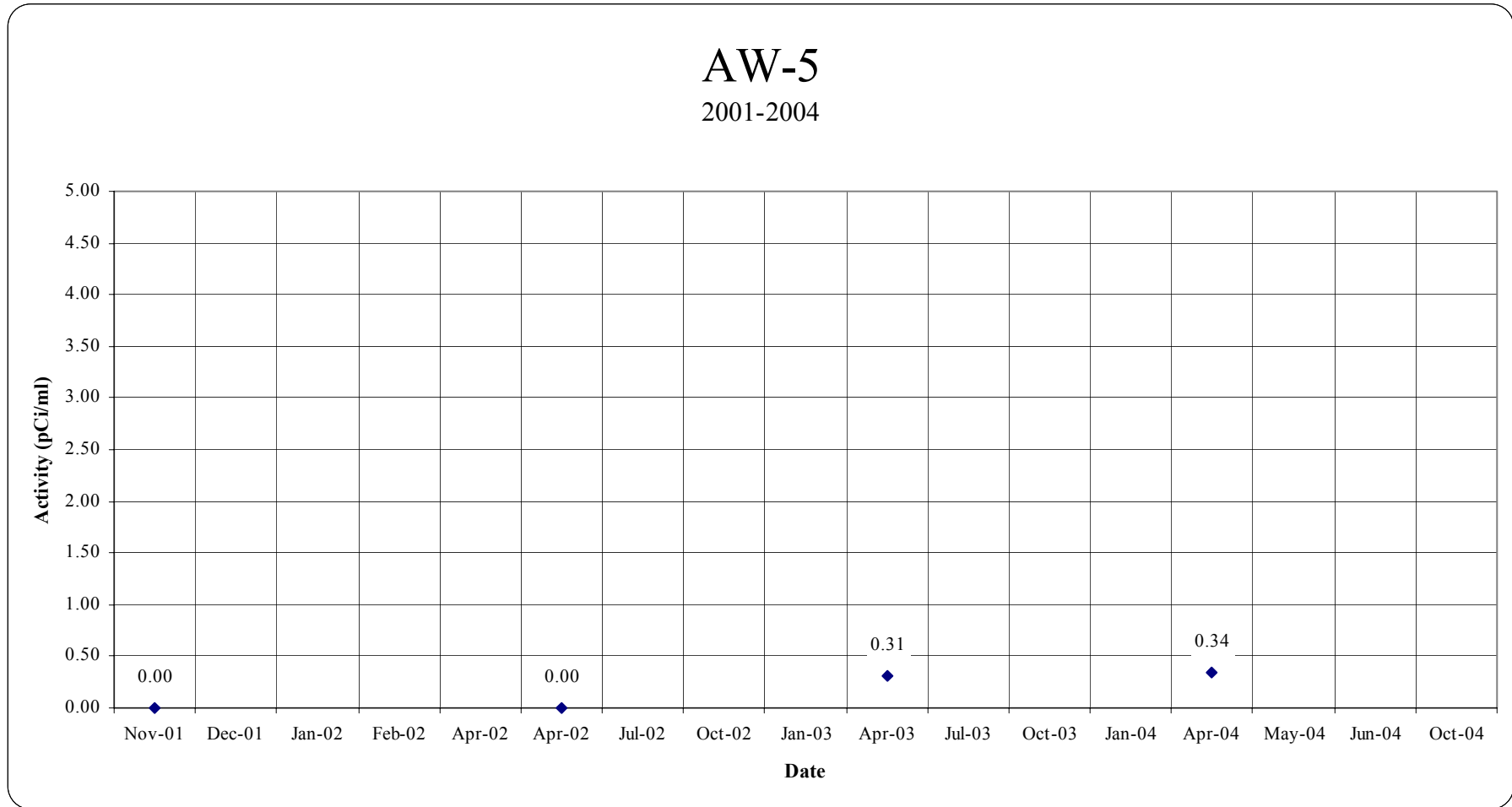
ANNUAL REPORT
Maxey Flats Disposal Site
2004

Alluvial Well Tritium Data 2001-2004



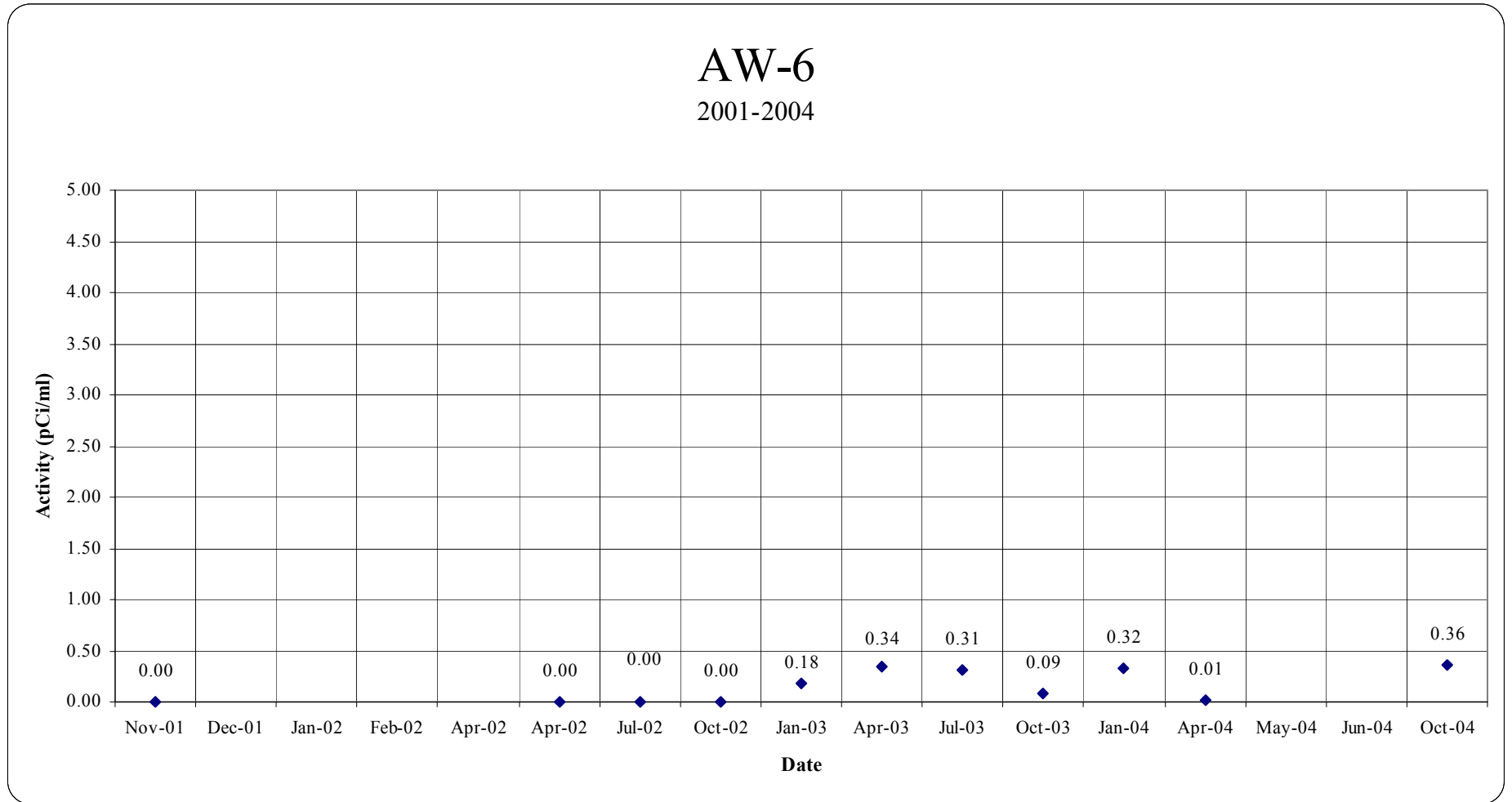
ANNUAL REPORT
Maxey Flats Disposal Site
2004

Alluvial Well Tritium Data 2001-2004



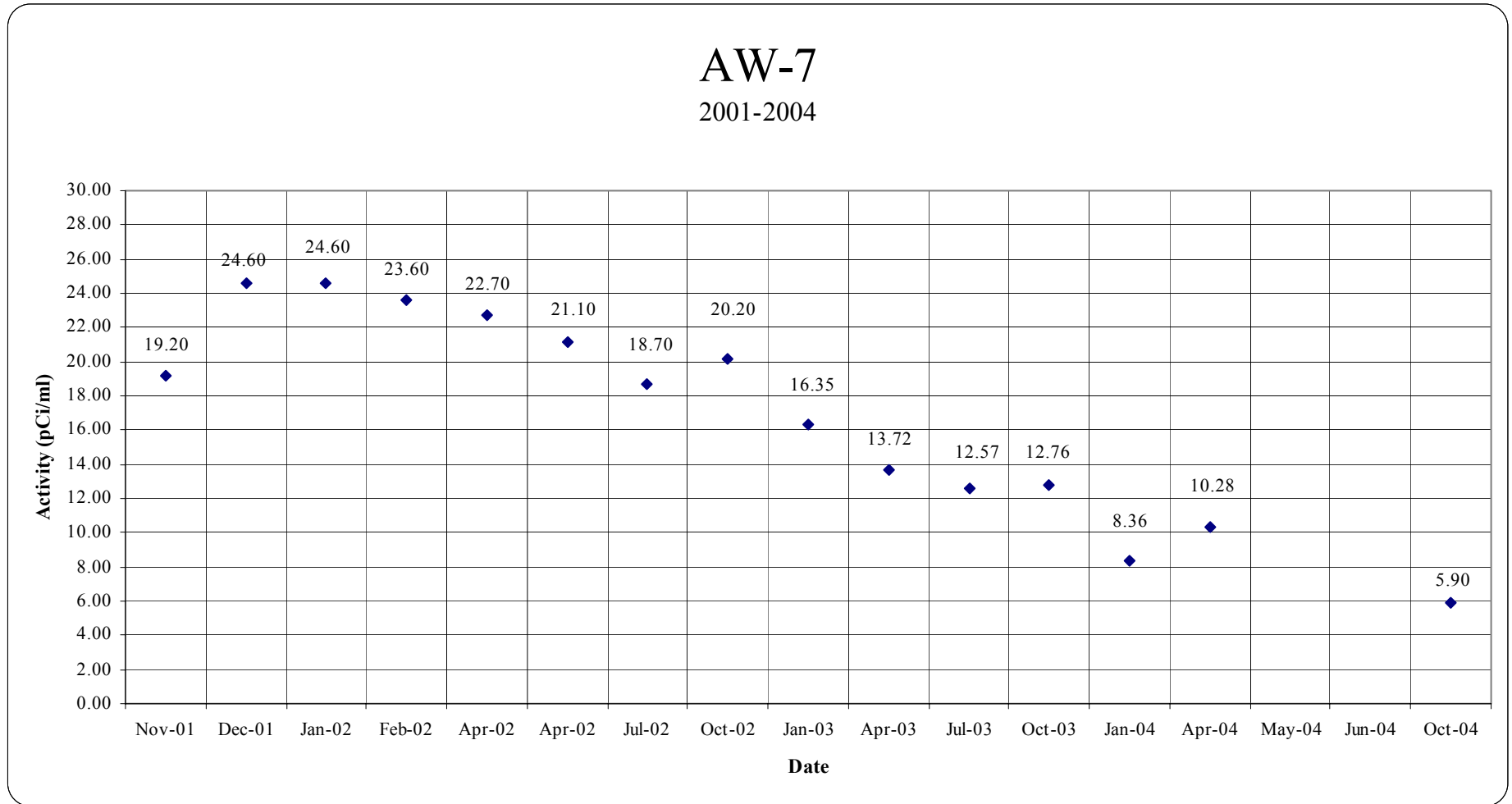
ANNUAL REPORT
Maxey Flats Disposal Site
2004

Alluvial Well Tritium Data 2001-2004



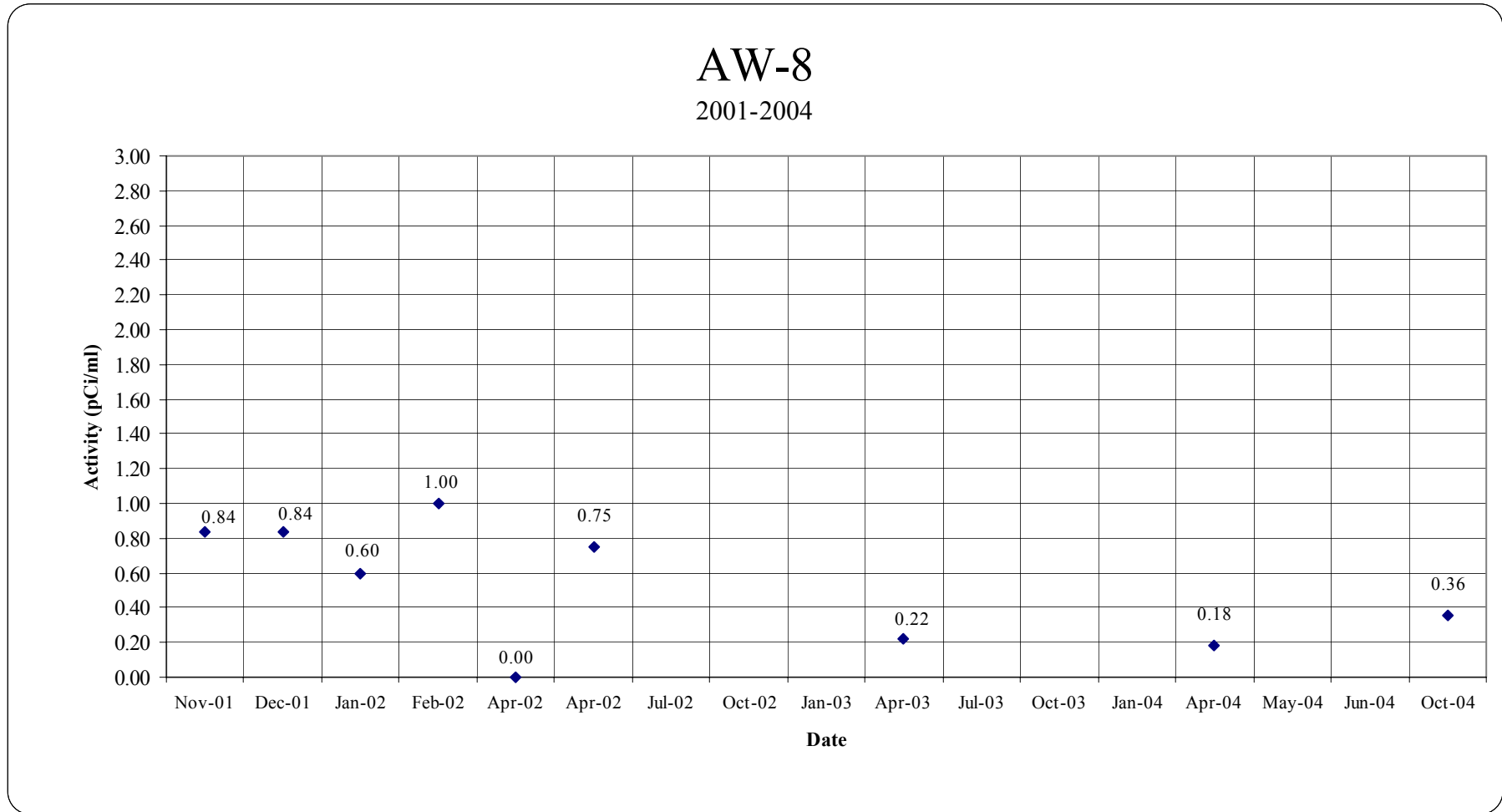
ANNUAL REPORT
Maxey Flats Disposal Site
2004

Alluvial Well Tritium Data 2001-2004



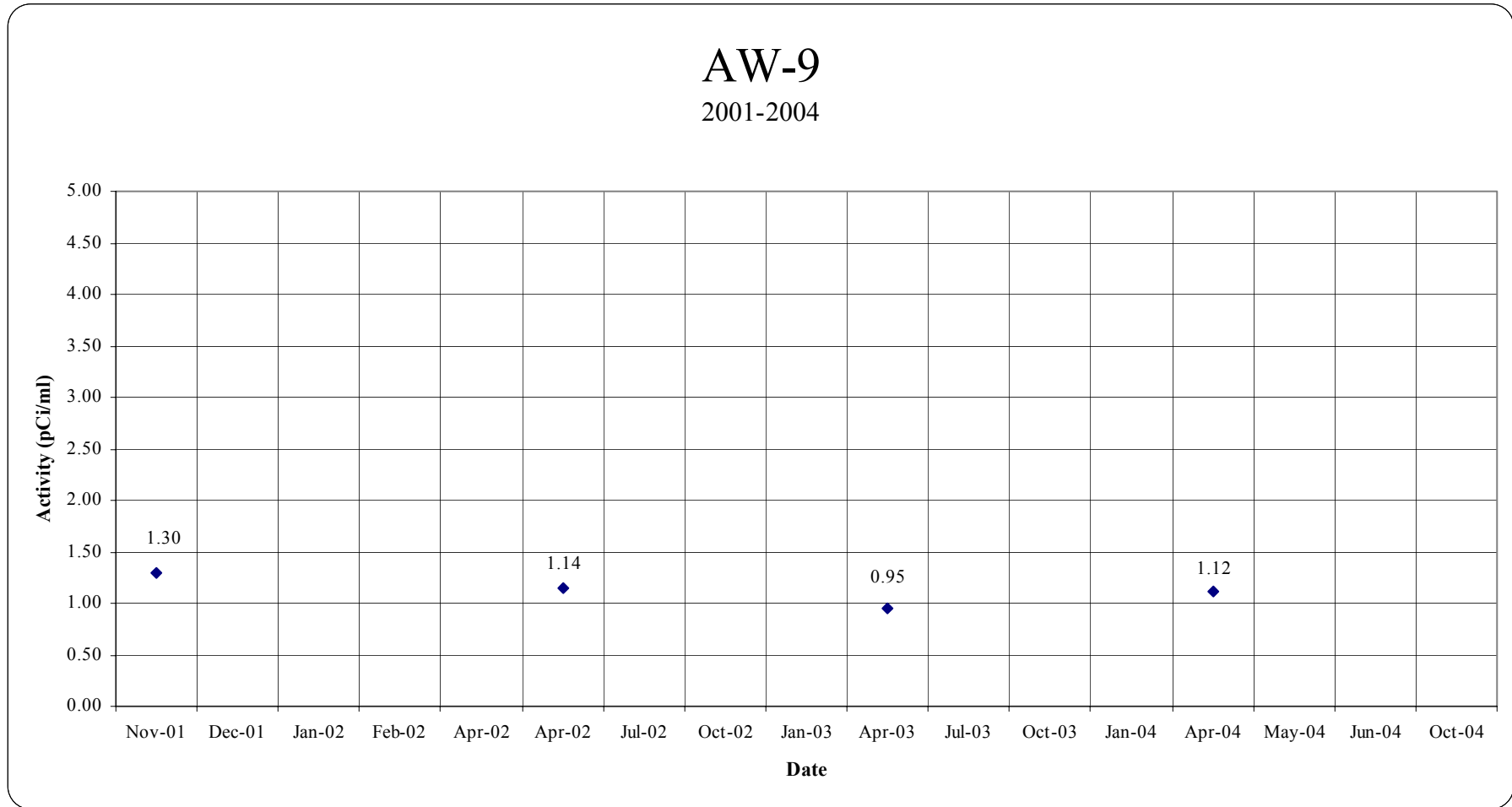
ANNUAL REPORT
Maxey Flats Disposal Site
2004

Alluvial Well Tritium Data 2001-2004



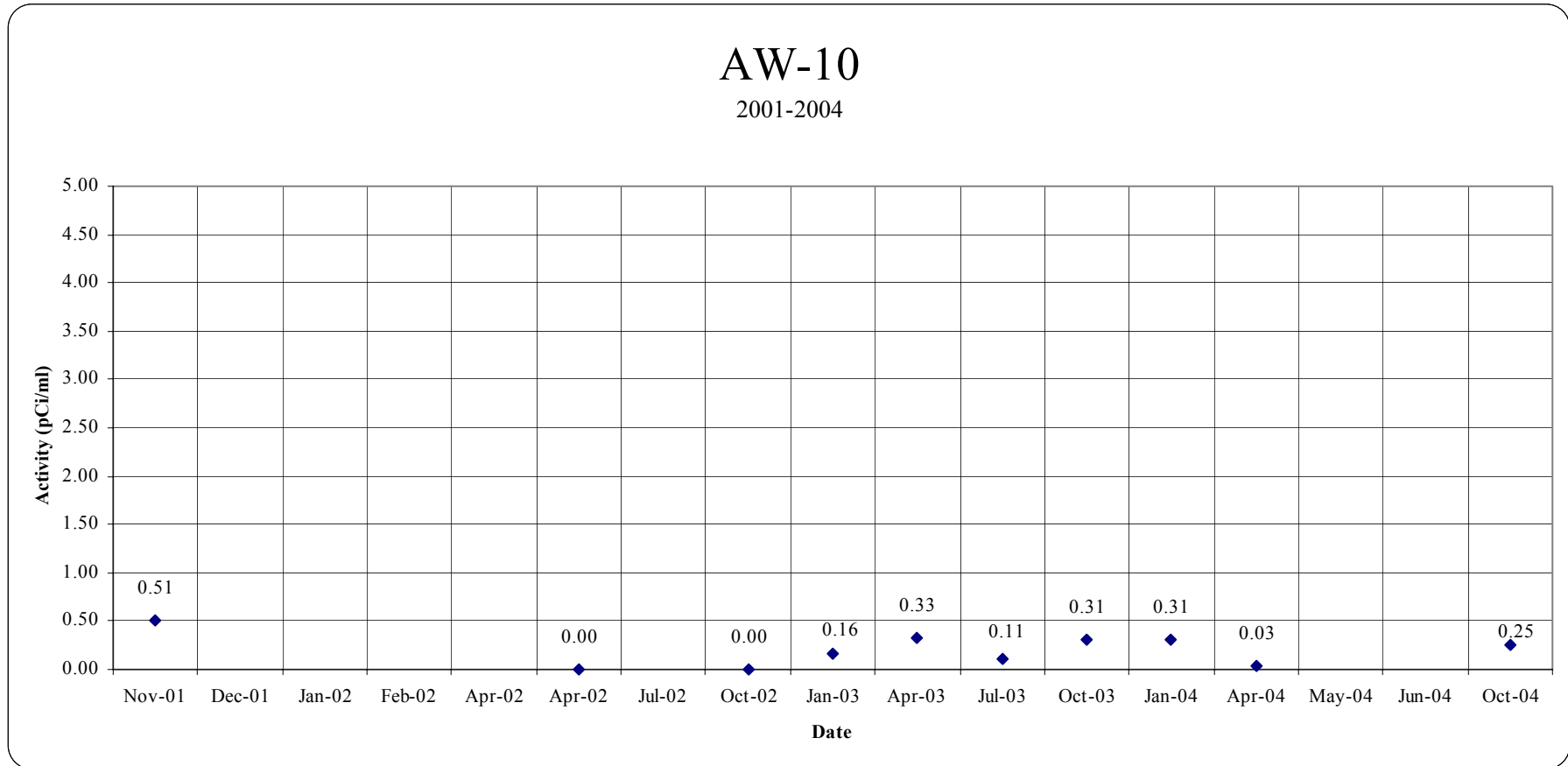
ANNUAL REPORT
Maxey Flats Disposal Site
2004

Alluvial Well Tritium Data 2001-2004



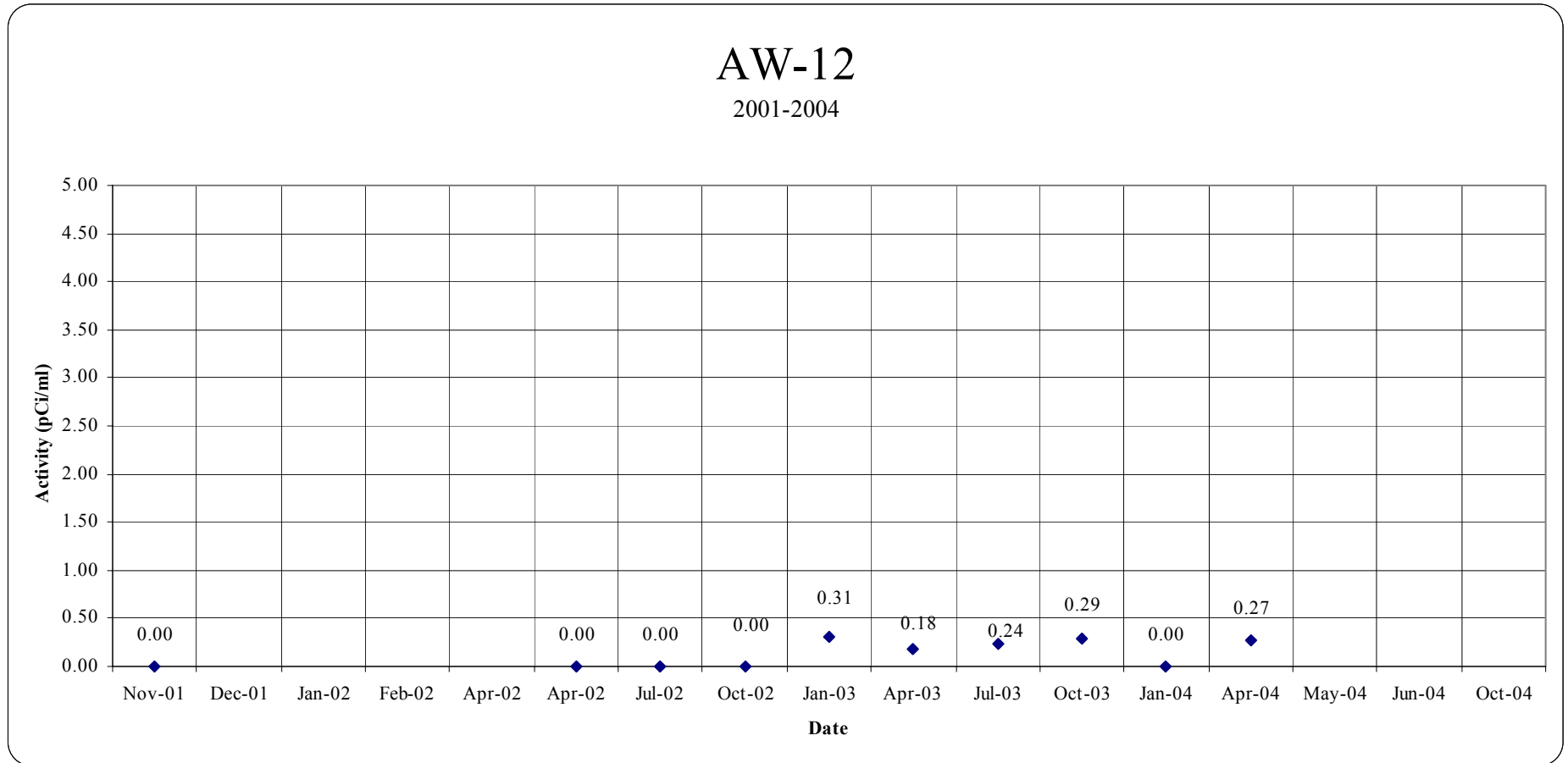
ANNUAL REPORT
Maxey Flats Disposal Site
2004

Alluvial Well Tritium Data 2001-2004



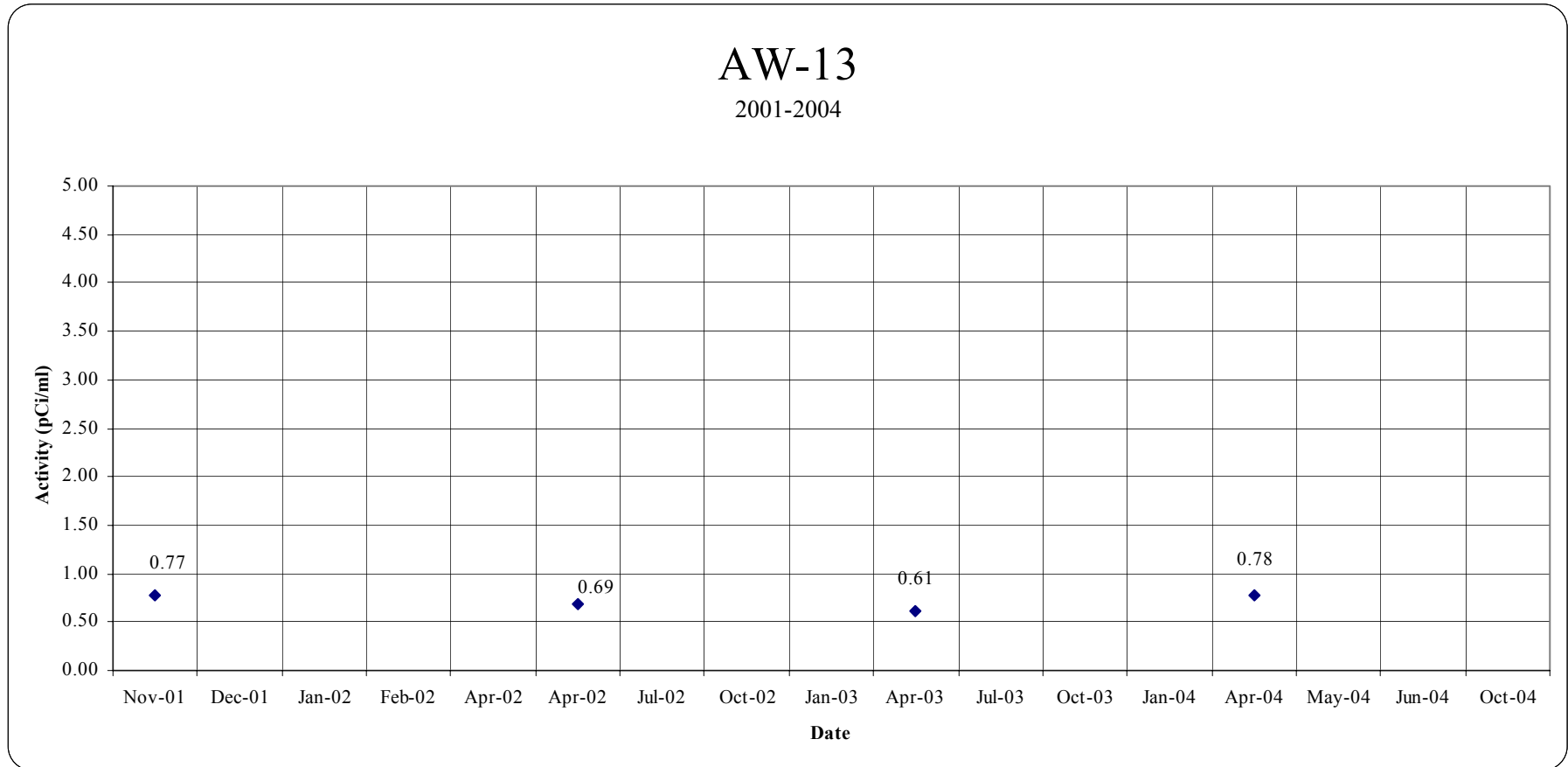
ANNUAL REPORT
Maxey Flats Disposal Site
2004

Alluvial Well Tritium Data 2001-2004



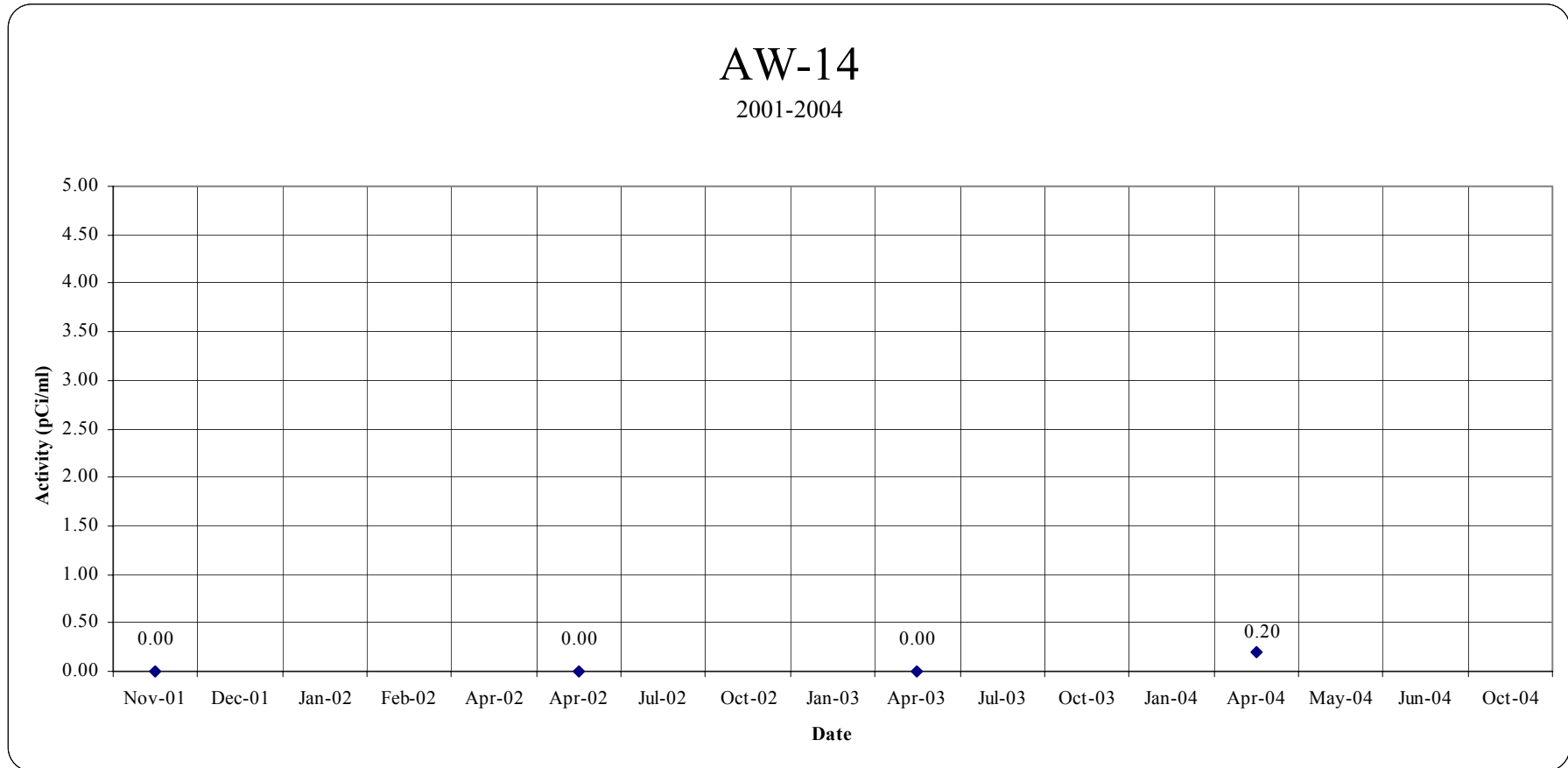
ANNUAL REPORT
Maxey Flats Disposal Site
2004

Alluvial Well Tritium Data 2001-2004



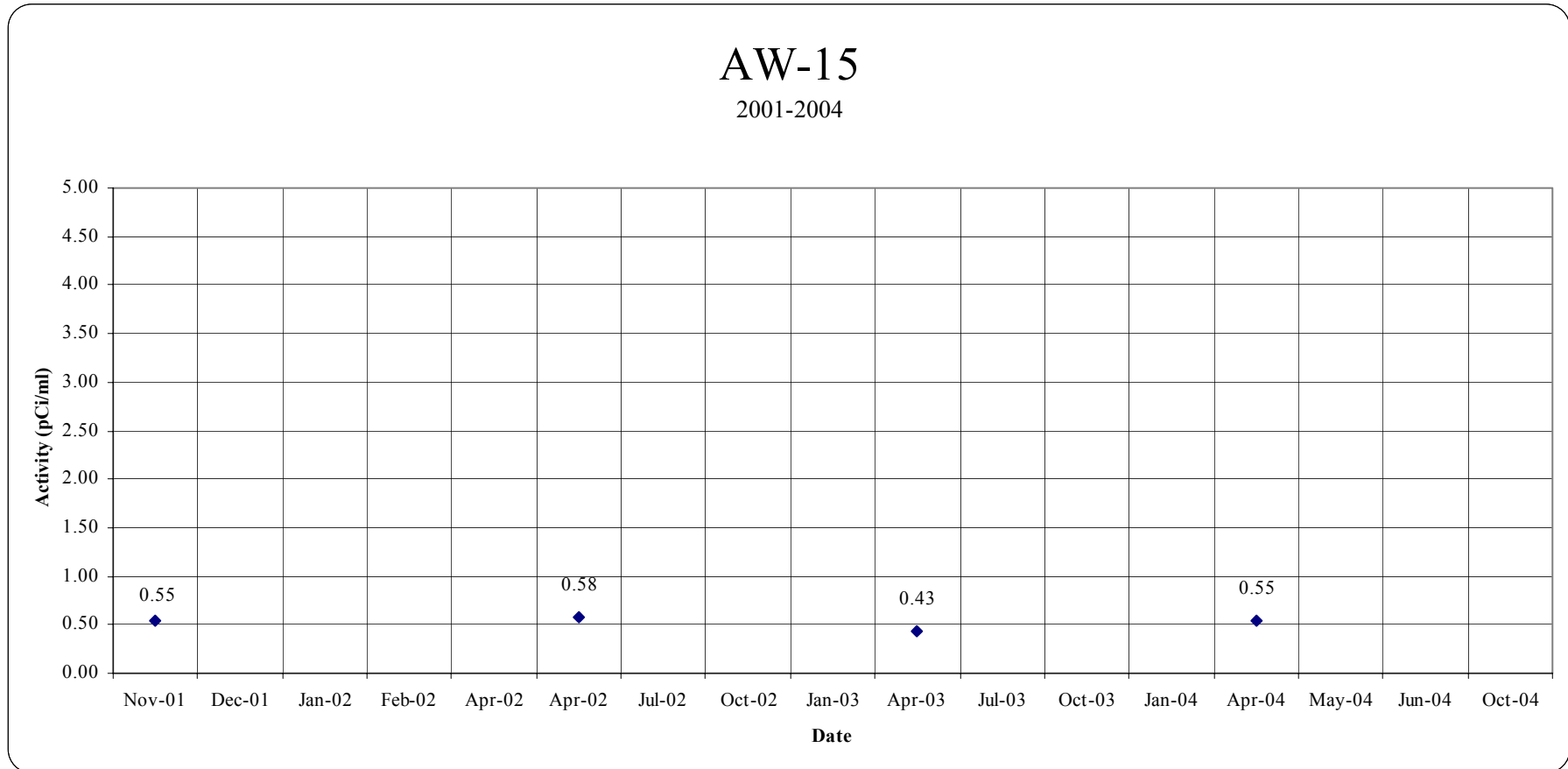
ANNUAL REPORT
Maxey Flats Disposal Site
2004

Alluvial Well Tritium Data 2001-2004



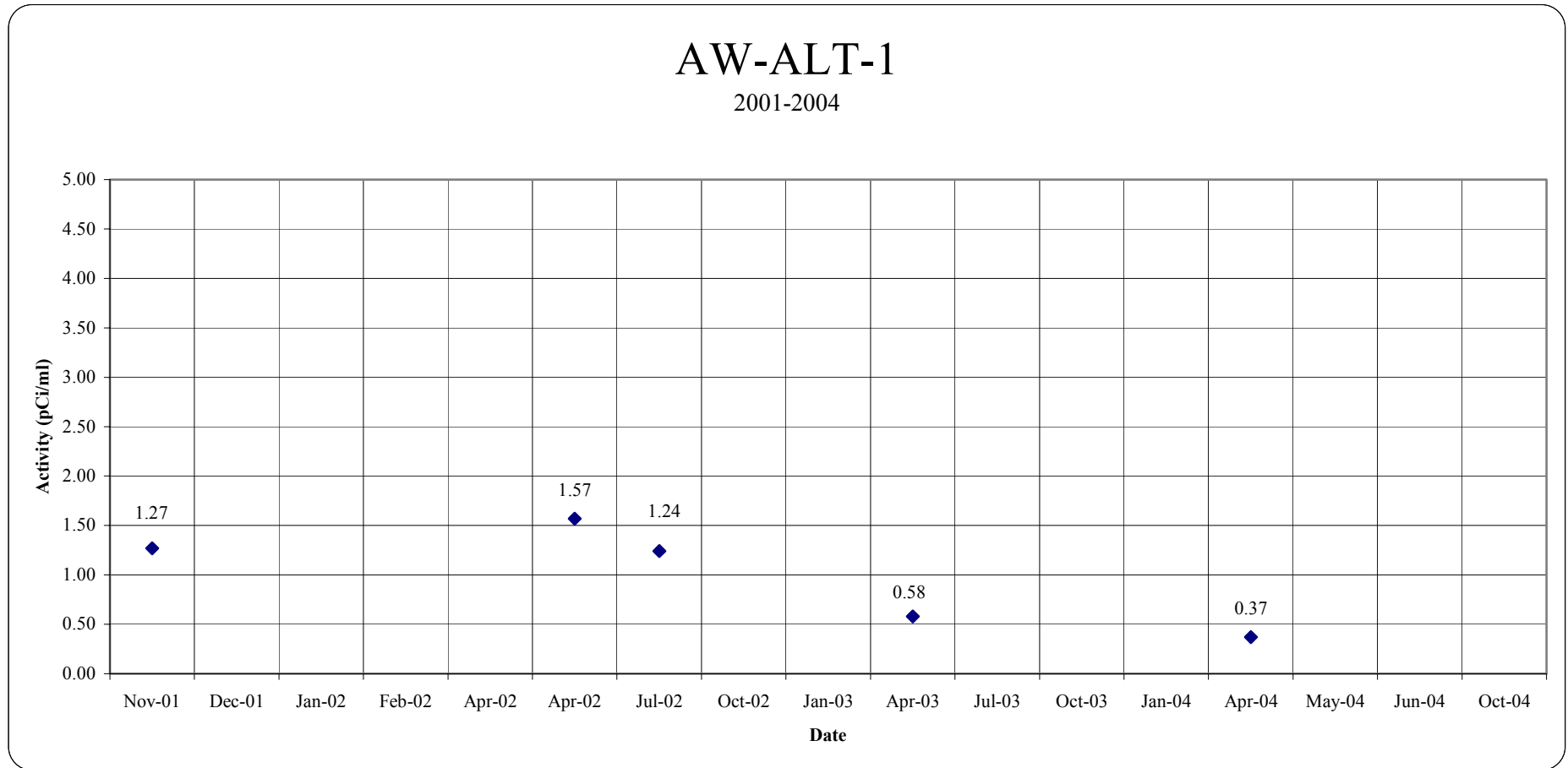
ANNUAL REPORT
Maxey Flats Disposal Site
2004

Alluvial Well Tritium Data 2001-2004



ANNUAL REPORT
Maxey Flats Disposal Site
2004

Alluvial Well Tritium Data 2001-2004



ANNUAL REPORT
Maxey Flats Disposal Site
2004

APPENDIX E2

**ALLUVIAL WELLS
DATA SUMMARY
2004**

ANNUAL REPORT
Maxey Flats Disposal Site
2004

| | |
|---|---------------|
| WELL ID: - AW-1 | |
| Installation Information | |
| Depth of well - | 26.4 ft |
| Elevation of Bottom - | 738.34 |
| Top of Casing Elevation - | 764.78 |
| Ground Surface Elevation - | 762.26 |
| Date of Installation - | |
| TOC above LSD - | 2.52 ft |
| Quarterly Measurement | |
| Well Locked - | Yes |
| Pad checked - | Yes |
| Well Protector - | Ok |
| SC - Specific Conductivity DO - Dissolved Oxygen Temp - Temperature TU - Turbidity | |

| DATE | Laboratory Log # | TIME | TOC to Bottom | Liquid (ft) pre-meas | Liquid (ft) post-meas | Water Level (ft) | MEASUREMENTS OBTAINED | | | | | Collected By | Sample | Pumping Rate | Comments | LABORATORY Activity (pCi/ml) |
|-----------|------------------|----------|---------------|----------------------|-----------------------|------------------|-----------------------|------|----------|------|--------|--------------|--------|--------------------------|--|------------------------------|
| | | | | | | | SC | pH | Temp (C) | DO | TU | | | | | |
| 24-Apr-02 | | 11:20 AM | 26.50 | 6.82 | | 19.68 | 259 | | 13.00 | | | | | | Annulus between protective casing and well needs filling (3.8 ft). Well top of casing is 2.55 ft above ground surface. | |
| 24-Apr-02 | 1157 | 12:10 PM | 26.50 | | 8.15 | 18.35 | 269 | 6.40 | 13.10 | | | D. Zettwoch | Yes | 1 quart per minute | Collected sampled and discontinued pumping. | 9.74 +/- 0.24 |
| 23-Apr-03 | | 10:13 AM | 26.50 | 7.69 | | 18.81 | 244 | 5.62 | 11.30 | 5.77 | 212.00 | D. Zettwoch | Yes | Pumped 4.5 gallons total | Red color | |
| 23-Apr-03 | 1291 | 10:34 AM | 26.50 | | 9.08 | 17.42 | 257 | 6.49 | 11.70 | 0.39 | 10.50 | | | | Clear sample | 13.65 +/- 0.28 |
| 14-Apr-04 | 1072 | 10:48 AM | 26.50 | 7.43 | | 19.07 | 237 | 6.36 | 11.10 | 4.20 | 0.00 | | | | Clear/Black Sediment | |
| 14-Apr-04 | | 11:09 AM | 26.50 | | 7.73 | 18.77 | 248 | 6.57 | 11.50 | 0.44 | 0.00 | D. Zettwoch | Yes | | purged 4.5 gal | 17.12 +/- 0.29 |
| 21-Jul-04 | | 10:45 AM | 26.50 | 11.23 | | 15.27 | 285 | 6.48 | 12.70 | 1.14 | 1.40 | | | | | |
| 21-Jul-04 | 2112 | 11:09 AM | 26.50 | | 12.11 | 14.39 | 270 | 6.62 | 12.60 | 0.22 | 0.00 | D. Zettwoch | Yes | 1 qt/min | purged 5.5 gal | 9.46 +/- 0.24 |
| 27-Oct-04 | | 9:31 AM | 26.50 | 7.96 | | 18.54 | 239 | 6.28 | 13.90 | 1.50 | 0.00 | | | | | |
| 27-Oct-04 | 3131 | 9:54 AM | 26.50 | | 9.51 | 16.99 | 254 | 6.53 | 13.80 | 0.24 | 0.00 | D. Zettwoch | Yes | | clear | 12.25 +/- 0.26 |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

| | |
|---|---------------|
| WELL ID: - AW-3 | |
| Installation Information | |
| Depth of well - | 20.95 ft |
| Elevation of Bottom - | 710.47 |
| Top of Casing Elevator - | 731.42 |
| Ground Surface Elevati - | 729.00 |
| Date of Installation - | |
| TOC above LSD - | 2.42 ft |
| Quarterly Measurement | |
| Well Locked - | Yes |
| Pad checked - | Yes |
| Well Protector - | Ok |
| SC - Specific Conductivity DO - Dissolved Oxygen Temp - Temperature TU - Turbidity | |

| DATE | Laboratory Log # | TIME | TOC to Bottom | Liquid (ft) pre-meas | Liquid (ft) post-meas | Water Level (ft) | MEASUREMENTS OBTAINED | | | | | Collected By | Sample | Pumping Rate | Comments | LABORATORY Activity (pCi/ml) |
|-----------|------------------|----------|---------------|----------------------|-----------------------|------------------|-----------------------|------|----------|------|-------|--------------|--------|----------------------|--|------------------------------|
| | | | | | | | SC | pH | Temp (C) | DO | TU | | | | | |
| 24-Apr-02 | | 1:40 PM | 20.10 | 7.30 | | 12.80 | 672 | | 11.60 | | | D. Zettwoch | Yes | 1 quart @ 80 seconds | Water cloudy; no color | |
| 24-Apr-02 | 1158 | 2:07 PM | 20.10 | | 17.75 | 2.35 | 677 | 6.80 | 12.10 | | | | | | Stop pumping. Recover rate is 0.1 ft @1'55". | 1.34 +/- 0.42 |
| 23-Apr-03 | | 10:59 AM | 20.10 | 8.04 | | 12.06 | 179 | 5.87 | 10.15 | 3.61 | 3.40 | | | | | |
| 23-Apr-03 | 1292 | 11:24 AM | 20.10 | | 17.62 | 2.48 | 200 | 5.74 | 10.30 | 2.70 | 17.90 | D. Zettwoch | Yes | | Clear start; slowed pump rate; 4 gal total | 0.51 +/- 0.14 |
| 14-Apr-04 | | 11:25 AM | 20.10 | 10.40 | | 9.70 | 175 | 5.87 | 9.55 | 7.20 | 0.00 | | | | | |
| 14-Apr-04 | 1073 | 11:48 AM | 20.10 | | 17.10 | 3.00 | 189 | 5.66 | 9.30 | 2.66 | 3.10 | D. Zettwoch | Yes | 1 pt/min | Clear; 4 gal total | 0.65 +/- 0.14 |
| 21-Jul-04 | | 11:30 AM | 20.10 | 13.71 | | 6.39 | 106 | 5.42 | 13.30 | 3.26 | 0.00 | | | | | |
| 21-Jul-04 | 2113 | 11:52 AM | 20.10 | | 18.50 | 1.60 | 144 | 5.82 | 13.20 | 3.00 | 5.60 | D. Zettwoch | Yes | 0.5 qt/min | Clear; 3.5 gal total | 0.35 +/- 0.14 |
| | | | | | | | | | | | | | | | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

| | |
|---|---------------|
| WELL ID: - AW-4 | |
| Installation Information | |
| Depth of well - | 15.9 ft |
| Elevation of Bottom - | 696.74 |
| Top of Casing Elevator - | 712.64 |
| Ground Surface Elevati - | 709.79 |
| Date of Installation - | |
| TOC above LSD - | 2.85 ft |
| Quarterly Measurement | |
| Well Locked - | Yes |
| Pad checked - | Yes |
| Well Protector - | Ok |
| SC - Specific Conductivity DO - Dissolved Oxygen Temp - Temperature TU - Turbidity | |

| | | | | | | | MEASUREMENTS OBTAINED | | | | | | | | | LABORATORY |
|-----------|------------------|----------|---------------|----------------------|-----------------------|------------------|-----------------------|------|----------|------|--------|--------------|--------|----------------------|-----------------------------------|-------------------|
| DATE | Laboratory Log # | TIME | TOC to Bottom | Liquid (ft) pre-meas | Liquid (ft) post-meas | Water Level (ft) | SC | pH | Temp (C) | DO | TU | Collected By | Sample | Pumping Rate | Comments | Activity (pCi/ml) |
| 24-Apr-02 | | 2:20 PM | 16.00 | 6.42 | | 9.58 | 191 | | 12.00 | | | | | | Water cloudy, no color | |
| 24-Apr-02 | 1159 | 2:44 PM | 16.00 | | 14.91 | 1.09 | 190 | 5.20 | 12.10 | | | D. Zettwoch | Yes | 1 quart @ 80 seconds | Recover Rate - 0.1 ft @ 5 minutes | 0.49 +/- 0.42 |
| 23-Apr-03 | | | 16.00 | 6.52 | | 9.48 | 186 | 4.74 | 11.60 | 3.01 | 1.10 | | | | | |
| 23-Apr-03 | 1293 | | 16.00 | | 14.89 | 1.11 | 186 | 4.58 | 11.40 | 1.33 | 112.00 | D. Zettwoch | Yes | Slow pump rate | 2.75 total gallons | 0.49 +/- 0.14 |
| 14-Apr-04 | | 12:00 AM | 16.00 | 6.20 | | 9.80 | 205 | 4.81 | 10.10 | 7.04 | 4.20 | | | | | |
| 14-Apr-04 | 1074 | 12:00 AM | 16.00 | | 15.15 | 0.85 | 209 | 4.51 | 10.40 | 3.39 | 164.00 | D. Zettwoch | Yes | 1 qt/min | 3.5 total gallons | 0.13 +/- 0.14 |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

| | |
|---|---------------|
| WELL ID: - AW-5 | |
| Installation Information | |
| Depth of well - | 12.91 ft |
| Elevation of Bottom - | 692.72 |
| Top of Casing Elevator - | 705.63 |
| Ground Surface Elevatic - | 703.14 |
| Date of Installation - | |
| TOC above LSD - | 2.49 ft |
| Quarterly Measurement | |
| Well Locked - | Yes |
| Pad checked - | Yes |
| Well Protector - | Ok |
| SC - Specific Conductivity DO - Dissolved Oxygen Temp - Temperature TU - Turbidity | |

| DATE | Laboratory Log # | TIME | TOC to Bottom | Liquid (ft) pre-meas | Liquid (ft) post-meas | Water Level (ft) | MEASUREMENTS OBTAINED | | | | | Collected By | Sample | Pumping Rate | Comments | LABORATORY Activity (pCi/ml) |
|-----------|------------------|----------|---------------|----------------------|-----------------------|------------------|-----------------------|------|----------|------|--------|--------------|--------|----------------------|--|------------------------------|
| | | | | | | | SC | pH | Temp (C) | DO | TU | | | | | |
| 24-Apr-02 | | 3:00 PM | 13.00 | 3.90 | | 9.1 | 191 | | 12.00 | | | | | | Water cloudy -no color | |
| 24-Apr-02 | 1160 | 3:23 PM | 13.00 | | 11.45 | 1.6 | 190 | 6.80 | 12.10 | | | D. Zettwoch | Yes | 1 quart @ 80 seconds | Recovery rate - 0.1 @ eight seconds. Stop Pumping. | 0.00 +/- 0.42 |
| 23-Apr-03 | | 1:56 PM | 13.00 | 4.70 | | 8.30 | 1452 | 6.61 | 10.40 | 1.82 | 427.00 | | | | | |
| 23-Apr-03 | 1294 | 2:20 PM | 13.00 | | 11.20 | 1.80 | 742 | 6.71 | 10.30 | 0.98 | 15.10 | D. Zettwoch | Yes | | Cloudy to clear | 0.31 +/- 0.14 |
| 14-Apr-04 | | 12:34 PM | 13.00 | 2.41 | | 10.59 | 1298 | 6.51 | 8.83 | 2.57 | 59.40 | | | | Cloudy | |
| 14-Apr-04 | 1075 | 12:56 PM | 13.00 | | 9.65 | 3.35 | 658 | 6.86 | 8.85 | 0.54 | 11.40 | D. Zettwoch | Yes | | Purged 4 gal | 0.34 +/- 0.14 |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

| | | | |
|---------------------------------|---------------|------------------------------|-----------------------|
| WELL ID: - AW-6 | | | |
| Installation Information | | Quarterly Measurement | |
| Depth of well - | 18.90 ft | Well Locked - | Yes |
| Elevation of Bottom - | 663.80 | Pad checked - | Yes |
| Top of Casing Elevator - | 682.70 | Well Protector - | Ok |
| Ground Surface Elevati - | 680.28 | | |
| Date of Installation - | | | |
| TOC above LSD - | 2.42 ft | SC - Specific Conductivity | DO - Dissolved Oxygen |
| | | Temp - Temperature | TU - Turbidity |

| DATE | Laboratory Log # | TIME | TOC to Bottom | Liquid (ft) pre-meas | Liquid (ft) post-meas | Water Level (ft) | MEASUREMENTS OBTAINED | | | | | Collected By | Sample | Pumping Rate | Comments | LABORATORY Activity (pCi/ml) |
|-----------|------------------|----------|---------------|----------------------|-----------------------|------------------|-----------------------|------|----------|-------|--------|--------------|--------|--------------|-------------------------------------|------------------------------|
| | | | | | | | SC | pH | Temp (C) | DO | TU | | | | | |
| 23-Jan-03 | | 11:25 AM | 18.90 | 5.82 | | 13.08 | 364 | 5.71 | 12.41 | 3.59 | 83.20 | | | | Rust to slight rust color to clear. | |
| 23-Jan-03 | 0302 | 11:50 AM | 18.90 | | 8.16 | 10.74 | 344 | 5.88 | 12.60 | 0.39 | 0.00 | D. Zettwoch | Yes | | | 0.18 +/- 0.14 |
| 23-Apr-03 | | 2:38 PM | 18.90 | 5.16 | | 13.74 | 374 | 5.94 | 11.90 | 1.37 | 343.00 | | | | | |
| 23-Apr-03 | 1295 | 3:00 PM | 18.90 | | 7.55 | 11.35 | 344 | 5.74 | 11.50 | 0.30 | 0.00 | D. Zettwoch | Yes | | Red color | 0.34 +/- 0.14 |
| 24-Jul-03 | | 12:55 PM | 18.90 | 5.83 | | 13.07 | 419 | 6.09 | 13.90 | 1.64 | 7.40 | | | | Clear | |
| 24-Jul-03 | 2198 | 1:15 PM | 18.90 | | 8.09 | 10.81 | 348 | 5.99 | 13.90 | 0.25 | 0.00 | D. Zettwoch | Yes | | Pumped 4.0 gal | 0.31 +/- 0.13 |
| 23-Oct-03 | | 2:43 PM | 18.90 | 5.66 | | 13.24 | 440 | 6.36 | 15.25 | 3.58 | 2.80 | | | | | |
| 23-Oct-03 | 3027 | 3:01 PM | 18.90 | | 7.99 | 10.91 | 348 | 5.88 | 15.46 | 0.30 | 0.00 | D. Zettwoch | Yes | 1 qt/min | 5-gal total | 0.09 +/- 0.12 |
| 21-Jan-04 | | 2:02 PM | 18.90 | 4.57 | | 14.33 | 329 | 5.96 | 10.60 | 9.20 | 21.70 | | | | | |
| 21-Jan-04 | 0214 | 2:27 PM | 18.90 | | 7.15 | 11.75 | 349 | 6.05 | 12.20 | 0.42 | 0.00 | D. Zettwoch | Yes | | Clear | 0.32 +/- 0.15 |
| 14-Apr-04 | | 10:03 AM | 18.90 | 4.21 | | 14.79 | 366 | 6.13 | 10.60 | 4.05 | 43.30 | | | | Clear | |
| 14-Apr-04 | 1076 | 10:24 AM | 18.90 | | 5.74 | 13.26 | 349 | 6.00 | 10.50 | 0.54 | 0.00 | D. Zettwoch | Yes | | Purged 5 gal | 0.00 +/- 0.14 |
| 27-Oct-04 | | 2:52 PM | 18.90 | 4.57 | | 14.33 | 439 | 6.13 | 15.10 | 12.40 | 0.00 | | | | Clear | |
| 27-Oct-04 | 3128 | 3:11 PM | 18.90 | | 6.89 | 12.01 | 344 | 5.84 | 15.30 | 0.30 | 0.00 | D. Zettwoch | Yes | 1 qt/min | | 0.36 +/- 0.14 |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

ANNUAL REPORT
Maxey Flats Dispsal Site
2004

| | |
|---|---------------|
| WELL ID: - AW-7 | |
| Installation Information | |
| Depth of well - | 19.94 ft |
| Elevation of Bottom - | 698.07 |
| Top of Casing Elevator - | 718.01 |
| Ground Surface Elevati - | 715.61 |
| Date of Installation - | |
| TOC above LSD - | 2.40 ft |
| Quarterly Measurement | |
| Well Locked - | Yes |
| Pad checked - | Yes |
| Well Protector - | Ok |
| SC - Specific Conductivity DO - Dissolved Oxygen Temp - Temperature TU - Turbidity | |

| | | | | | | | MEASUREMENTS OBTAINED | | | | | | | | | LABORATORY |
|-----------|------------------|----------|---------------|----------------------|-----------------------|------------------|-----------------------|------|----------|------|--------|--------------|--------|--------------|----------------|-------------------|
| DATE | Laboratory Log # | TIME | TOC to Bottom | Liquid (ft) pre-meas | Liquid (ft) post-meas | Water Level (ft) | SC | pH | Temp (C) | DO | TU | Collected By | Sample | Pumping Rate | Comments | Activity (pCi/ml) |
| 23-Jan-03 | | 4:17 PM | 19.94 | 7.30 | | 12.64 | 103 | 5.45 | 13.30 | 3.76 | 0.00 | | | | Clear | |
| 23-Jan-03 | 0303 | 4:45 PM | 19.94 | | 8.12 | 11.82 | 146 | 5.91 | 14.00 | 0.76 | 0.00 | D. Zettwoch | Yes | | | 16.35 +/- 0.29 |
| 24-Apr-03 | | 12:20 PM | 19.94 | 6.66 | | 13.28 | 118 | 5.60 | 12.00 | 1.31 | 0.00 | | | | | |
| 24-Apr-03 | 1302 | 12:40 PM | 19.94 | | 7.77 | 12.17 | 170 | 5.90 | 12.10 | 0.45 | 0.00 | D. Zettwoch | Yes | | Clear | 13.72 +/- 0.28 |
| 24-Jul-03 | | 2:46 PM | 19.94 | 7.41 | | 12.53 | 338 | 5.79 | 14.30 | 2.09 | 106.00 | | | | Cloudy | |
| 24-Jul-03 | 2199 | 3:06 PM | 19.94 | | 8.46 | 11.48 | 171 | 6.03 | 13.50 | 0.37 | 0.00 | D. Zettwoch | Yes | | Pumped 4.0 gal | 12.57 +/- 0.25 |
| 24-Oct-03 | | 9:55 AM | 19.94 | 7.44 | | 12.50 | 158 | 6.08 | 14.33 | 0.80 | 0.00 | | | | | |
| 24-Oct-03 | 3030 | 10:17 AM | 19.94 | | 8.40 | 11.54 | 170 | 5.97 | 14.45 | 0.26 | 0.00 | D. Zettwoch | Yes | 1 qt/min | 5-gal total | 12.76 +/- 0.26 |
| 21-Jan-04 | | 4:00 PM | 19.94 | 6.50 | | 13.44 | 154 | 6.24 | 12.70 | 2.64 | 33.60 | | | | Rust | |
| 21-Jan-04 | 0215 | 4:21 PM | 19.94 | | 7.55 | 12.39 | 176 | 6.02 | 12.90 | 0.34 | 0.00 | D. Zettwoch | Yes | | | 8.36 +/- 0.23 |
| 14-Apr-04 | | 11:18 AM | 19.94 | 5.72 | | 14.22 | 120 | 6.03 | 12.10 | 2.97 | 5.40 | | | | Clear | |
| 14-Apr-04 | 1077 | 11:38 AM | 19.94 | | 6.89 | 13.05 | 159 | 5.89 | 12.20 | 0.54 | 0.00 | D. Zettwoch | Yes | | Purged 4.5 gal | 10.28 +/- 0.24 |
| 21-Jul-04 | | 3:00 PM | 19.94 | 7.98 | | 11.96 | 150 | 5.86 | 13.90 | 1.27 | 9.60 | | | | | |
| 21-Jul-04 | 2116 | 3:24 PM | 19.94 | | 8.33 | 11.61 | 169 | 5.95 | 13.60 | 0.62 | 0.00 | D. Zettwoch | Yes | 1 qt/min | Purged 5.5 gal | 9.45 +/- 0.24 |
| 28-Oct-04 | | 10:18 AM | 19.94 | 6.55 | | 13.39 | 204 | 6.29 | 14.70 | 1.81 | 4.20 | | | | | |
| 28-Oct-04 | 3132 | 10:41 AM | 19.94 | | 7.50 | 12.44 | 171 | 5.91 | 14.80 | 0.56 | 0.00 | D. Zettwoch | Yes | | clear | 5.90 +/- 0.20 |
| | | | | | | | | | | | | | | | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

| | |
|---|---------------|
| WELL ID: - AW-8 | |
| Installation Information | |
| Depth of well - | 20.00 ft |
| Elevation of Bottom - | 681.30 |
| Top of Casing Elevator - | 701.30 |
| Ground Surface Elevati - | 698.56 |
| Date of Installation - | |
| TOC above LSD - | 2.74 ft |
| Quarterly Measurement | |
| Well Locked - | Yes |
| Pad checked - | Yes |
| Well Protector - | Ok |
| SC - Specific Conductivity DO - Dissolved Oxygen Temp - Temperature TU - Turbidity | |

| DATE | Laboratory Log # | TIME | TOC to Bottom | Liquid (ft) pre-meas | Liquid (ft) post-meas | Water Level (ft) | MEASUREMENTS OBTAINED | | | | | Collected By | Sample | Pumping Rate | Comments | LABORATORY Activity (pCi/ml) |
|-----------|------------------|----------|---------------|----------------------|-----------------------|------------------|-----------------------|------|----------|------|-------|--------------|--------|----------------------|---|------------------------------|
| | | | | | | | SC | pH | Temp (C) | DO | TU | | | | | |
| 25-Apr-02 | | 11:57 AM | 20.10 | 5.12 | | 14.98 | 322 | | 13.10 | | | D. Zettwoch | Yes | 1 quart @ 80 seconds | Annulus between protective casing and well needs filling (2 ft). Well top of casing is 2.70 ft above ground surface. Water clear. | |
| 25-Apr-02 | 1208 | 12:10 PM | 20.10 | | 5.64 | 14.46 | 325 | 5.50 | 12.90 | | | D. Zettwoch | Yes | | Collected sample and discontinued pumping. No recovery rate computed. Only 0.5 ft drawdown. | 0.75 +/- 0.14 |
| 24-Apr-03 | | 10:40 AM | 20.10 | 6.46 | | 13.64 | 321 | 4.00 | 11.60 | 2.49 | 70.90 | | | | | |
| 24-Apr-03 | 1303 | 10:54 AM | 20.10 | | 7.17 | 12.93 | 320 | 3.74 | 11.50 | 1.15 | 0.00 | D. Zettwoch | Yes | | cloudy to clear | 0.22 +/- 0.14 |
| 14-Apr-04 | | 9:32 AM | 20.10 | 5.55 | | 14.55 | 334 | 4.22 | 11.10 | 3.83 | 14.20 | | | | Cloudy | |
| 14-Apr-04 | 1078 | 9:53 AM | 20.10 | | 5.70 | 14.40 | 334 | 4.13 | 11.10 | 1.39 | 0.00 | D. Zettwoch | Yes | | Purged 4.5 gal | 0.18 +/- 0.14 |
| 27-Oct-04 | | 3:57 PM | 20.10 | 6.29 | | 13.81 | 315 | 4.27 | 16.60 | 2.37 | 23.50 | | | | | |
| 27-Oct-04 | 3129 | 4:18 PM | 20.10 | | 6.93 | 13.17 | 315 | 3.99 | 16.60 | 0.32 | 0.00 | D. Zettwoch | Yes | 1 qt/min | clear | 0.36 +/- 0.14 |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

| | |
|-------------------------------------|------------------------------|
| WELL ID: - AW-9 | |
| Installation Information | Quarterly Measurement |
| Depth of well - 16.38 ft | Well Locked - Yes |
| Elevation of Bottom - 704.07 | Pad checked - Yes |
| Top of Casing Elevator - 720.45 | Well Protector - Ok |
| Ground Surface Elevatic - 718.17 | |
| Date of Installation - | |
| TOC above LSD - 2.28 ft | |

SC - Specific Conductivity DO - Dissolved Oxygen
Temp - Temperature TU - Turbidity

| | | | | | | | MEASUREMENTS OBTAINED | | | | | | | | | LABORATORY |
|-----------|------------------|---------|---------------|----------------------|-----------------------|------------------|-----------------------|------|----------|------|--------|--------------|--------|----------------------|--|-------------------|
| DATE | Laboratory Log # | TIME | TOC to Bottom | Liquid (ft) pre-meas | Liquid (ft) post-meas | Water Level (ft) | SC | pH | Temp (C) | DO | TU | Collected By | Sample | Pumping Rate | Comments | Activity (pCi/ml) |
| 25-Apr-02 | | 9:28 AM | 16.50 | 4.52 | | 11.98 | 638 | | 11.80 | | | | | | Annulus between protective casing and well needs filling. Well top of casing is 2.30 ft above ground surface. Water clear at start then became cloudy. | |
| 25-Apr-02 | 1212 | 9:55 AM | 16.50 | | 13.85 | 2.65 | 578 | 6.50 | 11.70 | | | D. Zettwoch | Yes | 1 quart @ 80 seconds | Collected sampled and discontinued pumping. | 1.14 +/- 0.15 |
| 24-Apr-03 | | 4:22 PM | 16.50 | 5.09 | | 11.41 | 543 | 6.15 | 11.70 | 2.02 | 12.10 | | | | | |
| 24-Apr-03 | 1296 | 4:42 PM | 16.50 | | 15.60 | 0.90 | 551 | 6.57 | 11.30 | 0.60 | 288.00 | D. Zettwoch | Yes | | Cloudy at start | 0.95 +/- 0.15 |
| 14-Apr-04 | | 3:32 PM | 16.50 | 10.13 | | 6.37 | 488 | 6.52 | 10.40 | 1.64 | 0.00 | | | | Clear | |
| 14-Apr-04 | 1079 | 3:52 PM | 16.50 | | 15.12 | 1.38 | 492 | 6.55 | 10.50 | 0.45 | 22.70 | D. Zettwoch | Yes | | Purged 4 gal | 1.12 +/- 0.15 |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

| | |
|---|---------------|
| WELL ID: - AW-10 | |
| Installation Information | |
| Depth of well - | 18.42 ft |
| Elevation of Bottom - | 660.67 |
| Top of Casing Elevator - | 679.09 |
| Ground Surface Elevati - | 676.49 |
| Date of Installation - | |
| TOC above LSD - | 2.60 ft |
| Quarterly Measurement | |
| Well Locked - | Yes |
| Pad checked - | Yes |
| Well Protector - | Ok |
| SC - Specific Conductivity DO - Dissolved Oxygen Temp - Temperature TU - Turbidity | |

| DATE | Laboratory Log # | TIME | TOC to Bottom | Liquid (ft) pre-meas | Liquid (ft) post-meas | Water Level (ft) | MEASUREMENTS OBTAINED | | | | | Collected By | Sample | Pumping Rate | Comments | LABORATORY |
|-----------|------------------|----------|---------------|----------------------|-----------------------|------------------|-----------------------|------|----------|------|--------|--------------|--------|--------------|--|-------------------|
| | | | | | | | SC | pH | Temp (C) | DO | TU | | | | | Activity (pCi/ml) |
| 23-Jan-03 | | 3:30 PM | 18.50 | 5.76 | | 12.74 | 125 | 6.00 | 12.90 | 3.59 | 77.30 | | | | Rust color to clear; Turb went out of range@ 15:39 but came back within range at 15:44 | |
| 23-Jan-03 | 0304 | 3:56 PM | 18.50 | | 6.41 | 12.09 | 115 | 5.58 | 12.80 | 0.58 | 0.00 | D. Zettwoch | Yes | 1 qt/min | | 0.16 +/- 0.14 |
| 24-Apr-03 | | 10:00 AM | 18.50 | 5.03 | | 13.47 | 125 | 5.97 | 12.00 | 1.15 | 1000+ | | | | | |
| 24-Apr-03 | 1304 | 10:20 AM | 18.50 | | 5.77 | 12.73 | 118 | 5.84 | 11.90 | 0.37 | 0.00 | D. Zettwoch | Yes | | Cloudy, red color, clear at sampling | 0.33 +/- 0.14 |
| 24-Jul-03 | | 2:07 PM | 18.50 | 6.03 | | 12.47 | 99 | 6.08 | 14.90 | 1.18 | 34.30 | | | | Red color | |
| 24-Jul-03 | 2200 | 2:27 PM | 18.50 | | 6.83 | 11.67 | 112 | 5.94 | 14.40 | 0.16 | 16.20 | D. Zettwoch | Yes | | Pumped 4.5 gal | 0.11 +/- 0.13 |
| 24-Oct-03 | | 9:15 AM | 18.50 | 6.36 | | 12.14 | 131 | 6.27 | 14.42 | 3.74 | 375.00 | | | | | |
| 24-Oct-03 | 3029 | 9:41 AM | 18.50 | | 7.18 | 11.32 | 119 | 5.96 | 15.11 | 0.36 | 0.00 | D. Zettwoch | Yes | 1 qt/min | Pumped 5-gal | 0.31 +/- 0.12 |
| 21-Jan-04 | | 3:19 PM | 18.50 | 4.33 | | 14.17 | 97.5 | 6.16 | 12.60 | 4.39 | 245.00 | | | | | |
| 21-Jan-04 | 0216 | 3:44 PM | 18.50 | | 5.21 | 13.29 | 116 | 5.75 | 12.50 | 0.40 | 0.00 | D. Zettwoch | Yes | | Pumped 2.3 gal | 0.31 +/- 0.15 |
| 14-Apr-04 | | 5:04 PM | 18.50 | 3.82 | | 14.68 | 112 | 5.65 | 11.60 | 2.60 | 168.00 | | | | purged 4 gal | |
| 14-Apr-04 | 1080 | 5:22 PM | 18.50 | | 4.05 | 14.45 | 112 | 5.66 | 11.40 | 0.57 | 7.90 | D. Zettwoch | Yes | | | 0.03 +/- 0.14 |
| 27-Oct-04 | | 3:24 PM | 18.50 | 4.55 | | 13.95 | 96 | 5.56 | 15.60 | 4.28 | 206.00 | | | | Rust color | |
| 27-Oct-04 | 3130 | 3:44 PM | 18.50 | | 5.26 | 13.24 | 113 | 5.62 | 15.60 | 0.33 | 0.00 | D. Zettwoch | Yes | 1 qt/min | clear | 0.25 +/- 0.14 |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

| | |
|---|---------------|
| WELL ID: - AW-12 | |
| Installation Information | |
| Depth of well - | 17.90 ft |
| Elevation of Bottom - | 650.61 |
| Top of Casing Elevator - | 668.51 |
| Ground Surface Elevati - | 665.66 |
| Date of Installation - | |
| TOC above LSD - | 2.85 ft |
| Quarterly Measurement | |
| Well Locked - | Yes |
| Pad checked - | Yes |
| Well Protector - | Ok |
| SC - Specific Conductivity DO - Dissolved Oxygen Temp - Temperature TU - Turbidity | |

| | | | | | | | MEASUREMENTS OBTAINED | | | | | | | | | LABORATORY |
|-----------|------------------|---------|---------------|----------------------|-----------------------|------------------|-----------------------|------|----------|------|-------|--------------|--------|----------------------|-----------------|-------------------|
| DATE | Laboratory Log # | TIME | TOC to Bottom | Liquid (ft) pre-meas | Liquid (ft) post-meas | Water Level (ft) | SC | pH | Temp (C) | DO | TU | Collected By | Sample | Pumping Rate | Comments | Activity (pCi/ml) |
| 23-Jan-03 | | 2:50 PM | 18.00 | 7.72 | | 10.28 | 442 | 6.21 | 12.40 | 3.11 | 59.50 | | | | Clear | |
| 23-Jan-03 | 0305 | 3:10 PM | 18.00 | | 10.53 | 7.47 | 413 | 6.22 | 11.80 | 0.52 | 0.00 | D. Zettwoch | Yes | 1 quart @ 60 seconds | | 0.31 +/- 0.14 |
| 23-Apr-03 | | 3:12 PM | 18.00 | 6.91 | | 11.09 | 444 | 5.98 | 11.20 | 3.31 | 4.90 | | | | | |
| 23-Apr-03 | 1297 | 3:30 PM | 18.00 | | 9.35 | 8.65 | 426 | 6.08 | 10.60 | 0.26 | 0.00 | D. Zettwoch | Yes | | Clear | 0.18 +/- 0.14 |
| 24-Jul-03 | | 1:30 PM | 18.00 | 7.66 | | | 480 | 6.44 | 14.00 | 1.33 | 0.00 | | | | Clear | |
| 24-Jul-03 | 2201 | 1:52 PM | 18.00 | | 10.41 | | 433 | 6.37 | 13.40 | 0.21 | 0.00 | D. Zettwoch | Yes | | Pumped 4.5 gal | 0.24 +/- 0.13 |
| 23-Oct-03 | | 3:17 PM | 18.00 | 7.42 | | 10.58 | 465 | 6.36 | 15.19 | 1.82 | 0.00 | | | | | |
| 23-Oct-03 | 3028 | 3:38 PM | 18.00 | | 10.20 | 7.80 | 435 | 6.21 | 15.11 | 0.23 | 0.00 | D. Zettwoch | Yes | 1 quart @ 60 seconds | 5-gal total | 0.29 +/- 0.12 |
| 21-Jan-04 | | 2:38 PM | 18.00 | 6.50 | | 11.50 | 453 | 6.30 | 11.10 | 4.27 | 0.00 | | | | | |
| 21-Jan-04 | 0217 | 3:06 PM | 18.00 | | 9.28 | 8.72 | 429 | 6.27 | 11.80 | 0.56 | 0.00 | D. Zettwoch | Yes | 1 qt/min | Clear | 0.00 +/- 0.14 |
| 14-Apr-04 | | 2:23 PM | 18.00 | 7.40 | | 10.60 | 446 | 6.30 | 10.20 | 4.07 | 0.00 | | | | Clear | |
| 14-Apr-04 | 1081 | 2:45 PM | 18.00 | | 9.05 | 8.95 | 431 | 6.25 | 10.00 | 0.33 | 0.00 | D. Zettwoch | Yes | | purged 4.75 gal | 0.27 +/- 0.14 |
| 21-Jul-04 | | 1:24 PM | 18.00 | 7.81 | | 10.19 | 440 | 6.22 | 13.60 | 1.17 | 0.00 | | | | | |
| 21-Jul-04 | 2114 | 1:48 PM | 18.00 | | 9.92 | 8.08 | 426 | 6.21 | 13.50 | 0.33 | 0.00 | D. Zettwoch | Yes | 1 qt./min | purged 5.5 gal | 0.00 +/- 0.13 |
| | | | | | | | | | | | | | | | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

| | |
|-------------------------------------|------------------------------|
| WELL ID: - AW-13b | |
| Installation Information | Quarterly Measurement |
| Depth of well - 21.63 ft | Well Locked - Yes |
| Elevation of Bottom - 709.10 | Pad checked - Yes |
| Top of Casing Elevator - 730.73 | Well Protector - Ok |
| Ground Surface Elevati - 728.27 | |
| Date of Installation - | |
| TOC above LSD - 2.46 ft | |

SC - Specific Conductivity DO - Dissolved Oxygen
Temp - Temperature TU - Turbidity

| DATE | Laboratory Log # | TIME | TOC to Bottom | Liquid (ft) pre-meas | Liquid (ft) post-meas | Water Level (ft) | MEASUREMENTS OBTAINED | | | | | Collected By | Sample | Pumping Rate | Comments | LABORATORY Activity (pCi/ml) |
|-----------|------------------|----------|---------------|----------------------|-----------------------|------------------|-----------------------|------|----------|------|------|--------------|--------|--|---|------------------------------|
| | | | | | | | SC | pH | Temp (C) | DO | TU | | | | | |
| 25-Apr-02 | | 10:05 AM | 21.75 | 0.74 | | 21.01 | 260 | | 12.5 | | | D. Zettwoch | Yes | Pumping rate was 0.10 ft at 80 seconds | Annulus between protective casing and well needs filling. Water level was approximately 2 feet above ground surface at initial measurement. | |
| 25-Apr-02 | 1211 | 10:32 AM | 21.75 | | 16.40 | 5.35 | 255 | 4.9 | 12.9 | | | D. Zettwoch | Yes | | Collected sampled and discontinued pumping. Water clear to cloudy. Recovery rate was 0.05 ft at 2 minutes. | 0.69 +/- 0.14 |
| 23-Apr-03 | | 3:49 PM | 21.75 | 1.20 | | 20.55 | 247 | 4.94 | 12.4 | 1.58 | 50 | | | | | |
| 23-Apr-03 | 1298 | 4:11 PM | 21.75 | | 18.00 | 3.75 | 247 | 4.73 | 12.4 | 1.45 | 41.2 | D. Zettwoch | Yes | | Clear | 0.61 +/- 0.14 |
| 14-Apr-04 | | 3:00 PM | 21.75 | 0.45 | | 21.30 | 252 | 5.32 | 11.5 | 4.06 | 0 | | | | Clear | |
| 14-Apr-04 | 1082 | 3:21 PM | 21.75 | | 17.48 | 4.27 | 252 | 5.03 | 11.9 | 0.9 | 0 | D. Zettwoch | Yes | | Purged 3.75 gal | 0.78 +/- 0.15 |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

| | |
|-------------------------------------|------------------------------|
| WELL ID: - AW-14 | |
| Installation Information | Quarterly Measurement |
| Depth of well - 19.95 ft | Well Locked - Yes |
| Elevation of Bottom - 686.12 | Pad checked - Yes |
| Top of Casing Elevator - 706.07 | Well Protector - Ok |
| Ground Surface Elevation - 703.25 | |
| Date of Installation - | |
| TOC above LSD - 2.82 ft | |

SC - Specific Conductivity DO - Dissolved Oxygen
Temp - Temperature TU - Turbidity

| | | | | | | | MEASUREMENTS OBTAINED | | | | | | | | | LABORATORY |
|-----------|------------------|----------|---------------|----------------------|-----------------------|------------------|-----------------------|------|----------|------|--------|--------------|--------|----------------------|---|-------------------|
| DATE | Laboratory Log # | TIME | TOC to Bottom | Liquid (ft) pre-meas | Liquid (ft) post-meas | Water Level (ft) | SC | pH | Temp (C) | DO | TU | Collected By | Sample | Pumping Rate | Comments | Activity (pCi/ml) |
| 25-Apr-02 | | 1:23 PM | 20.00 | 4.34 | | 15.66 | 457 | | 13.80 | | | | | | Annulus between protective casing and well needs filling (2 ft). Wate cloudy, cleared up before sample taken. | |
| 25-Apr-02 | 1207 | 1:47 PM | 20.00 | | 5.08 | 14.92 | 553 | 6.40 | 12.80 | | | D. Zettwoch | Yes | 1 quart @ 80 seconds | Collected sampled and discontinued pumping. No recovery rate computed, only 0.5 ft drawdown. | 0.00 +/- 0.42 |
| 24-Apr-03 | | 11:11 AM | 20.00 | 4.75 | | 15.25 | 626 | 6.41 | 11.40 | 1.18 | 168.00 | | | | | |
| 24-Apr-03 | 1305 | 11:28 AM | 20.00 | | 5.62 | 14.38 | 627 | 6.86 | 11.40 | 0.33 | 0.00 | D. Zettwoch | Yes | | Red color; clear up shortly after pumping | 0.00 +/- 0.13 |
| 15-Apr-04 | | 10:05 AM | 20.00 | 4.80 | | 15.20 | 576 | 6.69 | 10.70 | 1.24 | 0.00 | | | | Black Sed/Sulfur smell | |
| 15-Apr-04 | 1083 | 10:24 AM | 20.00 | | 5.34 | 14.66 | 586 | 7.01 | 10.80 | 0.20 | 0.00 | D. Zettwoch | Yes | | Purged 5 gal | 0.20 +/- 0.14 |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

| | |
|---|---------------|
| WELL ID: - AW-15 | |
| Installation Information | |
| Depth of well - | 22.05 ft |
| Elevation of Bottom - | 713.45 |
| Top of Casing Elevator - | 735.50 |
| Ground Surface Elevati - | 733.15 |
| Date of Installation - | |
| TOC above LSD - | 2.35 ft |
| Quarterly Measurement | |
| Well Locked - | Yes |
| Pad checked - | Yes |
| Well Protector - | Ok |
| SC - Specific Conductivity DO - Dissolved Oxygen Temp - Temperature TU - Turbidity | |

| DATE | Laboratory Log # | TIME | TOC to Bottom | Liquid (ft) pre-meas | Liquid (ft) post-meas | Water Level (ft) | MEASUREMENTS OBTAINED | | | | | Collected By | Sample | Pumping Rate | Comments | LABORATORY |
|-----------|------------------|----------|---------------|----------------------|-----------------------|------------------|-----------------------|------|----------|------|-------|--------------|--------|----------------------|--|-------------------|
| | | | | | | | SC | pH | Temp (C) | DO | TU | | | | | Activity (pCi/ml) |
| 25-Apr-02 | | 2:16 PM | 22.15 | 4.70 | | 17.45 | 345 | | 13.40 | | | | | | Annulus between protective casing and well needs filling. Water cloudy, cleared up as pumping. | |
| 25-Apr-02 | 1206 | 2:40 PM | 22.15 | | 8.92 | 13.23 | 899 | 6.60 | 12.00 | | | D. Zettwoch | Yes | 1 quart @ 80 seconds | Collected sampled and discontinued pumping. Recovery rate was 0.10 ft at 15 seconds. | 0.58 +/- 0.14 |
| 24-Apr-03 | | 11:48 AM | 22.15 | 5.91 | | 16.24 | 416 | 6.22 | 11.20 | 1.87 | 29.00 | | | | | |
| 24-Apr-03 | 1306 | 12:07 PM | 22.15 | | 10.96 | 11.19 | 909 | 6.56 | 11.30 | 0.42 | 0.00 | D. Zettwoch | Yes | | Clear | 0.43 +/- 0.14 |
| 15-Apr-04 | | 10:40 AM | 22.15 | 6.61 | | 15.54 | 1128 | 6.84 | 10.40 | 3.97 | 0.00 | | | | Clear | |
| 15-Apr-04 | 1084 | 11:03 AM | 22.15 | | 10.41 | 11.74 | 999 | 6.77 | 10.30 | 0.29 | 0.00 | D. Zettwoch | Yes | | Purged 5 gal | 0.55 +/- 0.14 |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

| | |
|---------------------------------|---------------|
| WELL ID: - ALT-1 | |
| Installation Information | |
| Depth of well - | 19.95 ft |
| Elevation of Bottom - | 666.62 |
| Top of Casing Elevati - | 686.57 |
| Ground Surface Elevati - | 684.27 |
| Date of Installation - | |
| TOC above LSD - | 2.30 ft |

| | |
|------------------------------|-----|
| Quarterly Measurement | |
| Well Locked - | Yes |
| Pad checked - | Yes |
| Well Protector - | Ok |

SC - Specific Conductivity DO - Dissolved Oxygen
Temp - Temperature TU - Turbidity

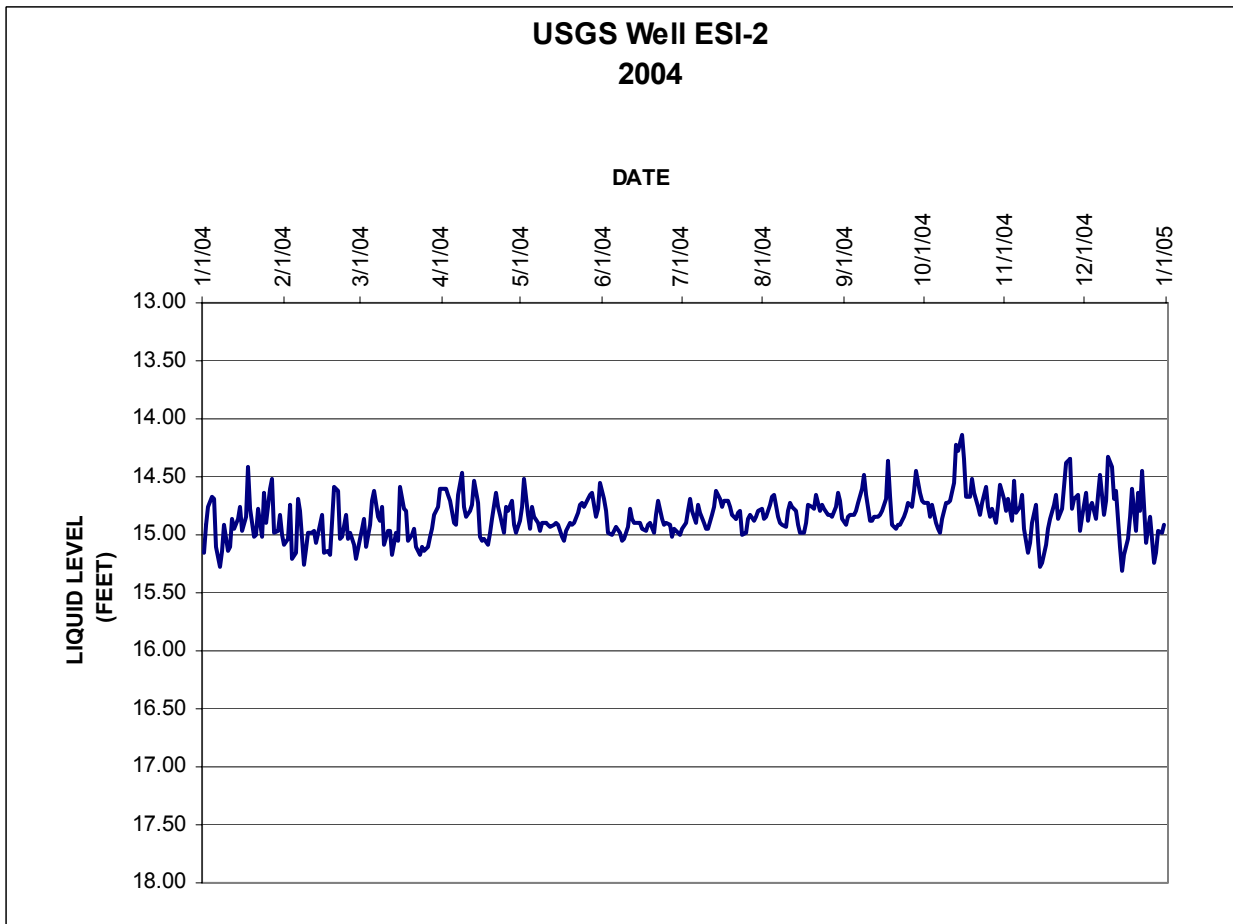
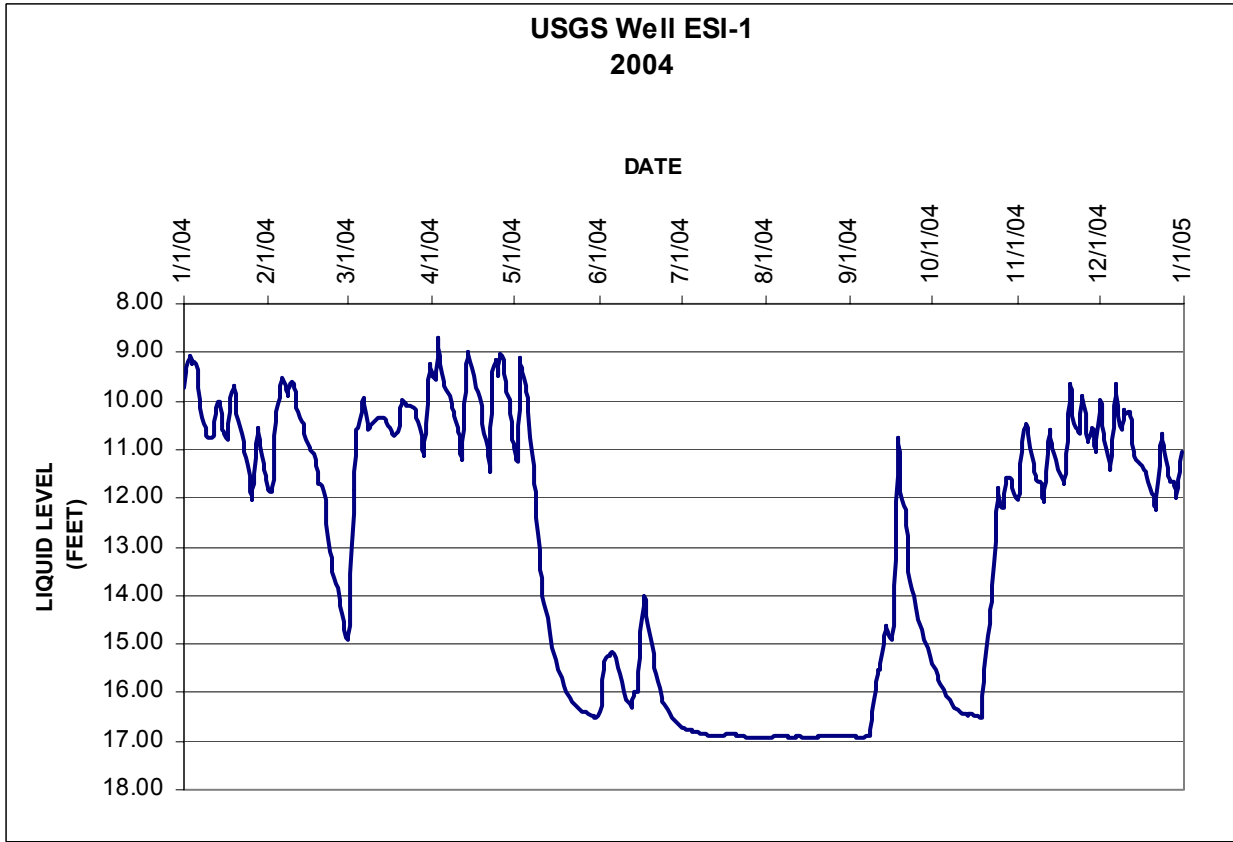
| DATE | Laboratory Log # | TIME | TOC to Bottom | Liquid (ft) pre-meas | Liquid (ft) post-meas | Water Level (ft) | MEASUREMENTS OBTAINED | | | | | Collected By | Sample | Pumping Rate | Comments | LABORATORY Activity (pCi/ml) |
|-----------|------------------|----------|---------------|----------------------|-----------------------|------------------|-----------------------|------|----------|------|--------|--------------|--------|----------------------|--|------------------------------|
| | | | | | | | SC | pH | Temp (C) | DO | TU | | | | | |
| 25-Apr-02 | | 11:20 AM | 20.00 | 7.05 | | 12.95 | 177 | | 12.70 | | | | | | Annulus between protective casing and well needs filling (0.3 ft). Water red in color, clearing up as pumping. | |
| 25-Apr-02 | 1209 | 11:44 AM | 20.00 | | 7.78 | 12.22 | 202 | 6.10 | 12.40 | | | D. Zettwoch | Yes | 1 quart @ 80 seconds | Collected sampled and discontinued pumping. No recovery rate computed, drawdown only 0.73 ft. | 1.57 +/- 0.15 |
| 24-Jul-02 | | 1:24 PM | 20.00 | 8.98 | | 11.02 | | | | | | | | | Liquid was rusty looking but cleared up. | |
| 24-Jul-02 | 2005 | 1:48 PM | 20.00 | | 9.95 | 10.05 | 228 | 6.26 | 14.80 | 0.48 | 5.70 | D. Zettwoch | Yes | | Clear | 1.24 +/- 0.15 |
| 24-Apr-03 | | 9:30 AM | 20.00 | 8.40 | | 11.60 | 84 | 5.37 | 11.50 | 2.52 | 62.50 | | | | | |
| 24-Apr-03 | 1301 | 9:50 AM | 20.00 | | 9.30 | 10.70 | 122 | 5.82 | 11.40 | 0.49 | 0.00 | D. Zettwoch | Yes | | Clear | 0.58 +/- 0.14 |
| 14-Apr-04 | | 4:31 PM | 20.00 | 6.25 | | 13.75 | 100 | 5.98 | 11.30 | 3.55 | 177.00 | | | | Cloudy/Red | |
| 14-Apr-04 | 1071 | 4:51 PM | 20.00 | | 6.90 | 13.10 | 110 | 5.75 | 11.00 | 1.15 | 0.00 | D. Zettwoch | Yes | | Purged 4 gal | 0.37 +/- 0.14 |
| 21-Jul-04 | | 12:00 AM | 20.00 | 8.90 | | 11.10 | 87 | 5.36 | 14.11 | 1.11 | 2.20 | | | | | |
| 21-Jul-04 | 2115 | 12:00 AM | 20.00 | | 9.51 | 10.49 | 103 | 5.55 | 13.90 | 0.37 | 0.00 | D. Zettwoch | Yes | | Purged 5 gal | 0.22 +/- 0.14 |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

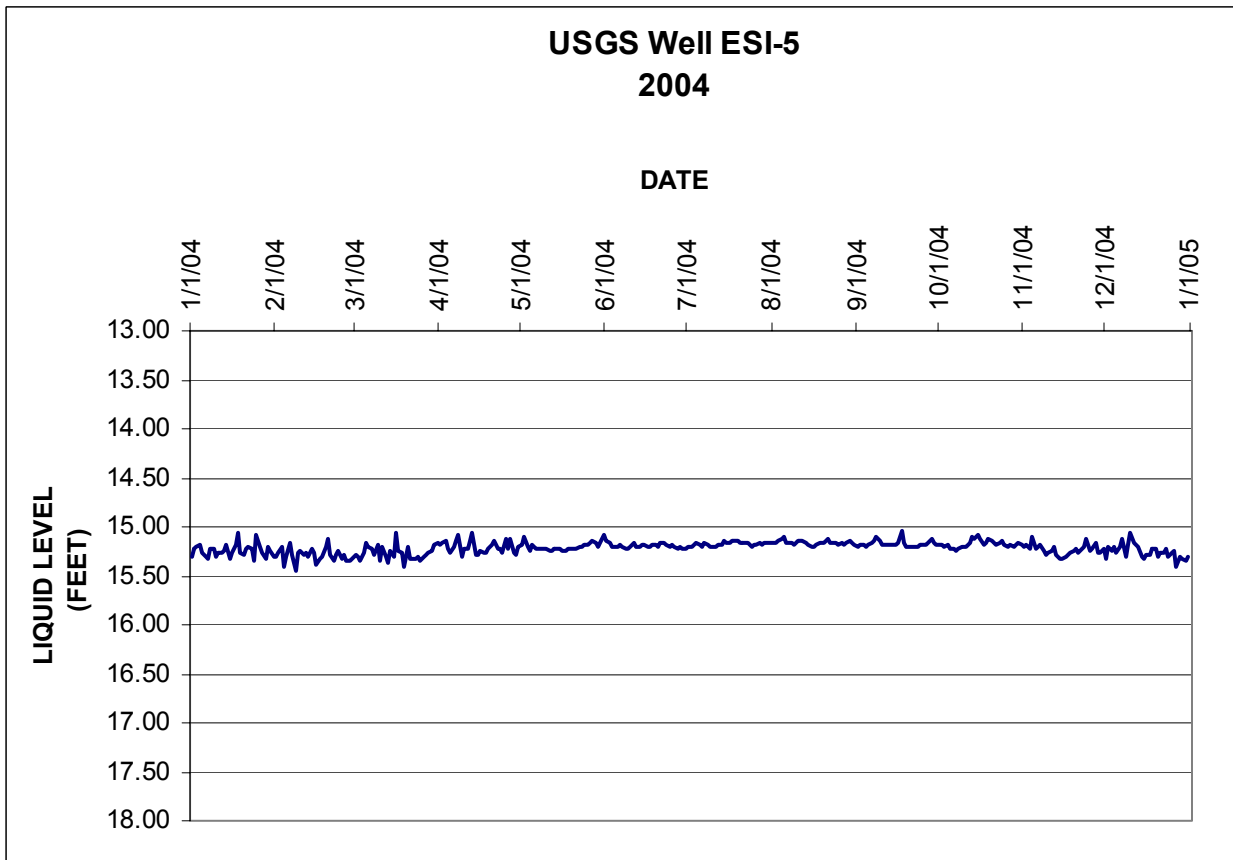
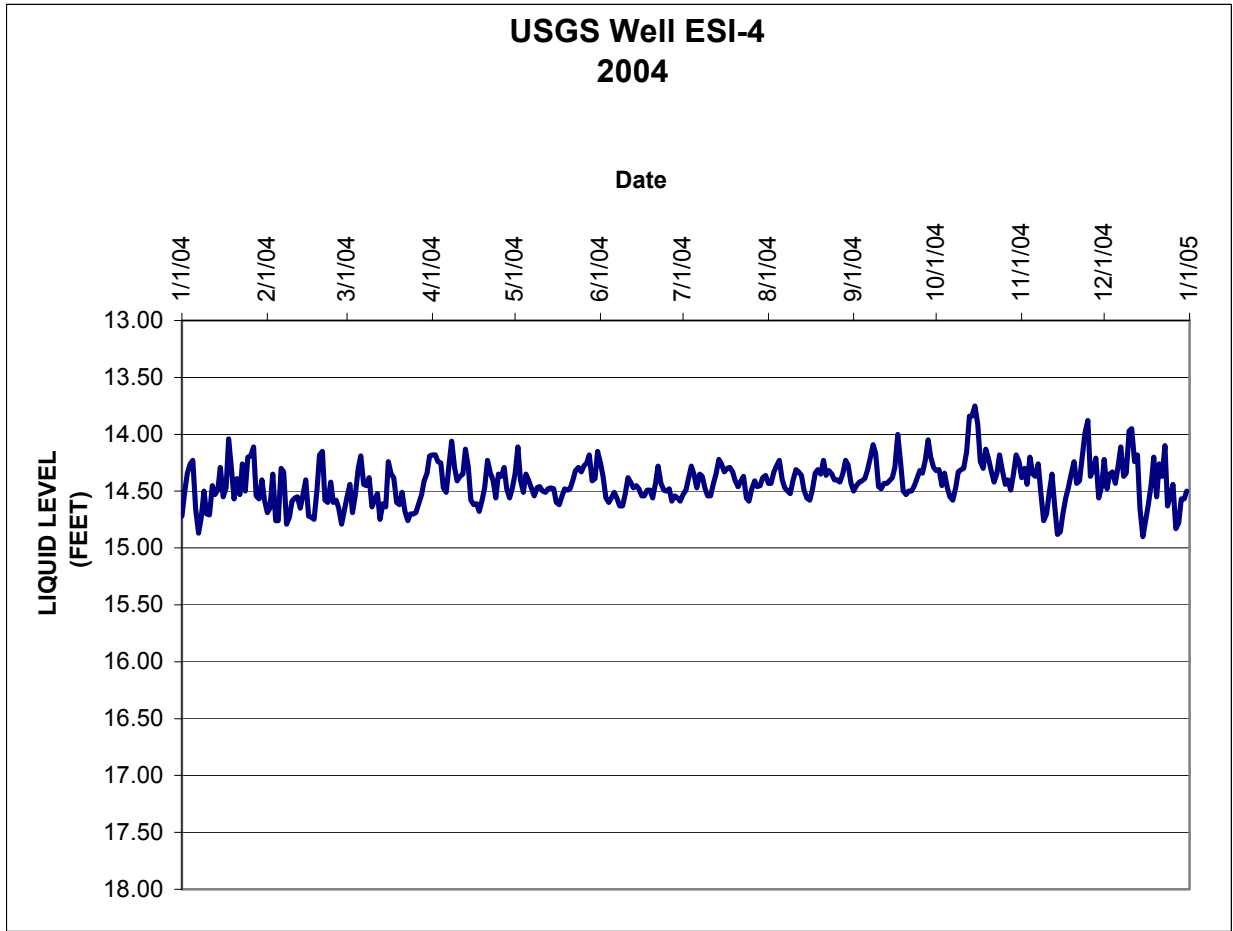
APPENDIX E3

**USGS MONITORING WELLS
LIQUID LEVEL CHARTS
2004**

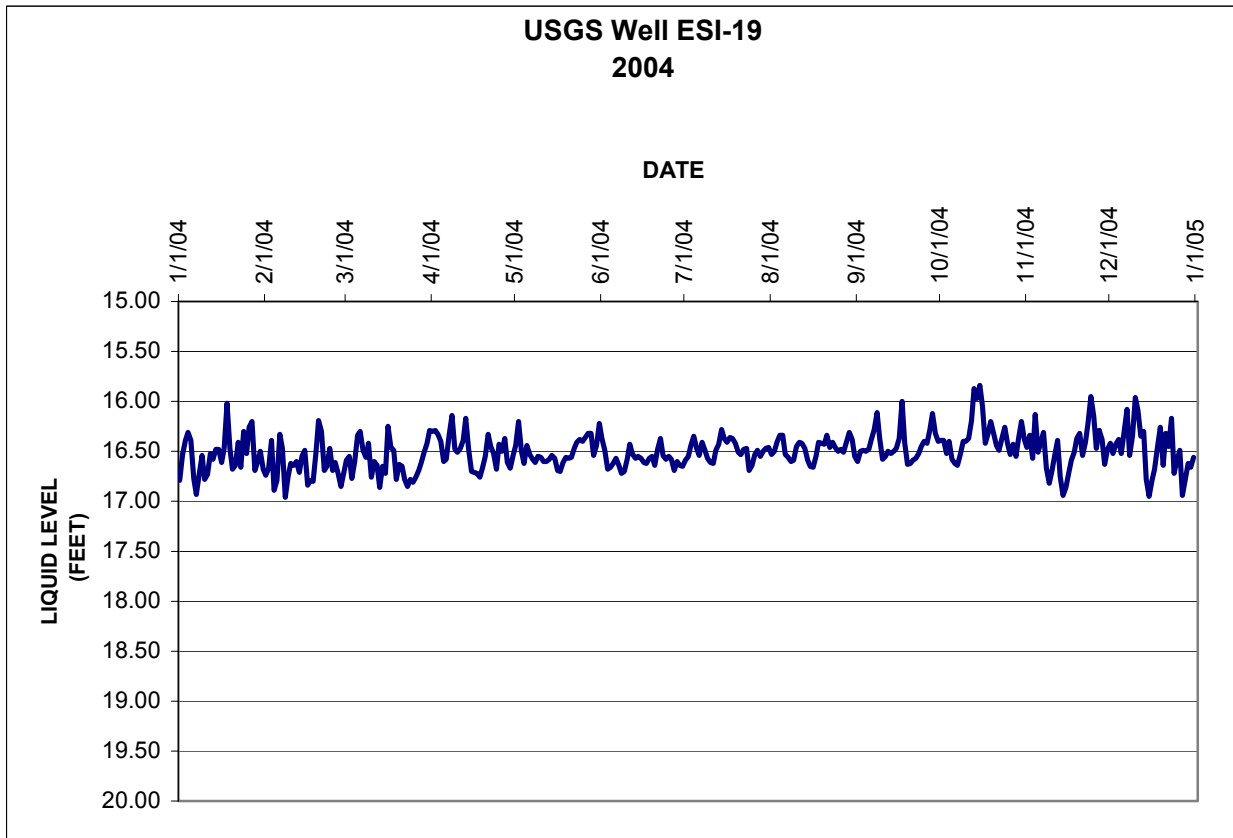
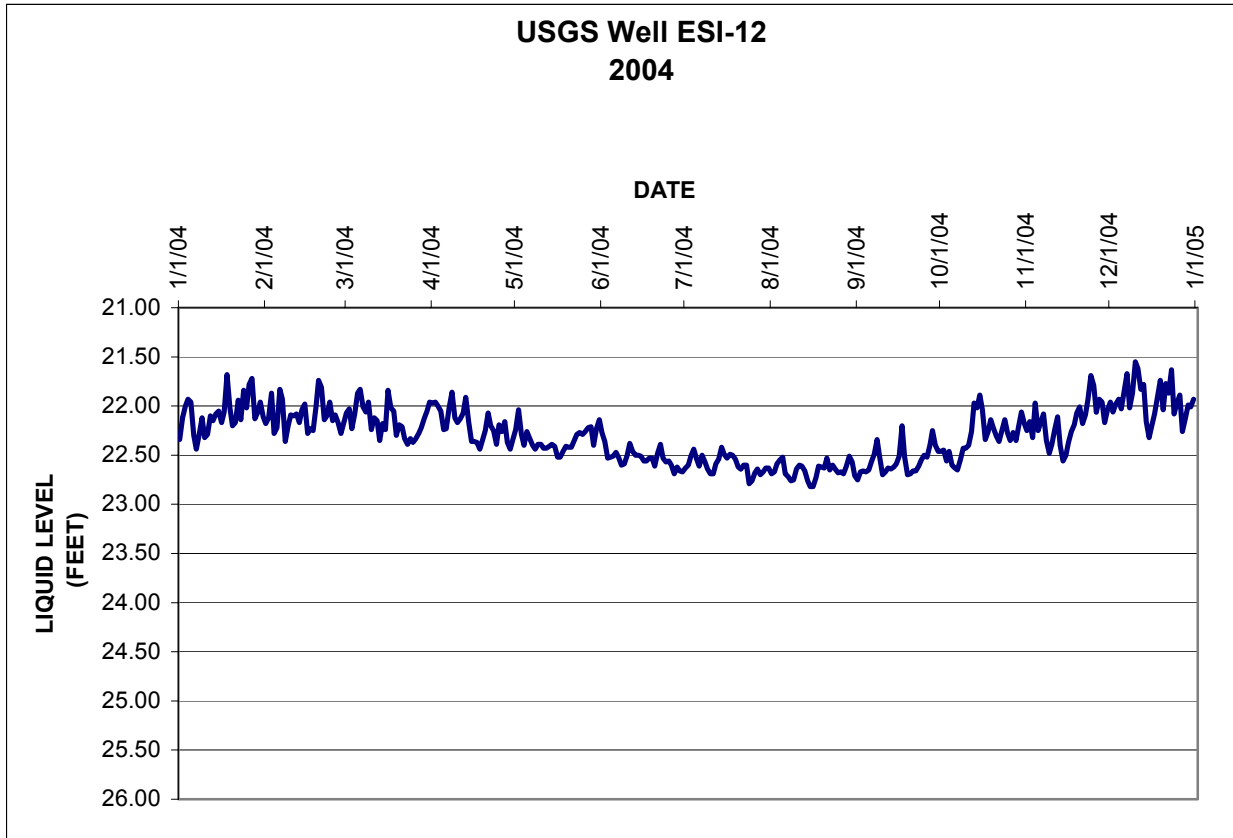
ANNUAL REPORT
Maxey Flats Disposal Site
2004



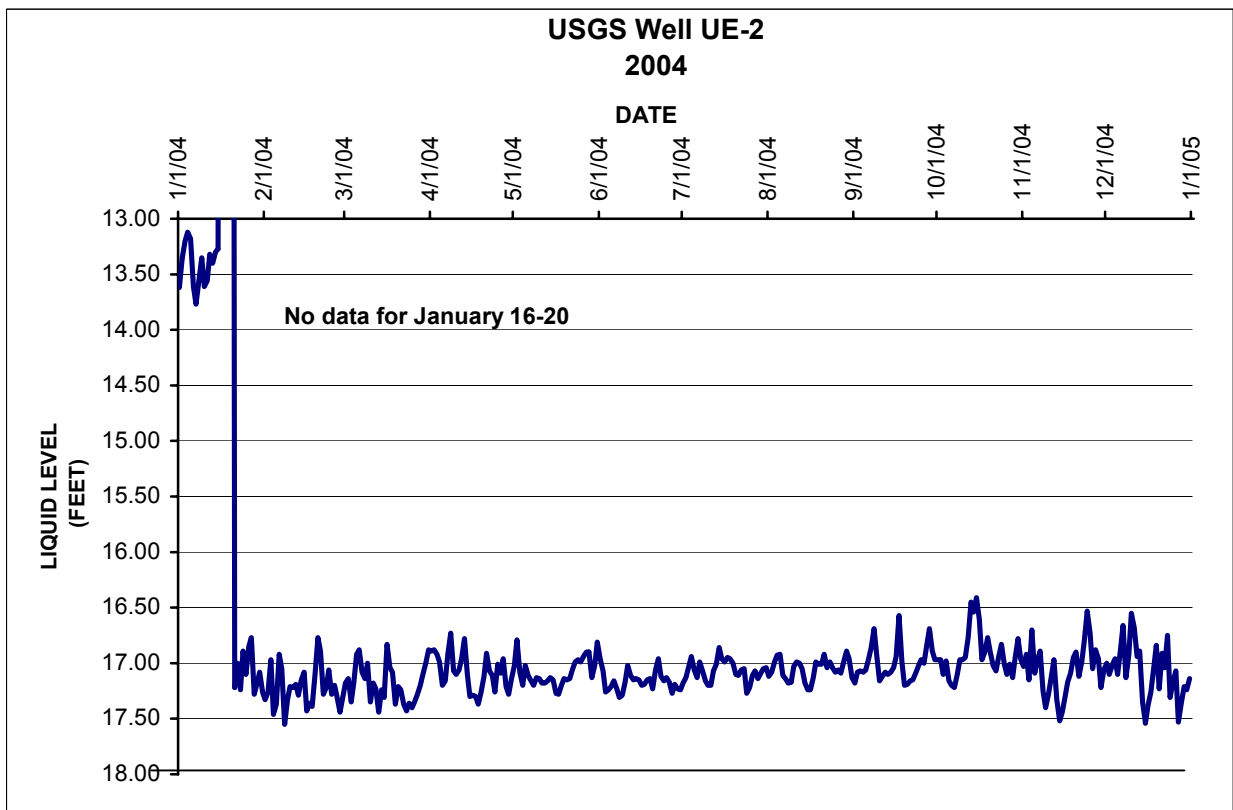
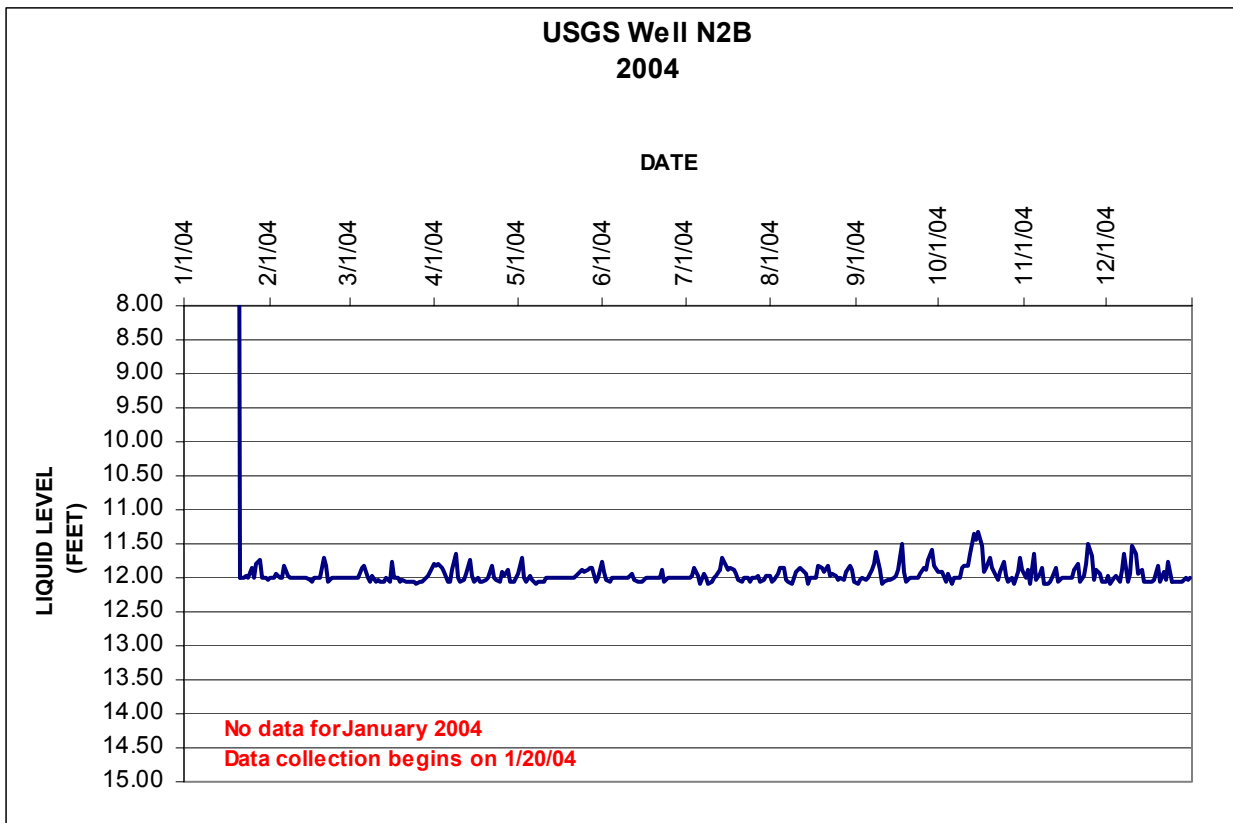
ANNUAL REPORT
Maxey Flats Disposal Site
2004



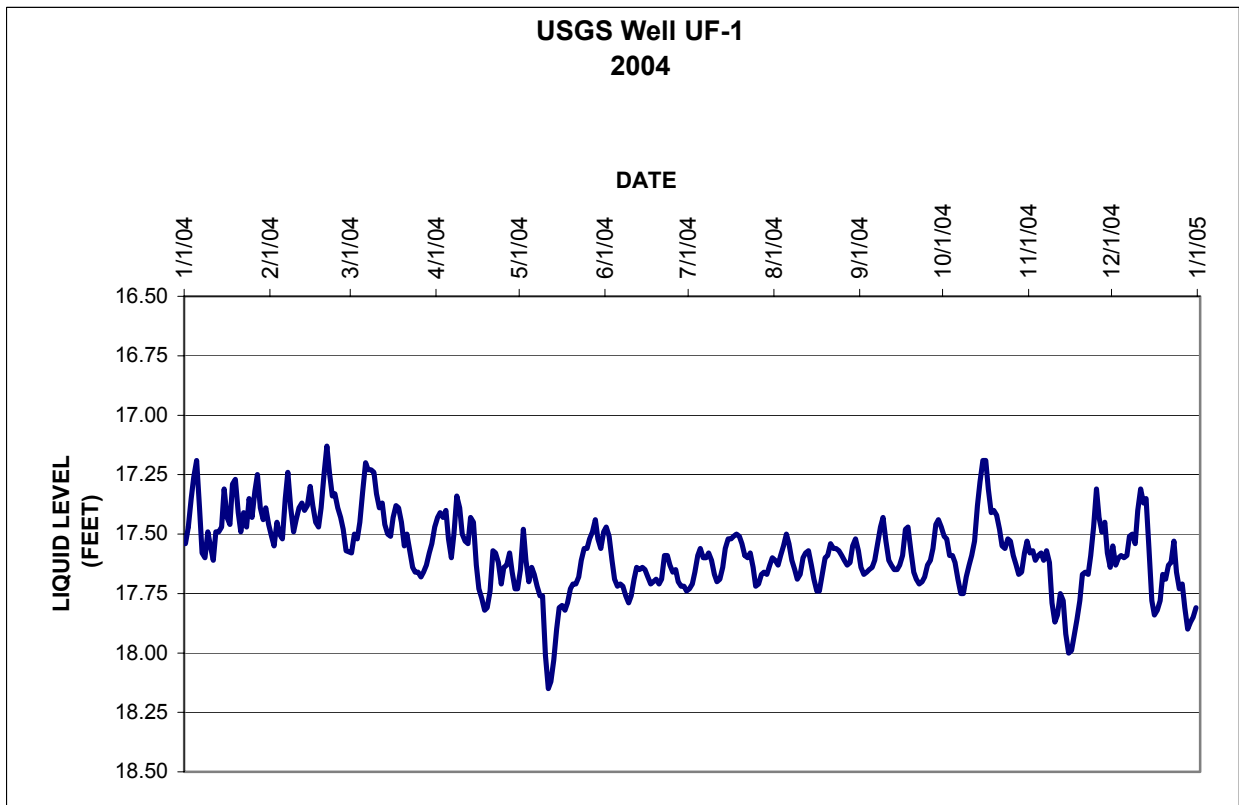
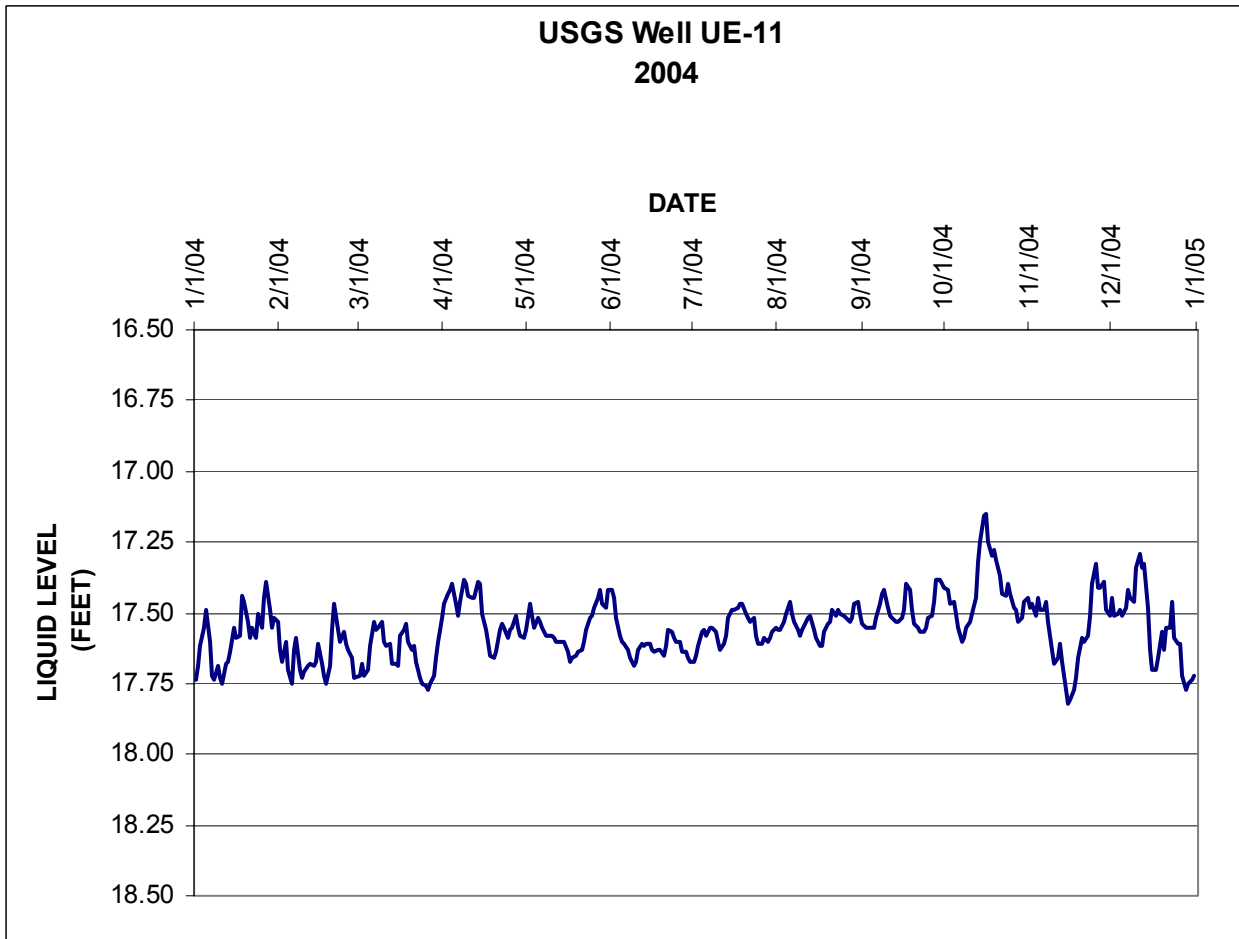
ANNUAL REPORT
Maxey Flats Disposal Site
2004



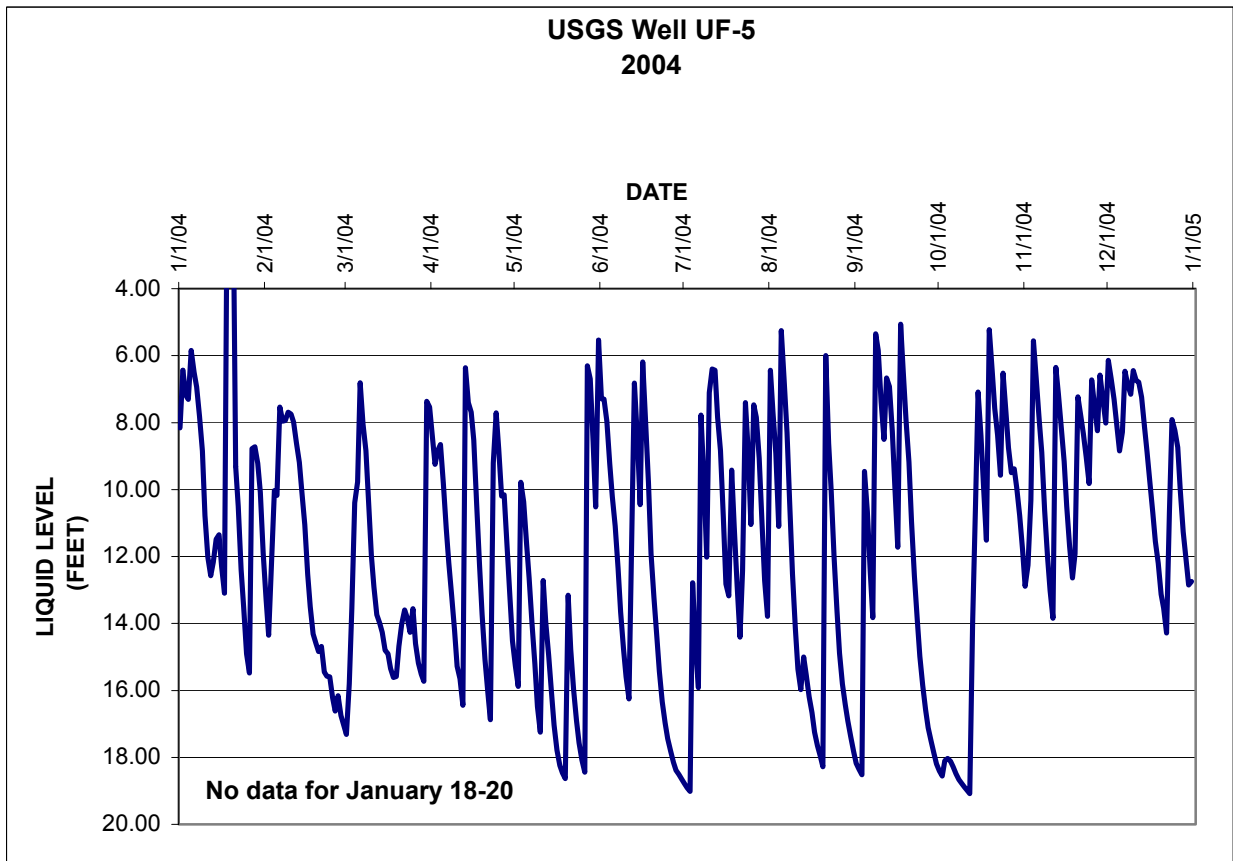
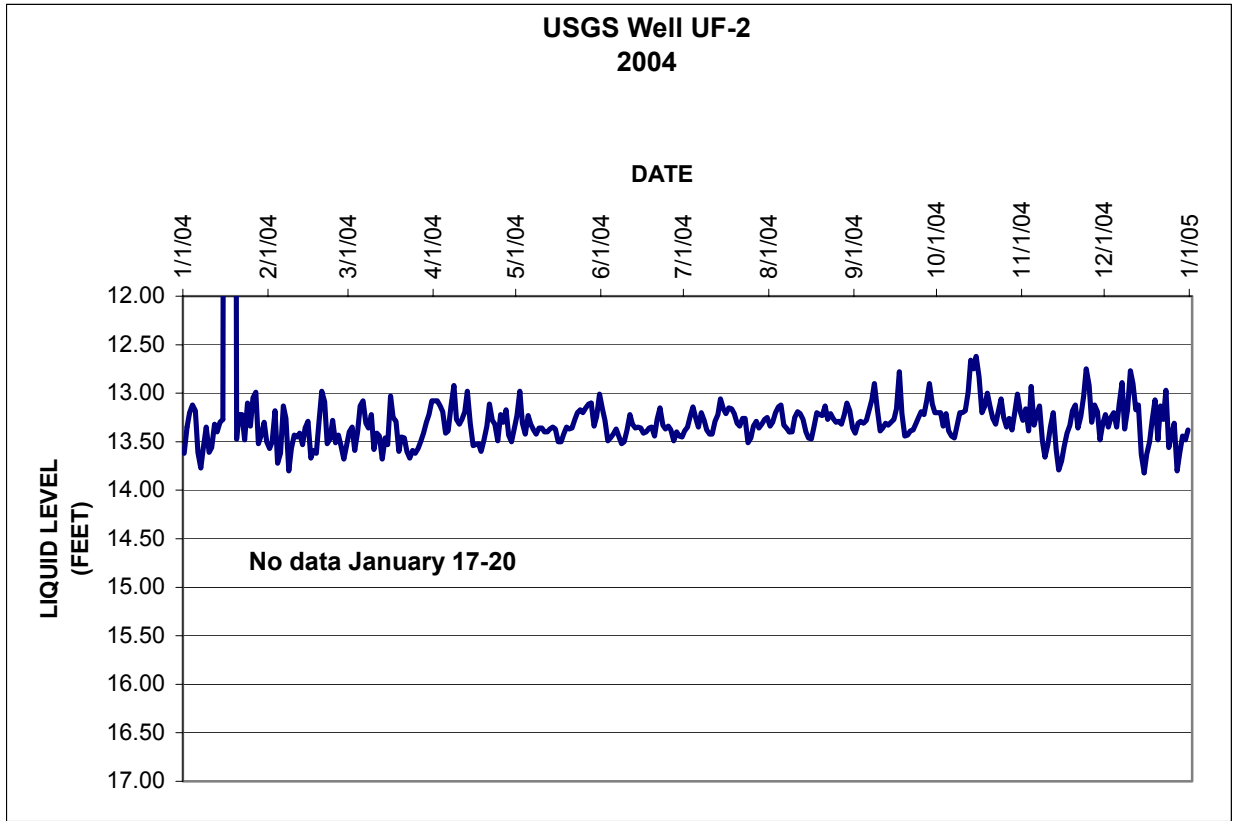
ANNUAL REPORT
Maxey Flats Disposal Site
2004



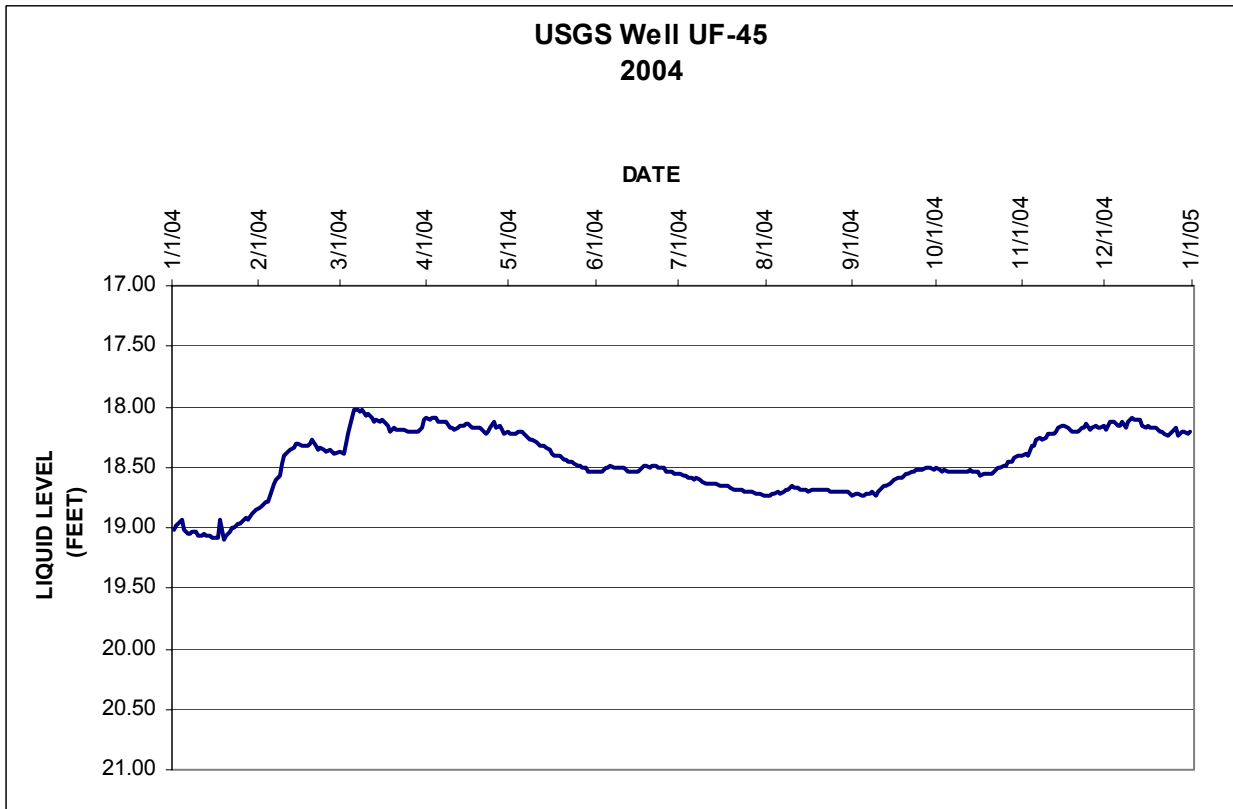
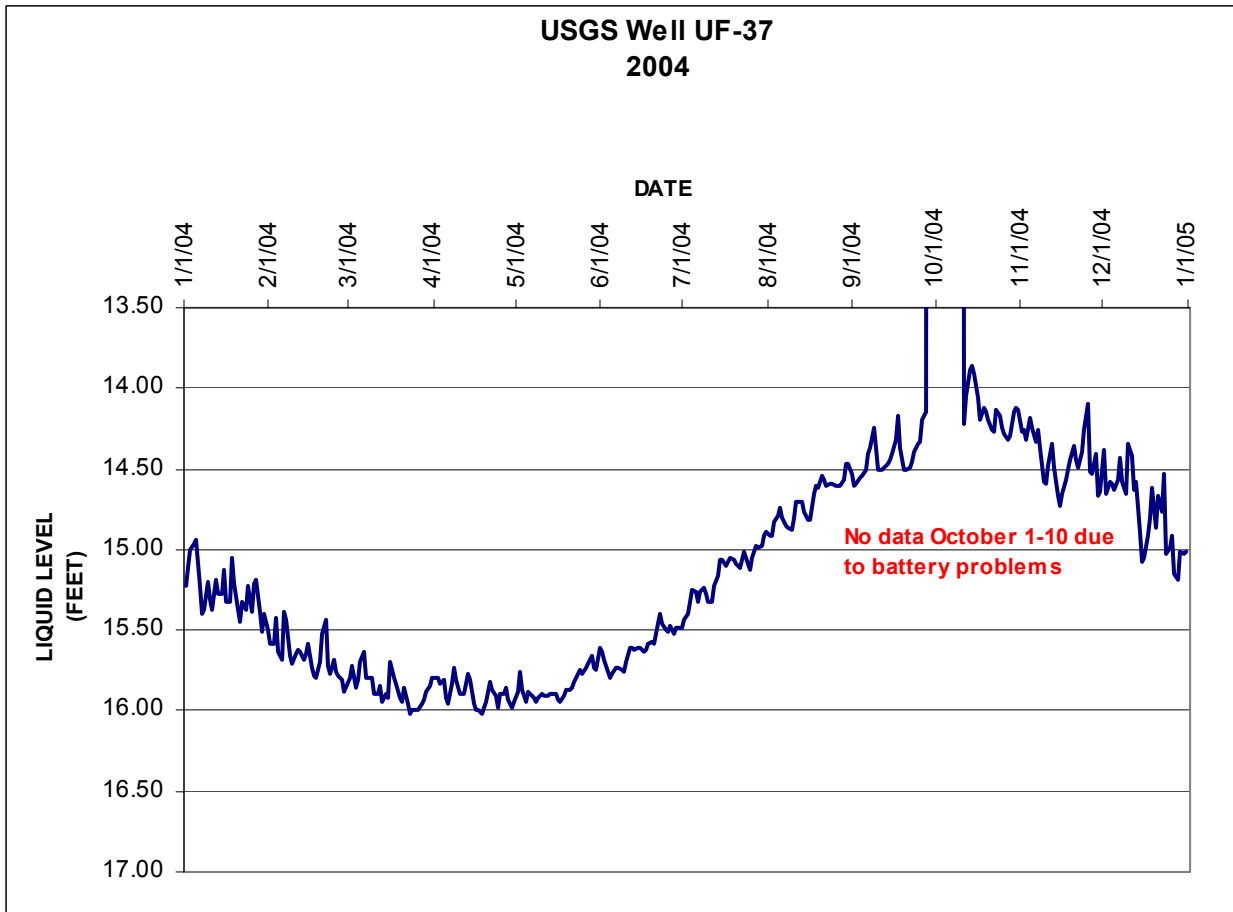
ANNUAL REPORT
Maxey Flats Disposal Site
2004



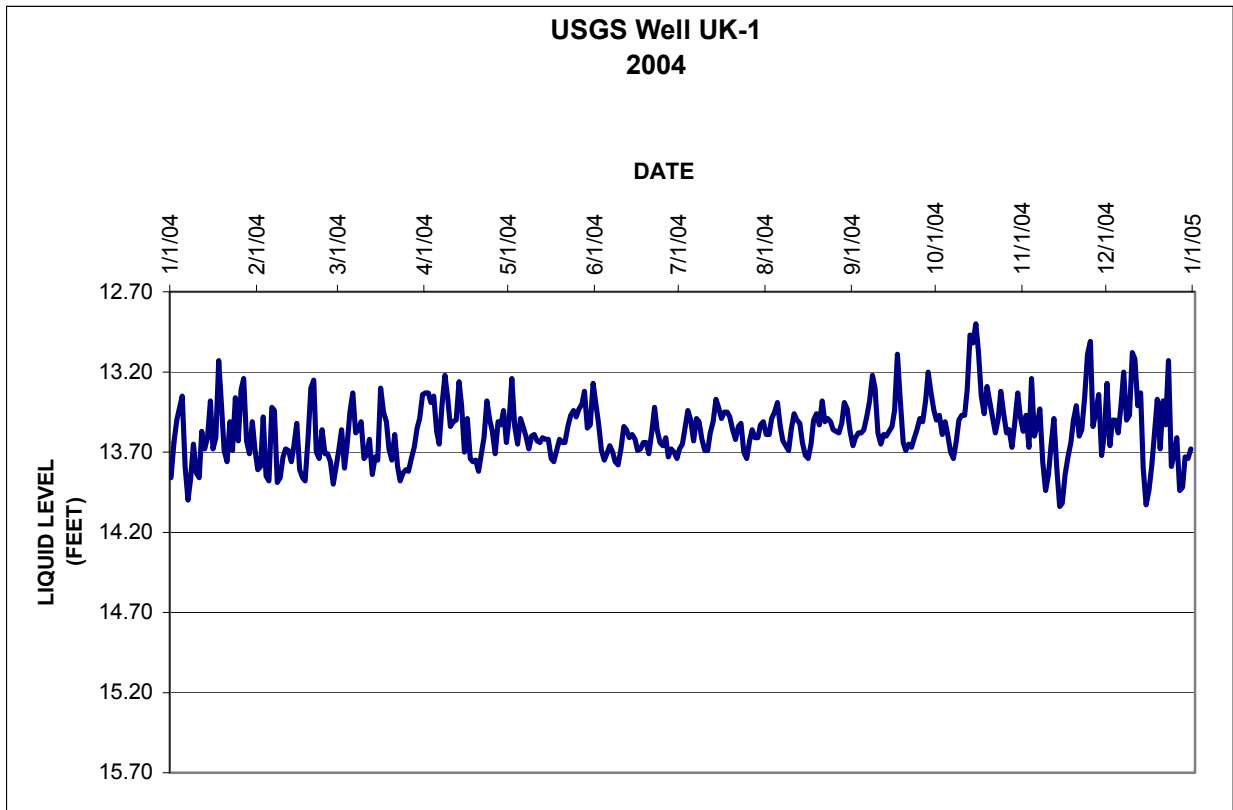
ANNUAL REPORT
Maxey Flats Disposal Site
2004



ANNUAL REPORT
Maxey Flats Disposal Site
2004



ANNUAL REPORT
Maxey Flats Disposal Site
2004



ANNUAL REPORT
Maxey Flats Disposal Site
2004

APPENDIX E4

**USGS MONITORING WELLS
LIQUID LEVEL SUMMARY
2004**

ANNUAL REPORT
Maxey Flats Disposal Site
2004

ESI-1

| JANUARY | | FEBRUARY | | MARCH | | APRIL | | MAY | | JUNE | |
|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|
| DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) |
| 1/1/2004 | 9.71 | 2/1/2004 | 11.77 | 3/1/2004 | 14.93 | 4/1/2004 | 9.45 | 5/1/2004 | 10.89 | 6/1/2004 | 16.38 |
| 1/2/2004 | 9.40 | 2/2/2004 | 11.87 | 3/2/2004 | 14.06 | 4/2/2004 | 9.55 | 5/2/2004 | 11.19 | 6/2/2004 | 16.12 |
| 1/3/2004 | 9.05 | 2/3/2004 | 11.27 | 3/3/2004 | 11.83 | 4/3/2004 | 8.71 | 5/3/2004 | 9.14 | 6/3/2004 | 15.38 |
| 1/4/2004 | 9.25 | 2/4/2004 | 10.23 | 3/4/2004 | 10.66 | 4/4/2004 | 9.24 | 5/4/2004 | 9.39 | 6/4/2004 | 15.25 |
| 1/5/2004 | 9.20 | 2/5/2004 | 9.92 | 3/5/2004 | 10.54 | 4/5/2004 | 9.62 | 5/5/2004 | 9.68 | 6/5/2004 | 15.23 |
| 1/6/2004 | 9.37 | 2/6/2004 | 9.52 | 3/6/2004 | 10.23 | 4/6/2004 | 9.78 | 5/6/2004 | 10.23 | 6/6/2004 | 15.14 |
| 1/7/2004 | 10.15 | 2/7/2004 | 9.77 | 3/7/2004 | 9.94 | 4/7/2004 | 9.91 | 5/7/2004 | 10.75 | 6/7/2004 | 15.28 |
| 1/8/2004 | 10.45 | 2/8/2004 | 9.90 | 3/8/2004 | 10.61 | 4/8/2004 | 10.07 | 5/8/2004 | 11.35 | 6/8/2004 | 15.51 |
| 1/9/2004 | 10.63 | 2/9/2004 | 9.66 | 3/9/2004 | 10.49 | 4/9/2004 | 10.24 | 5/9/2004 | 12.10 | 6/9/2004 | 15.76 |
| 1/10/2004 | 10.74 | 2/10/2004 | 9.65 | 3/10/2004 | 10.45 | 4/10/2004 | 10.65 | 5/10/2004 | 13.31 | 6/10/2004 | 15.98 |
| 1/11/2004 | 10.75 | 2/11/2004 | 10.01 | 3/11/2004 | 10.40 | 4/11/2004 | 10.81 | 5/11/2004 | 13.83 | 6/11/2004 | 16.13 |
| 1/12/2004 | 10.68 | 2/12/2004 | 10.22 | 3/12/2004 | 10.35 | 4/12/2004 | 11.15 | 5/12/2004 | 14.16 | 6/12/2004 | 16.24 |
| 1/13/2004 | 10.13 | 2/13/2004 | 10.41 | 3/13/2004 | 10.34 | 4/13/2004 | 9.38 | 5/13/2004 | 14.48 | 6/13/2004 | 16.32 |
| 1/14/2004 | 10.02 | 2/14/2004 | 10.55 | 3/14/2004 | 10.36 | 4/14/2004 | 8.98 | 5/14/2004 | 14.79 | 6/14/2004 | 15.97 |
| 1/15/2004 | 10.52 | 2/15/2004 | 10.79 | 3/15/2004 | 10.43 | 4/15/2004 | 9.19 | 5/15/2004 | 15.06 | 6/15/2004 | 15.99 |
| 1/16/2004 | 10.65 | 2/16/2004 | 10.96 | 3/16/2004 | 10.51 | 4/16/2004 | 9.47 | 5/16/2004 | 15.31 | 6/16/2004 | 15.02 |
| 1/17/2004 | 10.80 | 2/17/2004 | 11.06 | 3/17/2004 | 10.62 | 4/17/2004 | 9.74 | 5/17/2004 | 15.52 | 6/17/2004 | 14.04 |
| 1/18/2004 | 10.05 | 2/18/2004 | 11.21 | 3/18/2004 | 10.73 | 4/18/2004 | 9.93 | 5/18/2004 | 15.70 | 6/18/2004 | 14.25 |
| 1/19/2004 | 9.67 | 2/19/2004 | 11.70 | 3/19/2004 | 10.64 | 4/19/2004 | 10.26 | 5/19/2004 | 15.87 | 6/19/2004 | 14.61 |
| 1/20/2004 | 10.11 | 2/20/2004 | 11.70 | 3/20/2004 | 10.40 | 4/20/2004 | 10.67 | 5/20/2004 | 16.00 | 6/20/2004 | 15.00 |
| 1/21/2004 | 10.37 | 2/21/2004 | 11.88 | 3/21/2004 | 9.97 | 4/21/2004 | 10.98 | 5/21/2004 | 16.10 | 6/21/2004 | 15.35 |
| 1/22/2004 | 10.67 | 2/22/2004 | 12.28 | 3/22/2004 | 10.10 | 4/22/2004 | 11.40 | 5/22/2004 | 16.18 | 6/22/2004 | 15.63 |
| 1/23/2004 | 10.95 | 2/23/2004 | 12.83 | 3/23/2004 | 10.08 | 4/23/2004 | 9.57 | 5/23/2004 | 16.25 | 6/23/2004 | 15.89 |
| 1/24/2004 | 11.17 | 2/24/2004 | 13.34 | 3/24/2004 | 10.08 | 4/24/2004 | 9.14 | 5/24/2004 | 16.30 | 6/24/2004 | 16.09 |
| 1/25/2004 | 11.53 | 2/25/2004 | 13.64 | 3/25/2004 | 10.13 | 4/25/2004 | 9.50 | 5/25/2004 | 16.34 | 6/25/2004 | 16.24 |
| 1/26/2004 | 12.05 | 2/26/2004 | 13.83 | 3/26/2004 | 10.25 | 4/26/2004 | 9.01 | 5/26/2004 | 16.38 | 6/26/2004 | 16.35 |
| 1/27/2004 | 10.88 | 2/27/2004 | 14.08 | 3/27/2004 | 10.42 | 4/27/2004 | 9.14 | 5/27/2004 | 16.41 | 6/27/2004 | 16.45 |
| 1/28/2004 | 10.54 | 2/28/2004 | 14.37 | 3/28/2004 | 10.72 | 4/28/2004 | 9.72 | 5/28/2004 | 16.43 | 6/28/2004 | 16.54 |
| 1/29/2004 | 10.79 | | | 3/29/2004 | 11.10 | 4/29/2004 | 10.08 | 5/29/2004 | 16.46 | 6/29/2004 | 16.60 |
| 1/30/2004 | 11.43 | | | 3/30/2004 | 9.71 | 4/30/2004 | 10.72 | 5/30/2004 | 16.49 | 6/30/2004 | 16.66 |
| 1/31/2004 | 11.62 | | | 3/31/2004 | 9.25 | | | 5/31/2004 | 16.51 | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

ESI-1 (Continued)

| JULY | | AUGUST | | SEPTEMBER | | OCTOBER | | NOVEMBER | | DECEMBER | |
|-----------|--------------------|-----------|--------------------|-----------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|
| DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) |
| 7/1/2004 | 16.71 | 8/1/2004 | 16.92 | 9/1/2004 | 16.89 | 10/1/2004 | 15.39 | 11/1/2004 | 12.04 | 12/1/2004 | 10.01 |
| 7/2/2004 | 16.74 | 8/2/2004 | 16.92 | 9/2/2004 | 16.90 | 10/2/2004 | 15.53 | 11/2/2004 | 11.71 | 12/2/2004 | 10.25 |
| 7/3/2004 | 16.77 | 8/3/2004 | 16.91 | 9/3/2004 | 16.91 | 10/3/2004 | 15.67 | 11/3/2004 | 10.85 | 12/3/2004 | 10.78 |
| 7/4/2004 | 16.78 | 8/4/2004 | 16.90 | 9/4/2004 | 16.92 | 10/4/2004 | 15.81 | 11/4/2004 | 10.45 | 12/4/2004 | 11.11 |
| 7/5/2004 | 16.79 | 8/5/2004 | 16.88 | 9/5/2004 | 16.92 | 10/5/2004 | 15.93 | 11/5/2004 | 10.67 | 12/5/2004 | 11.42 |
| 7/6/2004 | 16.81 | 8/6/2004 | 16.88 | 9/6/2004 | 16.92 | 10/6/2004 | 16.05 | 11/6/2004 | 10.98 | 12/6/2004 | 11.11 |
| 7/7/2004 | 16.82 | 8/7/2004 | 16.89 | 9/7/2004 | 16.90 | 10/7/2004 | 16.15 | 11/7/2004 | 11.29 | 12/7/2004 | 9.66 |
| 7/8/2004 | 16.83 | 8/8/2004 | 16.90 | 9/8/2004 | 16.88 | 10/8/2004 | 16.23 | 11/8/2004 | 11.63 | 12/8/2004 | 10.30 |
| 7/9/2004 | 16.84 | 8/9/2004 | 16.92 | 9/9/2004 | 16.58 | 10/9/2004 | 16.30 | 11/9/2004 | 11.65 | 12/9/2004 | 10.59 |
| 7/10/2004 | 16.86 | 8/10/2004 | 16.92 | 9/10/2004 | 15.79 | 10/10/2004 | 16.35 | 11/10/2004 | 11.80 | 12/10/2004 | 10.18 |
| 7/11/2004 | 16.88 | 8/11/2004 | 16.91 | 9/11/2004 | 15.52 | 10/11/2004 | 16.40 | 11/11/2004 | 12.02 | 12/11/2004 | 10.28 |
| 7/12/2004 | 16.89 | 8/12/2004 | 16.91 | 9/12/2004 | 15.53 | 10/12/2004 | 16.44 | 11/12/2004 | 10.84 | 12/12/2004 | 10.22 |
| 7/13/2004 | 16.89 | 8/13/2004 | 16.90 | 9/13/2004 | 14.84 | 10/13/2004 | 16.45 | 11/13/2004 | 10.58 | 12/13/2004 | 10.62 |
| 7/14/2004 | 16.88 | 8/14/2004 | 16.91 | 9/14/2004 | 14.62 | 10/14/2004 | 16.46 | 11/14/2004 | 10.96 | 12/14/2004 | 11.12 |
| 7/15/2004 | 16.88 | 8/15/2004 | 16.93 | 9/15/2004 | 14.74 | 10/15/2004 | 16.45 | 11/15/2004 | 11.19 | 12/15/2004 | 11.25 |
| 7/16/2004 | 16.87 | 8/16/2004 | 16.94 | 9/16/2004 | 14.91 | 10/16/2004 | 16.46 | 11/16/2004 | 11.40 | 12/16/2004 | 11.28 |
| 7/17/2004 | 16.87 | 8/17/2004 | 16.94 | 9/17/2004 | 14.61 | 10/17/2004 | 16.48 | 11/17/2004 | 11.59 | 12/17/2004 | 11.43 |
| 7/18/2004 | 16.86 | 8/18/2004 | 16.94 | 9/18/2004 | 10.82 | 10/18/2004 | 16.50 | 11/18/2004 | 11.69 | 12/18/2004 | 11.50 |
| 7/19/2004 | 16.86 | 8/19/2004 | 16.93 | 9/19/2004 | 11.64 | 10/19/2004 | 16.51 | 11/19/2004 | 11.49 | 12/19/2004 | 11.67 |
| 7/20/2004 | 16.86 | 8/20/2004 | 16.92 | 9/20/2004 | 12.03 | 10/20/2004 | 15.55 | 11/20/2004 | 9.69 | 12/20/2004 | 11.89 |
| 7/21/2004 | 16.88 | 8/21/2004 | 16.90 | 9/21/2004 | 12.38 | 10/21/2004 | 14.84 | 11/21/2004 | 10.15 | 12/21/2004 | 12.00 |
| 7/22/2004 | 16.88 | 8/22/2004 | 16.90 | 9/22/2004 | 13.21 | 10/22/2004 | 14.38 | 11/22/2004 | 10.45 | 12/22/2004 | 12.18 |
| 7/23/2004 | 16.88 | 8/23/2004 | 16.89 | 9/23/2004 | 13.73 | 10/23/2004 | 14.12 | 11/23/2004 | 10.59 | 12/23/2004 | 11.07 |
| 7/24/2004 | 16.90 | 8/24/2004 | 16.88 | 9/24/2004 | 14.02 | 10/24/2004 | 12.52 | 11/24/2004 | 10.67 | 12/24/2004 | 10.68 |
| 7/25/2004 | 16.91 | 8/25/2004 | 16.88 | 9/25/2004 | 14.27 | 10/25/2004 | 11.78 | 11/25/2004 | 9.88 | 12/25/2004 | 10.99 |
| 7/26/2004 | 16.91 | 8/26/2004 | 16.88 | 9/26/2004 | 14.51 | 10/26/2004 | 12.14 | 11/26/2004 | 10.44 | 12/26/2004 | 11.36 |
| 7/27/2004 | 16.92 | 8/27/2004 | 16.89 | 9/27/2004 | 14.72 | 10/27/2004 | 12.20 | 11/27/2004 | 10.86 | 12/27/2004 | 11.65 |
| 7/28/2004 | 16.92 | 8/28/2004 | 16.89 | 9/28/2004 | 14.90 | 10/28/2004 | 11.58 | 11/28/2004 | 10.55 | 12/28/2004 | 11.68 |
| 7/29/2004 | 16.92 | 8/29/2004 | 16.87 | 9/29/2004 | 15.07 | 10/29/2004 | 11.58 | 11/29/2004 | 10.72 | 12/29/2004 | 11.98 |
| 7/30/2004 | 16.92 | 8/30/2004 | 16.87 | 9/30/2004 | 15.24 | 10/30/2004 | 11.72 | 11/30/2004 | 10.99 | 12/30/2004 | 11.78 |
| 7/31/2004 | 16.92 | 8/31/2004 | 16.87 | | | 10/31/2004 | 11.93 | | | 12/31/2004 | 11.04 |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

ESI-2

| JANUARY | | FEBRUARY | | MARCH | | APRIL | | MAY | | JUNE | |
|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|
| DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) |
| 1/1/2004 | 15.15 | 2/1/2004 | 15.09 | 3/1/2004 | 14.94 | 4/1/2004 | 14.61 | 5/1/2004 | 14.76 | 6/1/2004 | 14.69 |
| 1/2/2004 | 14.91 | 2/2/2004 | 15.04 | 3/2/2004 | 14.86 | 4/2/2004 | 14.60 | 5/2/2004 | 14.52 | 6/2/2004 | 14.80 |
| 1/3/2004 | 14.75 | 2/3/2004 | 14.74 | 3/3/2004 | 15.11 | 4/3/2004 | 14.66 | 5/3/2004 | 14.83 | 6/3/2004 | 14.99 |
| 1/4/2004 | 14.68 | 2/4/2004 | 15.20 | 3/4/2004 | 14.92 | 4/4/2004 | 14.70 | 5/4/2004 | 14.94 | 6/4/2004 | 15.00 |
| 1/5/2004 | 14.69 | 2/5/2004 | 15.15 | 3/5/2004 | 14.70 | 4/5/2004 | 14.90 | 5/5/2004 | 14.76 | 6/5/2004 | 14.97 |
| 1/6/2004 | 15.11 | 2/6/2004 | 14.69 | 3/6/2004 | 14.62 | 4/6/2004 | 14.92 | 5/6/2004 | 14.84 | 6/6/2004 | 14.93 |
| 1/7/2004 | 15.28 | 2/7/2004 | 14.79 | 3/7/2004 | 14.85 | 4/7/2004 | 14.66 | 5/7/2004 | 14.90 | 6/7/2004 | 14.98 |
| 1/8/2004 | 15.13 | 2/8/2004 | 15.25 | 3/8/2004 | 14.88 | 4/8/2004 | 14.47 | 5/8/2004 | 14.96 | 6/8/2004 | 15.05 |
| 1/9/2004 | 14.91 | 2/9/2004 | 15.12 | 3/9/2004 | 14.76 | 4/9/2004 | 14.75 | 5/9/2004 | 14.89 | 6/9/2004 | 15.04 |
| 1/10/2004 | 15.13 | 2/10/2004 | 14.99 | 3/10/2004 | 15.08 | 4/10/2004 | 14.84 | 5/10/2004 | 14.89 | 6/10/2004 | 14.93 |
| 1/11/2004 | 15.11 | 2/11/2004 | 14.99 | 3/11/2004 | 14.96 | 4/11/2004 | 14.79 | 5/11/2004 | 14.92 | 6/11/2004 | 14.78 |
| 1/12/2004 | 14.86 | 2/12/2004 | 14.96 | 3/12/2004 | 14.96 | 4/12/2004 | 14.74 | 5/12/2004 | 14.93 | 6/12/2004 | 14.86 |
| 1/13/2004 | 14.94 | 2/13/2004 | 15.07 | 3/13/2004 | 15.17 | 4/13/2004 | 14.53 | 5/13/2004 | 14.91 | 6/13/2004 | 14.90 |
| 1/14/2004 | 14.86 | 2/14/2004 | 14.92 | 3/14/2004 | 14.99 | 4/14/2004 | 14.73 | 5/14/2004 | 14.89 | 6/14/2004 | 14.89 |
| 1/15/2004 | 14.75 | 2/15/2004 | 14.83 | 3/15/2004 | 15.06 | 4/15/2004 | 15.01 | 5/15/2004 | 14.91 | 6/15/2004 | 14.90 |
| 1/16/2004 | 14.97 | 2/16/2004 | 15.16 | 3/16/2004 | 14.59 | 4/16/2004 | 15.05 | 5/16/2004 | 15.02 | 6/16/2004 | 14.95 |
| 1/17/2004 | 14.85 | 2/17/2004 | 15.14 | 3/17/2004 | 14.78 | 4/17/2004 | 15.03 | 5/17/2004 | 15.05 | 6/17/2004 | 14.96 |
| 1/18/2004 | 14.41 | 2/18/2004 | 15.17 | 3/18/2004 | 14.80 | 4/18/2004 | 15.08 | 5/18/2004 | 14.96 | 6/18/2004 | 14.91 |
| 1/19/2004 | 14.77 | 2/19/2004 | 14.89 | 3/19/2004 | 15.06 | 4/19/2004 | 14.99 | 5/19/2004 | 14.90 | 6/19/2004 | 14.90 |
| 1/20/2004 | 15.01 | 2/20/2004 | 14.59 | 3/20/2004 | 15.00 | 4/20/2004 | 14.87 | 5/20/2004 | 14.91 | 6/20/2004 | 14.99 |
| 1/21/2004 | 15.00 | 2/21/2004 | 14.62 | 3/21/2004 | 14.95 | 4/21/2004 | 14.64 | 5/21/2004 | 14.90 | 6/21/2004 | 14.83 |
| 1/22/2004 | 14.77 | 2/22/2004 | 15.04 | 3/22/2004 | 15.10 | 4/22/2004 | 14.76 | 5/22/2004 | 14.81 | 6/22/2004 | 14.70 |
| 1/23/2004 | 15.01 | 2/23/2004 | 15.02 | 3/23/2004 | 15.18 | 4/23/2004 | 14.83 | 5/23/2004 | 14.74 | 6/23/2004 | 14.87 |
| 1/24/2004 | 14.63 | 2/24/2004 | 14.83 | 3/24/2004 | 15.11 | 4/24/2004 | 14.98 | 5/24/2004 | 14.72 | 6/24/2004 | 14.91 |
| 1/25/2004 | 14.89 | 2/25/2004 | 15.04 | 3/25/2004 | 15.14 | 4/25/2004 | 14.75 | 5/25/2004 | 14.75 | 6/25/2004 | 14.90 |
| 1/26/2004 | 14.60 | 2/26/2004 | 14.98 | 3/26/2004 | 15.10 | 4/26/2004 | 14.80 | 5/26/2004 | 14.69 | 6/26/2004 | 14.91 |
| 1/27/2004 | 14.52 | 2/27/2004 | 15.08 | 3/27/2004 | 15.02 | 4/27/2004 | 14.70 | 5/27/2004 | 14.65 | 6/27/2004 | 15.02 |
| 1/28/2004 | 14.99 | 2/28/2004 | 15.20 | 3/28/2004 | 14.94 | 4/28/2004 | 14.92 | 5/28/2004 | 14.63 | 6/28/2004 | 14.94 |
| 1/29/2004 | 14.97 | | | 3/29/2004 | 14.83 | 4/29/2004 | 14.98 | 5/29/2004 | 14.85 | 6/29/2004 | 14.99 |
| 1/30/2004 | 14.82 | | | 3/30/2004 | 14.75 | 4/30/2004 | 14.88 | 5/30/2004 | 14.78 | 6/30/2004 | 15.00 |
| 1/31/2004 | 15.00 | | | 3/31/2004 | 14.61 | | | 5/31/2004 | 14.55 | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

ESI-2 (Continued)

| JULY | | AUGUST | | SEPTEMBER | | OCTOBER | | NOVEMBER | | DECEMBER | |
|-----------|--------------------|-----------|--------------------|-----------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|
| DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) |
| 7/1/2004 | 14.94 | 8/1/2004 | 14.87 | 9/1/2004 | 14.91 | 10/1/2004 | 14.73 | 11/1/2004 | 14.79 | 12/1/2004 | 14.64 |
| 7/2/2004 | 14.90 | 8/2/2004 | 14.84 | 9/2/2004 | 14.84 | 10/2/2004 | 14.72 | 11/2/2004 | 14.69 | 12/2/2004 | 14.88 |
| 7/3/2004 | 14.79 | 8/3/2004 | 14.74 | 9/3/2004 | 14.82 | 10/3/2004 | 14.85 | 11/3/2004 | 14.88 | 12/3/2004 | 14.76 |
| 7/4/2004 | 14.69 | 8/4/2004 | 14.68 | 9/4/2004 | 14.83 | 10/4/2004 | 14.74 | 11/4/2004 | 14.53 | 12/4/2004 | 14.73 |
| 7/5/2004 | 14.80 | 8/5/2004 | 14.66 | 9/5/2004 | 14.80 | 10/5/2004 | 14.89 | 11/5/2004 | 14.81 | 12/5/2004 | 14.86 |
| 7/6/2004 | 14.89 | 8/6/2004 | 14.85 | 9/6/2004 | 14.72 | 10/6/2004 | 14.95 | 11/6/2004 | 14.76 | 12/6/2004 | 14.65 |
| 7/7/2004 | 14.74 | 8/7/2004 | 14.89 | 9/7/2004 | 14.61 | 10/7/2004 | 14.98 | 11/7/2004 | 14.66 | 12/7/2004 | 14.48 |
| 7/8/2004 | 14.81 | 8/8/2004 | 14.92 | 9/8/2004 | 14.49 | 10/8/2004 | 14.86 | 11/8/2004 | 14.95 | 12/8/2004 | 14.82 |
| 7/9/2004 | 14.90 | 8/9/2004 | 14.93 | 9/9/2004 | 14.65 | 10/9/2004 | 14.73 | 11/9/2004 | 15.16 | 12/9/2004 | 14.71 |
| 7/10/2004 | 14.95 | 8/10/2004 | 14.80 | 9/10/2004 | 14.88 | 10/10/2004 | 14.72 | 11/10/2004 | 15.07 | 12/10/2004 | 14.33 |
| 7/11/2004 | 14.95 | 8/11/2004 | 14.73 | 9/11/2004 | 14.88 | 10/11/2004 | 14.70 | 11/11/2004 | 14.90 | 12/11/2004 | 14.41 |
| 7/12/2004 | 14.83 | 8/12/2004 | 14.76 | 9/12/2004 | 14.84 | 10/12/2004 | 14.56 | 11/12/2004 | 14.74 | 12/12/2004 | 14.69 |
| 7/13/2004 | 14.76 | 8/13/2004 | 14.80 | 9/13/2004 | 14.85 | 10/13/2004 | 14.23 | 11/13/2004 | 15.05 | 12/13/2004 | 14.62 |
| 7/14/2004 | 14.62 | 8/14/2004 | 14.92 | 9/14/2004 | 14.82 | 10/14/2004 | 14.27 | 11/14/2004 | 15.28 | 12/14/2004 | 15.10 |
| 7/15/2004 | 14.69 | 8/15/2004 | 14.99 | 9/15/2004 | 14.79 | 10/15/2004 | 14.14 | 11/15/2004 | 15.24 | 12/15/2004 | 15.31 |
| 7/16/2004 | 14.75 | 8/16/2004 | 14.99 | 9/16/2004 | 14.69 | 10/16/2004 | 14.34 | 11/16/2004 | 15.08 | 12/16/2004 | 15.17 |
| 7/17/2004 | 14.70 | 8/17/2004 | 14.89 | 9/17/2004 | 14.37 | 10/17/2004 | 14.68 | 11/17/2004 | 14.95 | 12/17/2004 | 15.04 |
| 7/18/2004 | 14.70 | 8/18/2004 | 14.74 | 9/18/2004 | 14.68 | 10/18/2004 | 14.68 | 11/18/2004 | 14.87 | 12/18/2004 | 14.84 |
| 7/19/2004 | 14.75 | 8/19/2004 | 14.75 | 9/19/2004 | 14.92 | 10/19/2004 | 14.52 | 11/19/2004 | 14.74 | 12/19/2004 | 14.61 |
| 7/20/2004 | 14.83 | 8/20/2004 | 14.77 | 9/20/2004 | 14.94 | 10/20/2004 | 14.64 | 11/20/2004 | 14.66 | 12/20/2004 | 14.97 |
| 7/21/2004 | 14.87 | 8/21/2004 | 14.65 | 9/21/2004 | 14.91 | 10/21/2004 | 14.75 | 11/21/2004 | 14.86 | 12/21/2004 | 14.64 |
| 7/22/2004 | 14.81 | 8/22/2004 | 14.79 | 9/22/2004 | 14.91 | 10/22/2004 | 14.82 | 11/22/2004 | 14.78 | 12/22/2004 | 14.79 |
| 7/23/2004 | 14.80 | 8/23/2004 | 14.74 | 9/23/2004 | 14.85 | 10/23/2004 | 14.72 | 11/23/2004 | 14.59 | 12/23/2004 | 14.44 |
| 7/24/2004 | 15.00 | 8/24/2004 | 14.78 | 9/24/2004 | 14.79 | 10/24/2004 | 14.58 | 11/24/2004 | 14.38 | 12/24/2004 | 15.07 |
| 7/25/2004 | 14.99 | 8/25/2004 | 14.82 | 9/25/2004 | 14.73 | 10/25/2004 | 14.75 | 11/25/2004 | 14.35 | 12/25/2004 | 14.94 |
| 7/26/2004 | 14.87 | 8/26/2004 | 14.82 | 9/26/2004 | 14.76 | 10/26/2004 | 14.85 | 11/26/2004 | 14.78 | 12/26/2004 | 14.84 |
| 7/27/2004 | 14.82 | 8/27/2004 | 14.85 | 9/27/2004 | 14.62 | 10/27/2004 | 14.78 | 11/27/2004 | 14.69 | 12/27/2004 | 15.24 |
| 7/28/2004 | 14.88 | 8/28/2004 | 14.75 | 9/28/2004 | 14.45 | 10/28/2004 | 14.89 | 11/28/2004 | 14.65 | 12/28/2004 | 15.16 |
| 7/29/2004 | 14.85 | 8/29/2004 | 14.63 | 9/29/2004 | 14.63 | 10/29/2004 | 14.74 | 11/29/2004 | 14.97 | 12/29/2004 | 14.96 |
| 7/30/2004 | 14.79 | 8/30/2004 | 14.70 | 9/30/2004 | 14.71 | 10/30/2004 | 14.57 | 11/30/2004 | 14.84 | 12/30/2004 | 14.99 |
| 7/31/2004 | 14.78 | 8/31/2004 | 14.86 | | | 10/31/2004 | 14.69 | | | 12/31/2004 | 14.91 |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

ESI-4

| JANUARY | | FEBRUARY | | MARCH | | APRIL | | MAY | | JUNE | |
|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|
| DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) |
| 1/1/2004 | 14.72 | 2/1/2004 | 14.69 | 3/1/2004 | 14.55 | 4/1/2004 | 14.18 | 5/1/2004 | 14.35 | 6/1/2004 | 14.25 |
| 1/2/2004 | 14.50 | 2/2/2004 | 14.65 | 3/2/2004 | 14.44 | 4/2/2004 | 14.18 | 5/2/2004 | 14.11 | 6/2/2004 | 14.37 |
| 1/3/2004 | 14.34 | 2/3/2004 | 14.35 | 3/3/2004 | 14.69 | 4/3/2004 | 14.24 | 5/3/2004 | 14.40 | 6/3/2004 | 14.56 |
| 1/4/2004 | 14.26 | 2/4/2004 | 14.76 | 3/4/2004 | 14.53 | 4/4/2004 | 14.25 | 5/4/2004 | 14.51 | 6/4/2004 | 14.60 |
| 1/5/2004 | 14.23 | 2/5/2004 | 14.76 | 3/5/2004 | 14.30 | 4/5/2004 | 14.47 | 5/5/2004 | 14.35 | 6/5/2004 | 14.56 |
| 1/6/2004 | 14.66 | 2/6/2004 | 14.30 | 3/6/2004 | 14.19 | 4/6/2004 | 14.51 | 5/6/2004 | 14.41 | 6/6/2004 | 14.51 |
| 1/7/2004 | 14.87 | 2/7/2004 | 14.33 | 3/7/2004 | 14.44 | 4/7/2004 | 14.26 | 5/7/2004 | 14.48 | 6/7/2004 | 14.56 |
| 1/8/2004 | 14.74 | 2/8/2004 | 14.79 | 3/8/2004 | 14.45 | 4/8/2004 | 14.06 | 5/8/2004 | 14.54 | 6/8/2004 | 14.63 |
| 1/9/2004 | 14.50 | 2/9/2004 | 14.73 | 3/9/2004 | 14.38 | 4/9/2004 | 14.29 | 5/9/2004 | 14.47 | 6/9/2004 | 14.63 |
| 1/10/2004 | 14.70 | 2/10/2004 | 14.59 | 3/10/2004 | 14.64 | 4/10/2004 | 14.41 | 5/10/2004 | 14.46 | 6/10/2004 | 14.53 |
| 1/11/2004 | 14.71 | 2/11/2004 | 14.56 | 3/11/2004 | 14.58 | 4/11/2004 | 14.37 | 5/11/2004 | 14.50 | 6/11/2004 | 14.38 |
| 1/12/2004 | 14.45 | 2/12/2004 | 14.55 | 3/12/2004 | 14.52 | 4/12/2004 | 14.35 | 5/12/2004 | 14.51 | 6/12/2004 | 14.42 |
| 1/13/2004 | 14.53 | 2/13/2004 | 14.65 | 3/13/2004 | 14.75 | 4/13/2004 | 14.13 | 5/13/2004 | 14.48 | 6/13/2004 | 14.47 |
| 1/14/2004 | 14.49 | 2/14/2004 | 14.52 | 3/14/2004 | 14.61 | 4/14/2004 | 14.29 | 5/14/2004 | 14.47 | 6/14/2004 | 14.45 |
| 1/15/2004 | 14.29 | 2/15/2004 | 14.40 | 3/15/2004 | 14.64 | 4/15/2004 | 14.58 | 5/15/2004 | 14.48 | 6/15/2004 | 14.48 |
| 1/16/2004 | 14.55 | 2/16/2004 | 14.72 | 3/16/2004 | 14.24 | 4/16/2004 | 14.62 | 5/16/2004 | 14.60 | 6/16/2004 | 14.54 |
| 1/17/2004 | 14.47 | 2/17/2004 | 14.73 | 3/17/2004 | 14.35 | 4/17/2004 | 14.61 | 5/17/2004 | 14.62 | 6/17/2004 | 14.54 |
| 1/18/2004 | 14.04 | 2/18/2004 | 14.75 | 3/18/2004 | 14.38 | 4/18/2004 | 14.68 | 5/18/2004 | 14.55 | 6/18/2004 | 14.49 |
| 1/19/2004 | 14.31 | 2/19/2004 | 14.49 | 3/19/2004 | 14.60 | 4/19/2004 | 14.58 | 5/19/2004 | 14.48 | 6/19/2004 | 14.49 |
| 1/20/2004 | 14.57 | 2/20/2004 | 14.18 | 3/20/2004 | 14.62 | 4/20/2004 | 14.47 | 5/20/2004 | 14.49 | 6/20/2004 | 14.56 |
| 1/21/2004 | 14.39 | 2/21/2004 | 14.15 | 3/21/2004 | 14.51 | 4/21/2004 | 14.23 | 5/21/2004 | 14.48 | 6/21/2004 | 14.43 |
| 1/22/2004 | 14.53 | 2/22/2004 | 14.58 | 3/22/2004 | 14.68 | 4/22/2004 | 14.34 | 5/22/2004 | 14.40 | 6/22/2004 | 14.28 |
| 1/23/2004 | 14.26 | 2/23/2004 | 14.60 | 3/23/2004 | 14.76 | 4/23/2004 | 14.40 | 5/23/2004 | 14.32 | 6/23/2004 | 14.43 |
| 1/24/2004 | 14.50 | 2/24/2004 | 14.42 | 3/24/2004 | 14.70 | 4/24/2004 | 14.56 | 5/24/2004 | 14.29 | 6/24/2004 | 14.49 |
| 1/25/2004 | 14.20 | 2/25/2004 | 14.60 | 3/25/2004 | 14.70 | 4/25/2004 | 14.35 | 5/25/2004 | 14.33 | 6/25/2004 | 14.50 |
| 1/26/2004 | 14.19 | 2/26/2004 | 14.58 | 3/26/2004 | 14.69 | 4/26/2004 | 14.37 | 5/26/2004 | 14.28 | 6/26/2004 | 14.48 |
| 1/27/2004 | 14.11 | 2/27/2004 | 14.65 | 3/27/2004 | 14.61 | 4/27/2004 | 14.29 | 5/27/2004 | 14.25 | 6/27/2004 | 14.59 |
| 1/28/2004 | 14.54 | 2/28/2004 | 14.79 | 3/28/2004 | 14.53 | 4/28/2004 | 14.48 | 5/28/2004 | 14.18 | 6/28/2004 | 14.54 |
| 1/29/2004 | 14.57 | | | 3/29/2004 | 14.41 | 4/29/2004 | 14.56 | 5/29/2004 | 14.41 | 6/29/2004 | 14.56 |
| 1/30/2004 | 14.40 | | | 3/30/2004 | 14.34 | 4/30/2004 | 14.48 | 5/30/2004 | 14.39 | 6/30/2004 | 14.59 |
| 1/31/2004 | 14.58 | | | 3/31/2004 | 14.19 | | | 5/31/2004 | 14.15 | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

ESI-4 (Continued)

| JULY | | AUGUST | | SEPTEMBER | | OCTOBER | | NOVEMBER | | DECEMBER | |
|-----------|--------------------|-----------|--------------------|-----------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|
| DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) |
| 7/1/2004 | 14.53 | 8/1/2004 | 14.43 | 9/1/2004 | 14.50 | 10/1/2004 | 14.32 | 11/1/2004 | 14.38 | 12/1/2004 | 14.22 |
| 7/2/2004 | 14.49 | 8/2/2004 | 14.43 | 9/2/2004 | 14.45 | 10/2/2004 | 14.31 | 11/2/2004 | 14.30 | 12/2/2004 | 14.48 |
| 7/3/2004 | 14.39 | 8/3/2004 | 14.33 | 9/3/2004 | 14.42 | 10/3/2004 | 14.45 | 11/3/2004 | 14.44 | 12/3/2004 | 14.35 |
| 7/4/2004 | 14.28 | 8/4/2004 | 14.28 | 9/4/2004 | 14.41 | 10/4/2004 | 14.34 | 11/4/2004 | 14.20 | 12/4/2004 | 14.33 |
| 7/5/2004 | 14.35 | 8/5/2004 | 14.23 | 9/5/2004 | 14.39 | 10/5/2004 | 14.47 | 11/5/2004 | 14.35 | 12/5/2004 | 14.43 |
| 7/6/2004 | 14.47 | 8/6/2004 | 14.40 | 9/6/2004 | 14.32 | 10/6/2004 | 14.55 | 11/6/2004 | 14.37 | 12/6/2004 | 14.29 |
| 7/7/2004 | 14.35 | 8/7/2004 | 14.47 | 9/7/2004 | 14.21 | 10/7/2004 | 14.58 | 11/7/2004 | 14.26 | 12/7/2004 | 14.11 |
| 7/8/2004 | 14.37 | 8/8/2004 | 14.50 | 9/8/2004 | 14.09 | 10/8/2004 | 14.47 | 11/8/2004 | 14.51 | 12/8/2004 | 14.37 |
| 7/9/2004 | 14.48 | 8/9/2004 | 14.52 | 9/9/2004 | 14.17 | 10/9/2004 | 14.33 | 11/9/2004 | 14.76 | 12/9/2004 | 14.34 |
| 7/10/2004 | 14.54 | 8/10/2004 | 14.40 | 9/10/2004 | 14.46 | 10/10/2004 | 14.31 | 11/10/2004 | 14.70 | 12/10/2004 | 13.97 |
| 7/11/2004 | 14.54 | 8/11/2004 | 14.31 | 9/11/2004 | 14.48 | 10/11/2004 | 14.30 | 11/11/2004 | 14.52 | 12/11/2004 | 13.95 |
| 7/12/2004 | 14.43 | 8/12/2004 | 14.33 | 9/12/2004 | 14.43 | 10/12/2004 | 14.16 | 11/12/2004 | 14.35 | 12/12/2004 | 14.24 |
| 7/13/2004 | 14.35 | 8/13/2004 | 14.36 | 9/13/2004 | 14.43 | 10/13/2004 | 13.84 | 11/13/2004 | 14.62 | 12/13/2004 | 14.18 |
| 7/14/2004 | 14.22 | 8/14/2004 | 14.49 | 9/14/2004 | 14.41 | 10/14/2004 | 13.84 | 11/14/2004 | 14.88 | 12/14/2004 | 14.66 |
| 7/15/2004 | 14.26 | 8/15/2004 | 14.56 | 9/15/2004 | 14.38 | 10/15/2004 | 13.75 | 11/15/2004 | 14.86 | 12/15/2004 | 14.90 |
| 7/16/2004 | 14.33 | 8/16/2004 | 14.58 | 9/16/2004 | 14.29 | 10/16/2004 | 13.91 | 11/16/2004 | 14.70 | 12/16/2004 | 14.77 |
| 7/17/2004 | 14.30 | 8/17/2004 | 14.49 | 9/17/2004 | 14.00 | 10/17/2004 | 14.24 | 11/17/2004 | 14.56 | 12/17/2004 | 14.62 |
| 7/18/2004 | 14.29 | 8/18/2004 | 14.34 | 9/18/2004 | 14.25 | 10/18/2004 | 14.30 | 11/18/2004 | 14.47 | 12/18/2004 | 14.44 |
| 7/19/2004 | 14.33 | 8/19/2004 | 14.31 | 9/19/2004 | 14.50 | 10/19/2004 | 14.13 | 11/19/2004 | 14.35 | 12/19/2004 | 14.20 |
| 7/20/2004 | 14.41 | 8/20/2004 | 14.35 | 9/20/2004 | 14.53 | 10/20/2004 | 14.22 | 11/20/2004 | 14.24 | 12/20/2004 | 14.55 |
| 7/21/2004 | 14.46 | 8/21/2004 | 14.23 | 9/21/2004 | 14.50 | 10/21/2004 | 14.33 | 11/21/2004 | 14.43 | 12/21/2004 | 14.26 |
| 7/22/2004 | 14.41 | 8/22/2004 | 14.36 | 9/22/2004 | 14.50 | 10/22/2004 | 14.42 | 11/22/2004 | 14.41 | 12/22/2004 | 14.37 |
| 7/23/2004 | 14.37 | 8/23/2004 | 14.32 | 9/23/2004 | 14.45 | 10/23/2004 | 14.34 | 11/23/2004 | 14.21 | 12/23/2004 | 14.10 |
| 7/24/2004 | 14.56 | 8/24/2004 | 14.35 | 9/24/2004 | 14.39 | 10/24/2004 | 14.18 | 11/24/2004 | 13.99 | 12/24/2004 | 14.63 |
| 7/25/2004 | 14.59 | 8/25/2004 | 14.40 | 9/25/2004 | 14.32 | 10/25/2004 | 14.32 | 11/25/2004 | 13.88 | 12/25/2004 | 14.54 |
| 7/26/2004 | 14.48 | 8/26/2004 | 14.40 | 9/26/2004 | 14.34 | 10/26/2004 | 14.44 | 11/26/2004 | 14.37 | 12/26/2004 | 14.44 |
| 7/27/2004 | 14.41 | 8/27/2004 | 14.42 | 9/27/2004 | 14.23 | 10/27/2004 | 14.40 | 11/27/2004 | 14.31 | 12/27/2004 | 14.83 |
| 7/28/2004 | 14.46 | 8/28/2004 | 14.35 | 9/28/2004 | 14.05 | 10/28/2004 | 14.49 | 11/28/2004 | 14.21 | 12/28/2004 | 14.78 |
| 7/29/2004 | 14.45 | 8/29/2004 | 14.23 | 9/29/2004 | 14.20 | 10/29/2004 | 14.36 | 11/29/2004 | 14.56 | 12/29/2004 | 14.57 |
| 7/30/2004 | 14.38 | 8/30/2004 | 14.27 | 9/30/2004 | 14.29 | 10/30/2004 | 14.18 | 11/30/2004 | 14.46 | 12/30/2004 | 14.57 |
| 7/31/2004 | 14.36 | 8/31/2004 | 14.43 | | | 10/31/2004 | 14.24 | | | 12/31/2004 | 14.50 |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

ESI-5

| JANUARY | | FEBRUARY | | MARCH | | APRIL | | MAY | | JUNE | |
|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|
| DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) |
| 1/1/2004 | 15.31 | 2/1/2004 | 15.31 | 3/1/2004 | 15.28 | 4/1/2004 | 15.18 | 5/1/2004 | 15.18 | 6/1/2004 | 15.15 |
| 1/2/2004 | 15.22 | 2/2/2004 | 15.27 | 3/2/2004 | 15.31 | 4/2/2004 | 15.17 | 5/2/2004 | 15.11 | 6/2/2004 | 15.17 |
| 1/3/2004 | 15.21 | 2/3/2004 | 15.21 | 3/3/2004 | 15.34 | 4/3/2004 | 15.15 | 5/3/2004 | 15.21 | 6/3/2004 | 15.20 |
| 1/4/2004 | 15.18 | 2/4/2004 | 15.40 | 3/4/2004 | 15.27 | 4/4/2004 | 15.23 | 5/4/2004 | 15.25 | 6/4/2004 | 15.20 |
| 1/5/2004 | 15.26 | 2/5/2004 | 15.31 | 3/5/2004 | 15.17 | 4/5/2004 | 15.27 | 5/5/2004 | 15.18 | 6/5/2004 | 15.20 |
| 1/6/2004 | 15.31 | 2/6/2004 | 15.17 | 3/6/2004 | 15.20 | 4/6/2004 | 15.21 | 5/6/2004 | 15.23 | 6/6/2004 | 15.19 |
| 1/7/2004 | 15.32 | 2/7/2004 | 15.29 | 3/7/2004 | 15.22 | 4/7/2004 | 15.14 | 5/7/2004 | 15.23 | 6/7/2004 | 15.21 |
| 1/8/2004 | 15.23 | 2/8/2004 | 15.45 | 3/8/2004 | 15.28 | 4/8/2004 | 15.09 | 5/8/2004 | 15.22 | 6/8/2004 | 15.22 |
| 1/9/2004 | 15.23 | 2/9/2004 | 15.26 | 3/9/2004 | 15.18 | 4/9/2004 | 15.30 | 5/9/2004 | 15.22 | 6/9/2004 | 15.22 |
| 1/10/2004 | 15.31 | 2/10/2004 | 15.24 | 3/10/2004 | 15.34 | 4/10/2004 | 15.23 | 5/10/2004 | 15.23 | 6/10/2004 | 15.20 |
| 1/11/2004 | 15.27 | 2/11/2004 | 15.29 | 3/11/2004 | 15.21 | 4/11/2004 | 15.22 | 5/11/2004 | 15.24 | 6/11/2004 | 15.17 |
| 1/12/2004 | 15.26 | 2/12/2004 | 15.26 | 3/12/2004 | 15.31 | 4/12/2004 | 15.14 | 5/12/2004 | 15.24 | 6/12/2004 | 15.20 |
| 1/13/2004 | 15.24 | 2/13/2004 | 15.30 | 3/13/2004 | 15.37 | 4/13/2004 | 15.06 | 5/13/2004 | 15.23 | 6/13/2004 | 15.20 |
| 1/14/2004 | 15.18 | 2/14/2004 | 15.23 | 3/14/2004 | 15.24 | 4/14/2004 | 15.28 | 5/14/2004 | 15.22 | 6/14/2004 | 15.19 |
| 1/15/2004 | 15.33 | 2/15/2004 | 15.27 | 3/15/2004 | 15.31 | 4/15/2004 | 15.29 | 5/15/2004 | 15.23 | 6/15/2004 | 15.19 |
| 1/16/2004 | 15.27 | 2/16/2004 | 15.39 | 3/16/2004 | 15.07 | 4/16/2004 | 15.25 | 5/16/2004 | 15.25 | 6/16/2004 | 15.20 |
| 1/17/2004 | 15.19 | 2/17/2004 | 15.32 | 3/17/2004 | 15.25 | 4/17/2004 | 15.26 | 5/17/2004 | 15.25 | 6/17/2004 | 15.20 |
| 1/18/2004 | 15.07 | 2/18/2004 | 15.31 | 3/18/2004 | 15.26 | 4/18/2004 | 15.27 | 5/18/2004 | 15.23 | 6/18/2004 | 15.19 |
| 1/19/2004 | 15.26 | 2/19/2004 | 15.21 | 3/19/2004 | 15.40 | 4/19/2004 | 15.23 | 5/19/2004 | 15.23 | 6/19/2004 | 15.19 |
| 1/20/2004 | 15.29 | 2/20/2004 | 15.13 | 3/20/2004 | 15.20 | 4/20/2004 | 15.19 | 5/20/2004 | 15.23 | 6/20/2004 | 15.21 |
| 1/21/2004 | 15.23 | 2/21/2004 | 15.28 | 3/21/2004 | 15.33 | 4/21/2004 | 15.15 | 5/21/2004 | 15.23 | 6/21/2004 | 15.17 |
| 1/22/2004 | 15.21 | 2/22/2004 | 15.34 | 3/22/2004 | 15.33 | 4/22/2004 | 15.23 | 5/22/2004 | 15.21 | 6/22/2004 | 15.16 |
| 1/23/2004 | 15.22 | 2/23/2004 | 15.29 | 3/23/2004 | 15.33 | 4/23/2004 | 15.23 | 5/23/2004 | 15.20 | 6/23/2004 | 15.19 |
| 1/24/2004 | 15.34 | 2/24/2004 | 15.25 | 3/24/2004 | 15.30 | 4/24/2004 | 15.27 | 5/24/2004 | 15.18 | 6/24/2004 | 15.20 |
| 1/25/2004 | 15.09 | 2/25/2004 | 15.33 | 3/25/2004 | 15.35 | 4/25/2004 | 15.13 | 5/25/2004 | 15.18 | 6/25/2004 | 15.19 |
| 1/26/2004 | 15.20 | 2/26/2004 | 15.28 | 3/26/2004 | 15.30 | 4/26/2004 | 15.22 | 5/26/2004 | 15.17 | 6/26/2004 | 15.21 |
| 1/27/2004 | 15.26 | 2/27/2004 | 15.34 | 3/27/2004 | 15.29 | 4/27/2004 | 15.13 | 5/27/2004 | 15.15 | 6/27/2004 | 15.22 |
| 1/28/2004 | 15.33 | 2/28/2004 | 15.35 | 3/28/2004 | 15.26 | 4/28/2004 | 15.27 | 5/28/2004 | 15.16 | 6/28/2004 | 15.21 |
| 1/29/2004 | 15.20 | | | 3/29/2004 | 15.25 | 4/29/2004 | 15.28 | 5/29/2004 | 15.20 | 6/29/2004 | 15.22 |
| 1/30/2004 | 15.25 | | | 3/30/2004 | 15.18 | 4/30/2004 | 15.20 | 5/30/2004 | 15.17 | 6/30/2004 | 15.22 |
| 1/31/2004 | 15.30 | | | 3/31/2004 | 15.16 | | | 5/31/2004 | 15.09 | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

ESI-5 (Continued)

| JULY | | AUGUST | | SEPTEMBER | | OCTOBER | | NOVEMBER | | DECEMBER | |
|-----------|--------------------|-----------|--------------------|-----------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|
| DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) |
| 7/1/2004 | 15.21 | 8/1/2004 | 15.17 | 9/1/2004 | 15.21 | 10/1/2004 | 15.18 | 11/1/2004 | 15.21 | 12/1/2004 | 15.33 |
| 7/2/2004 | 15.20 | 8/2/2004 | 15.17 | 9/2/2004 | 15.19 | 10/2/2004 | 15.18 | 11/2/2004 | 15.19 | 12/2/2004 | 15.21 |
| 7/3/2004 | 15.19 | 8/3/2004 | 15.15 | 9/3/2004 | 15.19 | 10/3/2004 | 15.20 | 11/3/2004 | 15.23 | 12/3/2004 | 15.24 |
| 7/4/2004 | 15.17 | 8/4/2004 | 15.13 | 9/4/2004 | 15.20 | 10/4/2004 | 15.19 | 11/4/2004 | 15.11 | 12/4/2004 | 15.21 |
| 7/5/2004 | 15.19 | 8/5/2004 | 15.11 | 9/5/2004 | 15.19 | 10/5/2004 | 15.22 | 11/5/2004 | 15.22 | 12/5/2004 | 15.26 |
| 7/6/2004 | 15.20 | 8/6/2004 | 15.16 | 9/6/2004 | 15.17 | 10/6/2004 | 15.23 | 11/6/2004 | 15.20 | 12/6/2004 | 15.20 |
| 7/7/2004 | 15.17 | 8/7/2004 | 15.17 | 9/7/2004 | 15.15 | 10/7/2004 | 15.24 | 11/7/2004 | 15.19 | 12/7/2004 | 15.12 |
| 7/8/2004 | 15.19 | 8/8/2004 | 15.17 | 9/8/2004 | 15.11 | 10/8/2004 | 15.23 | 11/8/2004 | 15.25 | 12/8/2004 | 15.30 |
| 7/9/2004 | 15.20 | 8/9/2004 | 15.18 | 9/9/2004 | 15.15 | 10/9/2004 | 15.21 | 11/9/2004 | 15.28 | 12/9/2004 | 15.18 |
| 7/10/2004 | 15.21 | 8/10/2004 | 15.15 | 9/10/2004 | 15.19 | 10/10/2004 | 15.21 | 11/10/2004 | 15.27 | 12/10/2004 | 15.07 |
| 7/11/2004 | 15.21 | 8/11/2004 | 15.15 | 9/11/2004 | 15.19 | 10/11/2004 | 15.20 | 11/11/2004 | 15.25 | 12/11/2004 | 15.17 |
| 7/12/2004 | 15.19 | 8/12/2004 | 15.14 | 9/12/2004 | 15.19 | 10/12/2004 | 15.17 | 11/12/2004 | 15.21 | 12/12/2004 | 15.19 |
| 7/13/2004 | 15.18 | 8/13/2004 | 15.16 | 9/13/2004 | 15.19 | 10/13/2004 | 15.11 | 11/13/2004 | 15.29 | 12/13/2004 | 15.21 |
| 7/14/2004 | 15.14 | 8/14/2004 | 15.18 | 9/14/2004 | 15.19 | 10/14/2004 | 15.12 | 11/14/2004 | 15.32 | 12/14/2004 | 15.31 |
| 7/15/2004 | 15.16 | 8/15/2004 | 15.20 | 9/15/2004 | 15.19 | 10/15/2004 | 15.09 | 11/15/2004 | 15.32 | 12/15/2004 | 15.33 |
| 7/16/2004 | 15.16 | 8/16/2004 | 15.20 | 9/16/2004 | 15.17 | 10/16/2004 | 15.12 | 11/16/2004 | 15.30 | 12/16/2004 | 15.28 |
| 7/17/2004 | 15.15 | 8/17/2004 | 15.19 | 9/17/2004 | 15.04 | 10/17/2004 | 15.18 | 11/17/2004 | 15.28 | 12/17/2004 | 15.29 |
| 7/18/2004 | 15.15 | 8/18/2004 | 15.17 | 9/18/2004 | 15.16 | 10/18/2004 | 15.16 | 11/18/2004 | 15.27 | 12/18/2004 | 15.23 |
| 7/19/2004 | 15.15 | 8/19/2004 | 15.17 | 9/19/2004 | 15.20 | 10/19/2004 | 15.13 | 11/19/2004 | 15.24 | 12/19/2004 | 15.22 |
| 7/20/2004 | 15.17 | 8/20/2004 | 15.17 | 9/20/2004 | 15.21 | 10/20/2004 | 15.15 | 11/20/2004 | 15.22 | 12/20/2004 | 15.30 |
| 7/21/2004 | 15.17 | 8/21/2004 | 15.13 | 9/21/2004 | 15.21 | 10/21/2004 | 15.17 | 11/21/2004 | 15.26 | 12/21/2004 | 15.26 |
| 7/22/2004 | 15.17 | 8/22/2004 | 15.17 | 9/22/2004 | 15.20 | 10/22/2004 | 15.19 | 11/22/2004 | 15.22 | 12/22/2004 | 15.26 |
| 7/23/2004 | 15.16 | 8/23/2004 | 15.16 | 9/23/2004 | 15.20 | 10/23/2004 | 15.17 | 11/23/2004 | 15.20 | 12/23/2004 | 15.23 |
| 7/24/2004 | 15.20 | 8/24/2004 | 15.17 | 9/24/2004 | 15.19 | 10/24/2004 | 15.15 | 11/24/2004 | 15.12 | 12/24/2004 | 15.30 |
| 7/25/2004 | 15.19 | 8/25/2004 | 15.18 | 9/25/2004 | 15.18 | 10/25/2004 | 15.18 | 11/25/2004 | 15.24 | 12/25/2004 | 15.27 |
| 7/26/2004 | 15.18 | 8/26/2004 | 15.17 | 9/26/2004 | 15.19 | 10/26/2004 | 15.20 | 11/26/2004 | 15.23 | 12/26/2004 | 15.24 |
| 7/27/2004 | 15.17 | 8/27/2004 | 15.18 | 9/27/2004 | 15.16 | 10/27/2004 | 15.19 | 11/27/2004 | 15.16 | 12/27/2004 | 15.40 |
| 7/28/2004 | 15.18 | 8/28/2004 | 15.17 | 9/28/2004 | 15.13 | 10/28/2004 | 15.21 | 11/28/2004 | 15.26 | 12/28/2004 | 15.30 |
| 7/29/2004 | 15.17 | 8/29/2004 | 15.15 | 9/29/2004 | 15.17 | 10/29/2004 | 15.18 | 11/29/2004 | 15.26 | 12/29/2004 | 15.32 |
| 7/30/2004 | 15.17 | 8/30/2004 | 15.16 | 9/30/2004 | 15.18 | 10/30/2004 | 15.16 | 11/30/2004 | 15.22 | 12/30/2004 | 15.34 |
| 7/31/2004 | 15.17 | 8/31/2004 | 15.19 | | | 10/31/2004 | 15.19 | | | 12/31/2004 | 15.30 |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

ESI-12

| JANUARY | | FEBRUARY | | MARCH | | APRIL | | MAY | | JUNE | |
|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|
| DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) |
| 1/1/2004 | 22.34 | 2/1/2004 | 22.18 | 3/1/2004 | 22.07 | 4/1/2004 | 21.97 | 5/1/2004 | 22.24 | 6/1/2004 | 22.27 |
| 1/1/2004 | 22.34 | 2/2/2004 | 22.12 | 3/2/2004 | 22.03 | 4/2/2004 | 21.96 | 5/2/2004 | 22.04 | 6/2/2004 | 22.36 |
| 1/2/2004 | 22.12 | 2/3/2004 | 21.87 | 3/3/2004 | 22.23 | 4/3/2004 | 22.00 | 5/3/2004 | 22.29 | 6/3/2004 | 22.53 |
| 1/3/2004 | 22.00 | 2/4/2004 | 22.28 | 3/4/2004 | 22.08 | 4/4/2004 | 22.05 | 5/4/2004 | 22.40 | 6/4/2004 | 22.52 |
| 1/4/2004 | 21.93 | 2/5/2004 | 22.22 | 3/5/2004 | 21.87 | 4/5/2004 | 22.24 | 5/5/2004 | 22.26 | 6/5/2004 | 22.51 |
| 1/5/2004 | 21.96 | 2/6/2004 | 21.83 | 3/6/2004 | 21.83 | 4/6/2004 | 22.23 | 5/6/2004 | 22.33 | 6/6/2004 | 22.47 |
| 1/6/2004 | 22.30 | 2/7/2004 | 21.93 | 3/7/2004 | 22.01 | 4/7/2004 | 22.02 | 5/7/2004 | 22.40 | 6/7/2004 | 22.53 |
| 1/7/2004 | 22.44 | 2/8/2004 | 22.36 | 3/8/2004 | 22.06 | 4/8/2004 | 21.86 | 5/8/2004 | 22.44 | 6/8/2004 | 22.60 |
| 1/8/2004 | 22.29 | 2/9/2004 | 22.20 | 3/9/2004 | 21.96 | 4/9/2004 | 22.12 | 5/9/2004 | 22.39 | 6/9/2004 | 22.59 |
| 1/9/2004 | 22.12 | 2/10/2004 | 22.09 | 3/10/2004 | 22.24 | 4/10/2004 | 22.17 | 5/10/2004 | 22.39 | 6/10/2004 | 22.50 |
| 1/10/2004 | 22.32 | 2/11/2004 | 22.10 | 3/11/2004 | 22.12 | 4/11/2004 | 22.13 | 5/11/2004 | 22.43 | 6/11/2004 | 22.38 |
| 1/11/2004 | 22.29 | 2/12/2004 | 22.08 | 3/12/2004 | 22.15 | 4/12/2004 | 22.07 | 5/12/2004 | 22.43 | 6/12/2004 | 22.46 |
| 1/12/2004 | 22.10 | 2/13/2004 | 22.17 | 3/13/2004 | 22.35 | 4/13/2004 | 21.91 | 5/13/2004 | 22.41 | 6/13/2004 | 22.50 |
| 1/13/2004 | 22.15 | 2/14/2004 | 22.04 | 3/14/2004 | 22.18 | 4/14/2004 | 22.16 | 5/14/2004 | 22.39 | 6/14/2004 | 22.50 |
| 1/14/2004 | 22.08 | 2/15/2004 | 21.98 | 3/15/2004 | 22.24 | 4/15/2004 | 22.36 | 5/15/2004 | 22.41 | 6/15/2004 | 22.51 |
| 1/15/2004 | 22.05 | 2/16/2004 | 22.28 | 3/16/2004 | 21.84 | 4/16/2004 | 22.36 | 5/16/2004 | 22.52 | 6/16/2004 | 22.56 |
| 1/16/2004 | 22.17 | 2/17/2004 | 22.23 | 3/17/2004 | 22.02 | 4/17/2004 | 22.37 | 5/17/2004 | 22.52 | 6/17/2004 | 22.56 |
| 1/17/2004 | 22.06 | 2/18/2004 | 22.25 | 3/18/2004 | 22.05 | 4/18/2004 | 22.44 | 5/18/2004 | 22.46 | 6/18/2004 | 22.53 |
| 1/18/2004 | 21.68 | 2/19/2004 | 22.01 | 3/19/2004 | 22.30 | 4/19/2004 | 22.35 | 5/19/2004 | 22.41 | 6/19/2004 | 22.53 |
| 1/19/2004 | 22.02 | 2/20/2004 | 21.74 | 3/20/2004 | 22.19 | 4/20/2004 | 22.25 | 5/20/2004 | 22.42 | 6/20/2004 | 22.61 |
| 1/20/2004 | 22.20 | 2/21/2004 | 21.81 | 3/21/2004 | 22.21 | 4/21/2004 | 22.07 | 5/21/2004 | 22.42 | 6/21/2004 | 22.48 |
| 1/21/2004 | 22.17 | 2/22/2004 | 22.14 | 3/22/2004 | 22.33 | 4/22/2004 | 22.20 | 5/22/2004 | 22.35 | 6/22/2004 | 22.39 |
| 1/22/2004 | 21.94 | 2/23/2004 | 22.10 | 3/23/2004 | 22.39 | 4/23/2004 | 22.25 | 5/23/2004 | 22.29 | 6/23/2004 | 22.53 |
| 1/23/2004 | 22.14 | 2/24/2004 | 21.96 | 3/24/2004 | 22.33 | 4/24/2004 | 22.39 | 5/24/2004 | 22.27 | 6/24/2004 | 22.57 |
| 1/24/2004 | 21.84 | 2/25/2004 | 22.15 | 3/25/2004 | 22.37 | 4/25/2004 | 22.19 | 5/25/2004 | 22.29 | 6/25/2004 | 22.56 |
| 1/25/2004 | 22.02 | 2/26/2004 | 22.09 | 3/26/2004 | 22.33 | 4/26/2004 | 22.26 | 5/26/2004 | 22.26 | 6/26/2004 | 22.60 |
| 1/26/2004 | 21.78 | 2/27/2004 | 22.17 | 3/27/2004 | 22.28 | 4/27/2004 | 22.16 | 5/27/2004 | 22.22 | 6/27/2004 | 22.69 |
| 1/27/2004 | 21.72 | 2/28/2004 | 22.28 | 3/28/2004 | 22.22 | 4/28/2004 | 22.37 | 5/28/2004 | 22.21 | 6/28/2004 | 22.62 |
| 1/28/2004 | 22.13 | | | 3/29/2004 | 22.13 | 4/29/2004 | 22.44 | 5/29/2004 | 22.40 | 6/29/2004 | 22.66 |
| 1/29/2004 | 22.07 | | | 3/30/2004 | 22.05 | 4/30/2004 | 22.33 | 5/30/2004 | 22.23 | 6/30/2004 | 22.67 |
| 1/30/2004 | 21.96 | | | 3/31/2004 | 21.96 | | | 5/31/2004 | 22.14 | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

ESI-12 (Continued)

| JULY | | AUGUST | | SEPTEMBER | | OCTOBER | | NOVEMBER | | DECEMBER | |
|-----------|--------------------|-----------|--------------------|-----------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|
| DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) |
| 7/1/2004 | 22.63 | 8/1/2004 | 22.69 | 9/1/2004 | 22.75 | 10/1/2004 | 22.46 | 11/1/2004 | 22.25 | 12/1/2004 | 21.96 |
| 7/2/2004 | 22.60 | 8/2/2004 | 22.67 | 9/2/2004 | 22.67 | 10/2/2004 | 22.45 | 11/2/2004 | 22.16 | 12/2/2004 | 22.06 |
| 7/3/2004 | 22.51 | 8/3/2004 | 22.59 | 9/3/2004 | 22.66 | 10/3/2004 | 22.56 | 11/3/2004 | 22.32 | 12/3/2004 | 21.98 |
| 7/4/2004 | 22.44 | 8/4/2004 | 22.55 | 9/4/2004 | 22.67 | 10/4/2004 | 22.46 | 11/4/2004 | 21.97 | 12/4/2004 | 21.93 |
| 7/5/2004 | 22.54 | 8/5/2004 | 22.52 | 9/5/2004 | 22.65 | 10/5/2004 | 22.60 | 11/5/2004 | 22.25 | 12/5/2004 | 22.03 |
| 7/6/2004 | 22.61 | 8/6/2004 | 22.69 | 9/6/2004 | 22.57 | 10/6/2004 | 22.63 | 11/6/2004 | 22.16 | 12/6/2004 | 21.85 |
| 7/7/2004 | 22.50 | 8/7/2004 | 22.72 | 9/7/2004 | 22.49 | 10/7/2004 | 22.65 | 11/7/2004 | 22.08 | 12/7/2004 | 21.67 |
| 7/8/2004 | 22.57 | 8/8/2004 | 22.76 | 9/8/2004 | 22.34 | 10/8/2004 | 22.55 | 11/8/2004 | 22.35 | 12/8/2004 | 22.02 |
| 7/9/2004 | 22.64 | 8/9/2004 | 22.75 | 9/9/2004 | 22.52 | 10/9/2004 | 22.43 | 11/9/2004 | 22.48 | 12/9/2004 | 21.87 |
| 7/10/2004 | 22.69 | 8/10/2004 | 22.64 | 9/10/2004 | 22.70 | 10/10/2004 | 22.43 | 11/10/2004 | 22.39 | 12/10/2004 | 21.55 |
| 7/11/2004 | 22.69 | 8/11/2004 | 22.60 | 9/11/2004 | 22.67 | 10/11/2004 | 22.40 | 11/11/2004 | 22.24 | 12/11/2004 | 21.62 |
| 7/12/2004 | 22.59 | 8/12/2004 | 22.61 | 9/12/2004 | 22.63 | 10/12/2004 | 22.26 | 11/12/2004 | 22.11 | 12/12/2004 | 21.83 |
| 7/13/2004 | 22.54 | 8/13/2004 | 22.66 | 9/13/2004 | 22.64 | 10/13/2004 | 21.97 | 11/13/2004 | 22.40 | 12/13/2004 | 21.78 |
| 7/14/2004 | 22.42 | 8/14/2004 | 22.76 | 9/14/2004 | 22.62 | 10/14/2004 | 22.02 | 11/14/2004 | 22.56 | 12/14/2004 | 22.16 |
| 7/15/2004 | 22.49 | 8/15/2004 | 22.82 | 9/15/2004 | 22.59 | 10/15/2004 | 21.89 | 11/15/2004 | 22.50 | 12/15/2004 | 22.32 |
| 7/16/2004 | 22.53 | 8/16/2004 | 22.82 | 9/16/2004 | 22.51 | 10/16/2004 | 22.04 | 11/16/2004 | 22.37 | 12/16/2004 | 22.19 |
| 7/17/2004 | 22.49 | 8/17/2004 | 22.73 | 9/17/2004 | 22.20 | 10/17/2004 | 22.34 | 11/17/2004 | 22.26 | 12/17/2004 | 22.08 |
| 7/18/2004 | 22.50 | 8/18/2004 | 22.61 | 9/18/2004 | 22.52 | 10/18/2004 | 22.26 | 11/18/2004 | 22.19 | 12/18/2004 | 21.91 |
| 7/19/2004 | 22.54 | 8/19/2004 | 22.62 | 9/19/2004 | 22.70 | 10/19/2004 | 22.14 | 11/19/2004 | 22.07 | 12/19/2004 | 21.74 |
| 7/20/2004 | 22.62 | 8/20/2004 | 22.63 | 9/20/2004 | 22.69 | 10/20/2004 | 22.23 | 11/20/2004 | 22.01 | 12/20/2004 | 22.04 |
| 7/21/2004 | 22.64 | 8/21/2004 | 22.53 | 9/21/2004 | 22.66 | 10/21/2004 | 22.31 | 11/21/2004 | 22.18 | 12/21/2004 | 21.77 |
| 7/22/2004 | 22.60 | 8/22/2004 | 22.65 | 9/22/2004 | 22.66 | 10/22/2004 | 22.36 | 11/22/2004 | 22.09 | 12/22/2004 | 21.87 |
| 7/23/2004 | 22.60 | 8/23/2004 | 22.60 | 9/23/2004 | 22.61 | 10/23/2004 | 22.25 | 11/23/2004 | 21.93 | 12/23/2004 | 21.63 |
| 7/24/2004 | 22.79 | 8/24/2004 | 22.64 | 9/24/2004 | 22.55 | 10/24/2004 | 22.14 | 11/24/2004 | 21.69 | 12/24/2004 | 22.08 |
| 7/25/2004 | 22.76 | 8/25/2004 | 22.68 | 9/25/2004 | 22.50 | 10/25/2004 | 22.28 | 11/25/2004 | 21.79 | 12/25/2004 | 21.97 |
| 7/26/2004 | 22.68 | 8/26/2004 | 22.67 | 9/26/2004 | 22.52 | 10/26/2004 | 22.35 | 11/26/2004 | 22.06 | 12/26/2004 | 21.89 |
| 7/27/2004 | 22.64 | 8/27/2004 | 22.69 | 9/27/2004 | 22.40 | 10/27/2004 | 22.27 | 11/27/2004 | 21.93 | 12/27/2004 | 22.26 |
| 7/28/2004 | 22.70 | 8/28/2004 | 22.61 | 9/28/2004 | 22.25 | 10/28/2004 | 22.35 | 11/28/2004 | 21.96 | 12/28/2004 | 22.13 |
| 7/29/2004 | 22.67 | 8/29/2004 | 22.51 | 9/29/2004 | 22.40 | 10/29/2004 | 22.21 | 11/29/2004 | 22.17 | 12/29/2004 | 21.99 |
| 7/30/2004 | 22.63 | 8/30/2004 | 22.57 | 9/30/2004 | 22.46 | 10/30/2004 | 22.06 | 11/30/2004 | 22.04 | 12/30/2004 | 22.01 |
| 7/31/2004 | 22.63 | 8/31/2004 | 22.71 | | | 10/31/2004 | 22.18 | | | 12/31/2004 | 21.93 |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

ESI-19

| JANUARY | | FEBRUARY | | MARCH | | APRIL | | MAY | | JUNE | |
|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|
| DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) |
| 1/1/2004 | 16.79 | 2/1/2004 | 16.74 | 3/1/2004 | 16.59 | 4/1/2004 | 16.30 | 5/1/2004 | 16.44 | 6/1/2004 | 16.37 |
| 1/1/2004 | 16.79 | 2/2/2004 | 16.67 | 3/2/2004 | 16.55 | 4/2/2004 | 16.29 | 5/2/2004 | 16.20 | 6/2/2004 | 16.49 |
| 1/2/2004 | 16.53 | 2/3/2004 | 16.39 | 3/3/2004 | 16.77 | 4/3/2004 | 16.33 | 5/3/2004 | 16.50 | 6/3/2004 | 16.68 |
| 1/3/2004 | 16.39 | 2/4/2004 | 16.89 | 3/4/2004 | 16.60 | 4/4/2004 | 16.40 | 5/4/2004 | 16.62 | 6/4/2004 | 16.66 |
| 1/4/2004 | 16.31 | 2/5/2004 | 16.79 | 3/5/2004 | 16.34 | 4/5/2004 | 16.60 | 5/5/2004 | 16.44 | 6/5/2004 | 16.62 |
| 1/5/2004 | 16.39 | 2/6/2004 | 16.33 | 3/6/2004 | 16.30 | 4/6/2004 | 16.58 | 5/6/2004 | 16.53 | 6/6/2004 | 16.57 |
| 1/6/2004 | 16.77 | 2/7/2004 | 16.47 | 3/7/2004 | 16.49 | 4/7/2004 | 16.34 | 5/7/2004 | 16.58 | 6/7/2004 | 16.64 |
| 1/7/2004 | 16.93 | 2/8/2004 | 16.96 | 3/8/2004 | 16.56 | 4/8/2004 | 16.14 | 5/8/2004 | 16.61 | 6/8/2004 | 16.72 |
| 1/8/2004 | 16.73 | 2/9/2004 | 16.75 | 3/9/2004 | 16.42 | 4/9/2004 | 16.48 | 5/9/2004 | 16.55 | 6/9/2004 | 16.70 |
| 1/9/2004 | 16.54 | 2/10/2004 | 16.62 | 3/10/2004 | 16.76 | 4/10/2004 | 16.51 | 5/10/2004 | 16.56 | 6/10/2004 | 16.58 |
| 1/10/2004 | 16.78 | 2/11/2004 | 16.64 | 3/11/2004 | 16.60 | 4/11/2004 | 16.47 | 5/11/2004 | 16.60 | 6/11/2004 | 16.43 |
| 1/11/2004 | 16.73 | 2/12/2004 | 16.60 | 3/12/2004 | 16.64 | 4/12/2004 | 16.39 | 5/12/2004 | 16.60 | 6/12/2004 | 16.53 |
| 1/12/2004 | 16.52 | 2/13/2004 | 16.71 | 3/13/2004 | 16.86 | 4/13/2004 | 16.17 | 5/13/2004 | 16.58 | 6/13/2004 | 16.57 |
| 1/13/2004 | 16.58 | 2/14/2004 | 16.55 | 3/14/2004 | 16.65 | 4/14/2004 | 16.48 | 5/14/2004 | 16.54 | 6/14/2004 | 16.55 |
| 1/14/2004 | 16.48 | 2/15/2004 | 16.49 | 3/15/2004 | 16.72 | 4/15/2004 | 16.70 | 5/15/2004 | 16.57 | 6/15/2004 | 16.57 |
| 1/15/2004 | 16.48 | 2/16/2004 | 16.84 | 3/16/2004 | 16.25 | 4/16/2004 | 16.71 | 5/16/2004 | 16.69 | 6/16/2004 | 16.61 |
| 1/16/2004 | 16.61 | 2/17/2004 | 16.79 | 3/17/2004 | 16.46 | 4/17/2004 | 16.72 | 5/17/2004 | 16.70 | 6/17/2004 | 16.62 |
| 1/17/2004 | 16.47 | 2/18/2004 | 16.80 | 3/18/2004 | 16.49 | 4/18/2004 | 16.76 | 5/18/2004 | 16.61 | 6/18/2004 | 16.57 |
| 1/18/2004 | 16.02 | 2/19/2004 | 16.51 | 3/19/2004 | 16.78 | 4/19/2004 | 16.67 | 5/19/2004 | 16.56 | 6/19/2004 | 16.55 |
| 1/19/2004 | 16.47 | 2/20/2004 | 16.19 | 3/20/2004 | 16.63 | 4/20/2004 | 16.55 | 5/20/2004 | 16.57 | 6/20/2004 | 16.64 |
| 1/20/2004 | 16.68 | 2/21/2004 | 16.30 | 3/21/2004 | 16.65 | 4/21/2004 | 16.33 | 5/21/2004 | 16.56 | 6/21/2004 | 16.48 |
| 1/21/2004 | 16.64 | 2/22/2004 | 16.69 | 3/22/2004 | 16.78 | 4/22/2004 | 16.45 | 5/22/2004 | 16.47 | 6/22/2004 | 16.37 |
| 1/22/2004 | 16.41 | 2/23/2004 | 16.65 | 3/23/2004 | 16.85 | 4/23/2004 | 16.52 | 5/23/2004 | 16.41 | 6/23/2004 | 16.54 |
| 1/23/2004 | 16.66 | 2/24/2004 | 16.47 | 3/24/2004 | 16.78 | 4/24/2004 | 16.68 | 5/24/2004 | 16.38 | 6/24/2004 | 16.58 |
| 1/24/2004 | 16.30 | 2/25/2004 | 16.69 | 3/25/2004 | 16.81 | 4/25/2004 | 16.43 | 5/25/2004 | 16.40 | 6/25/2004 | 16.55 |
| 1/25/2004 | 16.52 | 2/26/2004 | 16.61 | 3/26/2004 | 16.76 | 4/26/2004 | 16.50 | 5/26/2004 | 16.36 | 6/26/2004 | 16.58 |
| 1/26/2004 | 16.26 | 2/27/2004 | 16.72 | 3/27/2004 | 16.69 | 4/27/2004 | 16.37 | 5/27/2004 | 16.32 | 6/27/2004 | 16.69 |
| 1/27/2004 | 16.20 | 2/28/2004 | 16.85 | 3/28/2004 | 16.61 | 4/28/2004 | 16.61 | 5/28/2004 | 16.32 | 6/28/2004 | 16.60 |
| 1/28/2004 | 16.69 | | | 3/29/2004 | 16.51 | 4/29/2004 | 16.67 | 5/29/2004 | 16.54 | 6/29/2004 | 16.64 |
| 1/29/2004 | 16.61 | | | 3/30/2004 | 16.42 | 4/30/2004 | 16.54 | 5/30/2004 | 16.44 | 6/30/2004 | 16.65 |
| 1/30/2004 | 16.50 | | | 3/31/2004 | 16.29 | | | 5/31/2004 | 16.22 | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

ESI-19 (Continued)

| JULY | | AUGUST | | SEPTEMBER | | OCTOBER | | NOVEMBER | | DECEMBER | |
|-----------|--------------------|-----------|--------------------|-----------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|
| DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) |
| 7/1/2004 | 16.59 | 8/1/2004 | 16.53 | 9/1/2004 | 16.60 | 10/1/2004 | 16.39 | 11/1/2004 | 16.46 | 12/1/2004 | 16.42 |
| 7/2/2004 | 16.55 | 8/2/2004 | 16.50 | 9/2/2004 | 16.50 | 10/2/2004 | 16.39 | 11/2/2004 | 16.34 | 12/2/2004 | 16.52 |
| 7/3/2004 | 16.44 | 8/3/2004 | 16.41 | 9/3/2004 | 16.49 | 10/3/2004 | 16.52 | 11/3/2004 | 16.57 | 12/3/2004 | 16.43 |
| 7/4/2004 | 16.35 | 8/4/2004 | 16.34 | 9/4/2004 | 16.50 | 10/4/2004 | 16.40 | 11/4/2004 | 16.13 | 12/4/2004 | 16.38 |
| 7/5/2004 | 16.47 | 8/5/2004 | 16.34 | 9/5/2004 | 16.48 | 10/5/2004 | 16.58 | 11/5/2004 | 16.51 | 12/5/2004 | 16.52 |
| 7/6/2004 | 16.54 | 8/6/2004 | 16.53 | 9/6/2004 | 16.38 | 10/6/2004 | 16.62 | 11/6/2004 | 16.40 | 12/6/2004 | 16.30 |
| 7/7/2004 | 16.41 | 8/7/2004 | 16.56 | 9/7/2004 | 16.28 | 10/7/2004 | 16.64 | 11/7/2004 | 16.31 | 12/7/2004 | 16.08 |
| 7/8/2004 | 16.49 | 8/8/2004 | 16.60 | 9/8/2004 | 16.11 | 10/8/2004 | 16.53 | 11/8/2004 | 16.67 | 12/8/2004 | 16.54 |
| 7/9/2004 | 16.57 | 8/9/2004 | 16.59 | 9/9/2004 | 16.37 | 10/9/2004 | 16.40 | 11/9/2004 | 16.82 | 12/9/2004 | 16.35 |
| 7/10/2004 | 16.61 | 8/10/2004 | 16.45 | 9/10/2004 | 16.58 | 10/10/2004 | 16.40 | 11/10/2004 | 16.70 | 12/10/2004 | 15.96 |
| 7/11/2004 | 16.62 | 8/11/2004 | 16.41 | 9/11/2004 | 16.55 | 10/11/2004 | 16.37 | 11/11/2004 | 16.54 | 12/11/2004 | 16.09 |
| 7/12/2004 | 16.49 | 8/12/2004 | 16.42 | 9/12/2004 | 16.50 | 10/12/2004 | 16.19 | 11/12/2004 | 16.39 | 12/12/2004 | 16.35 |
| 7/13/2004 | 16.43 | 8/13/2004 | 16.47 | 9/13/2004 | 16.52 | 10/13/2004 | 15.87 | 11/13/2004 | 16.75 | 12/13/2004 | 16.30 |
| 7/14/2004 | 16.28 | 8/14/2004 | 16.59 | 9/14/2004 | 16.50 | 10/14/2004 | 15.97 | 11/14/2004 | 16.94 | 12/14/2004 | 16.78 |
| 7/15/2004 | 16.37 | 8/15/2004 | 16.65 | 9/15/2004 | 16.47 | 10/15/2004 | 15.84 | 11/15/2004 | 16.86 | 12/15/2004 | 16.95 |
| 7/16/2004 | 16.41 | 8/16/2004 | 16.66 | 9/16/2004 | 16.37 | 10/16/2004 | 16.04 | 11/16/2004 | 16.73 | 12/16/2004 | 16.79 |
| 7/17/2004 | 16.36 | 8/17/2004 | 16.55 | 9/17/2004 | 16.00 | 10/17/2004 | 16.42 | 11/17/2004 | 16.59 | 12/17/2004 | 16.68 |
| 7/18/2004 | 16.37 | 8/18/2004 | 16.41 | 9/18/2004 | 16.41 | 10/18/2004 | 16.32 | 11/18/2004 | 16.51 | 12/18/2004 | 16.46 |
| 7/19/2004 | 16.42 | 8/19/2004 | 16.42 | 9/19/2004 | 16.63 | 10/19/2004 | 16.20 | 11/19/2004 | 16.37 | 12/19/2004 | 16.26 |
| 7/20/2004 | 16.51 | 8/20/2004 | 16.43 | 9/20/2004 | 16.62 | 10/20/2004 | 16.32 | 11/20/2004 | 16.32 | 12/20/2004 | 16.64 |
| 7/21/2004 | 16.53 | 8/21/2004 | 16.34 | 9/21/2004 | 16.59 | 10/21/2004 | 16.44 | 11/21/2004 | 16.54 | 12/21/2004 | 16.32 |
| 7/22/2004 | 16.48 | 8/22/2004 | 16.46 | 9/22/2004 | 16.57 | 10/22/2004 | 16.49 | 11/22/2004 | 16.41 | 12/22/2004 | 16.45 |
| 7/23/2004 | 16.47 | 8/23/2004 | 16.41 | 9/23/2004 | 16.52 | 10/23/2004 | 16.37 | 11/23/2004 | 16.22 | 12/23/2004 | 16.17 |
| 7/24/2004 | 16.69 | 8/24/2004 | 16.46 | 9/24/2004 | 16.45 | 10/24/2004 | 16.26 | 11/24/2004 | 15.95 | 12/24/2004 | 16.72 |
| 7/25/2004 | 16.64 | 8/25/2004 | 16.50 | 9/25/2004 | 16.40 | 10/25/2004 | 16.43 | 11/25/2004 | 16.15 | 12/25/2004 | 16.59 |
| 7/26/2004 | 16.53 | 8/26/2004 | 16.48 | 9/26/2004 | 16.42 | 10/26/2004 | 16.53 | 11/26/2004 | 16.47 | 12/26/2004 | 16.49 |
| 7/27/2004 | 16.49 | 8/27/2004 | 16.51 | 9/27/2004 | 16.28 | 10/27/2004 | 16.43 | 11/27/2004 | 16.29 | 12/27/2004 | 16.94 |
| 7/28/2004 | 16.55 | 8/28/2004 | 16.41 | 9/28/2004 | 16.12 | 10/28/2004 | 16.55 | 11/28/2004 | 16.38 | 12/28/2004 | 16.78 |
| 7/29/2004 | 16.50 | 8/29/2004 | 16.31 | 9/29/2004 | 16.32 | 10/29/2004 | 16.37 | 11/29/2004 | 16.63 | 12/29/2004 | 16.62 |
| 7/30/2004 | 16.47 | 8/30/2004 | 16.38 | 9/30/2004 | 16.40 | 10/30/2004 | 16.20 | 11/30/2004 | 16.48 | 12/30/2004 | 16.66 |
| 7/31/2004 | 16.46 | 8/31/2004 | 16.55 | | | 10/31/2004 | 16.38 | | | 12/31/2004 | 16.56 |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

N2B

| JANUARY | | FEBRUARY | | MARCH | | APRIL | | MAY | | JUNE | |
|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|
| DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) |
| 1/1/2004 | 0.00 | 2/1/2004 | 12.00 | 3/1/2004 | 12.00 | 4/1/2004 | 11.81 | 5/1/2004 | 11.94 | 6/1/2004 | 11.92 |
| 1/2/2004 | 0.00 | 2/2/2004 | 12.00 | 3/2/2004 | 12.00 | 4/2/2004 | 11.80 | 5/2/2004 | 11.71 | 6/2/2004 | 12.03 |
| 1/3/2004 | 0.00 | 2/3/2004 | 11.93 | 3/3/2004 | 12.00 | 4/3/2004 | 11.85 | 5/3/2004 | 12.00 | 6/3/2004 | 12.07 |
| 1/4/2004 | 0.00 | 2/4/2004 | 12.00 | 3/4/2004 | 12.00 | 4/4/2004 | 11.91 | 5/4/2004 | 12.07 | 6/4/2004 | 12.00 |
| 1/5/2004 | 0.00 | 2/5/2004 | 12.00 | 3/5/2004 | 11.85 | 4/5/2004 | 12.07 | 5/5/2004 | 11.98 | 6/5/2004 | 12.00 |
| 1/6/2004 | 0.00 | 2/6/2004 | 11.83 | 3/6/2004 | 11.81 | 4/6/2004 | 12.07 | 5/6/2004 | 12.03 | 6/6/2004 | 12.00 |
| 1/7/2004 | 0.00 | 2/7/2004 | 11.97 | 3/7/2004 | 12.01 | 4/7/2004 | 11.87 | 5/7/2004 | 12.08 | 6/7/2004 | 12.00 |
| 1/8/2004 | 0.00 | 2/8/2004 | 12.00 | 3/8/2004 | 12.05 | 4/8/2004 | 11.66 | 5/8/2004 | 12.07 | 6/8/2004 | 12.00 |
| 1/9/2004 | 0.00 | 2/9/2004 | 12.00 | 3/9/2004 | 11.97 | 4/9/2004 | 12.01 | 5/9/2004 | 12.06 | 6/9/2004 | 12.00 |
| 1/10/2004 | 0.00 | 2/10/2004 | 12.00 | 3/10/2004 | 12.07 | 4/10/2004 | 12.05 | 5/10/2004 | 12.07 | 6/10/2004 | 12.00 |
| 1/11/2004 | 0.00 | 2/11/2004 | 12.00 | 3/11/2004 | 12.03 | 4/11/2004 | 12.02 | 5/11/2004 | 12.00 | 6/11/2004 | 11.95 |
| 1/12/2004 | 0.00 | 2/12/2004 | 12.00 | 3/12/2004 | 12.07 | 4/12/2004 | 11.94 | 5/12/2004 | 12.00 | 6/12/2004 | 12.03 |
| 1/13/2004 | 0.00 | 2/13/2004 | 12.00 | 3/13/2004 | 12.06 | 4/13/2004 | 11.74 | 5/13/2004 | 12.00 | 6/13/2004 | 12.05 |
| 1/14/2004 | 0.00 | 2/14/2004 | 12.00 | 3/14/2004 | 12.00 | 4/14/2004 | 11.98 | 5/14/2004 | 12.00 | 6/14/2004 | 12.05 |
| 1/15/2004 | 0.00 | 2/15/2004 | 12.02 | 3/15/2004 | 12.05 | 4/15/2004 | 12.06 | 5/15/2004 | 12.00 | 6/15/2004 | 12.07 |
| 1/16/2004 | 0.00 | 2/16/2004 | 12.07 | 3/16/2004 | 11.76 | 4/16/2004 | 12.00 | 5/16/2004 | 12.00 | 6/16/2004 | 12.00 |
| 1/17/2004 | 0.00 | 2/17/2004 | 12.00 | 3/17/2004 | 11.99 | 4/17/2004 | 12.05 | 5/17/2004 | 12.00 | 6/17/2004 | 12.00 |
| 1/18/2004 | 0.00 | 2/18/2004 | 12.00 | 3/18/2004 | 12.01 | 4/18/2004 | 12.05 | 5/18/2004 | 12.00 | 6/18/2004 | 12.00 |
| 1/19/2004 | 0.00 | 2/19/2004 | 12.00 | 3/19/2004 | 12.07 | 4/19/2004 | 12.02 | 5/19/2004 | 12.00 | 6/19/2004 | 12.00 |
| 1/20/2004 | 0.00 | 2/20/2004 | 11.71 | 3/20/2004 | 12.02 | 4/20/2004 | 12.00 | 5/20/2004 | 12.00 | 6/20/2004 | 12.00 |
| 1/21/2004 | 12.00 | 2/21/2004 | 11.82 | 3/21/2004 | 12.07 | 4/21/2004 | 11.83 | 5/21/2004 | 12.00 | 6/21/2004 | 12.00 |
| 1/22/2004 | 12.00 | 2/22/2004 | 12.06 | 3/22/2004 | 12.07 | 4/22/2004 | 11.99 | 5/22/2004 | 11.97 | 6/22/2004 | 11.87 |
| 1/23/2004 | 11.96 | 2/23/2004 | 12.00 | 3/23/2004 | 12.07 | 4/23/2004 | 12.02 | 5/23/2004 | 11.90 | 6/23/2004 | 12.05 |
| 1/24/2004 | 12.00 | 2/24/2004 | 12.00 | 3/24/2004 | 12.06 | 4/24/2004 | 12.06 | 5/24/2004 | 11.87 | 6/24/2004 | 12.00 |
| 1/25/2004 | 11.84 | 2/25/2004 | 12.00 | 3/25/2004 | 12.08 | 4/25/2004 | 11.92 | 5/25/2004 | 11.91 | 6/25/2004 | 12.00 |
| 1/26/2004 | 12.00 | 2/26/2004 | 12.00 | 3/26/2004 | 12.07 | 4/26/2004 | 11.98 | 5/26/2004 | 11.88 | 6/26/2004 | 12.00 |
| 1/27/2004 | 11.79 | 2/27/2004 | 12.00 | 3/27/2004 | 12.05 | 4/27/2004 | 11.87 | 5/27/2004 | 11.84 | 6/27/2004 | 12.00 |
| 1/28/2004 | 11.73 | 2/28/2004 | 12.00 | 3/28/2004 | 12.03 | 4/28/2004 | 12.07 | 5/28/2004 | 11.84 | 6/28/2004 | 12.00 |
| 1/29/2004 | 12.00 | | | 3/29/2004 | 11.98 | 4/29/2004 | 12.07 | 5/29/2004 | 12.07 | 6/29/2004 | 12.00 |
| 1/30/2004 | 12.00 | | | 3/30/2004 | 11.90 | 4/30/2004 | 12.01 | 5/30/2004 | 12.01 | 6/30/2004 | 12.00 |
| 1/31/2004 | 12.02 | | | 3/31/2004 | 11.79 | | | 5/31/2004 | 11.77 | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

N2B (Continued)

| JULY | | AUGUST | | SEPTEMBER | | OCTOBER | | NOVEMBER | | DECEMBER | |
|-----------|--------------------|-----------|--------------------|-----------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|
| DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) |
| 7/1/2004 | 12.00 | 8/1/2004 | 12.05 | 9/1/2004 | 12.09 | 10/1/2004 | 11.92 | 11/1/2004 | 12.00 | 12/1/2004 | 11.98 |
| 7/2/2004 | 12.00 | 8/2/2004 | 12.03 | 9/2/2004 | 12.02 | 10/2/2004 | 11.92 | 11/2/2004 | 11.88 | 12/2/2004 | 12.09 |
| 7/3/2004 | 11.96 | 8/3/2004 | 11.93 | 9/3/2004 | 12.01 | 10/3/2004 | 12.06 | 11/3/2004 | 12.08 | 12/3/2004 | 12.00 |
| 7/4/2004 | 11.85 | 8/4/2004 | 11.86 | 9/4/2004 | 12.03 | 10/4/2004 | 11.93 | 11/4/2004 | 11.65 | 12/4/2004 | 11.96 |
| 7/5/2004 | 11.97 | 8/5/2004 | 11.85 | 9/5/2004 | 11.99 | 10/5/2004 | 12.08 | 11/5/2004 | 12.03 | 12/5/2004 | 12.06 |
| 7/6/2004 | 12.08 | 8/6/2004 | 12.04 | 9/6/2004 | 11.89 | 10/6/2004 | 12.00 | 11/6/2004 | 11.95 | 12/6/2004 | 11.88 |
| 7/7/2004 | 11.93 | 8/7/2004 | 12.07 | 9/7/2004 | 11.79 | 10/7/2004 | 12.00 | 11/7/2004 | 11.86 | 12/7/2004 | 11.66 |
| 7/8/2004 | 12.01 | 8/8/2004 | 12.08 | 9/8/2004 | 11.61 | 10/8/2004 | 12.00 | 11/8/2004 | 12.10 | 12/8/2004 | 12.05 |
| 7/9/2004 | 12.08 | 8/9/2004 | 12.00 | 9/9/2004 | 11.87 | 10/9/2004 | 11.84 | 11/9/2004 | 12.08 | 12/9/2004 | 11.94 |
| 7/10/2004 | 12.06 | 8/10/2004 | 11.90 | 9/10/2004 | 12.08 | 10/10/2004 | 11.83 | 11/10/2004 | 12.06 | 12/10/2004 | 11.53 |
| 7/11/2004 | 12.00 | 8/11/2004 | 11.84 | 9/11/2004 | 12.07 | 10/11/2004 | 11.82 | 11/11/2004 | 12.00 | 12/11/2004 | 11.66 |
| 7/12/2004 | 11.98 | 8/12/2004 | 11.87 | 9/12/2004 | 12.04 | 10/12/2004 | 11.66 | 11/12/2004 | 11.85 | 12/12/2004 | 11.94 |
| 7/13/2004 | 11.89 | 8/13/2004 | 11.95 | 9/13/2004 | 12.03 | 10/13/2004 | 11.35 | 11/13/2004 | 12.05 | 12/13/2004 | 11.89 |
| 7/14/2004 | 11.72 | 8/14/2004 | 12.08 | 9/14/2004 | 12.01 | 10/14/2004 | 11.45 | 11/14/2004 | 12.00 | 12/14/2004 | 12.07 |
| 7/15/2004 | 11.82 | 8/15/2004 | 12.00 | 9/15/2004 | 11.98 | 10/15/2004 | 11.32 | 11/15/2004 | 12.00 | 12/15/2004 | 12.07 |
| 7/16/2004 | 11.87 | 8/16/2004 | 12.00 | 9/16/2004 | 11.88 | 10/16/2004 | 11.54 | 11/16/2004 | 12.00 | 12/16/2004 | 12.06 |
| 7/17/2004 | 11.84 | 8/17/2004 | 12.00 | 9/17/2004 | 11.50 | 10/17/2004 | 11.91 | 11/17/2004 | 12.00 | 12/17/2004 | 12.05 |
| 7/18/2004 | 11.87 | 8/18/2004 | 11.82 | 9/18/2004 | 11.92 | 10/18/2004 | 11.86 | 11/18/2004 | 12.00 | 12/18/2004 | 12.04 |
| 7/19/2004 | 11.93 | 8/19/2004 | 11.85 | 9/19/2004 | 12.06 | 10/19/2004 | 11.70 | 11/19/2004 | 11.88 | 12/19/2004 | 11.83 |
| 7/20/2004 | 12.03 | 8/20/2004 | 11.90 | 9/20/2004 | 12.00 | 10/20/2004 | 11.84 | 11/20/2004 | 11.80 | 12/20/2004 | 12.07 |
| 7/21/2004 | 12.05 | 8/21/2004 | 11.82 | 9/21/2004 | 12.00 | 10/21/2004 | 11.98 | 11/21/2004 | 12.06 | 12/21/2004 | 11.91 |
| 7/22/2004 | 12.00 | 8/22/2004 | 11.98 | 9/22/2004 | 12.00 | 10/22/2004 | 12.03 | 11/22/2004 | 11.98 | 12/22/2004 | 12.04 |
| 7/23/2004 | 12.00 | 8/23/2004 | 11.93 | 9/23/2004 | 12.01 | 10/23/2004 | 11.91 | 11/23/2004 | 11.78 | 12/23/2004 | 11.76 |
| 7/24/2004 | 12.06 | 8/24/2004 | 11.98 | 9/24/2004 | 11.95 | 10/24/2004 | 11.77 | 11/24/2004 | 11.50 | 12/24/2004 | 12.07 |
| 7/25/2004 | 12.00 | 8/25/2004 | 12.03 | 9/25/2004 | 11.85 | 10/25/2004 | 11.97 | 11/25/2004 | 11.67 | 12/25/2004 | 12.06 |
| 7/26/2004 | 12.00 | 8/26/2004 | 11.99 | 9/26/2004 | 11.89 | 10/26/2004 | 12.06 | 11/26/2004 | 12.02 | 12/26/2004 | 12.06 |
| 7/27/2004 | 11.97 | 8/27/2004 | 12.03 | 9/27/2004 | 11.74 | 10/27/2004 | 11.99 | 11/27/2004 | 11.87 | 12/27/2004 | 12.06 |
| 7/28/2004 | 12.06 | 8/28/2004 | 11.92 | 9/28/2004 | 11.59 | 10/28/2004 | 12.08 | 11/28/2004 | 11.94 | 12/28/2004 | 12.05 |
| 7/29/2004 | 12.03 | 8/29/2004 | 11.81 | 9/29/2004 | 11.83 | 10/29/2004 | 11.92 | 11/29/2004 | 12.07 | 12/29/2004 | 12.01 |
| 7/30/2004 | 11.98 | 8/30/2004 | 11.89 | 9/30/2004 | 11.92 | 10/30/2004 | 11.72 | 11/30/2004 | 12.07 | 12/30/2004 | 12.02 |
| 7/31/2004 | 11.97 | 8/31/2004 | 12.07 | | | 10/31/2004 | 11.88 | | | 12/31/2004 | 12.00 |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

UE-2

| JANUARY | | FEBRUARY | | MARCH | | APRIL | | MAY | | JUNE | |
|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|
| DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) |
| 1/1/2004 | 13.62 | 2/1/2004 | 17.33 | 3/1/2004 | 17.18 | 4/1/2004 | 16.89 | 5/1/2004 | 17.02 | 6/1/2004 | 16.96 |
| 1/2/2004 | 13.35 | 2/2/2004 | 17.26 | 3/2/2004 | 17.14 | 4/2/2004 | 16.88 | 5/2/2004 | 16.79 | 6/2/2004 | 17.07 |
| 1/3/2004 | 13.20 | 2/3/2004 | 16.97 | 3/3/2004 | 17.35 | 4/3/2004 | 16.92 | 5/3/2004 | 17.08 | 6/3/2004 | 17.26 |
| 1/4/2004 | 13.12 | 2/4/2004 | 17.46 | 3/4/2004 | 17.18 | 4/4/2004 | 16.99 | 5/4/2004 | 17.20 | 6/4/2004 | 17.24 |
| 1/5/2004 | 13.18 | 2/5/2004 | 17.37 | 3/5/2004 | 16.92 | 4/5/2004 | 17.20 | 5/5/2004 | 17.02 | 6/5/2004 | 17.21 |
| 1/6/2004 | 13.61 | 2/6/2004 | 16.92 | 3/6/2004 | 16.88 | 4/6/2004 | 17.16 | 5/6/2004 | 17.11 | 6/6/2004 | 17.16 |
| 1/7/2004 | 13.77 | 2/7/2004 | 17.05 | 3/7/2004 | 17.08 | 4/7/2004 | 16.92 | 5/7/2004 | 17.16 | 6/7/2004 | 17.23 |
| 1/8/2004 | 13.56 | 2/8/2004 | 17.55 | 3/8/2004 | 17.14 | 4/8/2004 | 16.73 | 5/8/2004 | 17.20 | 6/8/2004 | 17.31 |
| 1/9/2004 | 13.35 | 2/9/2004 | 17.33 | 3/9/2004 | 17.00 | 4/9/2004 | 17.07 | 5/9/2004 | 17.13 | 6/9/2004 | 17.29 |
| 1/10/2004 | 13.61 | 2/10/2004 | 17.21 | 3/10/2004 | 17.35 | 4/10/2004 | 17.10 | 5/10/2004 | 17.14 | 6/10/2004 | 17.17 |
| 1/11/2004 | 13.56 | 2/11/2004 | 17.22 | 3/11/2004 | 17.18 | 4/11/2004 | 17.06 | 5/11/2004 | 17.18 | 6/11/2004 | 17.02 |
| 1/12/2004 | 13.32 | 2/12/2004 | 17.19 | 3/12/2004 | 17.23 | 4/12/2004 | 16.96 | 5/12/2004 | 17.18 | 6/12/2004 | 17.11 |
| 1/13/2004 | 13.40 | 2/13/2004 | 17.29 | 3/13/2004 | 17.44 | 4/13/2004 | 16.78 | 5/13/2004 | 17.16 | 6/13/2004 | 17.15 |
| 1/14/2004 | 13.30 | 2/14/2004 | 17.15 | 3/14/2004 | 17.24 | 4/14/2004 | 17.10 | 5/14/2004 | 17.13 | 6/14/2004 | 17.14 |
| 1/15/2004 | 13.27 | 2/15/2004 | 17.08 | 3/15/2004 | 17.31 | 4/15/2004 | 17.30 | 5/15/2004 | 17.15 | 6/15/2004 | 17.15 |
| 1/16/2004 | 0.00 | 2/16/2004 | 17.43 | 3/16/2004 | 16.83 | 4/16/2004 | 17.29 | 5/16/2004 | 17.27 | 6/16/2004 | 17.20 |
| 1/17/2004 | 0.00 | 2/17/2004 | 17.36 | 3/17/2004 | 17.04 | 4/17/2004 | 17.30 | 5/17/2004 | 17.28 | 6/17/2004 | 17.19 |
| 1/18/2004 | 0.00 | 2/18/2004 | 17.39 | 3/18/2004 | 17.08 | 4/18/2004 | 17.37 | 5/18/2004 | 17.20 | 6/18/2004 | 17.15 |
| 1/19/2004 | 0.00 | 2/19/2004 | 17.10 | 3/19/2004 | 17.37 | 4/19/2004 | 17.26 | 5/19/2004 | 17.14 | 6/19/2004 | 17.14 |
| 1/20/2004 | 0.00 | 2/20/2004 | 16.77 | 3/20/2004 | 17.21 | 4/20/2004 | 17.12 | 5/20/2004 | 17.15 | 6/20/2004 | 17.23 |
| 1/21/2004 | 17.22 | 2/21/2004 | 16.89 | 3/21/2004 | 17.24 | 4/21/2004 | 16.91 | 5/21/2004 | 17.14 | 6/21/2004 | 17.06 |
| 1/22/2004 | 17.00 | 2/22/2004 | 17.28 | 3/22/2004 | 17.37 | 4/22/2004 | 17.07 | 5/22/2004 | 17.06 | 6/22/2004 | 16.96 |
| 1/23/2004 | 17.24 | 2/23/2004 | 17.22 | 3/23/2004 | 17.43 | 4/23/2004 | 17.11 | 5/23/2004 | 16.99 | 6/23/2004 | 17.12 |
| 1/24/2004 | 16.89 | 2/24/2004 | 17.06 | 3/24/2004 | 17.36 | 4/24/2004 | 17.26 | 5/24/2004 | 16.97 | 6/24/2004 | 17.16 |
| 1/25/2004 | 17.10 | 2/25/2004 | 17.28 | 3/25/2004 | 17.40 | 4/25/2004 | 17.01 | 5/25/2004 | 16.99 | 6/25/2004 | 17.13 |
| 1/26/2004 | 16.85 | 2/26/2004 | 17.20 | 3/26/2004 | 17.35 | 4/26/2004 | 17.09 | 5/26/2004 | 16.94 | 6/26/2004 | 17.17 |
| 1/27/2004 | 16.77 | 2/27/2004 | 17.31 | 3/27/2004 | 17.28 | 4/27/2004 | 16.96 | 5/27/2004 | 16.90 | 6/27/2004 | 17.27 |
| 1/28/2004 | 17.28 | 2/28/2004 | 17.44 | 3/28/2004 | 17.20 | 4/28/2004 | 17.21 | 5/28/2004 | 16.90 | 6/28/2004 | 17.19 |
| 1/29/2004 | 17.19 | | | 3/29/2004 | 17.10 | 4/29/2004 | 17.28 | 5/29/2004 | 17.13 | 6/29/2004 | 17.23 |
| 1/30/2004 | 17.08 | | | 3/30/2004 | 17.00 | 4/30/2004 | 17.14 | 5/30/2004 | 17.02 | 6/30/2004 | 17.24 |
| 1/31/2004 | 17.26 | | | 3/31/2004 | 16.88 | | | 5/31/2004 | 16.81 | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

UE-2 (Continued)

| JULY | | AUGUST | | SEPTEMBER | | OCTOBER | | NOVEMBER | | DECEMBER | |
|-----------|--------------------|-----------|--------------------|-----------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|
| DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) |
| 7/1/2004 | 17.18 | 8/1/2004 | 17.12 | 9/1/2004 | 17.18 | 10/1/2004 | 16.97 | 11/1/2004 | 17.03 | 12/1/2004 | 17.00 |
| 7/2/2004 | 17.13 | 8/2/2004 | 17.08 | 9/2/2004 | 17.08 | 10/2/2004 | 16.97 | 11/2/2004 | 16.92 | 12/2/2004 | 17.10 |
| 7/3/2004 | 17.03 | 8/3/2004 | 16.99 | 9/3/2004 | 17.07 | 10/3/2004 | 17.10 | 11/3/2004 | 17.15 | 12/3/2004 | 17.02 |
| 7/4/2004 | 16.94 | 8/4/2004 | 16.93 | 9/4/2004 | 17.08 | 10/4/2004 | 16.98 | 11/4/2004 | 16.70 | 12/4/2004 | 16.96 |
| 7/5/2004 | 17.06 | 8/5/2004 | 16.92 | 9/5/2004 | 17.06 | 10/5/2004 | 17.16 | 11/5/2004 | 17.09 | 12/5/2004 | 17.10 |
| 7/6/2004 | 17.13 | 8/6/2004 | 17.11 | 9/6/2004 | 16.96 | 10/6/2004 | 17.20 | 11/6/2004 | 16.98 | 12/6/2004 | 16.88 |
| 7/7/2004 | 16.99 | 8/7/2004 | 17.14 | 9/7/2004 | 16.86 | 10/7/2004 | 17.22 | 11/7/2004 | 16.89 | 12/7/2004 | 16.66 |
| 7/8/2004 | 17.07 | 8/8/2004 | 17.18 | 9/8/2004 | 16.69 | 10/8/2004 | 17.10 | 11/8/2004 | 17.25 | 12/8/2004 | 17.13 |
| 7/9/2004 | 17.16 | 8/9/2004 | 17.17 | 9/9/2004 | 16.95 | 10/9/2004 | 16.97 | 11/9/2004 | 17.40 | 12/9/2004 | 16.93 |
| 7/10/2004 | 17.20 | 8/10/2004 | 17.03 | 9/10/2004 | 17.16 | 10/10/2004 | 16.97 | 11/10/2004 | 17.28 | 12/10/2004 | 16.55 |
| 7/11/2004 | 17.20 | 8/11/2004 | 16.99 | 9/11/2004 | 17.12 | 10/11/2004 | 16.95 | 11/11/2004 | 17.12 | 12/11/2004 | 16.68 |
| 7/12/2004 | 17.07 | 8/12/2004 | 17.00 | 9/12/2004 | 17.08 | 10/12/2004 | 16.77 | 11/12/2004 | 16.97 | 12/12/2004 | 16.94 |
| 7/13/2004 | 17.01 | 8/13/2004 | 17.05 | 9/13/2004 | 17.10 | 10/13/2004 | 16.45 | 11/13/2004 | 17.33 | 12/13/2004 | 16.89 |
| 7/14/2004 | 16.86 | 8/14/2004 | 17.18 | 9/14/2004 | 17.08 | 10/14/2004 | 16.54 | 11/14/2004 | 17.52 | 12/14/2004 | 17.35 |
| 7/15/2004 | 16.96 | 8/15/2004 | 17.24 | 9/15/2004 | 17.04 | 10/15/2004 | 16.41 | 11/15/2004 | 17.44 | 12/15/2004 | 17.54 |
| 7/16/2004 | 16.99 | 8/16/2004 | 17.24 | 9/16/2004 | 16.94 | 10/16/2004 | 16.61 | 11/16/2004 | 17.30 | 12/16/2004 | 17.38 |
| 7/17/2004 | 16.95 | 8/17/2004 | 17.13 | 9/17/2004 | 16.57 | 10/17/2004 | 16.97 | 11/17/2004 | 17.17 | 12/17/2004 | 17.26 |
| 7/18/2004 | 16.96 | 8/18/2004 | 16.99 | 9/18/2004 | 16.99 | 10/18/2004 | 16.90 | 11/18/2004 | 17.09 | 12/18/2004 | 17.04 |
| 7/19/2004 | 17.00 | 8/19/2004 | 17.01 | 9/19/2004 | 17.20 | 10/19/2004 | 16.77 | 11/19/2004 | 16.95 | 12/19/2004 | 16.84 |
| 7/20/2004 | 17.10 | 8/20/2004 | 17.01 | 9/20/2004 | 17.19 | 10/20/2004 | 16.90 | 11/20/2004 | 16.90 | 12/20/2004 | 17.23 |
| 7/21/2004 | 17.11 | 8/21/2004 | 16.92 | 9/21/2004 | 17.16 | 10/21/2004 | 17.02 | 11/21/2004 | 17.12 | 12/21/2004 | 16.91 |
| 7/22/2004 | 17.06 | 8/22/2004 | 17.04 | 9/22/2004 | 17.15 | 10/22/2004 | 17.07 | 11/22/2004 | 16.99 | 12/22/2004 | 17.04 |
| 7/23/2004 | 17.05 | 8/23/2004 | 16.99 | 9/23/2004 | 17.09 | 10/23/2004 | 16.95 | 11/23/2004 | 16.80 | 12/23/2004 | 16.75 |
| 7/24/2004 | 17.27 | 8/24/2004 | 17.04 | 9/24/2004 | 17.03 | 10/24/2004 | 16.83 | 11/24/2004 | 16.53 | 12/24/2004 | 17.31 |
| 7/25/2004 | 17.22 | 8/25/2004 | 17.08 | 9/25/2004 | 16.97 | 10/25/2004 | 17.01 | 11/25/2004 | 16.73 | 12/25/2004 | 17.17 |
| 7/26/2004 | 17.11 | 8/26/2004 | 17.06 | 9/26/2004 | 17.00 | 10/26/2004 | 17.10 | 11/26/2004 | 17.05 | 12/26/2004 | 17.07 |
| 7/27/2004 | 17.07 | 8/27/2004 | 17.09 | 9/27/2004 | 16.85 | 10/27/2004 | 17.01 | 11/27/2004 | 16.88 | 12/27/2004 | 17.53 |
| 7/28/2004 | 17.14 | 8/28/2004 | 16.99 | 9/28/2004 | 16.69 | 10/28/2004 | 17.13 | 11/28/2004 | 16.96 | 12/28/2004 | 17.36 |
| 7/29/2004 | 17.09 | 8/29/2004 | 16.89 | 9/29/2004 | 16.89 | 10/29/2004 | 16.95 | 11/29/2004 | 17.22 | 12/29/2004 | 17.21 |
| 7/30/2004 | 17.05 | 8/30/2004 | 16.96 | 9/30/2004 | 16.97 | 10/30/2004 | 16.78 | 11/30/2004 | 17.06 | 12/30/2004 | 17.24 |
| 7/31/2004 | 17.04 | 8/31/2004 | 17.13 | | | 10/31/2004 | 16.96 | | | 12/31/2004 | 17.14 |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

UE-11

| JANUARY | | FEBRUARY | | MARCH | | APRIL | | MAY | | JUNE | |
|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|
| DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) |
| 1/1/2004 | 17.74 | 2/1/2004 | 17.63 | 3/1/2004 | 17.72 | 4/1/2004 | 17.47 | 5/1/2004 | 17.56 | 6/1/2004 | 17.42 |
| 1/2/2004 | 17.69 | 2/2/2004 | 17.67 | 3/2/2004 | 17.68 | 4/2/2004 | 17.43 | 5/2/2004 | 17.47 | 6/2/2004 | 17.45 |
| 1/3/2004 | 17.62 | 2/3/2004 | 17.60 | 3/3/2004 | 17.72 | 4/3/2004 | 17.42 | 5/3/2004 | 17.51 | 6/3/2004 | 17.52 |
| 1/4/2004 | 17.55 | 2/4/2004 | 17.70 | 3/4/2004 | 17.70 | 4/4/2004 | 17.40 | 5/4/2004 | 17.55 | 6/4/2004 | 17.58 |
| 1/5/2004 | 17.49 | 2/5/2004 | 17.75 | 3/5/2004 | 17.62 | 4/5/2004 | 17.47 | 5/5/2004 | 17.52 | 6/5/2004 | 17.60 |
| 1/6/2004 | 17.60 | 2/6/2004 | 17.63 | 3/6/2004 | 17.53 | 4/6/2004 | 17.51 | 5/6/2004 | 17.53 | 6/6/2004 | 17.61 |
| 1/7/2004 | 17.72 | 2/7/2004 | 17.59 | 3/7/2004 | 17.56 | 4/7/2004 | 17.46 | 5/7/2004 | 17.55 | 6/7/2004 | 17.63 |
| 1/8/2004 | 17.74 | 2/8/2004 | 17.70 | 3/8/2004 | 17.55 | 4/8/2004 | 17.38 | 5/8/2004 | 17.58 | 6/8/2004 | 17.66 |
| 1/9/2004 | 17.69 | 2/9/2004 | 17.73 | 3/9/2004 | 17.53 | 4/9/2004 | 17.40 | 5/9/2004 | 17.58 | 6/9/2004 | 17.69 |
| 1/10/2004 | 17.73 | 2/10/2004 | 17.71 | 3/10/2004 | 17.60 | 4/10/2004 | 17.44 | 5/10/2004 | 17.58 | 6/10/2004 | 17.67 |
| 1/11/2004 | 17.75 | 2/11/2004 | 17.69 | 3/11/2004 | 17.62 | 4/11/2004 | 17.45 | 5/11/2004 | 17.59 | 6/11/2004 | 17.63 |
| 1/12/2004 | 17.68 | 2/12/2004 | 17.68 | 3/12/2004 | 17.61 | 4/12/2004 | 17.45 | 5/12/2004 | 17.60 | 6/12/2004 | 17.61 |
| 1/13/2004 | 17.67 | 2/13/2004 | 17.69 | 3/13/2004 | 17.68 | 4/13/2004 | 17.39 | 5/13/2004 | 17.60 | 6/13/2004 | 17.62 |
| 1/14/2004 | 17.64 | 2/14/2004 | 17.67 | 3/14/2004 | 17.68 | 4/14/2004 | 17.40 | 5/14/2004 | 17.60 | 6/14/2004 | 17.61 |
| 1/15/2004 | 17.55 | 2/15/2004 | 17.61 | 3/15/2004 | 17.69 | 4/15/2004 | 17.50 | 5/15/2004 | 17.60 | 6/15/2004 | 17.61 |
| 1/16/2004 | 17.59 | 2/16/2004 | 17.68 | 3/16/2004 | 17.58 | 4/16/2004 | 17.56 | 5/16/2004 | 17.64 | 6/16/2004 | 17.63 |
| 1/17/2004 | 17.58 | 2/17/2004 | 17.72 | 3/17/2004 | 17.56 | 4/17/2004 | 17.60 | 5/17/2004 | 17.67 | 6/17/2004 | 17.64 |
| 1/18/2004 | 17.44 | 2/18/2004 | 17.75 | 3/18/2004 | 17.54 | 4/18/2004 | 17.65 | 5/18/2004 | 17.66 | 6/18/2004 | 17.63 |
| 1/19/2004 | 17.46 | 2/19/2004 | 17.69 | 3/19/2004 | 17.60 | 4/19/2004 | 17.66 | 5/19/2004 | 17.65 | 6/19/2004 | 17.63 |
| 1/20/2004 | 17.53 | 2/20/2004 | 17.56 | 3/20/2004 | 17.63 | 4/20/2004 | 17.64 | 5/20/2004 | 17.64 | 6/20/2004 | 17.65 |
| 1/21/2004 | 17.59 | 2/21/2004 | 17.47 | 3/21/2004 | 17.62 | 4/21/2004 | 17.56 | 5/21/2004 | 17.63 | 6/21/2004 | 17.62 |
| 1/22/2004 | 17.55 | 2/22/2004 | 17.56 | 3/22/2004 | 17.67 | 4/22/2004 | 17.54 | 5/22/2004 | 17.60 | 6/22/2004 | 17.56 |
| 1/23/2004 | 17.59 | 2/23/2004 | 17.60 | 3/23/2004 | 17.73 | 4/23/2004 | 17.55 | 5/23/2004 | 17.56 | 6/23/2004 | 17.57 |
| 1/24/2004 | 17.50 | 2/24/2004 | 17.57 | 3/24/2004 | 17.75 | 4/24/2004 | 17.59 | 5/24/2004 | 17.52 | 6/24/2004 | 17.59 |
| 1/25/2004 | 17.55 | 2/25/2004 | 17.61 | 3/25/2004 | 17.76 | 4/25/2004 | 17.56 | 5/25/2004 | 17.51 | 6/25/2004 | 17.60 |
| 1/26/2004 | 17.45 | 2/26/2004 | 17.63 | 3/26/2004 | 17.77 | 4/26/2004 | 17.55 | 5/26/2004 | 17.48 | 6/26/2004 | 17.60 |
| 1/27/2004 | 17.39 | 2/27/2004 | 17.66 | 3/27/2004 | 17.75 | 4/27/2004 | 17.51 | 5/27/2004 | 17.45 | 6/27/2004 | 17.64 |
| 1/28/2004 | 17.49 | 2/28/2004 | 17.73 | 3/28/2004 | 17.72 | 4/28/2004 | 17.55 | 5/28/2004 | 17.42 | 6/28/2004 | 17.64 |
| 1/29/2004 | 17.55 | | | 3/29/2004 | 17.66 | 4/29/2004 | 17.58 | 5/29/2004 | 17.47 | 6/29/2004 | 17.66 |
| 1/30/2004 | 17.52 | | | 3/30/2004 | 17.60 | 4/30/2004 | 17.59 | 5/30/2004 | 17.48 | 6/30/2004 | 17.67 |
| 1/31/2004 | 17.53 | | | 3/31/2004 | 17.52 | | | 5/31/2004 | 17.42 | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

UE-11 (Continued)

| JULY | | AUGUST | | SEPTEMBER | | OCTOBER | | NOVEMBER | | DECEMBER | |
|-----------|--------------------|-----------|--------------------|-----------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|
| DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) |
| 7/1/2004 | 17.67 | 8/1/2004 | 17.56 | 9/1/2004 | 17.54 | 10/1/2004 | 17.41 | 11/1/2004 | 17.48 | 12/1/2004 | 17.45 |
| 7/2/2004 | 17.65 | 8/2/2004 | 17.56 | 9/2/2004 | 17.55 | 10/2/2004 | 17.42 | 11/2/2004 | 17.47 | 12/2/2004 | 17.51 |
| 7/3/2004 | 17.62 | 8/3/2004 | 17.53 | 9/3/2004 | 17.55 | 10/3/2004 | 17.47 | 11/3/2004 | 17.51 | 12/3/2004 | 17.50 |
| 7/4/2004 | 17.57 | 8/4/2004 | 17.50 | 9/4/2004 | 17.55 | 10/4/2004 | 17.46 | 11/4/2004 | 17.45 | 12/4/2004 | 17.49 |
| 7/5/2004 | 17.56 | 8/5/2004 | 17.46 | 9/5/2004 | 17.55 | 10/5/2004 | 17.50 | 11/5/2004 | 17.49 | 12/5/2004 | 17.51 |
| 7/6/2004 | 17.58 | 8/6/2004 | 17.50 | 9/6/2004 | 17.52 | 10/6/2004 | 17.55 | 11/6/2004 | 17.49 | 12/6/2004 | 17.48 |
| 7/7/2004 | 17.55 | 8/7/2004 | 17.53 | 9/7/2004 | 17.47 | 10/7/2004 | 17.60 | 11/7/2004 | 17.46 | 12/7/2004 | 17.42 |
| 7/8/2004 | 17.55 | 8/8/2004 | 17.56 | 9/8/2004 | 17.43 | 10/8/2004 | 17.59 | 11/8/2004 | 17.53 | 12/8/2004 | 17.45 |
| 7/9/2004 | 17.57 | 8/9/2004 | 17.58 | 9/9/2004 | 17.42 | 10/9/2004 | 17.55 | 11/9/2004 | 17.63 | 12/9/2004 | 17.46 |
| 7/10/2004 | 17.60 | 8/10/2004 | 17.56 | 9/10/2004 | 17.48 | 10/10/2004 | 17.53 | 11/10/2004 | 17.68 | 12/10/2004 | 17.34 |
| 7/11/2004 | 17.63 | 8/11/2004 | 17.53 | 9/11/2004 | 17.51 | 10/11/2004 | 17.50 | 11/11/2004 | 17.66 | 12/11/2004 | 17.29 |
| 7/12/2004 | 17.61 | 8/12/2004 | 17.52 | 9/12/2004 | 17.52 | 10/12/2004 | 17.45 | 11/12/2004 | 17.61 | 12/12/2004 | 17.34 |
| 7/13/2004 | 17.58 | 8/13/2004 | 17.51 | 9/13/2004 | 17.53 | 10/13/2004 | 17.32 | 11/13/2004 | 17.67 | 12/13/2004 | 17.33 |
| 7/14/2004 | 17.52 | 8/14/2004 | 17.56 | 9/14/2004 | 17.53 | 10/14/2004 | 17.25 | 11/14/2004 | 17.77 | 12/14/2004 | 17.48 |
| 7/15/2004 | 17.49 | 8/15/2004 | 17.59 | 9/15/2004 | 17.52 | 10/15/2004 | 17.16 | 11/15/2004 | 17.82 | 12/15/2004 | 17.63 |
| 7/16/2004 | 17.49 | 8/16/2004 | 17.62 | 9/16/2004 | 17.49 | 10/16/2004 | 17.15 | 11/16/2004 | 17.81 | 12/16/2004 | 17.70 |
| 7/17/2004 | 17.48 | 8/17/2004 | 17.62 | 9/17/2004 | 17.40 | 10/17/2004 | 17.25 | 11/17/2004 | 17.77 | 12/17/2004 | 17.70 |
| 7/18/2004 | 17.47 | 8/18/2004 | 17.57 | 9/18/2004 | 17.42 | 10/18/2004 | 17.30 | 11/18/2004 | 17.73 | 12/18/2004 | 17.66 |
| 7/19/2004 | 17.47 | 8/19/2004 | 17.54 | 9/19/2004 | 17.49 | 10/19/2004 | 17.28 | 11/19/2004 | 17.66 | 12/19/2004 | 17.57 |
| 7/20/2004 | 17.50 | 8/20/2004 | 17.53 | 9/20/2004 | 17.54 | 10/20/2004 | 17.31 | 11/20/2004 | 17.59 | 12/20/2004 | 17.63 |
| 7/21/2004 | 17.52 | 8/21/2004 | 17.49 | 9/21/2004 | 17.55 | 10/21/2004 | 17.37 | 11/21/2004 | 17.60 | 12/21/2004 | 17.55 |
| 7/22/2004 | 17.53 | 8/22/2004 | 17.51 | 9/22/2004 | 17.57 | 10/22/2004 | 17.43 | 11/22/2004 | 17.58 | 12/22/2004 | 17.55 |
| 7/23/2004 | 17.52 | 8/23/2004 | 17.49 | 9/23/2004 | 17.57 | 10/23/2004 | 17.44 | 11/23/2004 | 17.51 | 12/23/2004 | 17.46 |
| 7/24/2004 | 17.58 | 8/24/2004 | 17.50 | 9/24/2004 | 17.55 | 10/24/2004 | 17.40 | 11/24/2004 | 17.40 | 12/24/2004 | 17.59 |
| 7/25/2004 | 17.61 | 8/25/2004 | 17.51 | 9/25/2004 | 17.52 | 10/25/2004 | 17.43 | 11/25/2004 | 17.33 | 12/25/2004 | 17.61 |
| 7/26/2004 | 17.61 | 8/26/2004 | 17.52 | 9/26/2004 | 17.51 | 10/26/2004 | 17.48 | 11/26/2004 | 17.41 | 12/26/2004 | 17.61 |
| 7/27/2004 | 17.59 | 8/27/2004 | 17.53 | 9/27/2004 | 17.46 | 10/27/2004 | 17.49 | 11/27/2004 | 17.41 | 12/27/2004 | 17.72 |
| 7/28/2004 | 17.60 | 8/28/2004 | 17.52 | 9/28/2004 | 17.38 | 10/28/2004 | 17.53 | 11/28/2004 | 17.39 | 12/28/2004 | 17.77 |
| 7/29/2004 | 17.59 | 8/29/2004 | 17.47 | 9/29/2004 | 17.38 | 10/29/2004 | 17.52 | 11/29/2004 | 17.49 | 12/29/2004 | 17.75 |
| 7/30/2004 | 17.57 | 8/30/2004 | 17.46 | 9/30/2004 | 17.40 | 10/30/2004 | 17.46 | 11/30/2004 | 17.51 | 12/30/2004 | 17.74 |
| 7/31/2004 | 17.55 | 8/31/2004 | 17.50 | | | 10/31/2004 | 17.45 | | | 12/31/2004 | 17.72 |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

UF-1

| JANUARY | | FEBRUARY | | MARCH | | APRIL | | MAY | | JUNE | |
|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|
| DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) |
| 1/1/2004 | 17.54 | 2/1/2004 | 17.51 | 3/1/2004 | 17.58 | 4/1/2004 | 17.43 | 5/1/2004 | 17.65 | 6/1/2004 | 17.47 |
| 1/2/2004 | 17.47 | 2/2/2004 | 17.55 | 3/2/2004 | 17.50 | 4/2/2004 | 17.41 | 5/2/2004 | 17.48 | 6/2/2004 | 17.51 |
| 1/3/2004 | 17.35 | 2/3/2004 | 17.45 | 3/3/2004 | 17.52 | 4/3/2004 | 17.43 | 5/3/2004 | 17.61 | 6/3/2004 | 17.61 |
| 1/4/2004 | 17.26 | 2/4/2004 | 17.50 | 3/4/2004 | 17.45 | 4/4/2004 | 17.40 | 5/4/2004 | 17.70 | 6/4/2004 | 17.69 |
| 1/5/2004 | 17.19 | 2/5/2004 | 17.52 | 3/5/2004 | 17.32 | 4/5/2004 | 17.52 | 5/5/2004 | 17.64 | 6/5/2004 | 17.72 |
| 1/6/2004 | 17.39 | 2/6/2004 | 17.35 | 3/6/2004 | 17.20 | 4/6/2004 | 17.60 | 5/6/2004 | 17.67 | 6/6/2004 | 17.71 |
| 1/7/2004 | 17.58 | 2/7/2004 | 17.24 | 3/7/2004 | 17.23 | 4/7/2004 | 17.50 | 5/7/2004 | 17.72 | 6/7/2004 | 17.72 |
| 1/8/2004 | 17.60 | 2/8/2004 | 17.39 | 3/8/2004 | 17.23 | 4/8/2004 | 17.34 | 5/8/2004 | 17.76 | 6/8/2004 | 17.76 |
| 1/9/2004 | 17.49 | 2/9/2004 | 17.49 | 3/9/2004 | 17.24 | 4/9/2004 | 17.39 | 5/9/2004 | 17.76 | 6/9/2004 | 17.79 |
| 1/10/2004 | 17.55 | 2/10/2004 | 17.44 | 3/10/2004 | 17.33 | 4/10/2004 | 17.50 | 5/10/2004 | 18.01 | 6/10/2004 | 17.76 |
| 1/11/2004 | 17.61 | 2/11/2004 | 17.39 | 3/11/2004 | 17.39 | 4/11/2004 | 17.53 | 5/11/2004 | 18.15 | 6/11/2004 | 17.69 |
| 1/12/2004 | 17.49 | 2/12/2004 | 17.37 | 3/12/2004 | 17.37 | 4/12/2004 | 17.54 | 5/12/2004 | 18.12 | 6/12/2004 | 17.64 |
| 1/13/2004 | 17.49 | 2/13/2004 | 17.40 | 3/13/2004 | 17.46 | 4/13/2004 | 17.43 | 5/13/2004 | 18.03 | 6/13/2004 | 17.65 |
| 1/14/2004 | 17.47 | 2/14/2004 | 17.38 | 3/14/2004 | 17.50 | 4/14/2004 | 17.45 | 5/14/2004 | 17.90 | 6/14/2004 | 17.64 |
| 1/15/2004 | 17.31 | 2/15/2004 | 17.30 | 3/15/2004 | 17.51 | 4/15/2004 | 17.63 | 5/15/2004 | 17.81 | 6/15/2004 | 17.65 |
| 1/16/2004 | 17.43 | 2/16/2004 | 17.38 | 3/16/2004 | 17.43 | 4/16/2004 | 17.73 | 5/16/2004 | 17.80 | 6/16/2004 | 17.68 |
| 1/17/2004 | 17.46 | 2/17/2004 | 17.45 | 3/17/2004 | 17.38 | 4/17/2004 | 17.77 | 5/17/2004 | 17.82 | 6/17/2004 | 17.71 |
| 1/18/2004 | 17.29 | 2/18/2004 | 17.47 | 3/18/2004 | 17.39 | 4/18/2004 | 17.82 | 5/18/2004 | 17.79 | 6/18/2004 | 17.70 |
| 1/19/2004 | 17.27 | 2/19/2004 | 17.39 | 3/19/2004 | 17.45 | 4/19/2004 | 17.81 | 5/19/2004 | 17.73 | 6/19/2004 | 17.69 |
| 1/20/2004 | 17.41 | 2/20/2004 | 17.25 | 3/20/2004 | 17.55 | 4/20/2004 | 17.74 | 5/20/2004 | 17.71 | 6/20/2004 | 17.71 |
| 1/21/2004 | 17.49 | 2/21/2004 | 17.13 | 3/21/2004 | 17.50 | 4/21/2004 | 17.57 | 5/21/2004 | 17.71 | 6/21/2004 | 17.69 |
| 1/22/2004 | 17.41 | 2/22/2004 | 17.24 | 3/22/2004 | 17.57 | 4/22/2004 | 17.58 | 5/22/2004 | 17.68 | 6/22/2004 | 17.59 |
| 1/23/2004 | 17.47 | 2/23/2004 | 17.34 | 3/23/2004 | 17.64 | 4/23/2004 | 17.62 | 5/23/2004 | 17.61 | 6/23/2004 | 17.59 |
| 1/24/2004 | 17.35 | 2/24/2004 | 17.33 | 3/24/2004 | 17.66 | 4/24/2004 | 17.71 | 5/24/2004 | 17.56 | 6/24/2004 | 17.63 |
| 1/25/2004 | 17.43 | 2/25/2004 | 17.39 | 3/25/2004 | 17.66 | 4/25/2004 | 17.64 | 5/25/2004 | 17.56 | 6/25/2004 | 17.66 |
| 1/26/2004 | 17.32 | 2/26/2004 | 17.43 | 3/26/2004 | 17.68 | 4/26/2004 | 17.63 | 5/26/2004 | 17.52 | 6/26/2004 | 17.65 |
| 1/27/2004 | 17.25 | 2/27/2004 | 17.48 | 3/27/2004 | 17.66 | 4/27/2004 | 17.58 | 5/27/2004 | 17.49 | 6/27/2004 | 17.70 |
| 1/28/2004 | 17.39 | 2/28/2004 | 17.57 | 3/28/2004 | 17.63 | 4/28/2004 | 17.66 | 5/28/2004 | 17.44 | 6/28/2004 | 17.72 |
| 1/29/2004 | 17.44 | | | 3/29/2004 | 17.58 | 4/29/2004 | 17.73 | 5/29/2004 | 17.52 | 6/29/2004 | 17.72 |
| 1/30/2004 | 17.39 | | | 3/30/2004 | 17.54 | 4/30/2004 | 17.73 | 5/30/2004 | 17.56 | 6/30/2004 | 17.74 |
| 1/31/2004 | 17.46 | | | 3/31/2004 | 17.47 | | | 5/31/2004 | 17.49 | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

UF-1 (Continued)

| JULY | | AUGUST | | SEPTEMBER | | OCTOBER | | NOVEMBER | | DECEMBER | |
|-----------|--------------------|-----------|--------------------|-----------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|
| DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) |
| 7/1/2004 | 17.73 | 8/1/2004 | 17.61 | 9/1/2004 | 17.64 | 10/1/2004 | 17.51 | 11/1/2004 | 17.58 | 12/1/2004 | 17.55 |
| 7/2/2004 | 17.71 | 8/2/2004 | 17.63 | 9/2/2004 | 17.67 | 10/2/2004 | 17.52 | 11/2/2004 | 17.57 | 12/2/2004 | 17.63 |
| 7/3/2004 | 17.66 | 8/3/2004 | 17.59 | 9/3/2004 | 17.66 | 10/3/2004 | 17.59 | 11/3/2004 | 17.61 | 12/3/2004 | 17.60 |
| 7/4/2004 | 17.59 | 8/4/2004 | 17.55 | 9/4/2004 | 17.65 | 10/4/2004 | 17.59 | 11/4/2004 | 17.59 | 12/4/2004 | 17.59 |
| 7/5/2004 | 17.56 | 8/5/2004 | 17.50 | 9/5/2004 | 17.64 | 10/5/2004 | 17.62 | 11/5/2004 | 17.58 | 12/5/2004 | 17.60 |
| 7/6/2004 | 17.60 | 8/6/2004 | 17.54 | 9/6/2004 | 17.61 | 10/6/2004 | 17.69 | 11/6/2004 | 17.61 | 12/6/2004 | 17.59 |
| 7/7/2004 | 17.60 | 8/7/2004 | 17.61 | 9/7/2004 | 17.54 | 10/7/2004 | 17.75 | 11/7/2004 | 17.57 | 12/7/2004 | 17.51 |
| 7/8/2004 | 17.58 | 8/8/2004 | 17.65 | 9/8/2004 | 17.47 | 10/8/2004 | 17.75 | 11/8/2004 | 17.62 | 12/8/2004 | 17.50 |
| 7/9/2004 | 17.61 | 8/9/2004 | 17.69 | 9/9/2004 | 17.43 | 10/9/2004 | 17.68 | 11/9/2004 | 17.79 | 12/9/2004 | 17.54 |
| 7/10/2004 | 17.67 | 8/10/2004 | 17.67 | 9/10/2004 | 17.53 | 10/10/2004 | 17.63 | 11/10/2004 | 17.87 | 12/10/2004 | 17.40 |
| 7/11/2004 | 17.70 | 8/11/2004 | 17.60 | 9/11/2004 | 17.61 | 10/11/2004 | 17.59 | 11/11/2004 | 17.84 | 12/11/2004 | 17.31 |
| 7/12/2004 | 17.69 | 8/12/2004 | 17.58 | 9/12/2004 | 17.63 | 10/12/2004 | 17.53 | 11/12/2004 | 17.75 | 12/12/2004 | 17.37 |
| 7/13/2004 | 17.64 | 8/13/2004 | 17.57 | 9/13/2004 | 17.65 | 10/13/2004 | 17.38 | 11/13/2004 | 17.78 | 12/13/2004 | 17.35 |
| 7/14/2004 | 17.56 | 8/14/2004 | 17.63 | 9/14/2004 | 17.65 | 10/14/2004 | 17.28 | 11/14/2004 | 17.92 | 12/14/2004 | 17.56 |
| 7/15/2004 | 17.52 | 8/15/2004 | 17.69 | 9/15/2004 | 17.63 | 10/15/2004 | 17.19 | 11/15/2004 | 18.00 | 12/15/2004 | 17.78 |
| 7/16/2004 | 17.52 | 8/16/2004 | 17.74 | 9/16/2004 | 17.59 | 10/16/2004 | 17.19 | 11/16/2004 | 17.99 | 12/16/2004 | 17.84 |
| 7/17/2004 | 17.51 | 8/17/2004 | 17.74 | 9/17/2004 | 17.48 | 10/17/2004 | 17.31 | 11/17/2004 | 17.93 | 12/17/2004 | 17.82 |
| 7/18/2004 | 17.50 | 8/18/2004 | 17.67 | 9/18/2004 | 17.47 | 10/18/2004 | 17.41 | 11/18/2004 | 17.86 | 12/18/2004 | 17.78 |
| 7/19/2004 | 17.51 | 8/19/2004 | 17.60 | 9/19/2004 | 17.57 | 10/19/2004 | 17.40 | 11/19/2004 | 17.78 | 12/19/2004 | 17.67 |
| 7/20/2004 | 17.54 | 8/20/2004 | 17.59 | 9/20/2004 | 17.66 | 10/20/2004 | 17.42 | 11/20/2004 | 17.67 | 12/20/2004 | 17.69 |
| 7/21/2004 | 17.59 | 8/21/2004 | 17.54 | 9/21/2004 | 17.69 | 10/21/2004 | 17.48 | 11/21/2004 | 17.66 | 12/21/2004 | 17.63 |
| 7/22/2004 | 17.60 | 8/22/2004 | 17.56 | 9/22/2004 | 17.71 | 10/22/2004 | 17.55 | 11/22/2004 | 17.67 | 12/22/2004 | 17.62 |
| 7/23/2004 | 17.58 | 8/23/2004 | 17.56 | 9/23/2004 | 17.70 | 10/23/2004 | 17.56 | 11/23/2004 | 17.59 | 12/23/2004 | 17.53 |
| 7/24/2004 | 17.64 | 8/24/2004 | 17.57 | 9/24/2004 | 17.68 | 10/24/2004 | 17.52 | 11/24/2004 | 17.47 | 12/24/2004 | 17.66 |
| 7/25/2004 | 17.72 | 8/25/2004 | 17.59 | 9/25/2004 | 17.63 | 10/25/2004 | 17.53 | 11/25/2004 | 17.31 | 12/25/2004 | 17.73 |
| 7/26/2004 | 17.71 | 8/26/2004 | 17.61 | 9/26/2004 | 17.61 | 10/26/2004 | 17.59 | 11/26/2004 | 17.43 | 12/26/2004 | 17.71 |
| 7/27/2004 | 17.67 | 8/27/2004 | 17.63 | 9/27/2004 | 17.56 | 10/27/2004 | 17.63 | 11/27/2004 | 17.49 | 12/27/2004 | 17.81 |
| 7/28/2004 | 17.66 | 8/28/2004 | 17.62 | 9/28/2004 | 17.46 | 10/28/2004 | 17.67 | 11/28/2004 | 17.45 | 12/28/2004 | 17.90 |
| 7/29/2004 | 17.67 | 8/29/2004 | 17.55 | 9/29/2004 | 17.44 | 10/29/2004 | 17.66 | 11/29/2004 | 17.58 | 12/29/2004 | 17.87 |
| 7/30/2004 | 17.63 | 8/30/2004 | 17.52 | 9/30/2004 | 17.47 | 10/30/2004 | 17.58 | 11/30/2004 | 17.64 | 12/30/2004 | 17.85 |
| 7/31/2004 | 17.60 | 8/31/2004 | 17.57 | | | 10/31/2004 | 17.53 | | | 12/31/2004 | 17.81 |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

UF-2

| JANUARY | | FEBRUARY | | MARCH | | APRIL | | MAY | | JUNE | |
|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|
| DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) |
| 1/1/2004 | 13.62 | 2/1/2004 | 13.57 | 3/1/2004 | 13.40 | 4/1/2004 | 13.08 | 5/1/2004 | 13.23 | 6/1/2004 | 13.16 |
| 1/2/2004 | 13.35 | 2/2/2004 | 13.50 | 3/2/2004 | 13.35 | 4/2/2004 | 13.08 | 5/2/2004 | 12.98 | 6/2/2004 | 13.28 |
| 1/3/2004 | 13.20 | 2/3/2004 | 13.18 | 3/3/2004 | 13.59 | 4/3/2004 | 13.13 | 5/3/2004 | 13.31 | 6/3/2004 | 13.49 |
| 1/4/2004 | 13.12 | 2/4/2004 | 13.72 | 3/4/2004 | 13.40 | 4/4/2004 | 13.19 | 5/4/2004 | 13.42 | 6/4/2004 | 13.46 |
| 1/5/2004 | 13.18 | 2/5/2004 | 13.62 | 3/5/2004 | 13.13 | 4/5/2004 | 13.41 | 5/5/2004 | 13.23 | 6/5/2004 | 13.42 |
| 1/6/2004 | 13.61 | 2/6/2004 | 13.13 | 3/6/2004 | 13.08 | 4/6/2004 | 13.39 | 5/6/2004 | 13.32 | 6/6/2004 | 13.37 |
| 1/7/2004 | 13.77 | 2/7/2004 | 13.26 | 3/7/2004 | 13.31 | 4/7/2004 | 13.13 | 5/7/2004 | 13.38 | 6/7/2004 | 13.44 |
| 1/8/2004 | 13.56 | 2/8/2004 | 13.80 | 3/8/2004 | 13.36 | 4/8/2004 | 12.92 | 5/8/2004 | 13.42 | 6/8/2004 | 13.52 |
| 1/9/2004 | 13.35 | 2/9/2004 | 13.57 | 3/9/2004 | 13.22 | 4/9/2004 | 13.27 | 5/9/2004 | 13.36 | 6/9/2004 | 13.50 |
| 1/10/2004 | 13.61 | 2/10/2004 | 13.43 | 3/10/2004 | 13.58 | 4/10/2004 | 13.32 | 5/10/2004 | 13.36 | 6/10/2004 | 13.38 |
| 1/11/2004 | 13.56 | 2/11/2004 | 13.45 | 3/11/2004 | 13.41 | 4/11/2004 | 13.27 | 5/11/2004 | 13.40 | 6/11/2004 | 13.22 |
| 1/12/2004 | 13.32 | 2/12/2004 | 13.41 | 3/12/2004 | 13.44 | 4/12/2004 | 13.19 | 5/12/2004 | 13.40 | 6/12/2004 | 13.32 |
| 1/13/2004 | 13.40 | 2/13/2004 | 13.53 | 3/13/2004 | 13.68 | 4/13/2004 | 12.98 | 5/13/2004 | 13.37 | 6/13/2004 | 13.36 |
| 1/14/2004 | 13.30 | 2/14/2004 | 13.36 | 3/14/2004 | 13.46 | 4/14/2004 | 13.31 | 5/14/2004 | 13.35 | 6/14/2004 | 13.35 |
| 1/15/2004 | 13.27 | 2/15/2004 | 13.29 | 3/15/2004 | 13.53 | 4/15/2004 | 13.54 | 5/15/2004 | 13.37 | 6/15/2004 | 13.36 |
| 1/16/2004 | 0.00 | 2/16/2004 | 13.67 | 3/16/2004 | 13.03 | 4/16/2004 | 13.53 | 5/16/2004 | 13.50 | 6/16/2004 | 13.41 |
| 1/17/2004 | 0.00 | 2/17/2004 | 13.59 | 3/17/2004 | 13.25 | 4/17/2004 | 13.52 | 5/17/2004 | 13.50 | 6/17/2004 | 13.40 |
| 1/18/2004 | 0.00 | 2/18/2004 | 13.62 | 3/18/2004 | 13.29 | 4/18/2004 | 13.60 | 5/18/2004 | 13.42 | 6/18/2004 | 13.36 |
| 1/19/2004 | 0.00 | 2/19/2004 | 13.31 | 3/19/2004 | 13.60 | 4/19/2004 | 13.48 | 5/19/2004 | 13.35 | 6/19/2004 | 13.35 |
| 1/20/2004 | 13.47 | 2/20/2004 | 12.98 | 3/20/2004 | 13.45 | 4/20/2004 | 13.34 | 5/20/2004 | 13.37 | 6/20/2004 | 13.44 |
| 1/21/2004 | 13.22 | 2/21/2004 | 13.09 | 3/21/2004 | 13.46 | 4/21/2004 | 13.11 | 5/21/2004 | 13.36 | 6/21/2004 | 13.27 |
| 1/22/2004 | 13.22 | 2/22/2004 | 13.52 | 3/22/2004 | 13.60 | 4/22/2004 | 13.28 | 5/22/2004 | 13.27 | 6/22/2004 | 13.15 |
| 1/23/2004 | 13.48 | 2/23/2004 | 13.47 | 3/23/2004 | 13.67 | 4/23/2004 | 13.32 | 5/23/2004 | 13.20 | 6/23/2004 | 13.33 |
| 1/24/2004 | 13.10 | 2/24/2004 | 13.28 | 3/24/2004 | 13.59 | 4/24/2004 | 13.49 | 5/24/2004 | 13.17 | 6/24/2004 | 13.37 |
| 1/25/2004 | 13.34 | 2/25/2004 | 13.51 | 3/25/2004 | 13.62 | 4/25/2004 | 13.22 | 5/25/2004 | 13.20 | 6/25/2004 | 13.34 |
| 1/26/2004 | 13.05 | 2/26/2004 | 13.43 | 3/26/2004 | 13.57 | 4/26/2004 | 13.30 | 5/26/2004 | 13.15 | 6/26/2004 | 13.38 |
| 1/27/2004 | 12.99 | 2/27/2004 | 13.54 | 3/27/2004 | 13.50 | 4/27/2004 | 13.17 | 5/27/2004 | 13.11 | 6/27/2004 | 13.49 |
| 1/28/2004 | 13.52 | 2/28/2004 | 13.68 | 3/28/2004 | 13.41 | 4/28/2004 | 13.43 | 5/28/2004 | 13.10 | 6/28/2004 | 13.40 |
| 1/29/2004 | 13.43 | | | 3/29/2004 | 13.30 | 4/29/2004 | 13.50 | 5/29/2004 | 13.34 | 6/29/2004 | 13.44 |
| 1/30/2004 | 13.30 | | | 3/30/2004 | 13.22 | 4/30/2004 | 13.36 | 5/30/2004 | 13.24 | 6/30/2004 | 13.45 |
| 1/31/2004 | 13.50 | | | 3/31/2004 | 13.08 | | | 5/31/2004 | 13.01 | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

UF-2 (Continued)

| JULY | | AUGUST | | SEPTEMBER | | OCTOBER | | NOVEMBER | | DECEMBER | |
|-----------|--------------------|-----------|--------------------|-----------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|
| DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) |
| 7/1/2004 | 13.39 | 8/1/2004 | 13.34 | 9/1/2004 | 13.41 | 10/1/2004 | 13.20 | 11/1/2004 | 13.28 | 12/1/2004 | 13.22 |
| 7/2/2004 | 13.35 | 8/2/2004 | 13.30 | 9/2/2004 | 13.31 | 10/2/2004 | 13.20 | 11/2/2004 | 13.16 | 12/2/2004 | 13.35 |
| 7/3/2004 | 13.23 | 8/3/2004 | 13.20 | 9/3/2004 | 13.29 | 10/3/2004 | 13.34 | 11/3/2004 | 13.39 | 12/3/2004 | 13.25 |
| 7/4/2004 | 13.14 | 8/4/2004 | 13.14 | 9/4/2004 | 13.31 | 10/4/2004 | 13.21 | 11/4/2004 | 12.93 | 12/4/2004 | 13.20 |
| 7/5/2004 | 13.26 | 8/5/2004 | 13.12 | 9/5/2004 | 13.28 | 10/5/2004 | 13.39 | 11/5/2004 | 13.33 | 12/5/2004 | 13.35 |
| 7/6/2004 | 13.35 | 8/6/2004 | 13.33 | 9/6/2004 | 13.18 | 10/6/2004 | 13.44 | 11/6/2004 | 13.22 | 12/6/2004 | 13.11 |
| 7/7/2004 | 13.20 | 8/7/2004 | 13.36 | 9/7/2004 | 13.07 | 10/7/2004 | 13.46 | 11/7/2004 | 13.13 | 12/7/2004 | 12.89 |
| 7/8/2004 | 13.28 | 8/8/2004 | 13.40 | 9/8/2004 | 12.90 | 10/8/2004 | 13.34 | 11/8/2004 | 13.49 | 12/8/2004 | 13.37 |
| 7/9/2004 | 13.38 | 8/9/2004 | 13.40 | 9/9/2004 | 13.16 | 10/9/2004 | 13.20 | 11/9/2004 | 13.66 | 12/9/2004 | 13.17 |
| 7/10/2004 | 13.42 | 8/10/2004 | 13.25 | 9/10/2004 | 13.39 | 10/10/2004 | 13.20 | 11/10/2004 | 13.53 | 12/10/2004 | 12.77 |
| 7/11/2004 | 13.42 | 8/11/2004 | 13.19 | 9/11/2004 | 13.36 | 10/11/2004 | 13.18 | 11/11/2004 | 13.35 | 12/11/2004 | 12.90 |
| 7/12/2004 | 13.29 | 8/12/2004 | 13.21 | 9/12/2004 | 13.31 | 10/12/2004 | 12.99 | 11/12/2004 | 13.20 | 12/12/2004 | 13.17 |
| 7/13/2004 | 13.22 | 8/13/2004 | 13.27 | 9/13/2004 | 13.33 | 10/13/2004 | 12.66 | 11/13/2004 | 13.58 | 12/13/2004 | 13.12 |
| 7/14/2004 | 13.06 | 8/14/2004 | 13.40 | 9/14/2004 | 13.30 | 10/14/2004 | 12.75 | 11/14/2004 | 13.79 | 12/14/2004 | 13.63 |
| 7/15/2004 | 13.16 | 8/15/2004 | 13.46 | 9/15/2004 | 13.27 | 10/15/2004 | 12.62 | 11/15/2004 | 13.70 | 12/15/2004 | 13.82 |
| 7/16/2004 | 13.21 | 8/16/2004 | 13.47 | 9/16/2004 | 13.16 | 10/16/2004 | 12.83 | 11/16/2004 | 13.55 | 12/16/2004 | 13.63 |
| 7/17/2004 | 13.15 | 8/17/2004 | 13.35 | 9/17/2004 | 12.78 | 10/17/2004 | 13.20 | 11/17/2004 | 13.41 | 12/17/2004 | 13.50 |
| 7/18/2004 | 13.16 | 8/18/2004 | 13.20 | 9/18/2004 | 13.21 | 10/18/2004 | 13.14 | 11/18/2004 | 13.33 | 12/18/2004 | 13.28 |
| 7/19/2004 | 13.21 | 8/19/2004 | 13.22 | 9/19/2004 | 13.44 | 10/19/2004 | 13.00 | 11/19/2004 | 13.18 | 12/19/2004 | 13.07 |
| 7/20/2004 | 13.31 | 8/20/2004 | 13.23 | 9/20/2004 | 13.43 | 10/20/2004 | 13.13 | 11/20/2004 | 13.12 | 12/20/2004 | 13.48 |
| 7/21/2004 | 13.34 | 8/21/2004 | 13.13 | 9/21/2004 | 13.39 | 10/21/2004 | 13.26 | 11/21/2004 | 13.36 | 12/21/2004 | 13.13 |
| 7/22/2004 | 13.26 | 8/22/2004 | 13.27 | 9/22/2004 | 13.38 | 10/22/2004 | 13.32 | 11/22/2004 | 13.24 | 12/22/2004 | 13.27 |
| 7/23/2004 | 13.26 | 8/23/2004 | 13.21 | 9/23/2004 | 13.32 | 10/23/2004 | 13.19 | 11/23/2004 | 13.03 | 12/23/2004 | 12.97 |
| 7/24/2004 | 13.51 | 8/24/2004 | 13.26 | 9/24/2004 | 13.25 | 10/24/2004 | 13.06 | 11/24/2004 | 12.75 | 12/24/2004 | 13.56 |
| 7/25/2004 | 13.46 | 8/25/2004 | 13.30 | 9/25/2004 | 13.19 | 10/25/2004 | 13.25 | 11/25/2004 | 12.92 | 12/25/2004 | 13.42 |
| 7/26/2004 | 13.34 | 8/26/2004 | 13.29 | 9/26/2004 | 13.22 | 10/26/2004 | 13.35 | 11/26/2004 | 13.30 | 12/26/2004 | 13.31 |
| 7/27/2004 | 13.29 | 8/27/2004 | 13.32 | 9/27/2004 | 13.07 | 10/27/2004 | 13.26 | 11/27/2004 | 13.12 | 12/27/2004 | 13.80 |
| 7/28/2004 | 13.36 | 8/28/2004 | 13.22 | 9/28/2004 | 12.90 | 10/28/2004 | 13.38 | 11/28/2004 | 13.19 | 12/28/2004 | 13.62 |
| 7/29/2004 | 13.32 | 8/29/2004 | 13.10 | 9/29/2004 | 13.11 | 10/29/2004 | 13.19 | 11/29/2004 | 13.48 | 12/29/2004 | 13.44 |
| 7/30/2004 | 13.27 | 8/30/2004 | 13.18 | 9/30/2004 | 13.20 | 10/30/2004 | 13.01 | 11/30/2004 | 13.31 | 12/30/2004 | 13.48 |
| 7/31/2004 | 13.25 | 8/31/2004 | 13.36 | | | 10/31/2004 | 13.19 | | | 12/31/2004 | 13.38 |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

UF-5

| JANUARY | | FEBRUARY | | MARCH | | APRIL | | MAY | | JUNE | |
|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|
| DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) |
| 1/1/2004 | 8.16 | 2/1/2004 | 13.27 | 3/1/2004 | 17.31 | 4/1/2004 | 8.35 | 5/1/2004 | 15.27 | 6/1/2004 | 7.29 |
| 1/2/2004 | 6.44 | 2/2/2004 | 14.35 | 3/2/2004 | 15.80 | 4/2/2004 | 9.25 | 5/2/2004 | 15.88 | 6/2/2004 | 7.30 |
| 1/3/2004 | 7.18 | 2/3/2004 | 12.18 | 3/3/2004 | 13.55 | 4/3/2004 | 8.83 | 5/3/2004 | 9.78 | 6/3/2004 | 7.97 |
| 1/4/2004 | 7.31 | 2/4/2004 | 10.03 | 3/4/2004 | 10.39 | 4/4/2004 | 8.65 | 5/4/2004 | 10.37 | 6/4/2004 | 9.24 |
| 1/5/2004 | 5.84 | 2/5/2004 | 10.17 | 3/5/2004 | 9.77 | 4/5/2004 | 9.82 | 5/5/2004 | 11.61 | 6/5/2004 | 10.21 |
| 1/6/2004 | 6.49 | 2/6/2004 | 7.54 | 3/6/2004 | 6.81 | 4/6/2004 | 11.16 | 5/6/2004 | 12.64 | 6/6/2004 | 11.09 |
| 1/7/2004 | 6.93 | 2/7/2004 | 7.96 | 3/7/2004 | 8.05 | 4/7/2004 | 12.19 | 5/7/2004 | 14.00 | 6/7/2004 | 12.35 |
| 1/8/2004 | 7.81 | 2/8/2004 | 7.94 | 3/8/2004 | 8.84 | 4/8/2004 | 13.18 | 5/8/2004 | 15.21 | 6/8/2004 | 13.66 |
| 1/9/2004 | 8.85 | 2/9/2004 | 7.69 | 3/9/2004 | 10.31 | 4/9/2004 | 14.21 | 5/9/2004 | 16.48 | 6/9/2004 | 14.76 |
| 1/10/2004 | 10.78 | 2/10/2004 | 7.75 | 3/10/2004 | 11.96 | 4/10/2004 | 15.28 | 5/10/2004 | 17.25 | 6/10/2004 | 15.59 |
| 1/11/2004 | 12.02 | 2/11/2004 | 7.99 | 3/11/2004 | 12.91 | 4/11/2004 | 15.65 | 5/11/2004 | 12.72 | 6/11/2004 | 16.25 |
| 1/12/2004 | 12.57 | 2/12/2004 | 8.62 | 3/12/2004 | 13.74 | 4/12/2004 | 16.44 | 5/12/2004 | 13.97 | 6/12/2004 | 11.26 |
| 1/13/2004 | 12.17 | 2/13/2004 | 9.19 | 3/13/2004 | 13.99 | 4/13/2004 | 6.36 | 5/13/2004 | 14.94 | 6/13/2004 | 6.82 |
| 1/14/2004 | 11.48 | 2/14/2004 | 10.09 | 3/14/2004 | 14.27 | 4/14/2004 | 7.40 | 5/14/2004 | 16.07 | 6/14/2004 | 8.43 |
| 1/15/2004 | 11.35 | 2/15/2004 | 11.05 | 3/15/2004 | 14.80 | 4/15/2004 | 7.69 | 5/15/2004 | 17.04 | 6/15/2004 | 10.45 |
| 1/16/2004 | 12.30 | 2/16/2004 | 12.53 | 3/16/2004 | 14.91 | 4/16/2004 | 8.52 | 5/16/2004 | 17.78 | 6/16/2004 | 6.19 |
| 1/17/2004 | 13.09 | 2/17/2004 | 13.50 | 3/17/2004 | 15.35 | 4/17/2004 | 10.42 | 5/17/2004 | 18.24 | 6/17/2004 | 7.98 |
| 1/18/2004 | 0.00 | 2/18/2004 | 14.31 | 3/18/2004 | 15.61 | 4/18/2004 | 12.25 | 5/18/2004 | 18.46 | 6/18/2004 | 9.80 |
| 1/19/2004 | 0.00 | 2/19/2004 | 14.60 | 3/19/2004 | 15.58 | 4/19/2004 | 13.72 | 5/19/2004 | 18.63 | 6/19/2004 | 11.91 |
| 1/20/2004 | 0.00 | 2/20/2004 | 14.84 | 3/20/2004 | 14.69 | 4/20/2004 | 15.07 | 5/20/2004 | 13.16 | 6/20/2004 | 13.21 |
| 1/21/2004 | 9.31 | 2/21/2004 | 14.69 | 3/21/2004 | 14.01 | 4/21/2004 | 16.06 | 5/21/2004 | 14.77 | 6/21/2004 | 14.38 |
| 1/22/2004 | 10.50 | 2/22/2004 | 15.45 | 3/22/2004 | 13.60 | 4/22/2004 | 16.87 | 5/22/2004 | 15.98 | 6/22/2004 | 15.43 |
| 1/23/2004 | 12.39 | 2/23/2004 | 15.57 | 3/23/2004 | 13.83 | 4/23/2004 | 9.21 | 5/23/2004 | 16.89 | 6/23/2004 | 16.34 |
| 1/24/2004 | 13.52 | 2/24/2004 | 15.59 | 3/24/2004 | 14.27 | 4/24/2004 | 7.71 | 5/24/2004 | 17.56 | 6/24/2004 | 16.97 |
| 1/25/2004 | 14.91 | 2/25/2004 | 16.22 | 3/25/2004 | 13.56 | 4/25/2004 | 8.79 | 5/25/2004 | 18.08 | 6/25/2004 | 17.44 |
| 1/26/2004 | 15.48 | 2/26/2004 | 16.62 | 3/26/2004 | 14.60 | 4/26/2004 | 10.19 | 5/26/2004 | 18.44 | 6/26/2004 | 17.80 |
| 1/27/2004 | 8.78 | 2/27/2004 | 16.16 | 3/27/2004 | 15.18 | 4/27/2004 | 10.16 | 5/27/2004 | 6.30 | 6/27/2004 | 18.15 |
| 1/28/2004 | 8.72 | 2/28/2004 | 16.75 | 3/28/2004 | 15.52 | 4/28/2004 | 11.68 | 5/28/2004 | 6.70 | 6/28/2004 | 18.38 |
| 1/29/2004 | 9.22 | | | 3/29/2004 | 15.73 | 4/29/2004 | 13.20 | 5/29/2004 | 8.58 | 6/29/2004 | 18.51 |
| 1/30/2004 | 10.08 | | | 3/30/2004 | 7.36 | 4/30/2004 | 14.52 | 5/30/2004 | 10.52 | 6/30/2004 | 18.65 |
| 1/31/2004 | 11.90 | | | 3/31/2004 | 7.54 | | | 5/31/2004 | 5.54 | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

UF-5 (Continued)

| JULY | | AUGUST | | SEPTEMBER | | OCTOBER | | NOVEMBER | | DECEMBER | |
|-----------|--------------------|-----------|--------------------|-----------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|
| DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) |
| 7/1/2004 | 18.78 | 8/1/2004 | 6.44 | 9/1/2004 | 18.17 | 10/1/2004 | 18.40 | 11/1/2004 | 12.89 | 12/1/2004 | 6.14 |
| 7/2/2004 | 18.91 | 8/2/2004 | 7.69 | 9/2/2004 | 18.36 | 10/2/2004 | 18.56 | 11/2/2004 | 12.26 | 12/2/2004 | 6.70 |
| 7/3/2004 | 19.02 | 8/3/2004 | 8.92 | 9/3/2004 | 18.52 | 10/3/2004 | 18.10 | 11/3/2004 | 10.32 | 12/3/2004 | 7.31 |
| 7/4/2004 | 12.78 | 8/4/2004 | 11.10 | 9/4/2004 | 9.46 | 10/4/2004 | 18.03 | 11/4/2004 | 5.56 | 12/4/2004 | 8.03 |
| 7/5/2004 | 14.66 | 8/5/2004 | 5.25 | 9/5/2004 | 10.66 | 10/5/2004 | 18.12 | 11/5/2004 | 6.72 | 12/5/2004 | 8.85 |
| 7/6/2004 | 15.92 | 8/6/2004 | 6.74 | 9/6/2004 | 12.45 | 10/6/2004 | 18.28 | 11/6/2004 | 7.92 | 12/6/2004 | 8.28 |
| 7/7/2004 | 7.78 | 8/7/2004 | 8.30 | 9/7/2004 | 13.83 | 10/7/2004 | 18.49 | 11/7/2004 | 8.88 | 12/7/2004 | 6.47 |
| 7/8/2004 | 9.66 | 8/8/2004 | 10.34 | 9/8/2004 | 5.35 | 10/8/2004 | 18.66 | 11/8/2004 | 10.62 | 12/8/2004 | 6.88 |
| 7/9/2004 | 12.02 | 8/9/2004 | 12.52 | 9/9/2004 | 5.84 | 10/9/2004 | 18.77 | 11/9/2004 | 12.00 | 12/9/2004 | 7.15 |
| 7/10/2004 | 7.11 | 8/10/2004 | 14.15 | 9/10/2004 | 7.38 | 10/10/2004 | 18.88 | 11/10/2004 | 13.01 | 12/10/2004 | 6.45 |
| 7/11/2004 | 6.40 | 8/11/2004 | 15.36 | 9/11/2004 | 8.50 | 10/11/2004 | 18.99 | 11/11/2004 | 13.84 | 12/11/2004 | 6.74 |
| 7/12/2004 | 6.44 | 8/12/2004 | 15.98 | 9/12/2004 | 6.67 | 10/12/2004 | 19.08 | 11/12/2004 | 6.35 | 12/12/2004 | 6.79 |
| 7/13/2004 | 7.84 | 8/13/2004 | 15.00 | 9/13/2004 | 6.92 | 10/13/2004 | 13.96 | 11/13/2004 | 7.14 | 12/13/2004 | 7.24 |
| 7/14/2004 | 8.84 | 8/14/2004 | 15.54 | 9/14/2004 | 8.26 | 10/14/2004 | 10.46 | 11/14/2004 | 8.15 | 12/14/2004 | 8.12 |
| 7/15/2004 | 10.84 | 8/15/2004 | 16.19 | 9/15/2004 | 9.93 | 10/15/2004 | 7.09 | 11/15/2004 | 9.16 | 12/15/2004 | 8.87 |
| 7/16/2004 | 12.82 | 8/16/2004 | 16.66 | 9/16/2004 | 11.72 | 10/16/2004 | 8.39 | 11/16/2004 | 10.50 | 12/16/2004 | 9.79 |
| 7/17/2004 | 13.18 | 8/17/2004 | 17.25 | 9/17/2004 | 5.06 | 10/17/2004 | 10.08 | 11/17/2004 | 11.69 | 12/17/2004 | 10.69 |
| 7/18/2004 | 9.42 | 8/18/2004 | 17.65 | 9/18/2004 | 6.46 | 10/18/2004 | 11.51 | 11/18/2004 | 12.64 | 12/18/2004 | 11.55 |
| 7/19/2004 | 11.12 | 8/19/2004 | 17.96 | 9/19/2004 | 7.95 | 10/19/2004 | 5.22 | 11/19/2004 | 11.91 | 12/19/2004 | 12.20 |
| 7/20/2004 | 12.86 | 8/20/2004 | 18.28 | 9/20/2004 | 9.18 | 10/20/2004 | 6.44 | 11/20/2004 | 7.23 | 12/20/2004 | 13.13 |
| 7/21/2004 | 14.41 | 8/21/2004 | 6.00 | 9/21/2004 | 10.96 | 10/21/2004 | 7.57 | 11/21/2004 | 7.80 | 12/21/2004 | 13.55 |
| 7/22/2004 | 12.42 | 8/22/2004 | 8.62 | 9/22/2004 | 12.58 | 10/22/2004 | 8.38 | 11/22/2004 | 8.33 | 12/22/2004 | 14.28 |
| 7/23/2004 | 7.40 | 8/23/2004 | 10.04 | 9/23/2004 | 13.89 | 10/23/2004 | 9.57 | 11/23/2004 | 9.04 | 12/23/2004 | 10.65 |
| 7/24/2004 | 8.92 | 8/24/2004 | 12.02 | 9/24/2004 | 14.98 | 10/24/2004 | 6.52 | 11/24/2004 | 9.82 | 12/24/2004 | 7.91 |
| 7/25/2004 | 11.04 | 8/25/2004 | 13.61 | 9/25/2004 | 15.85 | 10/25/2004 | 7.68 | 11/25/2004 | 6.72 | 12/25/2004 | 8.23 |
| 7/26/2004 | 7.47 | 8/26/2004 | 14.89 | 9/26/2004 | 16.58 | 10/26/2004 | 8.75 | 11/26/2004 | 7.51 | 12/26/2004 | 8.74 |
| 7/27/2004 | 7.84 | 8/27/2004 | 15.80 | 9/27/2004 | 17.11 | 10/27/2004 | 9.50 | 11/27/2004 | 8.24 | 12/27/2004 | 10.04 |
| 7/28/2004 | 9.07 | 8/28/2004 | 16.43 | 9/28/2004 | 17.51 | 10/28/2004 | 9.38 | 11/28/2004 | 6.58 | 12/28/2004 | 11.26 |
| 7/29/2004 | 11.04 | 8/29/2004 | 16.91 | 9/29/2004 | 17.88 | 10/29/2004 | 9.96 | 11/29/2004 | 7.31 | 12/29/2004 | 12.10 |
| 7/30/2004 | 12.72 | 8/30/2004 | 17.38 | 9/30/2004 | 18.19 | 10/30/2004 | 10.78 | 11/30/2004 | 8.01 | 12/30/2004 | 12.85 |
| 7/31/2004 | 13.79 | 8/31/2004 | 17.82 | | | 10/31/2004 | 11.80 | | | 12/31/2004 | 12.75 |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

UF-37

| JANUARY | | FEBRUARY | | MARCH | | APRIL | | MAY | | JUNE | |
|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|
| DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) |
| 1/1/2004 | 15.22 | 2/1/2004 | 15.59 | 3/1/2004 | 15.79 | 4/1/2004 | 15.79 | 5/1/2004 | 15.88 | 6/1/2004 | 15.64 |
| 1/2/2004 | 15.11 | 2/2/2004 | 15.59 | 3/2/2004 | 15.72 | 4/2/2004 | 15.80 | 5/2/2004 | 15.76 | 6/2/2004 | 15.69 |
| 1/3/2004 | 15.00 | 2/3/2004 | 15.42 | 3/3/2004 | 15.86 | 4/3/2004 | 15.83 | 5/3/2004 | 15.87 | 6/3/2004 | 15.76 |
| 1/4/2004 | 14.97 | 2/4/2004 | 15.63 | 3/4/2004 | 15.81 | 4/4/2004 | 15.81 | 5/4/2004 | 15.94 | 6/4/2004 | 15.79 |
| 1/5/2004 | 14.94 | 2/5/2004 | 15.68 | 3/5/2004 | 15.70 | 4/5/2004 | 15.92 | 5/5/2004 | 15.88 | 6/5/2004 | 15.77 |
| 1/6/2004 | 15.23 | 2/6/2004 | 15.39 | 3/6/2004 | 15.64 | 4/6/2004 | 15.96 | 5/6/2004 | 15.90 | 6/6/2004 | 15.74 |
| 1/7/2004 | 15.40 | 2/7/2004 | 15.43 | 3/7/2004 | 15.79 | 4/7/2004 | 15.83 | 5/7/2004 | 15.92 | 6/7/2004 | 15.74 |
| 1/8/2004 | 15.38 | 2/8/2004 | 15.66 | 3/8/2004 | 15.80 | 4/8/2004 | 15.74 | 5/8/2004 | 15.95 | 6/8/2004 | 15.75 |
| 1/9/2004 | 15.20 | 2/9/2004 | 15.71 | 3/9/2004 | 15.79 | 4/9/2004 | 15.81 | 5/9/2004 | 15.92 | 6/9/2004 | 15.76 |
| 1/10/2004 | 15.31 | 2/10/2004 | 15.65 | 3/10/2004 | 15.90 | 4/10/2004 | 15.90 | 5/10/2004 | 15.90 | 6/10/2004 | 15.70 |
| 1/11/2004 | 15.37 | 2/11/2004 | 15.62 | 3/11/2004 | 15.89 | 4/11/2004 | 15.89 | 5/11/2004 | 15.91 | 6/11/2004 | 15.61 |
| 1/12/2004 | 15.19 | 2/12/2004 | 15.63 | 3/12/2004 | 15.84 | 4/12/2004 | 15.89 | 5/12/2004 | 15.91 | 6/12/2004 | 15.61 |
| 1/13/2004 | 15.27 | 2/13/2004 | 15.68 | 3/13/2004 | 15.94 | 4/13/2004 | 15.77 | 5/13/2004 | 15.90 | 6/13/2004 | 15.62 |
| 1/14/2004 | 15.28 | 2/14/2004 | 15.65 | 3/14/2004 | 15.90 | 4/14/2004 | 15.81 | 5/14/2004 | 15.89 | 6/14/2004 | 15.61 |
| 1/15/2004 | 15.12 | 2/15/2004 | 15.58 | 3/15/2004 | 15.92 | 4/15/2004 | 15.96 | 5/15/2004 | 15.89 | 6/15/2004 | 15.61 |
| 1/16/2004 | 15.33 | 2/16/2004 | 15.73 | 3/16/2004 | 15.70 | 4/16/2004 | 16.00 | 5/16/2004 | 15.93 | 6/16/2004 | 15.63 |
| 1/17/2004 | 15.33 | 2/17/2004 | 15.78 | 3/17/2004 | 15.80 | 4/17/2004 | 15.99 | 5/17/2004 | 15.94 | 6/17/2004 | 15.62 |
| 1/18/2004 | 15.05 | 2/18/2004 | 15.79 | 3/18/2004 | 15.83 | 4/18/2004 | 16.02 | 5/18/2004 | 15.91 | 6/18/2004 | 15.58 |
| 1/19/2004 | 15.21 | 2/19/2004 | 15.70 | 3/19/2004 | 15.92 | 4/19/2004 | 15.98 | 5/19/2004 | 15.87 | 6/19/2004 | 15.57 |
| 1/20/2004 | 15.38 | 2/20/2004 | 15.52 | 3/20/2004 | 15.95 | 4/20/2004 | 15.94 | 5/20/2004 | 15.87 | 6/20/2004 | 15.59 |
| 1/21/2004 | 15.45 | 2/21/2004 | 15.43 | 3/21/2004 | 15.86 | 4/21/2004 | 15.82 | 5/21/2004 | 15.86 | 6/21/2004 | 15.52 |
| 1/22/2004 | 15.32 | 2/22/2004 | 15.72 | 3/22/2004 | 15.96 | 4/22/2004 | 15.87 | 5/22/2004 | 15.82 | 6/22/2004 | 15.40 |
| 1/23/2004 | 15.38 | 2/23/2004 | 15.77 | 3/23/2004 | 16.02 | 4/23/2004 | 15.91 | 5/23/2004 | 15.77 | 6/23/2004 | 15.46 |
| 1/24/2004 | 15.22 | 2/24/2004 | 15.68 | 3/24/2004 | 15.99 | 4/24/2004 | 15.98 | 5/24/2004 | 15.75 | 6/24/2004 | 15.50 |
| 1/25/2004 | 15.39 | 2/25/2004 | 15.76 | 3/25/2004 | 15.99 | 4/25/2004 | 15.89 | 5/25/2004 | 15.77 | 6/25/2004 | 15.51 |
| 1/26/2004 | 15.21 | 2/26/2004 | 15.78 | 3/26/2004 | 16.00 | 4/26/2004 | 15.89 | 5/26/2004 | 15.73 | 6/26/2004 | 15.47 |
| 1/27/2004 | 15.19 | 2/27/2004 | 15.81 | 3/27/2004 | 15.96 | 4/27/2004 | 15.86 | 5/27/2004 | 15.71 | 6/27/2004 | 15.52 |
| 1/28/2004 | 15.39 | 2/28/2004 | 15.88 | 3/28/2004 | 15.93 | 4/28/2004 | 15.93 | 5/28/2004 | 15.66 | 6/28/2004 | 15.49 |
| 1/29/2004 | 15.51 | | | 3/29/2004 | 15.88 | 4/29/2004 | 15.98 | 5/29/2004 | 15.73 | 6/29/2004 | 15.48 |
| 1/30/2004 | 15.40 | | | 3/30/2004 | 15.85 | 4/30/2004 | 15.95 | 5/30/2004 | 15.75 | 6/30/2004 | 15.48 |
| 1/31/2004 | 15.50 | | | 3/31/2004 | 15.79 | | | 5/31/2004 | 15.61 | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

UF-37 (Continued)

| JULY | | AUGUST | | SEPTEMBER | | OCTOBER | | NOVEMBER | | DECEMBER | |
|-----------|--------------------|-----------|--------------------|-----------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|
| DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) |
| 7/1/2004 | 15.44 | 8/1/2004 | 14.91 | 9/1/2004 | 14.60 | 10/1/2004 | 0.00 | 11/1/2004 | 14.27 | 12/1/2004 | 14.38 |
| 7/2/2004 | 15.40 | 8/2/2004 | 14.91 | 9/2/2004 | 14.59 | 10/2/2004 | 0.00 | 11/2/2004 | 14.26 | 12/2/2004 | 14.65 |
| 7/3/2004 | 15.33 | 8/3/2004 | 14.83 | 9/3/2004 | 14.55 | 10/3/2004 | 0.00 | 11/3/2004 | 14.32 | 12/3/2004 | 14.58 |
| 7/4/2004 | 15.25 | 8/4/2004 | 14.79 | 9/4/2004 | 14.54 | 10/4/2004 | 0.00 | 11/4/2004 | 14.18 | 12/4/2004 | 14.59 |
| 7/5/2004 | 15.26 | 8/5/2004 | 14.74 | 9/5/2004 | 14.50 | 10/5/2004 | 0.00 | 11/5/2004 | 14.24 | 12/5/2004 | 14.63 |
| 7/6/2004 | 15.32 | 8/6/2004 | 14.80 | 9/6/2004 | 14.41 | 10/6/2004 | 0.00 | 11/6/2004 | 14.33 | 12/6/2004 | 14.57 |
| 7/7/2004 | 15.26 | 8/7/2004 | 14.85 | 9/7/2004 | 14.37 | 10/7/2004 | 0.00 | 11/7/2004 | 14.26 | 12/7/2004 | 14.43 |
| 7/8/2004 | 15.24 | 8/8/2004 | 14.87 | 9/8/2004 | 14.24 | 10/8/2004 | 0.00 | 11/8/2004 | 14.37 | 12/8/2004 | 14.58 |
| 7/9/2004 | 15.28 | 8/9/2004 | 14.88 | 9/9/2004 | 14.37 | 10/9/2004 | 0.00 | 11/9/2004 | 14.58 | 12/9/2004 | 14.65 |
| 7/10/2004 | 15.32 | 8/10/2004 | 14.80 | 9/10/2004 | 14.50 | 10/10/2004 | 0.00 | 11/10/2004 | 14.59 | 12/10/2004 | 14.35 |
| 7/11/2004 | 15.32 | 8/11/2004 | 14.70 | 9/11/2004 | 14.51 | 10/11/2004 | 14.22 | 11/11/2004 | 14.48 | 12/11/2004 | 14.42 |
| 7/12/2004 | 15.23 | 8/12/2004 | 14.70 | 9/12/2004 | 14.49 | 10/12/2004 | 14.04 | 11/12/2004 | 14.35 | 12/12/2004 | 14.63 |
| 7/13/2004 | 15.16 | 8/13/2004 | 14.71 | 9/13/2004 | 14.47 | 10/13/2004 | 13.89 | 11/13/2004 | 14.49 | 12/13/2004 | 14.58 |
| 7/14/2004 | 15.07 | 8/14/2004 | 14.76 | 9/14/2004 | 14.44 | 10/14/2004 | 13.86 | 11/14/2004 | 14.67 | 12/14/2004 | 14.89 |
| 7/15/2004 | 15.07 | 8/15/2004 | 14.81 | 9/15/2004 | 14.40 | 10/15/2004 | 13.91 | 11/15/2004 | 14.73 | 12/15/2004 | 15.08 |
| 7/16/2004 | 15.10 | 8/16/2004 | 14.82 | 9/16/2004 | 14.32 | 10/16/2004 | 14.06 | 11/16/2004 | 14.66 | 12/16/2004 | 15.05 |
| 7/17/2004 | 15.08 | 8/17/2004 | 14.66 | 9/17/2004 | 14.17 | 10/17/2004 | 14.20 | 11/17/2004 | 14.57 | 12/17/2004 | 14.92 |
| 7/18/2004 | 15.05 | 8/18/2004 | 14.60 | 9/18/2004 | 14.37 | 10/18/2004 | 14.12 | 11/18/2004 | 14.51 | 12/18/2004 | 14.80 |
| 7/19/2004 | 15.06 | 8/19/2004 | 14.62 | 9/19/2004 | 14.50 | 10/19/2004 | 14.14 | 11/19/2004 | 14.44 | 12/19/2004 | 14.62 |
| 7/20/2004 | 15.09 | 8/20/2004 | 14.54 | 9/20/2004 | 14.50 | 10/20/2004 | 14.19 | 11/20/2004 | 14.36 | 12/20/2004 | 14.87 |
| 7/21/2004 | 15.11 | 8/21/2004 | 14.57 | 9/21/2004 | 14.49 | 10/21/2004 | 14.26 | 11/21/2004 | 14.44 | 12/21/2004 | 14.67 |
| 7/22/2004 | 15.07 | 8/22/2004 | 14.60 | 9/22/2004 | 14.45 | 10/22/2004 | 14.27 | 11/22/2004 | 14.49 | 12/22/2004 | 14.77 |
| 7/23/2004 | 15.02 | 8/23/2004 | 14.59 | 9/23/2004 | 14.39 | 10/23/2004 | 14.13 | 11/23/2004 | 14.39 | 12/23/2004 | 14.53 |
| 7/24/2004 | 15.09 | 8/24/2004 | 14.59 | 9/24/2004 | 14.34 | 10/24/2004 | 14.17 | 11/24/2004 | 14.26 | 12/24/2004 | 15.03 |
| 7/25/2004 | 15.13 | 8/25/2004 | 14.61 | 9/25/2004 | 14.33 | 10/25/2004 | 14.25 | 11/25/2004 | 14.09 | 12/25/2004 | 14.99 |
| 7/26/2004 | 15.05 | 8/26/2004 | 14.61 | 9/26/2004 | 14.19 | 10/26/2004 | 14.28 | 11/26/2004 | 14.52 | 12/26/2004 | 14.91 |
| 7/27/2004 | 14.98 | 8/27/2004 | 14.61 | 9/27/2004 | 14.14 | 10/27/2004 | 14.32 | 11/27/2004 | 14.53 | 12/27/2004 | 15.15 |
| 7/28/2004 | 14.99 | 8/28/2004 | 14.57 | 9/28/2004 | 0.00 | 10/28/2004 | 14.29 | 11/28/2004 | 14.40 | 12/28/2004 | 15.19 |
| 7/29/2004 | 14.98 | 8/29/2004 | 14.47 | 9/29/2004 | 0.00 | 10/29/2004 | 14.15 | 11/29/2004 | 14.67 | 12/29/2004 | 15.01 |
| 7/30/2004 | 14.92 | 8/30/2004 | 14.47 | 9/30/2004 | 0.00 | 10/30/2004 | 14.12 | 11/30/2004 | 14.64 | 12/30/2004 | 15.03 |
| 7/31/2004 | 14.89 | 8/31/2004 | 14.53 | | | 10/31/2004 | 14.13 | | | 12/31/2004 | 15.01 |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

UF-45

| JANUARY | | FEBRUARY | | MARCH | | APRIL | | MAY | | JUNE | |
|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|
| DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) |
| 1/1/2004 | 19.01 | 2/1/2004 | 18.84 | 3/1/2004 | 18.38 | 4/1/2004 | 18.09 | 5/1/2004 | 18.22 | 6/1/2004 | 18.53 |
| 1/2/2004 | 18.98 | 2/2/2004 | 18.81 | 3/2/2004 | 18.39 | 4/2/2004 | 18.11 | 5/2/2004 | 18.22 | 6/2/2004 | 18.53 |
| 1/3/2004 | 18.96 | 2/3/2004 | 18.78 | 3/3/2004 | 18.31 | 4/3/2004 | 18.09 | 5/3/2004 | 18.22 | 6/3/2004 | 18.53 |
| 1/4/2004 | 18.93 | 2/4/2004 | 18.79 | 3/4/2004 | 18.22 | 4/4/2004 | 18.09 | 5/4/2004 | 18.21 | 6/4/2004 | 18.51 |
| 1/5/2004 | 19.02 | 2/5/2004 | 18.73 | 3/5/2004 | 18.09 | 4/5/2004 | 18.13 | 5/5/2004 | 18.21 | 6/5/2004 | 18.50 |
| 1/6/2004 | 19.05 | 2/6/2004 | 18.64 | 3/6/2004 | 18.02 | 4/6/2004 | 18.13 | 5/6/2004 | 18.23 | 6/6/2004 | 18.49 |
| 1/7/2004 | 19.05 | 2/7/2004 | 18.60 | 3/7/2004 | 18.02 | 4/7/2004 | 18.12 | 5/7/2004 | 18.25 | 6/7/2004 | 18.50 |
| 1/8/2004 | 19.04 | 2/8/2004 | 18.57 | 3/8/2004 | 18.04 | 4/8/2004 | 18.13 | 5/8/2004 | 18.27 | 6/8/2004 | 18.51 |
| 1/9/2004 | 19.03 | 2/9/2004 | 18.47 | 3/9/2004 | 18.03 | 4/9/2004 | 18.18 | 5/9/2004 | 18.27 | 6/9/2004 | 18.51 |
| 1/10/2004 | 19.06 | 2/10/2004 | 18.41 | 3/10/2004 | 18.08 | 4/10/2004 | 18.18 | 5/10/2004 | 18.29 | 6/10/2004 | 18.51 |
| 1/11/2004 | 19.06 | 2/11/2004 | 18.38 | 3/11/2004 | 18.06 | 4/11/2004 | 18.19 | 5/11/2004 | 18.31 | 6/11/2004 | 18.51 |
| 1/12/2004 | 19.05 | 2/12/2004 | 18.35 | 3/12/2004 | 18.09 | 4/12/2004 | 18.18 | 5/12/2004 | 18.32 | 6/12/2004 | 18.53 |
| 1/13/2004 | 19.06 | 2/13/2004 | 18.34 | 3/13/2004 | 18.13 | 4/13/2004 | 18.16 | 5/13/2004 | 18.33 | 6/13/2004 | 18.53 |
| 1/14/2004 | 19.06 | 2/14/2004 | 18.31 | 3/14/2004 | 18.10 | 4/14/2004 | 18.16 | 5/14/2004 | 18.34 | 6/14/2004 | 18.53 |
| 1/15/2004 | 19.09 | 2/15/2004 | 18.31 | 3/15/2004 | 18.13 | 4/15/2004 | 18.14 | 5/15/2004 | 18.36 | 6/15/2004 | 18.53 |
| 1/16/2004 | 19.09 | 2/16/2004 | 18.33 | 3/16/2004 | 18.10 | 4/16/2004 | 18.14 | 5/16/2004 | 18.39 | 6/16/2004 | 18.53 |
| 1/17/2004 | 19.09 | 2/17/2004 | 18.32 | 3/17/2004 | 18.14 | 4/17/2004 | 18.17 | 5/17/2004 | 18.40 | 6/17/2004 | 18.51 |
| 1/18/2004 | 18.93 | 2/18/2004 | 18.32 | 3/18/2004 | 18.16 | 4/18/2004 | 18.18 | 5/18/2004 | 18.40 | 6/18/2004 | 18.49 |
| 1/19/2004 | 19.10 | 2/19/2004 | 18.30 | 3/19/2004 | 18.20 | 4/19/2004 | 18.18 | 5/19/2004 | 18.41 | 6/19/2004 | 18.48 |
| 1/20/2004 | 19.07 | 2/20/2004 | 18.28 | 3/20/2004 | 18.17 | 4/20/2004 | 18.18 | 5/20/2004 | 18.43 | 6/20/2004 | 18.50 |
| 1/21/2004 | 19.03 | 2/21/2004 | 18.32 | 3/21/2004 | 18.19 | 4/21/2004 | 18.19 | 5/21/2004 | 18.44 | 6/21/2004 | 18.48 |
| 1/22/2004 | 19.00 | 2/22/2004 | 18.35 | 3/22/2004 | 18.19 | 4/22/2004 | 18.22 | 5/22/2004 | 18.45 | 6/22/2004 | 18.48 |
| 1/23/2004 | 19.00 | 2/23/2004 | 18.34 | 3/23/2004 | 18.19 | 4/23/2004 | 18.20 | 5/23/2004 | 18.46 | 6/23/2004 | 18.50 |
| 1/24/2004 | 18.96 | 2/24/2004 | 18.35 | 3/24/2004 | 18.19 | 4/24/2004 | 18.18 | 5/24/2004 | 18.47 | 6/24/2004 | 18.51 |
| 1/25/2004 | 18.96 | 2/25/2004 | 18.37 | 3/25/2004 | 18.20 | 4/25/2004 | 18.13 | 5/25/2004 | 18.48 | 6/25/2004 | 18.51 |
| 1/26/2004 | 18.94 | 2/26/2004 | 18.36 | 3/26/2004 | 18.20 | 4/26/2004 | 18.17 | 5/26/2004 | 18.49 | 6/26/2004 | 18.53 |
| 1/27/2004 | 18.91 | 2/27/2004 | 18.38 | 3/27/2004 | 18.20 | 4/27/2004 | 18.15 | 5/27/2004 | 18.50 | 6/27/2004 | 18.54 |
| 1/28/2004 | 18.93 | 2/28/2004 | 18.39 | 3/28/2004 | 18.20 | 4/28/2004 | 18.19 | 5/28/2004 | 18.51 | 6/28/2004 | 18.54 |
| 1/29/2004 | 18.89 | | | 3/29/2004 | 18.21 | 4/29/2004 | 18.22 | 5/29/2004 | 18.53 | 6/29/2004 | 18.56 |
| 1/30/2004 | 18.86 | | | 3/30/2004 | 18.17 | 4/30/2004 | 18.21 | 5/30/2004 | 18.54 | 6/30/2004 | 18.56 |
| 1/31/2004 | 18.85 | | | 3/31/2004 | 18.10 | | | 5/31/2004 | 18.53 | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

UF-45 (Continued)

| JULY | | AUGUST | | SEPTEMBER | | OCTOBER | | NOVEMBER | | DECEMBER | |
|-----------|--------------------|-----------|--------------------|-----------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|
| DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) |
| 7/1/2004 | 18.56 | 8/1/2004 | 18.73 | 9/1/2004 | 18.73 | 10/1/2004 | 18.51 | 11/1/2004 | 18.41 | 12/1/2004 | 18.19 |
| 7/2/2004 | 18.57 | 8/2/2004 | 18.73 | 9/2/2004 | 18.72 | 10/2/2004 | 18.52 | 11/2/2004 | 18.39 | 12/2/2004 | 18.13 |
| 7/3/2004 | 18.57 | 8/3/2004 | 18.72 | 9/3/2004 | 18.72 | 10/3/2004 | 18.53 | 11/3/2004 | 18.40 | 12/3/2004 | 18.13 |
| 7/4/2004 | 18.58 | 8/4/2004 | 18.72 | 9/4/2004 | 18.73 | 10/4/2004 | 18.52 | 11/4/2004 | 18.32 | 12/4/2004 | 18.13 |
| 7/5/2004 | 18.59 | 8/5/2004 | 18.71 | 9/5/2004 | 18.73 | 10/5/2004 | 18.54 | 11/5/2004 | 18.33 | 12/5/2004 | 18.16 |
| 7/6/2004 | 18.60 | 8/6/2004 | 18.72 | 9/6/2004 | 18.72 | 10/6/2004 | 18.54 | 11/6/2004 | 18.28 | 12/6/2004 | 18.15 |
| 7/7/2004 | 18.59 | 8/7/2004 | 18.70 | 9/7/2004 | 18.72 | 10/7/2004 | 18.54 | 11/7/2004 | 18.26 | 12/7/2004 | 18.12 |
| 7/8/2004 | 18.61 | 8/8/2004 | 18.69 | 9/8/2004 | 18.71 | 10/8/2004 | 18.54 | 11/8/2004 | 18.28 | 12/8/2004 | 18.17 |
| 7/9/2004 | 18.62 | 8/9/2004 | 18.69 | 9/9/2004 | 18.73 | 10/9/2004 | 18.53 | 11/9/2004 | 18.25 | 12/9/2004 | 18.12 |
| 7/10/2004 | 18.63 | 8/10/2004 | 18.66 | 9/10/2004 | 18.71 | 10/10/2004 | 18.54 | 11/10/2004 | 18.23 | 12/10/2004 | 18.09 |
| 7/11/2004 | 18.63 | 8/11/2004 | 18.67 | 9/11/2004 | 18.68 | 10/11/2004 | 18.54 | 11/11/2004 | 18.23 | 12/11/2004 | 18.10 |
| 7/12/2004 | 18.63 | 8/12/2004 | 18.67 | 9/12/2004 | 18.66 | 10/12/2004 | 18.53 | 11/12/2004 | 18.22 | 12/12/2004 | 18.11 |
| 7/13/2004 | 18.64 | 8/13/2004 | 18.68 | 9/13/2004 | 18.65 | 10/13/2004 | 18.52 | 11/13/2004 | 18.20 | 12/13/2004 | 18.11 |
| 7/14/2004 | 18.63 | 8/14/2004 | 18.69 | 9/14/2004 | 18.63 | 10/14/2004 | 18.53 | 11/14/2004 | 18.18 | 12/14/2004 | 18.15 |
| 7/15/2004 | 18.65 | 8/15/2004 | 18.69 | 9/15/2004 | 18.62 | 10/15/2004 | 18.53 | 11/15/2004 | 18.16 | 12/15/2004 | 18.17 |
| 7/16/2004 | 18.65 | 8/16/2004 | 18.70 | 9/16/2004 | 18.61 | 10/16/2004 | 18.54 | 11/16/2004 | 18.16 | 12/16/2004 | 18.15 |
| 7/17/2004 | 18.66 | 8/17/2004 | 18.69 | 9/17/2004 | 18.58 | 10/17/2004 | 18.57 | 11/17/2004 | 18.17 | 12/17/2004 | 18.17 |
| 7/18/2004 | 18.66 | 8/18/2004 | 18.68 | 9/18/2004 | 18.59 | 10/18/2004 | 18.55 | 11/18/2004 | 18.19 | 12/18/2004 | 18.17 |
| 7/19/2004 | 18.67 | 8/19/2004 | 18.69 | 9/19/2004 | 18.58 | 10/19/2004 | 18.55 | 11/19/2004 | 18.20 | 12/19/2004 | 18.17 |
| 7/20/2004 | 18.68 | 8/20/2004 | 18.69 | 9/20/2004 | 18.56 | 10/20/2004 | 18.56 | 11/20/2004 | 18.20 | 12/20/2004 | 18.21 |
| 7/21/2004 | 18.69 | 8/21/2004 | 18.68 | 9/21/2004 | 18.55 | 10/21/2004 | 18.56 | 11/21/2004 | 18.20 | 12/21/2004 | 18.20 |
| 7/22/2004 | 18.68 | 8/22/2004 | 18.69 | 9/22/2004 | 18.54 | 10/22/2004 | 18.54 | 11/22/2004 | 18.17 | 12/22/2004 | 18.22 |
| 7/23/2004 | 18.69 | 8/23/2004 | 18.69 | 9/23/2004 | 18.53 | 10/23/2004 | 18.51 | 11/23/2004 | 18.17 | 12/23/2004 | 18.24 |
| 7/24/2004 | 18.71 | 8/24/2004 | 18.70 | 9/24/2004 | 18.52 | 10/24/2004 | 18.50 | 11/24/2004 | 18.14 | 12/24/2004 | 18.22 |
| 7/25/2004 | 18.71 | 8/25/2004 | 18.71 | 9/25/2004 | 18.52 | 10/25/2004 | 18.49 | 11/25/2004 | 18.19 | 12/25/2004 | 18.19 |
| 7/26/2004 | 18.70 | 8/26/2004 | 18.71 | 9/26/2004 | 18.52 | 10/26/2004 | 18.48 | 11/26/2004 | 18.17 | 12/26/2004 | 18.18 |
| 7/27/2004 | 18.71 | 8/27/2004 | 18.71 | 9/27/2004 | 18.50 | 10/27/2004 | 18.46 | 11/27/2004 | 18.15 | 12/27/2004 | 18.24 |
| 7/28/2004 | 18.72 | 8/28/2004 | 18.70 | 9/28/2004 | 18.50 | 10/28/2004 | 18.46 | 11/28/2004 | 18.18 | 12/28/2004 | 18.20 |
| 7/29/2004 | 18.72 | 8/29/2004 | 18.70 | 9/29/2004 | 18.51 | 10/29/2004 | 18.42 | 11/29/2004 | 18.17 | 12/29/2004 | 18.21 |
| 7/30/2004 | 18.72 | 8/30/2004 | 18.71 | 9/30/2004 | 18.52 | 10/30/2004 | 18.40 | 11/30/2004 | 18.15 | 12/30/2004 | 18.23 |
| 7/31/2004 | 18.73 | 8/31/2004 | 18.72 | | | 10/31/2004 | 18.41 | | | 12/31/2004 | 18.21 |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

UK-1

| JANUARY | | FEBRUARY | | MARCH | | APRIL | | MAY | | JUNE | |
|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|-----------|--------------------|
| DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) |
| 1/1/2004 | 13.86 | 2/1/2004 | 13.81 | 3/1/2004 | 13.69 | 4/1/2004 | 13.33 | 5/1/2004 | 13.49 | 6/1/2004 | 13.39 |
| 1/2/2004 | 13.64 | 2/2/2004 | 13.79 | 3/2/2004 | 13.56 | 4/2/2004 | 13.33 | 5/2/2004 | 13.24 | 6/2/2004 | 13.52 |
| 1/3/2004 | 13.50 | 2/3/2004 | 13.48 | 3/3/2004 | 13.80 | 4/3/2004 | 13.39 | 5/3/2004 | 13.54 | 6/3/2004 | 13.69 |
| 1/4/2004 | 13.42 | 2/4/2004 | 13.85 | 3/4/2004 | 13.66 | 4/4/2004 | 13.35 | 5/4/2004 | 13.65 | 6/4/2004 | 13.75 |
| 1/5/2004 | 13.35 | 2/5/2004 | 13.88 | 3/5/2004 | 13.45 | 4/5/2004 | 13.57 | 5/5/2004 | 13.49 | 6/5/2004 | 13.71 |
| 1/6/2004 | 13.79 | 2/6/2004 | 13.42 | 3/6/2004 | 13.33 | 4/6/2004 | 13.65 | 5/6/2004 | 13.54 | 6/6/2004 | 13.66 |
| 1/7/2004 | 14.00 | 2/7/2004 | 13.44 | 3/7/2004 | 13.58 | 4/7/2004 | 13.40 | 5/7/2004 | 13.60 | 6/7/2004 | 13.70 |
| 1/8/2004 | 13.87 | 2/8/2004 | 13.89 | 3/8/2004 | 13.56 | 4/8/2004 | 13.22 | 5/8/2004 | 13.68 | 6/8/2004 | 13.76 |
| 1/9/2004 | 13.65 | 2/9/2004 | 13.86 | 3/9/2004 | 13.51 | 4/9/2004 | 13.37 | 5/9/2004 | 13.60 | 6/9/2004 | 13.78 |
| 1/10/2004 | 13.83 | 2/10/2004 | 13.73 | 3/10/2004 | 13.74 | 4/10/2004 | 13.54 | 5/10/2004 | 13.59 | 6/10/2004 | 13.68 |
| 1/11/2004 | 13.86 | 2/11/2004 | 13.68 | 3/11/2004 | 13.72 | 4/11/2004 | 13.51 | 5/11/2004 | 13.63 | 6/11/2004 | 13.54 |
| 1/12/2004 | 13.57 | 2/12/2004 | 13.69 | 3/12/2004 | 13.62 | 4/12/2004 | 13.50 | 5/12/2004 | 13.64 | 6/12/2004 | 13.56 |
| 1/13/2004 | 13.68 | 2/13/2004 | 13.76 | 3/13/2004 | 13.84 | 4/13/2004 | 13.26 | 5/13/2004 | 13.61 | 6/13/2004 | 13.61 |
| 1/14/2004 | 13.61 | 2/14/2004 | 13.66 | 3/14/2004 | 13.73 | 4/14/2004 | 13.41 | 5/14/2004 | 13.62 | 6/14/2004 | 13.59 |
| 1/15/2004 | 13.38 | 2/15/2004 | 13.52 | 3/15/2004 | 13.75 | 4/15/2004 | 13.70 | 5/15/2004 | 13.62 | 6/15/2004 | 13.62 |
| 1/16/2004 | 13.68 | 2/16/2004 | 13.81 | 3/16/2004 | 13.30 | 4/16/2004 | 13.49 | 5/16/2004 | 13.74 | 6/16/2004 | 13.69 |
| 1/17/2004 | 13.61 | 2/17/2004 | 13.86 | 3/17/2004 | 13.45 | 4/17/2004 | 13.74 | 5/17/2004 | 13.76 | 6/17/2004 | 13.68 |
| 1/18/2004 | 13.13 | 2/18/2004 | 13.88 | 3/18/2004 | 13.51 | 4/18/2004 | 13.76 | 5/18/2004 | 13.69 | 6/18/2004 | 13.64 |
| 1/19/2004 | 13.42 | 2/19/2004 | 13.62 | 3/19/2004 | 13.68 | 4/19/2004 | 13.75 | 5/19/2004 | 13.62 | 6/19/2004 | 13.64 |
| 1/20/2004 | 13.69 | 2/20/2004 | 13.30 | 3/20/2004 | 13.75 | 4/20/2004 | 13.82 | 5/20/2004 | 13.64 | 6/20/2004 | 13.71 |
| 1/21/2004 | 13.76 | 2/21/2004 | 13.25 | 3/21/2004 | 13.59 | 4/21/2004 | 13.72 | 5/21/2004 | 13.64 | 6/21/2004 | 13.58 |
| 1/22/2004 | 13.51 | 2/22/2004 | 13.70 | 3/22/2004 | 13.79 | 4/22/2004 | 13.61 | 5/22/2004 | 13.54 | 6/22/2004 | 13.42 |
| 1/23/2004 | 13.69 | 2/23/2004 | 13.74 | 3/23/2004 | 13.88 | 4/23/2004 | 13.38 | 5/23/2004 | 13.47 | 6/23/2004 | 13.56 |
| 1/24/2004 | 13.36 | 2/24/2004 | 13.56 | 3/24/2004 | 13.83 | 4/24/2004 | 13.50 | 5/24/2004 | 13.44 | 6/24/2004 | 13.64 |
| 1/25/2004 | 13.63 | 2/25/2004 | 13.71 | 3/25/2004 | 13.81 | 4/25/2004 | 13.57 | 5/25/2004 | 13.48 | 6/25/2004 | 13.66 |
| 1/26/2004 | 13.31 | 2/26/2004 | 13.71 | 3/26/2004 | 13.82 | 4/26/2004 | 13.71 | 5/26/2004 | 13.43 | 6/26/2004 | 13.61 |
| 1/27/2004 | 13.24 | 2/27/2004 | 13.76 | 3/27/2004 | 13.74 | 4/27/2004 | 13.51 | 5/27/2004 | 13.40 | 6/27/2004 | 13.73 |
| 1/28/2004 | 13.63 | 2/28/2004 | 13.90 | 3/28/2004 | 13.67 | 4/28/2004 | 13.53 | 5/28/2004 | 13.32 | 6/28/2004 | 13.68 |
| 1/29/2004 | 13.71 | | | 3/29/2004 | 13.55 | 4/29/2004 | 13.44 | 5/29/2004 | 13.55 | 6/29/2004 | 13.70 |
| 1/30/2004 | 13.51 | | | 3/30/2004 | 13.49 | 4/30/2004 | 13.64 | 5/30/2004 | 13.53 | 6/30/2004 | 13.74 |
| 1/31/2004 | 13.68 | | | 3/31/2004 | 13.34 | | | 5/31/2004 | 13.27 | | |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

UK-1 (Continued)

| JULY | | AUGUST | | SEPTEMBER | | OCTOBER | | NOVEMBER | | DECEMBER | |
|-----------|--------------------|-----------|--------------------|-----------|--------------------|------------|--------------------|------------|--------------------|------------|--------------------|
| DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) | DATE | TOC to Liquid (ft) |
| 7/1/2004 | 13.68 | 8/1/2004 | 13.59 | 9/1/2004 | 13.66 | 10/1/2004 | 13.50 | 11/1/2004 | 13.57 | 12/1/2004 | 13.27 |
| 7/2/2004 | 13.65 | 8/2/2004 | 13.59 | 9/2/2004 | 13.61 | 10/2/2004 | 13.47 | 11/2/2004 | 13.47 | 12/2/2004 | 13.66 |
| 7/3/2004 | 13.54 | 8/3/2004 | 13.49 | 9/3/2004 | 13.58 | 10/3/2004 | 13.59 | 11/3/2004 | 13.67 | 12/3/2004 | 13.50 |
| 7/4/2004 | 13.44 | 8/4/2004 | 13.45 | 9/4/2004 | 13.58 | 10/4/2004 | 13.51 | 11/4/2004 | 13.24 | 12/4/2004 | 13.50 |
| 7/5/2004 | 13.50 | 8/5/2004 | 13.39 | 9/5/2004 | 13.56 | 10/5/2004 | 13.59 | 11/5/2004 | 13.60 | 12/5/2004 | 13.58 |
| 7/6/2004 | 13.63 | 8/6/2004 | 13.54 | 9/6/2004 | 13.48 | 10/6/2004 | 13.70 | 11/6/2004 | 13.53 | 12/6/2004 | 13.40 |
| 7/7/2004 | 13.49 | 8/7/2004 | 13.63 | 9/7/2004 | 13.38 | 10/7/2004 | 13.74 | 11/7/2004 | 13.43 | 12/7/2004 | 13.20 |
| 7/8/2004 | 13.51 | 8/8/2004 | 13.66 | 9/8/2004 | 13.22 | 10/8/2004 | 13.63 | 11/8/2004 | 13.76 | 12/8/2004 | 13.50 |
| 7/9/2004 | 13.62 | 8/9/2004 | 13.69 | 9/9/2004 | 13.30 | 10/9/2004 | 13.50 | 11/9/2004 | 13.94 | 12/9/2004 | 13.47 |
| 7/10/2004 | 13.69 | 8/10/2004 | 13.56 | 9/10/2004 | 13.58 | 10/10/2004 | 13.47 | 11/10/2004 | 13.84 | 12/10/2004 | 13.08 |
| 7/11/2004 | 13.69 | 8/11/2004 | 13.46 | 9/11/2004 | 13.65 | 10/11/2004 | 13.47 | 11/11/2004 | 13.66 | 12/11/2004 | 13.12 |
| 7/12/2004 | 13.58 | 8/12/2004 | 13.50 | 9/12/2004 | 13.59 | 10/12/2004 | 13.31 | 11/12/2004 | 13.49 | 12/12/2004 | 13.41 |
| 7/13/2004 | 13.51 | 8/13/2004 | 13.52 | 9/13/2004 | 13.60 | 10/13/2004 | 12.97 | 11/13/2004 | 13.80 | 12/13/2004 | 13.33 |
| 7/14/2004 | 13.37 | 8/14/2004 | 13.64 | 9/14/2004 | 13.57 | 10/14/2004 | 13.02 | 11/14/2004 | 14.04 | 12/14/2004 | 13.80 |
| 7/15/2004 | 13.42 | 8/15/2004 | 13.72 | 9/15/2004 | 13.54 | 10/15/2004 | 12.90 | 11/15/2004 | 14.02 | 12/15/2004 | 14.03 |
| 7/16/2004 | 13.49 | 8/16/2004 | 13.74 | 9/16/2004 | 13.44 | 10/16/2004 | 13.07 | 11/16/2004 | 13.84 | 12/16/2004 | 13.94 |
| 7/17/2004 | 13.45 | 8/17/2004 | 13.65 | 9/17/2004 | 13.09 | 10/17/2004 | 13.35 | 11/17/2004 | 13.73 | 12/17/2004 | 13.78 |
| 7/18/2004 | 13.45 | 8/18/2004 | 13.50 | 9/18/2004 | 13.38 | 10/18/2004 | 13.46 | 11/18/2004 | 13.64 | 12/18/2004 | 13.59 |
| 7/19/2004 | 13.48 | 8/19/2004 | 13.46 | 9/19/2004 | 13.64 | 10/19/2004 | 13.29 | 11/19/2004 | 13.50 | 12/19/2004 | 13.37 |
| 7/20/2004 | 13.56 | 8/20/2004 | 13.53 | 9/20/2004 | 13.69 | 10/20/2004 | 13.38 | 11/20/2004 | 13.41 | 12/20/2004 | 13.68 |
| 7/21/2004 | 13.62 | 8/21/2004 | 13.38 | 9/21/2004 | 13.65 | 10/21/2004 | 13.48 | 11/21/2004 | 13.60 | 12/21/2004 | 13.38 |
| 7/22/2004 | 13.54 | 8/22/2004 | 13.51 | 9/22/2004 | 13.67 | 10/22/2004 | 13.58 | 11/22/2004 | 13.56 | 12/22/2004 | 13.53 |
| 7/23/2004 | 13.52 | 8/23/2004 | 13.49 | 9/23/2004 | 13.61 | 10/23/2004 | 13.49 | 11/23/2004 | 13.36 | 12/23/2004 | 13.13 |
| 7/24/2004 | 13.70 | 8/24/2004 | 13.51 | 9/24/2004 | 13.56 | 10/24/2004 | 13.32 | 11/24/2004 | 13.09 | 12/24/2004 | 13.79 |
| 7/25/2004 | 13.74 | 8/25/2004 | 13.56 | 9/25/2004 | 13.49 | 10/25/2004 | 13.46 | 11/25/2004 | 13.01 | 12/25/2004 | 13.71 |
| 7/26/2004 | 13.63 | 8/26/2004 | 13.57 | 9/26/2004 | 13.51 | 10/26/2004 | 13.58 | 11/26/2004 | 13.54 | 12/26/2004 | 13.61 |
| 7/27/2004 | 13.56 | 8/27/2004 | 13.58 | 9/27/2004 | 13.38 | 10/27/2004 | 13.56 | 11/27/2004 | 13.45 | 12/27/2004 | 13.94 |
| 7/28/2004 | 13.61 | 8/28/2004 | 13.52 | 9/28/2004 | 13.20 | 10/28/2004 | 13.67 | 11/28/2004 | 13.34 | 12/28/2004 | 13.92 |
| 7/29/2004 | 13.61 | 8/29/2004 | 13.39 | 9/29/2004 | 13.33 | 10/29/2004 | 13.51 | 11/29/2004 | 13.72 | 12/29/2004 | 13.73 |
| 7/30/2004 | 13.53 | 8/30/2004 | 13.43 | 9/30/2004 | 13.44 | 10/30/2004 | 13.33 | 11/30/2004 | 13.60 | 12/30/2004 | 13.74 |
| 7/31/2004 | 13.51 | 8/31/2004 | 13.57 | | | 10/31/2004 | 13.48 | | | 12/31/2004 | 13.68 |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

APPENDIX F

MAXEY FLATS DISPOSAL SITE
RAINFALL DATA
2004

ANNUAL REPORT
 Maxey Flats Disposal Site
 2004

RAIN FALL DATA 2004

| Date | Inches | Date | Inches | Date | Inches | Date | Inches |
|----------|--------|----------|--------|----------|--------|----------|--------|
| 01/01/04 | 0.00 | 02/01/04 | 0.00 | 03/01/04 | 0.00 | 04/01/04 | 0.04 |
| 01/02/04 | 0.17 | 02/02/04 | 0.04 | 03/02/04 | 0.60 | 04/02/04 | 0.03 |
| 01/03/04 | 0.91 | 02/03/04 | 0.31 | 03/03/04 | 0.00 | 04/03/04 | 0.18 |
| 01/04/04 | 0.00 | 02/04/04 | 0.21 | 03/04/04 | 0.34 | 04/04/04 | 0.01 |
| 01/05/04 | 0.38 | 02/05/04 | 0.00 | 03/05/04 | 0.09 | 04/05/04 | 0.00 |
| 01/06/04 | 0.39 | 02/06/04 | 0.57 | 03/06/04 | 1.88 | 04/06/04 | 0.00 |
| 01/07/04 | 0.00 | 02/07/04 | 0.27 | 03/07/04 | 0.10 | 04/07/04 | 0.00 |
| 01/08/04 | 0.00 | 02/08/04 | 0.00 | 03/08/04 | 0.01 | 04/08/04 | 0.00 |
| 01/09/04 | 0.00 | 02/09/04 | 0.10 | 03/09/04 | 0.00 | 04/09/04 | 0.00 |
| 01/10/04 | 0.00 | 02/10/04 | 0.00 | 03/10/04 | 0.00 | 04/10/04 | 0.00 |
| 01/11/04 | 0.00 | 02/11/04 | 0.00 | 03/11/04 | 0.00 | 04/11/04 | 0.00 |
| 01/12/04 | 0.05 | 02/12/04 | 0.00 | 03/12/04 | 0.00 | 04/12/04 | 0.00 |
| 01/13/04 | 0.03 | 02/13/04 | 0.01 | 03/13/04 | 0.00 | 04/13/04 | 0.89 |
| 01/14/04 | 0.00 | 02/14/04 | 0.00 | 03/14/04 | 0.00 | 04/14/04 | 0.51 |
| 01/15/04 | 0.01 | 02/15/04 | 0.00 | 03/15/04 | 0.02 | 04/15/04 | 0.07 |
| 01/16/04 | 0.00 | 02/16/04 | 0.00 | 03/16/04 | 0.03 | 04/16/04 | 0.00 |
| 01/17/04 | 0.00 | 02/17/04 | 0.00 | 03/17/04 | 0.11 | 04/17/04 | 0.00 |
| 01/18/04 | 0.24 | 02/18/04 | 0.00 | 03/18/04 | 0.08 | 04/18/04 | 0.00 |
| 01/19/04 | 0.40 | 02/19/04 | 0.00 | 03/19/04 | 0.06 | 04/19/04 | 0.00 |
| 01/20/04 | 0.00 | 02/20/04 | 0.00 | 03/20/04 | 0.00 | 04/20/04 | 0.00 |
| 01/21/04 | 0.00 | 02/21/04 | 0.03 | 03/21/04 | 0.11 | 04/21/04 | 0.02 |
| 01/22/04 | 0.00 | 02/22/04 | 0.00 | 03/22/04 | 0.00 | 04/22/04 | 0.27 |
| 01/23/04 | 0.00 | 02/23/04 | 0.00 | 03/23/04 | 0.00 | 04/23/04 | 0.43 |
| 01/24/04 | 0.00 | 02/24/04 | 0.00 | 03/24/04 | 0.00 | 04/24/04 | 0.33 |
| 01/25/04 | 0.00 | 02/25/04 | 0.00 | 03/25/04 | 0.02 | 04/25/04 | 0.00 |
| 01/26/04 | 0.00 | 02/26/04 | 0.00 | 03/26/04 | 0.00 | 04/26/04 | 0.20 |
| 01/27/04 | 0.17 | 02/27/04 | 0.00 | 03/27/04 | 0.00 | 04/27/04 | 0.06 |
| 01/28/04 | 0.05 | 02/28/04 | 0.00 | 03/28/04 | 0.10 | 04/28/04 | 0.00 |
| 01/29/04 | 0.00 | 02/29/04 | 0.00 | 03/29/04 | 0.00 | 04/29/04 | 0.00 |
| 01/30/04 | 0.00 | | | 03/30/04 | 0.60 | 04/30/04 | 0.00 |
| 01/31/04 | 0.00 | | | 03/31/04 | 0.62 | | |

| | | | | |
|--------|------|------|------|------|
| TOTAL: | 2.80 | 1.54 | 4.77 | 3.04 |
|--------|------|------|------|------|

Note: Rainfall data taken from rain gage located at the East Detention Basin

ANNUAL REPORT
 Maxey Flats Disposal Site
 2004

RAIN FALL DATA 2004

| Date | Inches | Date | Inches | Date | Inches | Date | Inches |
|----------|--------|----------|--------|----------|--------|----------|--------|
| 05/01/04 | 0.16 | 06/01/04 | 0.68 | 07/01/04 | 0.00 | 08/01/04 | 0.77 |
| 05/02/04 | 0.01 | 06/02/04 | 0.36 | 07/02/04 | 0.00 | 08/02/04 | 0.01 |
| 05/03/04 | 0.53 | 06/03/04 | 0.13 | 07/03/04 | 0.23 | 08/03/04 | 0.00 |
| 05/04/04 | 0.00 | 06/04/04 | 0.00 | 07/04/04 | 0.23 | 08/04/04 | 0.00 |
| 05/05/04 | 0.04 | 06/05/04 | 0.15 | 07/05/04 | 0.00 | 08/05/04 | 0.71 |
| 05/06/04 | 0.00 | 06/06/04 | 0.00 | 07/06/04 | 0.00 | 08/06/04 | 1.29 |
| 05/07/04 | 0.00 | 06/07/04 | 0.00 | 07/07/04 | 1.02 | 08/07/04 | 0.00 |
| 05/08/04 | 0.00 | 06/08/04 | 0.00 | 07/08/04 | 0.01 | 08/08/04 | 0.00 |
| 05/09/04 | 0.00 | 06/09/04 | 0.05 | 07/09/04 | 0.00 | 08/09/04 | 0.00 |
| 05/10/04 | 0.00 | 06/10/04 | 0.01 | 07/10/04 | 0.87 | 08/10/04 | 0.00 |
| 05/11/04 | 0.32 | 06/11/04 | 0.30 | 07/11/04 | 1.08 | 08/11/04 | 0.20 |
| 05/12/04 | 0.00 | 06/12/04 | 1.77 | 07/12/04 | 0.25 | 08/12/04 | 0.00 |
| 05/13/04 | 0.00 | 06/13/04 | 0.14 | 07/13/04 | 0.01 | 08/13/04 | 0.20 |
| 05/14/04 | 0.00 | 06/14/04 | 0.00 | 07/14/04 | 0.05 | 08/14/04 | 0.00 |
| 05/15/04 | 0.06 | 06/15/04 | 0.09 | 07/15/04 | 0.00 | 08/15/04 | 0.00 |
| 05/16/04 | 0.05 | 06/16/04 | 0.49 | 07/16/04 | 0.00 | 08/16/04 | 0.00 |
| 05/17/04 | 0.00 | 06/17/04 | 0.12 | 07/17/04 | 0.00 | 08/17/04 | 0.00 |
| 05/18/04 | 0.00 | 06/18/04 | 0.00 | 07/18/04 | 0.33 | 08/18/04 | 0.00 |
| 05/19/04 | 0.01 | 06/19/04 | 0.00 | 07/19/04 | 0.01 | 08/19/04 | 0.00 |
| 05/20/04 | 0.42 | 06/20/04 | 0.12 | 07/20/04 | 0.00 | 08/20/04 | 0.00 |
| 05/21/04 | 0.01 | 06/21/04 | 0.00 | 07/21/04 | 0.00 | 08/21/04 | 2.07 |
| 05/22/04 | 0.00 | 06/22/04 | 0.00 | 07/22/04 | 0.00 | 08/22/04 | 0.80 |
| 05/23/04 | 0.00 | 06/23/04 | 0.10 | 07/23/04 | 0.70 | 08/23/04 | 0.00 |
| 05/24/04 | 0.00 | 06/24/04 | 0.00 | 07/24/04 | 0.02 | 08/24/04 | 0.00 |
| 05/25/04 | 0.11 | 06/25/04 | 0.00 | 07/25/04 | 0.00 | 08/25/04 | 0.00 |
| 05/26/04 | 0.16 | 06/26/04 | 0.13 | 07/26/04 | 0.00 | 08/26/04 | 0.04 |
| 05/27/04 | 0.80 | 06/27/04 | 0.00 | 07/27/04 | 0.36 | 08/27/04 | 0.14 |
| 05/28/04 | 0.88 | 06/28/04 | 0.00 | 07/28/04 | 0.00 | 08/28/04 | 0.00 |
| 05/29/04 | 0.05 | 06/29/04 | 0.00 | 07/29/04 | 0.00 | 08/29/04 | 0.03 |
| 05/30/04 | 0.00 | 06/30/04 | 0.00 | 07/30/04 | 0.00 | 08/30/04 | 0.01 |
| 05/31/04 | 1.18 | | | 07/31/04 | 0.08 | 08/31/04 | 0.00 |

| | | | | |
|--------|------|------|------|------|
| TOTAL: | 4.79 | 4.64 | 5.25 | 6.27 |
|--------|------|------|------|------|

6/8-12/04 data obtained from office rain gauge due to power problem

ANNUAL REPORT
 Maxey Flats Disposal Site
 2004

RAIN FALL DATA 2004

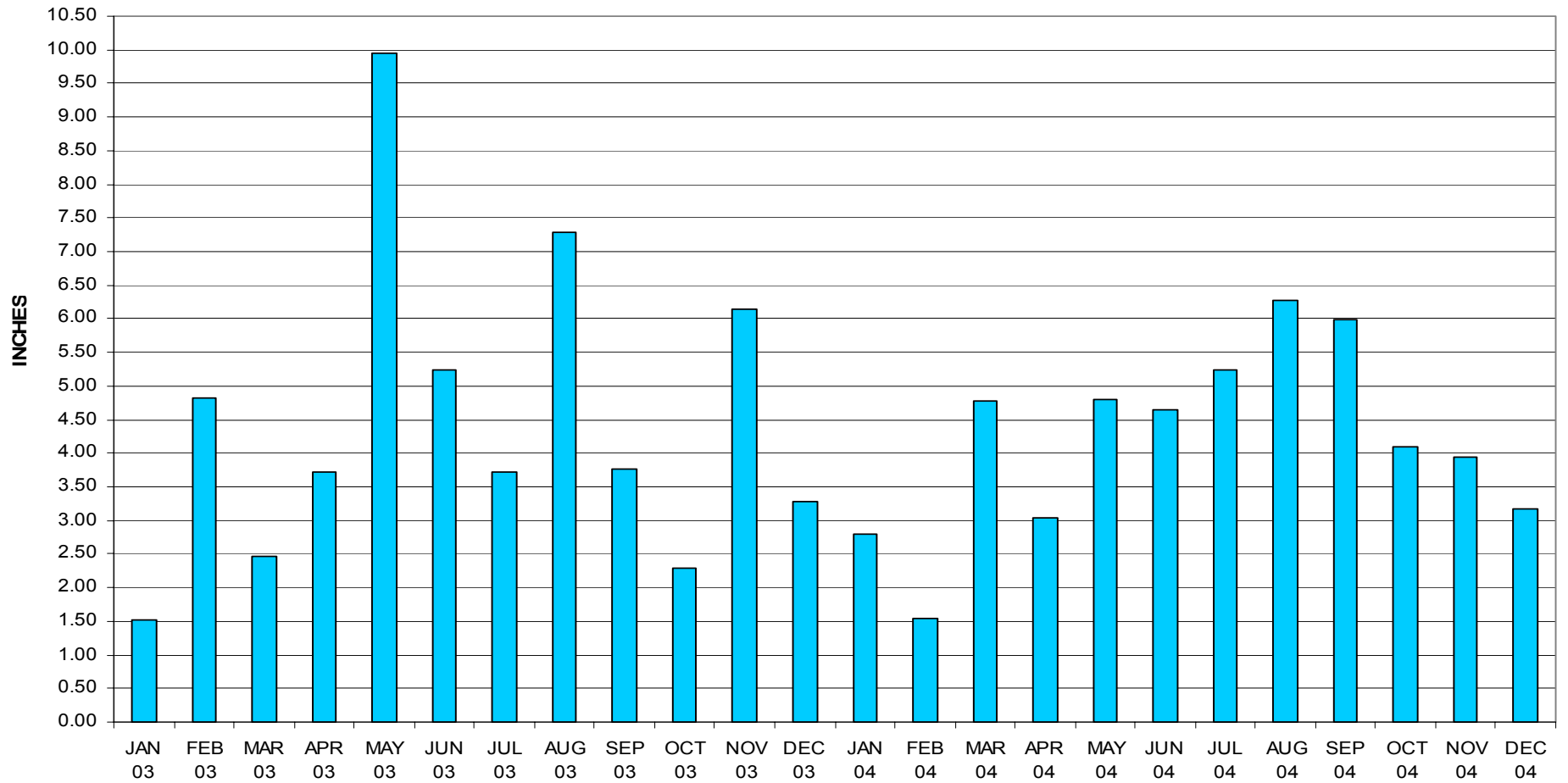
| Date | Inches | Date | Inches | Date | Inches | Date | Inches |
|----------|--------|----------|--------|----------|--------|----------|--------|
| 09/01/04 | 0.00 | 10/01/04 | 0.00 | 11/01/04 | 0.00 | 12/01/04 | 0.78 |
| 09/02/04 | 0.00 | 10/02/04 | 0.00 | 11/02/04 | 0.15 | 12/02/04 | 0.25 |
| 09/03/04 | 0.02 | 10/03/04 | 0.30 | 11/03/04 | 0.19 | 12/03/04 | 0.00 |
| 09/04/04 | 0.46 | 10/04/04 | 0.00 | 11/04/04 | 0.00 | 12/04/04 | 0.00 |
| 09/05/04 | 0.00 | 10/05/04 | 0.00 | 11/05/04 | 0.82 | 12/05/04 | 0.00 |
| 09/06/04 | 0.00 | 10/06/04 | 0.00 | 11/06/04 | 0.00 | 12/06/04 | 0.03 |
| 09/07/04 | 0.00 | 10/07/04 | 0.00 | 11/07/04 | 0.00 | 12/07/04 | 0.28 |
| 09/08/04 | 0.33 | 10/08/04 | 0.00 | 11/08/04 | 0.00 | 12/08/04 | 0.54 |
| 09/09/04 | 1.95 | 10/09/04 | 0.00 | 11/09/04 | 0.00 | 12/09/04 | 0.00 |
| 09/10/04 | 0.03 | 10/10/04 | 0.00 | 11/10/04 | 0.00 | 12/10/04 | 0.38 |
| 09/11/04 | 0.00 | 10/11/04 | 0.00 | 11/11/04 | 0.00 | 12/11/04 | 0.12 |
| 09/12/04 | 0.00 | 10/12/04 | 0.00 | 11/12/04 | 0.63 | 12/12/04 | 0.10 |
| 09/13/04 | 0.41 | 10/13/04 | 0.46 | 11/13/04 | 0.43 | 12/13/04 | 0.00 |
| 09/14/04 | 0.00 | 10/14/04 | 0.29 | 11/14/04 | 0.00 | 12/14/04 | 0.00 |
| 09/15/04 | 0.00 | 10/15/04 | 0.03 | 11/15/04 | 0.00 | 12/15/04 | 0.00 |
| 09/16/04 | 0.00 | 10/16/04 | 0.24 | 11/16/04 | 0.00 | 12/16/04 | 0.00 |
| 09/17/04 | 0.09 | 10/17/04 | 0.03 | 11/17/04 | 0.01 | 12/17/04 | 0.00 |
| 09/18/04 | 2.70 | 10/18/04 | 0.00 | 11/18/04 | 0.01 | 12/18/04 | 0.00 |
| 09/19/04 | 0.00 | 10/19/04 | 0.99 | 11/19/04 | 0.07 | 12/19/04 | 0.00 |
| 09/20/04 | 0.00 | 10/20/04 | 1.28 | 11/20/04 | 0.72 | 12/20/04 | 0.00 |
| 09/21/04 | 0.00 | 10/21/04 | 0.01 | 11/21/04 | 0.00 | 12/21/04 | 0.00 |
| 09/22/04 | 0.00 | 10/22/04 | 0.01 | 11/22/04 | 0.00 | 12/22/04 | 0.03 |
| 09/23/04 | 0.00 | 10/23/04 | 0.00 | 11/23/04 | 0.00 | 12/23/04 | 0.20 |
| 09/24/04 | 0.00 | 10/24/04 | 0.22 | 11/24/04 | 0.01 | 12/24/04 | 0.44 |
| 09/25/04 | 0.00 | 10/25/04 | 0.02 | 11/25/04 | 0.47 | 12/25/04 | 0.00 |
| 09/26/04 | 0.00 | 10/26/04 | 0.00 | 11/26/04 | 0.08 | 12/26/04 | 0.00 |
| 09/27/04 | 0.00 | 10/27/04 | 0.00 | 11/27/04 | 0.00 | 12/27/04 | 0.00 |
| 09/28/04 | 0.00 | 10/28/04 | 0.15 | 11/28/04 | 0.36 | 12/28/04 | 0.00 |
| 09/29/04 | 0.00 | 10/29/04 | 0.00 | 11/29/04 | 0.00 | 12/29/04 | 0.03 |
| 09/30/04 | 0.00 | 10/30/04 | 0.00 | 11/30/04 | 0.00 | 12/30/04 | 0.00 |
| | | 10/31/04 | 0.07 | | | 12/31/04 | 0.00 |

| | | | | |
|--------|------|------|------|------|
| TOTAL: | 5.99 | 4.10 | 3.95 | 3.18 |
|--------|------|------|------|------|

2004 TOTAL: **50.32**

ANNUAL REPORT
Maxey Flats Disposal Site
2004

Maxey Flats Disposal Site
Monthly Rainfall Measurements
2003-2004



ANNUAL REPORT
Maxey Flats Disposal Site
2004

APPENDIX G

MAXEY FLATS DISPOSAL SITE
INITIAL REMEDIAL PHASE CAP MAINTENANCE
LINER REPAIRS
2004

Geo-membrane Liner Repair Form

Date Discover: 4/7/04

Date Repairs Completed: 5/17/04

Weather Conditions: Sunny 60°

Repair Section

Technician: Jeff Stumper

Description of Defect:

Assigned Defect ID: 040704-1
 Panel Number: 98
 Location: NW corner of LP98
 Size: 1"
 Roll Stock Number: _____

Check List:

| | |
|---|------------|
| Area cleaned prior to welding | Yes / No |
| Necessary material obtained | <u>Yes</u> |
| Equipment operational | <u>Yes</u> |
| Type of welding: <input checked="" type="checkbox"/> Extrusion <input type="checkbox"/> Wedge | <u>Yes</u> |

Checks to be made Prior to Repair:

Is test seams made at the beginning of seaming period? yes
 Is test seams made of identical material? yes
 Is test seams appropriate length and width? yes

Checks to be made upon Completion of repair:

Is welder cleaned after use? yes
 Is area cleaned of all scrap material and equipment? yes
 Was vehicle used for transporting material/equipment? yes
 Follow-up inspection of liner for vehicle's path of travel? yes

Note: Answer of "no" must be explained: _____

Seaming Apparatus ID: 456149
 Seaming Personnel: Jeff Stumper

QC Section

Check List:

| | |
|---|------------|
| Area cleaned prior to repairs: | Yes / No |
| Equipment check: | <u>yes</u> |
| Area cleaned upon completion of repair: | <u>yes</u> |

Checks to be made Prior to Testing:

Have the specimens been tested for shear and peel? yes
 Have the results of test seam samples been obtained and verified? yes

Retest:

If specimens failed, have the deficiencies of the seamer and seaming apparatus been corrected and retested? _____
 After repairing the deficiencies, have new test seams been successfully tested? _____

QC Technician: Tom Stewart

Geo-membrane Liner QA Form

Date / Time: 5/17/04 0920

Weather Conditions: Sunny 60°

QC Technician: Tom Stewart

Defective area Information:

Patch ID 040704-1
Size: 12"
Type: Extrusion
Panel Number 98
Area of Panel: NW corner

Type of welding: Extrusion Wedge

Type of testing: Vacuum Box Air Lance

Locate defect on large scale map:

Is the liner surface clean? yes

Is the soap solution rich enough to create bubbles? yes

Is the vacuum box surface clear and clean? yes

Is the vacuum box equipped with a vacuum gauge? yes

Photo of defective area:

Site ID for photo: 42/43

Yes / No

yes
yes
yes
yes
yes

yes

QC Information

Inspection of material used: OK
(Verified from Liner Repair Form)

Sub-grade check required: _____
if required fill out

Yes / No

Does the vacuum box completely seal the area? yes

Vacuum box pressure ranges from 3 to 15 psi?

(For Vacuum box testing)

Air Lance pressure set at 15 psi?

(For wedge welding of seams)

Was the repaired section 100% tested? yes

Water Mattress

Was a sample collected? _____

Estimated amount of liquid _____

Released Contained

Note: Leave all section blank if not a water mattress

Additional Comments: _____

Geo-membrane Liner Repair Form

Date Discovered: 4/16/04

Date Repairs Completed: 5/17/04 Weather Conditions: Cloudy 65°

Repair Section

Technician: Jeff Stamper

Description of Defect:

Assigned Defect ID: 041604-1
 Panel Number: 137
 Location: NE Corner
 Size: 6"
 Roll Stock Number: _____

Check List:

| | |
|---|------------|
| Area cleaned prior to welding | Yes / No |
| Necessary material obtained | <u>yes</u> |
| Equipment operational | <u>yes</u> |
| Type of welding: <input checked="" type="checkbox"/> Extrusion <input type="checkbox"/> Wedge | <u>yes</u> |

Checks to be made Prior to Repair:

Is test seams made at the beginning of seaming period? yes
 Is test seams made of identical material? yes
 Is test seams appropriate length and width? yes

Checks to be made upon Completion of repair:

Is welder cleaned after use? yes
 Is area cleaned of all scrap material and equipment? yes
 Was vehicle used for transporting material/equipment? yes
 Follow-up inspection of liner for vehicle's path of travel? yes

Note: Answer of "no" must be explained: _____

Seaming Apparatus ID: 456149
 Seaming Personnel: Jeff Stamper

QC Section

Check List:

| | |
|---|------------|
| Area cleaned prior to repairs: | Yes / No |
| Equipment check: | <u>yes</u> |
| Area cleaned upon completion of repair: | <u>yes</u> |

Checks to be made Prior to Testing:

Have the specimens been tested for shear and peel? yes
 Have the results of test seam samples been obtained and verified? yes

Retest:

If specimens failed, have the deficiencies of the seamer and seaming apparatus been corrected and retested? _____
 After repairing the deficiencies, have new test seams been successfully tested? _____

QC Technician: Tom Stewart

Geo-membrane Liner QA Form

Date / Time: 5/17/04 0935

Weather Conditions: Cloudy 65°

QC Technician: Tom Stewart

Defective area Information:

Patch ID 041604-1
Size: 14"
Type: Extrusion
Panel Number 137
Area of Panel: NE Corner

Type of welding: Extrusion Wedge
Type of testing: Vacuum Box Air Lance

Locate defect on large scale map:

Is the liner surface clean?

Is the soap solution rich enough to create bubbles?

Is the vacuum box surface clear and clean?

Is the vacuum box equipped with a vacuum gauge?

Yes / No

yes

yes

yes

yes

yes

Photo of defective area:

Site ID for photo: 14, 15, 16 / 41

yes

QC Information

Inspection of material used: OK
(Verified from Liner Repair Form)

Sub-grade check required:
if required fill out

Yes / No

Does the vacuum box completely seal the area?

yes

Vacuum box pressure ranges from 3 to 15 psi?

yes

(For Vacuum box testing)

Air Lance pressure set at 15 psi?

yes

(For wedge welding of seams)

Was the repaired section 100% tested?

yes

Water Mattress

Was a sample collected?

Estimated amount of liquid

Released Contained

Note: Leave all section blank if not a water mattress

Additional Comments:

Geo-membrane Liner Repair Form

Date Discovered: 4/16/04

Date Repairs Completed: 5/24/04

Weather Conditions: Cloudy 65°

Repair Section

Technician: Jeff Stamper

Description of Defect:

Assigned Defect ID: 041604-2

Panel Number: 237

Location: Middle of N edge

Size: 1/2"

Roll Stock Number: _____

Check List:

Area cleaned prior to welding

Yes / No

yes

Necessary material obtained

yes

Equipment operational

yes

Type of welding: Extrusion Wedge

Checks to be made Prior to Repair:

Is test seams made at the beginning of seaming period?

yes

Is test seams made of identical material?

yes

Is test seams appropriate length and width?

yes

Checks to be made upon Completion of repair:

Is welder cleaned after use?

yes

Is area cleaned of all scrap material and equipment?

yes

Was vehicle used for transporting material/equipment?

yes

Follow-up inspection of liner for vehicle's path of travel?

yes

Note: Answer of "no" must be explained: _____

Seaming Apparatus ID: 456 149

Seaming Personnel: Jeff Stamper

QC Section

Check List:

Area cleaned prior to repairs:

Yes / No

yes

Equipment check:

yes

Area cleaned upon completion of repair:

yes

Checks to be made Prior to Testing:

Have the specimens been tested for shear and peel?

yes

Have the results of test seam samples been obtained and verified?

yes

Retest:

If specimens failed, have the deficiencies of the seamer and seaming apparatus been corrected and retested?

After repairing the deficiencies, have new test seams been successfully tested?

QC Technician: Tom Stewart

Geo-membrane Liner QA Form

Date / Time: 5/24/04 0915

Weather Conditions: Cloudy 65°

QC Technician: Tom Stewart

Defective area Information:

Patch ID: 041604-2
 Size: 10"
 Type: Extrusion
 Panel Number: 237
 Area of Panel: Middle of N edge

Type of welding: Extrusion Wedge
 Type of testing: Vacuum Box Air Lance

Locate defect on large scale map:

Is the liner surface clean? Yes

Is the soap solution rich enough to create bubbles? Yes

Is the vacuum box surface clear and clean? Yes

Is the vacuum box equipped with a vacuum gauge? Yes

Photo of defective area:

Site ID for photo: 63/64 Yes

QC Information

Inspection of material used: OK
(Verified from Liner Repair Form)

Sub-grade check required: _____
(if required fill out)

Does the vacuum box completely seal the area? Yes

Vacuum box pressure ranges from 3 to 15 psi?
(For Vacuum box testing) Yes

Air Lance pressure set at 15 psi?
(For wedge welding of seams) Yes

Was the repaired section 100% tested? Yes

Water Mattress

Was a sample collected? _____

Estimated amount of liquid _____

Released Contained

Note: Leave all sections blank if not a water mattress

Additional Comments: _____

Geo-membrane Liner Repair Form

Date Discovered: 4/17/04

Date Repairs Completed: 5/17/04 Weather Conditions: Cloudy 65°

Repair Section

Technician: Jeff Stamper

Description of Defect:

Assigned Defect ID: 041704-1

Panel Number: 192

Location: 10' S of NW Corner

Size: 1/2"

Roll Stock Number: _____

Check List:

Area cleaned prior to welding

Necessary material obtained

Equipment operational

Type of welding: Extrusion Wedge

Yes / No

yes

yes

yes

Checks to be made Prior to Repair:

Is test seams made at the beginning of seaming period?

Is test: seams made of identical material?

Is test seams appropriate length and width?

yes

yes

yes

Checks to be made upon Completion of repair:

Is welder cleaned after use?

Is area cleaned of all scrap material and equipment?

Was vehicle used for transporting material/equipment?

Follow-up inspection of liner for vehicle's path of travel?

yes

yes

yes

yes

Note: Answer of "no" must be explained:

Seaming Apparatus ID: 456149

Seaming Personnel: Jeff Stamper

QC Section

Check List:

Area cleaned prior to repairs:

Equipment check:

Area cleaned upon completion of repair:

Yes / No

yes

yes

yes

Checks to be made Prior to Testing:

Have the specimens been tested for shear and peel?

Have the results of test seam samples been obtained and verified?

yes

yes

Retest:

If specimens failed, have the deficiencies of the seamer and seaming apparatus been corrected and retested?

After repairing the deficiencies, have new test seams been successfully tested?

QC Technician: Tom Stewart

Geo-membrane Liner QA Form

Date / Time: 5/17/04 0950

Weather Conditions: Cloudy 65°

QC Technician: Tom Stewart

Defective area Information:

Patch ID 041704-1
Size: 16"
Type: Extrusion
Panel Number 192
Area of Panel: 10' S of NW corner

Type of welding: Extrusion Wedge
Type of testing: Vacuum Box Air Lance

Locate defect on large scale map:

Is the liner surface clean? yes
Is the soap solution rich enough to create bubbles? yes
Is the vacuum box surface clear and clean? yes
Is the vacuum box equipped with a vacuum gauge? yes

Photo of defective area: _____
Site ID for photo: 50/51

QC Information

Inspection of material used: OK
(Verified from Liner Repair Form)
Sub-grade check required: _____
(If required fill out)

Does the vacuum box completely seal the area? yes
Vacuum box pressure ranges from 3 to 15 psi? yes
(For Vacuum box testing)
Air Lance pressure set at 15 psi? yes TS
(For wedge welding of seams)
Was the repaired section 100% tested? yes

Water Mattress

Was a sample collected? _____
Estimated amount of liquid _____
Released Contained
Note: Leave a / section blank if not a water mattress

Additional Comments: _____

Geo-membrane Liner Repair Form

Date Discovered: 5/4/04

Date Repairs Completed: 5/17/04 Weather Conditions: Sunny 65°

Repair Section

Technician: Tom Stewart

Description of Defect:

Assigned Defect ID: 050404-1

Panel Number: 180

Location: 5' S of ~~NW~~ NE Corner

Size: 1"

Roll Stock Number: _____

Check List:

Area cleaned prior to welding

Yes / No

yes

Necessary material obtained

yes

Equipment operation:

yes

Type of welding: Extrusion Wedge

Checks to be made Prior to Repair:

Is test seams made at the beginning of seaming period?

yes

Is test seams made of identical material?

yes

Is test seams appropriate length and width?

yes

Checks to be made upon Completion of repair:

Is welder cleaned after use?

yes

Is area cleaned of all scrap material and equipment?

yes

Was vehicle used for transporting material/equipment?

yes

Follow-up inspection of liner for vehicle's path of travel?

yes

Note: Answer of "no" must be explained:

Seaming Apparatus ID: 456/49

Seaming Personnel: Tom Stewart

QC Section

Check List:

Area cleaned prior to repairs:

Yes / No

yes

Equipment check:

yes

Area cleaned upon completion of repair:

yes

Checks to be made Prior to Testing:

Have the specimens been tested for shear and peel?

yes

Have the results of test seam samples been obtained and verified?

yes

Retest:

If specimens failed, have the deficiencies of the seamer and seaming apparatus been corrected and retested?

After repairing the deficiencies, have new test seams been successfully tested?

QC Technician: Jeff Stanger

Geo-membrane Liner QA Form

Date / Time: 5/17/04 1015

Weather Conditions: Sunny 65°

QC Technician: Jeff Stamper

Defective area information:

Patch ID 050404-1
Size: 8"
Type: Extrusion
Panel Number 180
Area of Panel: 5' S of NW Corner

Type of welding: Extrusion Wedge
Type of testing: Vacuum Box Air Lance

Locate defect on large scale map:

Is the liner surface clean? yes
Is the soap solution rich enough to create bubbles? yes
Is the vacuum box surface clear and clean? yes
Is the vacuum box equipped with a vacuum gauge? yes

Photo of defective area:
Site ID for photo: 44/46 yes

QC Information

Inspection of material used: OK
(Verified from the Repair Form)
Sub-grade check required: _____
(required fill out)

Does the vacuum box completely seal the area? yes
Vacuum box pressure ranges from 3 to 15 psi?
(For Vacuum box testing) yes
Air Lance pressure set at 15 psi?
(For wedge welding of seams) yes TD
Was the repaired section 100% tested? yes

Water Mattress
Was a sample collected? _____
Estimated amount of liquid _____
Released Contained
Note: Leave all section blank if not a water mattress

Additional Comments: _____

Geo-membrane Liner Repair Form

Date Discover: 5/4/04

Date Repairs Completed: 5/17/04

Weather Conditions: Sunny 65°

Repair Section

Technician: Tom Stewart

Description of Defect:

Assigned Defect ID: 050404-2

Panel Number: 180

Location: 8' S of ~~Top~~ NE Corner

Size: 1"

Roll Stock Number: _____

Check List:

- | | |
|---|------------|
| Area cleaned prior to welding | Yes / No |
| Necessary material obtained | <u>yes</u> |
| Equipment operational | <u>yes</u> |
| Type of welding: <input checked="" type="checkbox"/> Extrusion <input type="checkbox"/> Wedge | <u>yes</u> |

Checks to be made Prior to Repair:

- Is test seams made at the beginning of seaming period? yes
- Is test seams made of identical material? yes
- Is test seams appropriate length and width? yes

Checks to be made upon Completion of repair:

- Is welder cleaned after use? yes
- Is area cleaned of all scrap material and equipment? yes
- Was vehicle used for transporting material/equipment? yes
- Follow-up inspection of liner for vehicle's path of travel? yes

Note: Answer of "no" must be explained:

Seaming Apparatus ID: 456/49

Seaming Personnel: Tom Stewart

QC Section

Check List:

- | | |
|---|------------|
| Area cleaned prior to repairs: | Yes / No |
| Equipment check: | <u>yes</u> |
| Area cleaned upon completion of repair: | <u>yes</u> |

Checks to be made Prior to Testing:

- Have the specimens been tested for shear and peel? yes
- Have the results of test seam samples been obtained and verified? yes

Retest:

- If specimens failed, have the deficiencies of the seamer and seaming apparatus been corrected and retested? _____
- After repairing the deficiencies, have new test seams been successfully tested? _____

QC Technician: Jeff Stanger

Geo-membrane Liner QA Form

Date / Time: 5/17/04 1025

Weather Conditions: Sunny 65°

QC Technician: Jeff Stanger

Defective area Information:

Patch ID 050404-2
Size: 12'
Type: Extrusion
Panel Number 180
Area of Patch: 8' S of ~~to~~ corner

Type of welding: Extrusion Wedge
Type of testing: Vacuum Box Air Lance

Locate defect on large scale map:

- Is the liner surface clean? yes
- Is the soap solution rich enough to create bubbles? yes
- Is the vacuum box surface clear and clean? yes
- Is the vacuum box equipped with a vacuum gauge? yes

Photo of defective area: 45/49
Site ID for photo: 45/49

QC Information

Inspection of material used: OK
(Verified from Liner Repair Form)
Sub-grade check required: _____
If required fill out

- Does the vacuum box completely seal the area? yes
- Vacuum box pressure ranges from 3 to 15 psi?
(For Vacuum box testing) yes
- Air Lance pressure set at 15 psi?
(For wedge welding of seams) yes
- Was the repaired section 100% tested? yes

Yes / No

Yes / No

Water Mattress

Was a sample collected? _____
Estimated amount of liquid _____
Released Contained
Note: Leave all section blank if not a water mattress

Additional Comments: _____

Geo-membrane Liner Repair Form

Date Discover: 5/4/04

Date Repairs Completed: 5/24/04 Weather Conditions: Sunny 65°

Repair Section

Technician: Tom Stewart

Description of Defect:

Assigned Defect ID: 050404-3

Panel Number: 378

Location: ← Above Corner

Size: 1"

Roll Stock Number: _____

Check List:

Area cleaned prior to welding

Necessary material obtained

Equipment operational

Type of welding: Extrusion Wedge

Yes / No

yes
yes
yes

Checks to be made Prior to Repair:

Is test seams made at the beginning of seaming period?

Is test seams made of identical material?

Is test seams appropriate length and width?

yes
yes
yes

Checks to be made upon Completion of repair:

Is welder cleaned after use?

Is area cleaned of all scrap material and equipment?

Was vehicle used for transporting material/equipment?

Follow-up inspection of liner for vehicle's path of travel?

yes
yes
yes
yes

Note: Answer of "no" must be explained: _____

Seaming Apparatus ID: 456149
Seaming Personnel: Tom Stewart

QC Section

Check List:

Area cleaned prior to repairs:

Equipment check:

Area cleaned upon completion of repair:

Yes / No

yes
yes
yes

Checks to be made Prior to Testing:

Have the specimens been tested for shear and peel?

Have the results of test seam samples been obtained and verified?

yes
yes

Retest:

If specimens failed; have the deficiencies of the seamer and seaming apparatus been corrected and retested?

After repairing the deficiencies, have new test seams been successfully tested?

QC Technician: Jeff Stemper

Geo-membrane Liner QA Form

Date / Time: 5/24/04 0930

Weather Conditions: Sunny 65°

QC Technician: Jeff Stamper

Defective area Information:

Patch ID 050404-3
Size: 13"
Type: Extrusion
Panel Number 378
Area of Panel: to NW Corner

Type of welding: Extrusion Wedge
Type of testing: Vacuum Box Air Lance

Locate defect on large scale map:

Is the liner surface clean? yes
Is the soap solution rich enough to create bubbles? yes
Is the vacuum box surface clear and clean? yes
Is the vacuum box equipped with a vacuum gauge? yes

Photo of defective area: yes
Site ID for photo: 65/66

QC Information

Inspection of material used: OK
(Verified from Liner Repair Form)
Sub-grade check required: _____
if required fill out

Does the vacuum box completely seal the area? yes
Vacuum box pressure ranges from 3 to 15 psi?
(For Vacuum box testing) yes
Air Lance pressure set at 15 psi?
(For wedge welding of seams) _____
Was the repaired section 100% tested? yes

Water Mattress

Was a sample collected? _____
Estimated amount of liquid _____
Released Contained
Note: Leave all section blank if not a water mattress

Additional Comments: _____

Geo-membrane Liner Repair Form

Date Discovered: 5/4/04

Date Repairs Completed: 5/17/04 Weather Conditions: Sunny 65°

Repair Section

Technician: Jeff Stamper

Description of Defect:

Assigned Defect ID: 050404-4

Panel Number: 387

Location: 5' W of NE corner

Size: 24"

Roll Stock Number: _____

Check List:

| | |
|-------------------------------|------------|
| Area cleaned prior to welding | Yes / No |
| Necessary material obtained | <u>yes</u> |
| Equipment operational | <u>yes</u> |

Type of welding: Extrusion Wedge

Checks to be made Prior to Repair:

| | |
|--|------------|
| Is test seams made at the beginning of seaming period? | <u>yes</u> |
| Is test seams made of identical material? | <u>yes</u> |
| Is test: seams appropriate length and width? | <u>yes</u> |

Checks to be made upon Completion of repair:

| | |
|---|------------|
| Is welder cleaned after use? | <u>yes</u> |
| Is area cleaned of all scrap material and equipment? | <u>yes</u> |
| Was vehicle used for transporting material/equipment? | <u>yes</u> |
| Follow-up inspection of liner for vehicle's path of travel? | <u>yes</u> |

Note: Answer of "no" must be explained: _____

Seaming Apparatus ID: 456149
 Seaming Personnel: Jeff Stamper

QC Section

Check List:

| | |
|---|------------|
| Area cleaned prior to repairs: | Yes / No |
| Equipment check: | <u>yes</u> |
| Area cleaned upon completion of repair: | <u>yes</u> |

Checks to be made Prior to Testing:

| | |
|---|------------|
| Have the specimens been tested for shear and peel? | <u>yes</u> |
| Have the results of test seam samples been obtained and verified? | <u>yes</u> |

Retest:

If specimens failed, have the deficiencies of the seamer and seaming apparatus been corrected and retested? _____

After repairing the deficiencies, have new test seams been successfully tested? _____

QC Technician: Tom Stewart

Geo-membrane Liner QA Form

Date / Time: 5/17/04 1030

Weather Conditions: Sunny 65°

QC Technician: Tom Stewart

Defective area Information:

Patch ID: 050404-4
Size: 36"
Type: Extrusion
Panel Number: 387
Area of Panel: 5' W of Panel NE Corner

Type of welding: Extrusion Wedge

Type of testing: Vacuum Box Air Lance

Locate defect on large scale map:

- Is the liner surface clean? yes
- Is the soap solution rich enough to create bubbles? yes
- Is the vacuum box surface clear and clean? yes
- Is the vacuum box equipped with a vacuum gauge? yes

Photo of defective area: yes
Site ID for photo: 35, 36, 37, 38 / 73

QC Information

Inspection of material used: OK
(Verified from Liner Repair Form)
Sub-grade check required:
if required (i.e. out)

- Does the vacuum box completely seal the area? By No
- Vacuum box pressure ranges from 3 to 15 psi? yes
(For Vacuum box testing)
- Air Lance pressure set at 15 psi?
(For wedge welding of seams)
- Was the repaired section 100% tested? yes

Water Mattress

Was a sample collected?
Estimated amount of liquid
Released Contained
Note: Leave all section blank if not a water mattress

Additional Comments: Area was lystered on 5/4/04 for temporary repair. Extrusion welding (complete repair) was completed on 5/17/04 in conjunction with other repairs; after air lancing was completed.

Geo-membrane Liner Repair Form

Date Discovered: 5/5/04

Date Repairs Completed: 5/24/04

Weather Conditions: Sunny 78°

Repair Section

Technician: Jeff Stamper

Description of Defect:

Assigned Defect ID: 050504-1

Panel Number: 341

Location: NE Corner

Size: 1/2"

Roll Stock Number: _____

Check List:

Area cleaned prior to welding

Yes / No

yes

Necessary material obtained

yes

Equipment operational

yes

Type of welding: Extrusion Wedge

Checks to be made Prior to Repair:

Is test seams made at the beginning of seaming period?

yes

Is test seams made of identical material?

yes

Is test seams appropriate length and width?

yes

Checks to be made upon Completion of repair:

Is welder cleaned after use?

yes

Is area cleaned of all scrap material and equipment?

yes

Was vehicle used for transporting material/equipment?

yes

Follow-up inspection of liner for vehicle's path of travel?

yes

Note: Answer of "no" must be explained:

Seaming Apparatus ID: 456 149

Seaming Personnel: Jeff Stamper

QC Section

Check List:

Area cleaned prior to repairs:

Yes / No

yes

Equipment check:

yes

Area cleaned upon completion of repair:

yes

Checks to be made Prior to Testing:

Have the specimens been tested for shear and peel?

yes

Have the results of test seam samples been obtained and verified?

yes

Retest:

If specimens failed, have the deficiencies of the seamer and seaming apparatus been corrected and retested?

After repairing the deficiencies, have new test seams been successfully tested?

QC Technician: Tom Stewart

Geo-membrane Liner QA Form

Date / Time: 5/24/04 0945

Weather Conditions: Sunny 78°

QC Technician: Tom Stewart

Defective area Information:

Patch ID: 050504-1
Size: 8"
Type: Extrusion
Panel Number: 341
Area of Panel: NE Corner

Type of welding: Extrusion Wedge

Type of testing: Vacuum Box Air Lance

Locate defect on large scale map:

Is the liner surface clean? yes

Is the soap solution rich enough to create bubbles? yes

Is the vacuum box surface clear and clean? yes

Is the vacuum box equipped with a vacuum gauge? yes

Photo of defective area:

Site ID for photo: 67/68 yes

QC Information

Inspection of material used: OK
(Verified from Liner Repair Form)

Sub-grade check required: _____
If required fill out

Yes / No

Does the vacuum box completely seal the area? yes

Vacuum box pressure ranges from 3 to 15 psi?
(For Vacuum box testing) yes

Air Lance pressure set at 15 psi?
(For wedge welding of seams) _____

Was the repaired section 100% tested? yes

Water Mattress

Was a sample collected? _____

Estimated amount of liquid _____

Released Contained

Note: Leave all section blank if not a water mattress

Additional Comments: _____

Geo-membrane Liner Repair Form

Date Discovered: 5/5/04

Date Repairs Completed: 5/24/04

Weather Conditions: Sunny 78°

Repair Section

Technician: Jeff Stomper

Description of Defect:

Assigned Defect ID: 050504-2

Panel Number: 341

Location: NE Corner

Size: 1/2"

Roll Stock Number: _____

Check List:

Area cleaned prior to welding

Necessary material obtained

Equipment operational

Type of welding: Extrusion Wedge

Yes / No

yes
yes
yes

Checks to be made Prior to Repair:

Is test seams made at the beginning of seaming period?

Is test seams made of identical material?

Is test seams appropriate length and width?

yes
yes
yes

Checks to be made upon Completion of repair:

Is welder cleaned after use?

Is area cleaned of all scrap material and equipment?

Was vehicle used for transporting material/equipment?

Follow-up inspection of liner for vehicle's path of travel?

yes
yes
yes
yes

Note: Answer of "no" must be explained:

Seaming Apparatus ID: 456149

Seaming Personnel: Jeff Stomper

QC Section

Check List:

Area cleaned prior to repairs:

Equipment check:

Area cleaned upon completion of repair:

Yes / No

yes
yes
yes

Checks to be made Prior to Testing:

Have the specimens been tested for shear and peel?

Have the results of test seam samples been obtained and verified?

yes
yes

Retest:

If specimens failed, have the deficiencies of the seamer and seaming apparatus been corrected and retested?

After repairing the deficiencies, have new test seams been successfully tested?

QC Technician: Tom Stewart

Geo-membrane Liner QA Form

Date / Time: 5/24/04 0955

Weather Conditions: Sunny 78°

QC Technician: TGM Stewart

Defective area Information:

Patch ID 050504-2
Size: 6"
Type: Extrusion
Panel Number 341
Area of Panel: NE Corner

Type of welding: Extrusion Wedge
Type of testing: Vacuum Box Air Lance

Locate defect on large scale map:

Is the liner surface clean? yes
Is the soap solution rich enough to create bubbles? yes
Is the vacuum box surface clear and clean? yes
Is the vacuum box equipped with a vacuum gauge? yes

Photo of defective area: yes
Site ID for photo: 67/68

QC Information

Inspection of material used: OK
(Verified from Liner Repair Form)
Sub-grade check required: _____
if required fill out:

Does the vacuum box completely seal the area? yes
Vacuum box pressure ranges from 3 to 15 psi?
(For Vacuum box testing) yes
Air Lance pressure set at 15 psi?
(For wedge welding of seams) _____
Was the repaired section 100% tested? yes

Water Mattress

Was a sample collected? _____
Estimated amount of liquid _____
Released Contained
Note: Leave all section blank if not a water mattress

Additional Comments: _____

Geo-membrane Liner Repair Form

Date Discover: 5/5/04

Date Repairs Completed: 5/24/04 Weather Conditions: Sunny 78°

Repair Section

Technician: Tom Stewart

Description of Defect:

Assigned Defect ID: 050504-3
 Panel Number: 343
 Location: 3' NE of SW corner
 Size: 2"
 Roll Stock Number: _____

Check List:

| | |
|--|------------|
| Area cleaned prior to welding | Yes / No |
| Necessary material obtained | <u>yes</u> |
| Equipment operational | <u>yes</u> |
| Type of welding: <input checked="" type="checkbox"/> Extrusion <input type="checkbox"/> Wedge | <u>yes</u> |

Checks to be made Prior to Repair:

| | |
|--|------------|
| Is test seams made at the beginning of seaming period? | <u>yes</u> |
| Is test seams made of identical material? | <u>yes</u> |
| Is test seams appropriate length and width? | <u>yes</u> |

Checks to be made upon Completion of repair:

| | |
|---|------------|
| Is welder cleaned after use? | <u>yes</u> |
| Is area cleaned of all scrap material and equipment? | <u>yes</u> |
| Was vehicle used for transporting material/equipment? | <u>yes</u> |
| Follow-up inspection of liner for vehicle's path of travel? | <u>yes</u> |

Note: Answer of "no" must be explained: _____

Seaming Apparatus ID: 456149
 Seaming Personnel: Tom Stewart

QC Section

Check List:

| | |
|---|------------|
| Area cleaned prior to repairs: | Yes / No |
| Equipment check: | <u>yes</u> |
| Area cleaned upon completion of repair: | <u>yes</u> |

Checks to be made Prior to Testing:

| | |
|---|------------|
| Have the specimens been tested for shear and peel? | <u>yes</u> |
| Have the results of test seam samples been obtained and verified? | <u>yes</u> |

Retest:

If specimens failed, have the deficiencies of the seamer and seaming apparatus been corrected and retested? _____
 After repairing the deficiencies, have new test seams been successfully tested? _____

QC Technician: Jeff Stamper

Geo-membrane Liner QA Form

Date / Time: 5/24/04 10¹⁵

Weather Conditions: Sunny 78°

QC Technician: Jeff Stamper

Defective area Information:

Patch ID: ~~050404~~⁷⁵ 050504-3
Size: 5"
Type: Extrusion
Panel Number: 343
Area of Panel: 3' NE of SW corner

Type of welding: Extrusion Wedge
Type of testing: Vacuum Box Air Lance

Locate defect on large scale map: yes
Is the liner surface clean? yes
Is the soap solution rich enough to create bubbles? yes
Is the vacuum box surface clear and clean? yes
Is the vacuum box equipped with a vacuum gauge? yes

Photo of defective area: yes
Site ID for photo: 71/72

QC Information

Inspection of material used: OK
(Verified from Liner Repair Form)
Sub-grade check required: _____
if required fill out

Does the vacuum box completely seal the area? yes
Vacuum box pressure ranges from 3 to 15 psi?
(For Vacuum box testing) yes
Air Lance pressure set at 15 psi?
(For wedge welding of seams) _____
Was the repaired section 100% tested? yes

Water Mattress

Was a sample collected? _____
Estimated amount of liquid _____
Released Contained
Note: Leave all section blank if not a water mattress

Additional Comments: _____

Geo-membrane Liner Repair Form

Date Discover: 5/5/04

Date Repairs Completed: 5/24/04

Weather Conditions: Sunny 78°

Repair Section

Technician: Tom Stewart

Description of Defect:

Assigned Defect ID: 050504-4

Panel Number: 344

Location: NE Corner

Size: 2"

Roll Stock Number: _____

Check List:

Area cleaned prior to welding

Necessary material obtained

Equipment operational

Type of welding: Extrusion Wedge

Yes / No

yes
yes
yes

Checks to be made Prior to Repair:

Is test seams made at the beginning of seaming period? yes

Is test seams made of identical material? yes

Is test seams appropriate length and width? yes

Checks to be made upon Completion of repair:

Is welder cleaned after use? yes

Is area cleaned of all scrap material and equipment? yes

Was vehicle used for transporting material/equipment? yes

Follow-up inspection of liner for vehicle's path of travel? yes

Seaming Apparatus ID: 456149
Seaming Personnel: Tom Stewart

QC Section

Check List:

Area cleaned prior to repairs:

Equipment check:

Area cleaned upon completion of repair:

Yes / No

yes
yes
yes

Checks to be made Prior to Testing:

Have the specimens been tested for shear and peel? yes

Have the results of test seam samples been obtained and verified? yes

Retest:

If specimens failed, have the deficiencies of the seamer and seaming apparatus been corrected and retested? _____

After repairing the deficiencies, have new test seams been successfully tested? _____

QC Technician: Jeff Stanger

Note: Answer of "no" must be explained: _____

Geo-membrane Liner QA Form

Date / Time: 5/24/04 1030

Weather Conditions: Sunny 78°

QC Technician: Jeff Stamps

Defective area Information:

Perch ID: 050504-4
Size: 8"
Type: Extrusion
Panel Number: 344
Area of Panel: NE corner

Type of welding: Extrusion Wedge
Type of testing: Vacuum Box Air Lance

Locate defect on large scale map:

Is the liner surface clean? yes
Is the soap solution rich enough to create bubbles? yes
Is the vacuum box surface clear and clean? yes
Is the vacuum box equipped with a vacuum gauge? yes

Photo of defective area: yes
Site ID for photo: 69/70

QC Information

Inspection of material used: OK
(Verified from Liner Repair Form)
Sub-grade check required:
if required fill out

| | Yes / No |
|---|-------------|
| Does the vacuum box completely seal the area? | <u>yes</u> |
| Vacuum box pressure ranges from 3 to 15 psi? <small>(For Vacuum box testing)</small> | <u>yes</u> |
| Air Lance pressure set at 15 psi? <small>(For wedge welding of seams)</small> | <u> </u> |
| Was the repaired section 100% tested? | <u>yes</u> |

Water Mattress

Was a sample collected?

Estimated amount of liquid

Released Contained

Note: Leave all section blank if not a water mattress

Additional Comments: _____

Geo-membrane Liner Repair Form

Date Discovered: 5/7/04

Date Repairs Completed: 5/17/04

Weather Conditions: Sunny 80°

Repair Section

Technician: Jeff Stamper

Description of Defect:

Assigned Defect ID: 050704-1

Panel Number: 278

Location: 10' W of NE corner

Size: 1"

Roll Stock Number: _____

Check List:

Area cleaned prior to welding

Necessary material obtained

Equipment operational

Type of welding: Extrusion Wedge

Yes / No

yes
yes
yes

Checks to be made Prior to Repair:

Is test seams made at the beginning of seaming period?

Is test seams made of identical material?

Is test seams appropriate length and width?

yes
yes
yes

Checks to be made upon Completion of repair:

Is weldor cleaned after use?

Is area cleaned of all scrao material and equipment?

Was vehicle used for transporting material/equipment?

Follow up inspection of liner for vehicle's path of travel?

yes
yes
yes
yes

Note: Answer of "no" must be explained: _____

Seaming Apparatus ID: 456149

Seaming Personnel: Jeff Stamper

QC Section

Check List:

Area cleaned prior to repairs:

Equipment check:

Area cleaned upon completion of repair:

Yes / No

yes
yes
yes

Checks to be made Prior to Testing:

Have the specimens been tested for shear and peel?

Have the results of test seam samples been obtained and verified?

yes
yes

Retest:

If specimens failed, have the deficiencies of the seamer and seaming apparatus been corrected and retested?

After repairing the deficiencies, have new test seams been successfully tested?

QC Technician: Tom Stewart

Geo-membrane Liner QA Form

Date / Time: 5/17/04 1045

Weather Conditions: Sunny 80°

QC Technician: Tom Stewart

Defective area Information:

Patch ID 050704-1
Size: 32"
Type: Extrusion
Panel Number 278
Area of Panel: 10' W of NE corner

Type of welding: Extrusion Wedge
Type of testing: Vacuum Box Air Lance

Locate defect on large scale map:
Is the liner surface clean? yes
Is the soap solution rich enough to create bubbles? yes
Is the vacuum box surface clear and clean? yes
Is the vacuum box equipped with a vacuum gauge? yes

Photo of defective area: yes
Site ID for photo: 59/60

QC Information

Inspection of material used: OK
(Verified from Liner Repair Form)
Sub-grade check required:
if required "out"

Does the vacuum box completely seal the area? No
Vacuum box pressure ranges from 3 to 15 psi?
(For Vacuum box testing) yes
Air Lance pressure set at 15 psi?
(For wedge welding of seams)
Was the repaired section 100% tested? yes

Water Mattress

Was a sample collected?
Estimated amount of liquid
Released Contained
Note: Leave all section blank if not a water mattress

Additional Comments:

Geo-membrane Liner Repair Form

Date Discovered: 5/7/04

Date Repairs Completed: 5/17/04 Weather Conditions: Sunny 80°

Repair Section

Technician: Jeff Stamper

Description of Defect:

Assigned Defect ID: 050704-2

Panel Number: 299

Location: N end of panhandle

Size: 1'

Roll Stock Number: _____

Check List:

Area cleaned prior to welding

Necessary material obtained

Equipment operational

Type of welding: Extrusion Wedge

Yes / No

yes
yes
yes

Checks to be made Prior to Repair:

Is test seams made at the beginning of seaming period?

Is test seams made of identical material?

Is test seams appropriate length and width?

yes
yes
yes

Checks to be made upon Completion of repair:

Is welder cleaned after use?

Is area cleaned of all scrap material and equipment?

Was vehicle used for transporting material/equipment?

Follow-up inspection of liner for vehicle's path of travel?

yes
yes
yes
yes

Note: Answer of 'no' must be explained:

Seaming Apparatus ID: 456149

Seaming Personnel: Jeff Stamper

QC Section

Check List:

Area cleaned prior to repairs:

Equipment check:

Area cleaned upon completion of repair:

Yes / No

yes
yes
yes

Checks to be made Prior to Testing:

Have the specimens been tested for shear and peel?

Have the results of test seam samples been obtained and verified?

yes
yes

Retest:

If specimens failed, have the deficiencies of the seamer and seaming apparatus been corrected and retested?

After repairing the deficiencies, have new test seams been successfully tested?

QC Technician: Tom Stewart

Geo-membrane Liner QA Form

Date / Time: 5/17/04 1100

Weather Conditions: Sunny 80°

QC Technician: Tom Stewart

Defective area information:

Patch ID 050704-2
Size: 12"
Type: Extrusion
Panel Number 299
Area of Panel: N end of panel

Type of welding: Extrusion Wedge

Type of testing: Vacuum Box Air Lance

Locate defect on large scale map:

Is the liner surface clean? yes
Is the soap solution rich enough to create bubbles? yes
Is the vacuum box surface clear and clean? yes
Is the vacuum box equipped with a vacuum gauge? yes

Photo of defective area: _____
Site ID for photo: 61/62 yes

QC Information

Inspection of material used: OK
(Verified from Liner Repair Form)

Sub-grade check required: _____
(required fill out)

Does the vacuum box completely seal the area? yes
Vacuum box pressure ranges from 3 to 15 psi?
(For Vacuum box testing) yes
Air Lance pressure set at 15 psi?
(For wedge welding of seams) _____
Was the repaired section 100% tested? yes

| |
|--|
| Water Mattress |
| Was a sample collected? _____ |
| Estimated amount of liquid _____ |
| Released <input type="checkbox"/> Contained <input type="checkbox"/> |
| <small>Note: Leave all section blank if not a water mattress</small> |

Additional Comments: _____

Geo-membrane Liner Repair Form

Date Discovered: 5/10/04

Date Repairs Completed: 5/17/04

Weather Conditions: Sunny 85°

Repair Section

Technician: Jeff Stamper

Description of Defect:

Assigned Defect ID: 051004-2

Panel Number: 151

Location: NW Corner

Size: 5"

Roll Stock Number: _____

Check List:

Area cleaned prior to welding

Yes / No

yes

Necessary material obtained

yes

Equipment operational

yes

Type of welding: Extrusion Wedge

Checks to be made Prior to Repair:

Is test seams made at the beginning of seaming period?

yes

Is test seams made of identical material?

yes

Is test seams appropriate length and width?

yes

Checks to be made upon Completion of repair:

Is welder cleaned after use?

yes

Is area cleaned of all scrap material and equipment?

yes

Was vehicle used for transporting material/equipment?

yes

Follow-up inspection of liner for vehicle's path of travel?

yes

Note: Answer of "no" must be explained:

Seaming Apparatus ID: 456149

Seaming Personnel: Jeff Stamper

QC Section

Check List:

Area cleaned prior to repairs:

Yes / No

yes

Equipment check:

yes

Area cleaned upon completion of repair:

yes

Checks to be made Prior to Testing:

Have the specimens been tested for shear and peel?

yes

Have the results of test seam samples been obtained and verified?

yes

Retest:

If specimens failed, have the deficiencies of the seamer and seaming apparatus been corrected and retested?

After repairing the deficiencies, have new test seams been successfully tested?

QC Technician: Tom Stewart

Geo-membrane Liner QA Form

Date / Time: 5/17/04 1115

Weather Conditions: Sunny 85°

QC Technician: Tom Stewart

Defective area Information:

Patch ID: 051004-2
Size: 24"
Type: Extrusion
Panel Number: 151
Area of Panel: NW corner

Type of welding: Extrusion Wedge
Type of testing: Vacuum Box Air Lance

Locate defect on large scale map:

Is the liner surface clean? yes
Is the soap solution rich enough to create bubbles? yes
Is the vacuum box surface clear and clean? yes
Is the vacuum box equipped with a vacuum gauge? yes

Photo of defective area: 52/53
Site ID for photo: yes

QC Information

Inspection of material used: OK
(Varied from Liner Repair Form)
Sub-grade check required: _____
if required fill out

Does the vacuum box completely seal the area? No
Vacuum box pressure ranges from 3 to 15 psi? yes
(For Vacuum box testing)
Air Lance pressure set at 15 psi? _____
(For wedge welding of seams)
Was the repaired section 100% tested? yes

Water Mattress

Was a sample collected? _____
Estimated amount of liquid _____
Released Contained
Note: Leave a / section blank if not a water mattress

Additional Comments: _____

Geo-membrane Liner Repair Form

Date Discovered: 5/11/04

Date Repairs Completed: 5/17/04

Weather Conditions: Cloudy 80°

Repair Section

Technician: Jeff Stamper

Description of Defect:

Assigned Defect ID: 051104-1

Panel Number: 190

Location: Middle of Wedge

Size: 10"

Roll Stock Number: _____

Check List:

- Area cleaned prior to welding
- Necessary material obtained
- Equipment operational

Yes / No
yes
yes
yes

Type of welding: Extrusion Wedge

Checks to be made Prior to Repair:

- Is test seams made at the beginning of seaming period?
- Is test seams made of identical material?
- Is test seams appropriate length and width?

yes
yes
yes

Checks to be made upon Completion of repair:

- Is welder cleaned after use?
- Is area cleaned of all scrap material and equipment?
- Was vehicle used for transporting material/equipment?
- Follow-up inspection of liner for vehicle's path of travel?

yes
yes
yes
yes

Note: Answer of "no" must be explained:

Seaming Apparatus ID: 456149
 Seaming Personnel: Jeff Stamper

QC Section

Check List:

- Area cleaned prior to repairs:
- Equipment check:
- Area cleaned upon completion of repair:

Yes / No
yes
yes
yes

Checks to be made Prior to Testing:

- Have the specimens been tested for shear and peel?
- Have the results of test seam samples been obtained and verified?

yes
yes

Retest:

- If specimens failed, have the deficiencies of the seamer and seaming apparatus been corrected and retested?
- After repairing the deficiencies, have new test seams been successfully tested?

QC Technician: Tom Stewart

Geo-membrane Liner QA Form

Date/Time: 5/17/04 1130

Weather Conditions: Cloudy 80°

QC Technician: Tom Stewart

Defective area information:

Patch ID 051104-1
Size: 30"
Type: Extrusion
Panel Number 90
Area of Panel: Middle of N edge

Type of welding: Extrusion Wedge
Type of testing: Vacuum Box Air Lance

Locate defect on large scale map:

Is the liner surface clean? yes
Is the scab solution rich enough to create bubbles? yes
Is the vacuum box surface clear and clean? yes
Is the vacuum box equipped with a vacuum gauge? yes

Photo of defective area: 57/58
Site ID for photo: yes

QC Information

Inspection of material used: OK
(Varies from Liner Repair Form)
Sub-grade check required: _____
if required fill out

Does the vacuum box completely seal the area? No
Vacuum box pressure ranges from 3 to 15 psi?
(For Vacuum box testing) yes
Air Lance pressure set at 15 psi?
(For wedge welding of seams) _____
Was the repaired section 100% tested? yes

Water Mattress

Was a sample collected? _____
Estimated amount of liquid _____
Released Contained
Note: Leave all section blank if not a water mattress

Additional Comments: _____

Geo-membrane Liner Repair Form

Date Discovered: 5/17/04

Date Repairs Completed: 5/17/04

Weather Conditions: Sunny 85°

Repair Section

Technician: Jeff Stamper

Description of Defect:

Assigned Defect ID: 051704-1
 Panel Number: 34034
 Location: 3 units SW Corner
 Size: 3'
 Roll Stock Number: _____

Check List:

| | |
|---|------------|
| Area cleaned prior to welding | Yes / No |
| Necessary material obtained | <u>yes</u> |
| Equipment operational | <u>yes</u> |
| Type of welding: <input checked="" type="checkbox"/> Extrusion <input type="checkbox"/> Wedge | <u>yes</u> |

Checks to be made Prior to Repair:

Is test seams made at the beginning of seaming period? yes
 Is test seams made of identical material? yes
 Is test seams appropriate length and width? yes

Checks to be made upon Completion of repair:

Is welder cleaned after use? yes
 Is area cleaned of all scrap material and equipment? yes
 Was vehicle used for transporting material/equipment? yes
 Follow-up inspection of liner for vehicle's path of travel? yes

Note: Answer of "no" must be explained: _____

Seaming Apparatus ID: 456149
 Seaming Personnel: Jeff Stamper

QC Section

Check List:

| | |
|---|------------|
| Area cleaned prior to repairs: | Yes / No |
| Equipment check: | <u>yes</u> |
| Area cleaned upon completion of repair: | <u>yes</u> |

Checks to be made Prior to Testing:

Have the specimens been tested for shear and peel? yes
 Have the results of test seam samples been obtained and verified? yes

Retest:

If specimens failed, have the deficiencies of the seamer and seaming apparatus been corrected and retested? _____
 After repairing the deficiencies, have new test seams been successfully tested? _____

QC Technician: Tom Stewart

Geo-membrane Liner QA Form

Date / Time: 5/17/04 1145

Weather Conditions: Sunny 85°

QC Technician: Tom Stewart

Defective area Information:

Patch ID 051704-1
Size: 10"
Type: Extrusion
Panel Number 34
Area of Panel: Slw corner

Type of welding: Extrusion Wedge
Type of testing: Vacuum Box Air Lance

Locate defect on large scale map:

Is the liner surface clean? yes
Is the soap solution rich enough to create bubbles? yes
Is the vacuum box surface clear and clean? yes
Is the vacuum box equipped with a vacuum gauge? yes

Photo of defective area: 54/55
Site ID for photo: Yes

QC Information

Inspection of material used: OK
(Verified from Liner Repair Form)
Sub-grade check required: _____
(required fill out)

Does the vacuum box completely seal the area? yes
Vacuum box pressure ranges from 3 to 15 psi?
(For Vacuum box testing) yes
Air Lance pressure set at 15 psi?
(For wedge welding of seams) _____
Was the repaired section 100% tested? yes

Water Mattress

Was a sample collected? _____
Estimated amount of liquid _____
Released Contained
Note: Leave all section blank if not a water mattress

Additional Comments: _____

Geo-membrane Liner Repair Form

Date Discovered: 5/24/04

Date Repairs Completed: 5/24/04 Weather Conditions: Cloudy 80°

Repair Section

Technician: Tom Stewart

Description of Defect:

Assigned Defect ID: 052404-1
 Panel Number: 206
 Location: 3' from SE corner
 Size: 4"
 Roll Stock Number: 12472

Check List:

| | |
|---|------------|
| Area cleaned prior to welding | Yes / No |
| Necessary material obtained | <u>yes</u> |
| Equipment operational | <u>yes</u> |
| Type of welding: <input checked="" type="checkbox"/> Extrusion <input type="checkbox"/> Wedge | <u>yes</u> |

Checks to be made Prior to Repair:

| | |
|--|------------|
| Is test seams made at the beginning of seaming period? | <u>yes</u> |
| Is test seams made of identical material? | <u>yes</u> |
| Is test seams appropriate length and width? | <u>yes</u> |

Checks to be made upon Completion of repair:

| | |
|---|------------|
| Is welder cleaned after use? | <u>yes</u> |
| Is area cleaned of all scrap material and equipment? | <u>yes</u> |
| Was vehicle used for transporting material/equipment? | <u>yes</u> |
| Follow-up inspection of liner for vehicle's path of travel? | <u>yes</u> |

Note: Answer of "no" must be explained:

Seaming Apparatus ID: 456149
 Seaming Personnel: Tom Stewart

QC Section

Check List:

| | |
|---|------------|
| Area cleaned prior to repairs: | Yes / No |
| Equipment check: | <u>yes</u> |
| Area cleaned upon completion of repair: | <u>yes</u> |

Checks to be made Prior to Testing:

| | |
|---|------------|
| Have the specimens been tested for shear and peel? | <u>yes</u> |
| Have the results of test seam samples been obtained and verified? | <u>yes</u> |

Retest:

| | |
|---|-------|
| If specimens failed, have the deficiencies of the seamer and seaming apparatus been corrected and retested? | _____ |
| After repairing the deficiencies, have new test seams been successfully tested? | _____ |

QC Technician: Jeff Stamer

Geo-membrane Liner QA Form

Date / Time: 5/24/04 1045

Weather Conditions: Cloudy 80°

QC Technician: Jeff Stamper

Defective area Information:

Patch ID 052404-1
Size: 12'x10'
Type: Extrusion / Patch
Panel Number 206
Area of Panel: 3' from SE corner

Type of welding: Extrusion Wedge

Type of testing: Vacuum Box Air Lance

Locate defect on large scale map:

Is the liner surface clean? yes

Is the soap solution rich enough to create bubbles? yes

Is the vacuum box surface clear and clean? yes

Is the vacuum box equipped with a vacuum gauge? yes

Photo of defective area:

Site ID for photo: 74/75

QC Information

Inspection of material used: OK
(Verified from Liner Repair Form)

Sub-grade check required: _____
If required fill out:

Does the vacuum box completely seal the area? No

Vacuum box pressure ranges from 3 to 15 psi?

(For Vacuum box testing)

Air Lance pressure set at 15 psi?

(For wedge welding of seams)

Was the repaired section 100% tested? yes

Water Mattress

Was a sample collected? _____

Estimated amount of liquid _____

Released Contained

Note: Leave all section blank if not a water mattress

Additional Comments: _____

Geo-membrane Liner Repair Form

Date Discover: ^{TS} 5/24/04 5/21/04

Date Repairs Completed: 5/24/04 Weather Conditions: Cloudy 80°

Repair Section

Technician: Tom Stewart

Description of Defect:

Assigned Defect ID: 052404-2

Panel Number: 29

Location: 1 Middle of panel; Anchor Trench

Size: 2"

Roll Stock Number: 12472

Check List:

Area cleaned prior to welding

Necessary material obtained

Equipment operational

Type of welding: Extrusion Wedge

Yes / No

yes

yes

yes

Checks to be made Prior to Repair:

Is test seams made at the beginning of seaming period?

Is test seams made of identical material?

Is test seams appropriate length and width?

yes

yes

yes

Checks to be made upon Completion of repair:

Is welder cleaned after use?

Is area cleaned of all scrap material and equipment?

Was vehicle used for transporting material/equipment?

Follow-up inspection of liner for vehicle's path of travel?

yes

yes

yes

yes

Note: Answer of "no" must be explained:

Seaming Apparatus ID: 456149
Seaming Personnel: Tom Stewart

QC Section

Check List:

Area cleaned prior to repairs:

Equipment check:

Area cleaned upon completion of repair:

Yes / No

yes

yes

yes

Checks to be made Prior to Testing:

Have the specimens been tested for shear and peel?

Have the results of test seam samples been obtained and verified?

yes

yes

Retest:

If specimens failed, have the deficiencies of the seamer and seaming apparatus been corrected and retested?

After repairing the deficiencies, have new test seams been successfully tested?

QC Technician: Jeff Stamper

Geo-membrane Liner Repair Form

Date Discovered: 6/28/04

Date Repairs Completed: 6/29/04

Weather Conditions: Sunny 80°

Repair Section

Technician: Tom Stewart

Description of Defect:

Assigned Defect ID: 062904-1

Panel Number: 1

Location: Outside edge; 8' from 18 1/20 seam

Size: 5" tear

Roll Stock Number: 12472

Check List:

- | | Yes / No |
|---|------------|
| Area cleaned prior to welding | <u>yes</u> |
| Necessary material obtained | <u>yes</u> |
| Equipment operational | <u>yes</u> |
| Type of welding: <input checked="" type="checkbox"/> Extrusion <input type="checkbox"/> Wedge | |

Checks to be made Prior to Repair:

- Is test seams made at the beginning of seaming period? yes
- Is test seams made of identical material? yes
- Is test seams appropriate length and width? yes

Checks to be made upon Completion of repair:

- Is welder cleaned after use? yes
- Is area cleaned of all scrap material and equipment? yes
- Was vehicle used for transporting material/equipment? yes
- Follow-up inspection of liner for vehicle's path of travel? yes

Note: Answer of "no" must be explained:

Seaming Apparatus ID: 456149
 Seaming Personnel: Tom Stewart

QC Section

Check List:

- | | Yes / No |
|---|------------|
| Area cleaned prior to repairs: | <u>yes</u> |
| Equipment check: | <u>yes</u> |
| Area cleaned upon completion of repair: | <u>yes</u> |

Checks to be made Prior to Testing:

- Have the specimens been tested for shear and pee? yes
- Have the results of test seam samples been obtained and verified? yes

Retest:

- If specimens failed, have the deficiencies of the seamer and seaming apparatus been corrected and retested? _____
- After repairing the deficiencies, have new test seams been successfully tested? _____

QC Technician: Tom Stewart JS Jeff Stanger

Geo-membrane Liner QA Form

Date / Time: 6/29/04 0935

Weather Conditions: Sunny 80°

QC Technician: Jeff Stamper

Defective area Information:

Patch ID: 062904-1
Size: 9" x 14"
Type: _____
Panel Number: 1
Area of Panel: outside edge; 8' from 1/20 seam

Type of welding: Extrusion Wedge
Type of testing: Vacuum Box Air Lance

Locate defect on large scale map: yes
Is the liner surface clean? yes
Is the soap solution rich enough to create bubbles? yes
Is the vacuum box surface clear and clean? yes
Is the vacuum box equipped with a vacuum gauge? yes

Photo of defective area: _____
Site ID for photo: 46/47 yes

QC Information

Inspection of material used: OK
(Verified from Liner Repair Form)
Sub-grade check required: NA
If required fill out

Does the vacuum box completely seal the area? yes
Vacuum box pressure ranges from 3 to 15 psi?
(For Vacuum box testing) yes
Air Lance pressure set at 15 psi?
(For wedge welding of seams) NA
Was the repaired section 100% tested? yes

Water Mattress

Was a sample collected? _____
Estimated amount of liquid _____
Released Contained
Note: Leave all section blank if not a water mattress

Additional Comments: _____

Geo-membrane Liner Repair Form

Date Discovered: 6/28/04

Date Repairs Completed: 6/29/04

Weather Conditions: Sunny 80°

Repair Section

Technician: Tom Stewart

Description of Defect:

Assigned Defect ID: 062904-2

Panel Number: 66

Location: Center of panel

Size: 3" cut

Roll Stock Number: 12472

Check List:

Area cleaned prior to welding

Yes / No

yes

Necessary material obtained

yes

Equipment operational

yes

Type of welding: Extrusion Wedge

Checks to be made Prior to Repair:

Is test seams made at the beginning of seaming period?

yes

Is test seams made of identical material?

yes

Is test seams appropriate length and width?

yes

Checks to be made upon Completion of repair:

Is welder cleaned after use?

yes

Is area cleaned of all scrap material and equipment?

yes

Was vehicle used for transporting material/equipment?

yes

Follow-up inspection of liner for vehicle's path of travel?

yes

Note: Answer of "no" must be explained:

Seaming Apparatus ID: 456149

Seaming Personnel: Tom Stewart

QC Section

Check List:

Area cleaned prior to repairs:

Yes / No

yes

Equipment check:

yes

Area cleaned upon completion of repair:

yes

Checks to be made Prior to Testing:

Have the specimens been tested for shear and peel?

yes

Have the results of test seam samples been obtained and verified?

yes

Retest:

If specimens failed, have the deficiencies of the seamer and seaming apparatus been corrected and retested?

After repairing the deficiencies, have new test seams been successfully tested?

QC Technician: Jeff Stamps

Geo-membrane Liner QA Form

Date / Time: 6/29/04 0950

Weather Conditions: Sunny 80°

QC Technician: Jeff Stamps

Defective area Information:

Patch ID 062904-2
Size: 11" Circle
Type: _____
Panel Number 66
Area of Panel: Center of Panel

Type of welding: Extrusion Wedge
Type of testing: Vacuum Box Air Lance

Locate defect on large scale map: _____
Is the liner surface clean? yes
Is the soap solution rich enough to create bubbles? yes
Is the vacuum box surface clear and clean? yes
Is the vacuum box equipped with a vacuum gauge? yes

Photo of defective area: _____
Site ID for photo: 48/49

QC Information

Inspection of material used: OK
(Verified from Liner Repair Form)
Sub-grade check required: NA
(If required fill out)

Does the vacuum box completely seal the area? yes
Vacuum box pressure ranges from 3 to 15 psi?
(For Vacuum box testing) yes
Air Lance pressure set at 15 psi?
(For wedge welding of seams) NA
Was the repaired section 100% tested? yes

Water Mattress

Was a sample collected? _____
Estimated amount of liquid _____
Released Contained
Note: Leave all section blank if not a water mattress

Additional Comments: _____

Geo-membrane Liner Repair Form

Date Discovered: 5/24/04

Date Repairs Completed: 6/30/04 Weather Conditions: Sunny 80°

Repair Section

Technician: Tom Stewart

Description of Defect:

Assigned Defect ID: 062904-3

Panel Number: 249 EX

Location: 1' from outside edge; 6' from S edge

Size: 1/2" Sampling Port

Roll Stock Number: 12472

Check List:

Area cleaned prior to welding

Yes / No

yes

Necessary material obtained

yes

Equipment operational

yes

Type of welding: Extrusion Wedge

Checks to be made Prior to Repair:

Is test seams made at the beginning of seaming period?

yes

Is test seams made of identical material?

yes

Is test seams appropriate length and width?

yes

Checks to be made upon Completion of repair:

Is welder cleaned after use?

yes

Is area cleaned of all scrap material and equipment?

yes

Was vehicle used for transporting material/equipment?

yes

Follow-up inspection of liner for vehicle's path of travel?

yes

Note: Answer of "no" must be explained:

Seaming Apparatus ID: 456149

Seaming Personnel: Tom Stewart

QC Section

Check List:

Area cleaned prior to repairs:

Yes / No

yes

Equipment check:

yes

Area cleaned upon completion of repair:

yes

Checks to be made Prior to Testing:

Have the specimens been tested for shear and peel?

yes

Have the results of test seam samples been obtained and verified?

yes

Retest:

If specimens failed, have the deficiencies of the seamer and seaming apparatus been corrected and retested?

After repairing the deficiencies, have new test seams been successfully tested?

QC Technician: Jeff Stamper

Geo-membrane Liner QA Form

Date / Time: 6/29/04 10⁰⁵

Weather Conditions: Sunny 80°

QC Technician: Jeff Stanger

Defective area Information:

Patch ID 062904-3
Size: 6" Circle
Type: _____
Panel Number 249 EX
Area of Panel: 1' from outside edge; 6' from S edge

Type of welding: Extrusion Wedge
Type of testing: Vacuum Box Air Lance

Locate defect on large scale map: yes
Is the liner surface clean? yes
Is the soap solution rich enough to create bubbles? yes
Is the vacuum box surface clear and clean? yes
Is the vacuum box equipped with a vacuum gauge? yes

Photo of defective area: _____
Site ID for photo: 50/51 yes

QC Information

Inspection of material used: OK
(Verified from Liner Repair Form)
Sub-grade check required: NA
if required fill out

Does the vacuum box completely seal the area? yes
Vacuum box pressure ranges from 3 to 15 psi?
(For Vacuum box testing) yes
Air Lance pressure set at 15 psi?
(For wedge welding of seams) NA
Was the repaired section 100% tested? yes

Water Mattress

Was a sample collected? yes
Estimated amount of liquid 100 gal * yes
Released Contained
Note: Leave all section blank if not a water mattress
* one mattress w/ 3 repairs: 062904-1, 2, 3

Additional Comments: _____

Geo-membrane Liner Repair Form

Date Discovered: 5/24/04

Date Repairs Completed: 6/29/04

Weather Conditions: Sunny 80°

Repair Section

Technician: Tom Stewart

Description of Defect:

Assigned Defect ID: 062904-4

Panel Number: 249EX

Location: 3' N of Defect 062904-3

Size: 7" Release Cut

Roll Stock Number: 12472

Check List:

- | | |
|-------------------------------|------------|
| Area cleaned prior to welding | Yes / No |
| Necessary material obtained | <u>Yes</u> |
| Equipment operational | <u>Yes</u> |

Type of welding: Extrusion Wedge

Checks to be made Prior to Repair:

- Is test seams made at the beginning of seaming period? Yes
- Is test seams made of identical material? Yes
- Is test seams appropriate length and width? Yes

Checks to be made upon Completion of repair:

- Is welder cleaned after use? Yes
- Is area cleaned of all scrap material and equipment? Yes
- Was vehicle used for transporting material/equipment? Yes
- Follow-up inspection of liner for vehicle's path of travel? Yes

Note: Answer of "no" must be explained:

Seaming Apparatus ID: 456149
 Seaming Personnel: Tom Stewart

QC Section

Check List:

- | | |
|---|------------|
| Area cleaned prior to repairs: | Yes / No |
| Equipment check: | <u>Yes</u> |
| Area cleaned upon completion of repair: | <u>Yes</u> |

Checks to be made Prior to Testing:

- Have the specimens been tested for shear and peel? Yes
- Have the results of test seam samples been obtained and verified? Yes

Retest:

- If specimens failed, have the deficiencies of the seamer and seaming apparatus been corrected and retested? _____
- After repairing the deficiencies, have new test seams been successfully tested? _____

QC Technician: Jeff Stanger

Geo-membrane Liner QA Form

Date / Time: 6/29/04 1015

Weather Conditions: Sunny 80°

QC Technician: Jeff Stamper

Defective area Information:

Patch ID 062904-4
 Size: 10" x 8"
 Type: _____
 Panel Number: 249 EX
 Area of Panel: 3' N of Defect 062904-3

Type of welding: Extrusion Wedge
 Type of testing: Vacuum Box Air Lance

| | |
|---|------------|
| Locate defect on large scale map: | Yes / No |
| Is the liner surface clean? | <u>yes</u> |
| Is the soap solution rich enough to create bubbles? | <u>yes</u> |
| Is the vacuum box surface clear and clean? | <u>yes</u> |
| Is the vacuum box equipped with a vacuum gauge? | <u>yes</u> |

Photo of defective area: TS
 Site ID for photo: 54/56
52/54

QC Information

Inspection of material used: OK
(Verified from Liner Repair Form)
 Sub-grade check required: NA
If required fill out

| | |
|---|------------|
| Does the vacuum box completely seal the area? | Yes / No |
| Vacuum box pressure ranges from 3 to 15 psi? <small>(For Vacuum box testing)</small> | <u>No</u> |
| Air Lance pressure set at 15 psi? <small>(For wedge welding of seams)</small> | <u>yes</u> |
| Was the repaired section 100% tested? | <u>NA</u> |
| | <u>NO*</u> |

Water Mattress

Was a sample collected? yes
 Estimated amount of liquid 100 gal**
 Released Contained ** one mattress w/ 3 repairs:
 Note: Leave all section blank if not a water mattress 062904-3,4,5

Additional Comments: * unable to Vacuum test due to standing water in close proximity to the defective area patch.

Geo-membrane Liner Repair Form

Date Discovered: 5/24/04

Date Repairs Completed: 6/29/04

Weather Conditions: Sunny 80°

Repair Section

Technician: Tom Stewart

Description of Defect:

Assigned Defect ID: 062904-5

Panel Number: 249EX

Location: 2' N of Defect 062904-4

Size: 5" Release Cut

Roll Stock Number: 12472

Check List:

| | Yes / No |
|---|------------|
| Area cleaned prior to welding | <u>yes</u> |
| Necessary material obtained | <u>yes</u> |
| Equipment operational | <u>yes</u> |
| Type of welding: <input checked="" type="checkbox"/> Extrusion <input type="checkbox"/> Wedge | |

Checks to be made Prior to Repair:

| | |
|--|------------|
| Is test seams made at the beginning of seaming period? | <u>yes</u> |
| Is test seams made of identical material? | <u>yes</u> |
| Is test seams appropriate length and width? | <u>yes</u> |

Checks to be made upon Completion of repair:

| | |
|---|------------|
| Is welder cleaned after use? | <u>yes</u> |
| Is area cleaned of all scrap material and equipment? | <u>yes</u> |
| Was vehicle used for transporting material/equipment? | <u>yes</u> |
| Follow-up inspection of liner for vehicle's path of travel? | <u>yes</u> |

Note: Answer of "no" must be explained:

Seaming Apparatus ID: 456149

Seaming Personnel: Tom Stewart

QC Section

Check List:

| | Yes / No |
|---|------------|
| Area cleaned prior to repairs: | <u>yes</u> |
| Equipment check: | <u>yes</u> |
| Area cleaned upon completion of repair: | <u>yes</u> |

Checks to be made Prior to Testing:

| | |
|---|------------|
| Have the specimens been tested for shear and peel? | <u>yes</u> |
| Have the results of test seam samples been obtained and verified? | <u>yes</u> |

Retest:

If specimens failed, have the deficiencies of the beamer and seaming apparatus been corrected and retested? _____

After repairing the deficiencies, have new test seams been successfully tested? _____

QC Technician: Jeff Stamps

Geo-membrane Liner QA Form

Date / Time: 06/29/04 1025

Weather Conditions: Sunny 80°

QC Technician: Jeff Stamps

Defective area Information:

Patch ID 062904-5
Size: 8" x 8"
Type: _____
Panel Number 249 EX
Area of Panel: 2' N of Defect 062904-4

Type of welding: Extrusion Wedge
Type of testing: Vacuum Box Air Lance

Locate defect on large scale map: Yes
Is the liner surface clean? Yes
Is the soap solution rich enough to create bubbles? Yes
Is the vacuum box surface clean and clean? Yes
Is the vacuum box equipped with a vacuum gauge? Yes

Photo of defective area: _____
Site ID for photo: 53/55 Yes

QC Information

Inspection of material used: OK
(Verified from Liner Repair Form)
Sub-grade check required: NA
if required fill out

Does the vacuum box completely seal the area? No
Vacuum box pressure ranges from 3 to 15 psi? Yes
(For Vacuum box testing)
Air Lance pressure set at 15 psi? NA
(For wedge welding of seams)
Was the repaired section 100% tested? No*

Water Mattress

Was a sample collected? Yes
Estimated amount of liquid 100 gal** Yes
Released Contained ** one mattress w/ 3 repairs:
Note: Leave all section blank if not a water mattress 062904-3,4,5

Additional Comments: * Unable to vacuum test due to standing water in close proximity to the patch.

Geo-membrane Liner Repair Form

Date Discovered: 5/24/04

Date Repairs Completed: 6/29/04

Weather Conditions: Sunny 80°

Repair Section

Technician: Tom Stewart

Description of Defect:

Assigned Defect ID: 062904-6
 Panel Number: 3373 363
 Location: 15' from N edge of IP 363/348 seam
 Size: 1" Release cut
 Roll Stock Number: 12472

Check List:

| | |
|---|------------|
| Area cleaned prior to welding | Yes / No |
| Necessary material obtained | <u>yes</u> |
| Equipment operational | <u>yes</u> |
| Type of welding: <input checked="" type="checkbox"/> Extrusion <input type="checkbox"/> Wedge | <u>yes</u> |

Checks to be made Prior to Repair:

Is test seams made at the beginning of seaming period? yes
 Is test seams made of identical material? yes
 Is test seams appropriate length and width? yes

Checks to be made upon Completion of repair:

Is welder cleaned after use? yes
 Is area cleaned of all scrap material and equipment? yes
 Was vehicle used for transporting material/equipment? yes
 Follow-up inspection of liner for vehicle's path of travel? yes

Note: Answer of "no" must be explained:

Seaming Apparatus ID: 456149
 Seaming Personnel: Tom Stewart

QC Section

Check List:

| | |
|---|------------|
| Area cleaned prior to repairs: | Yes / No |
| Equipment check: | <u>yes</u> |
| Area cleaned upon completion of repair: | <u>yes</u> |

Checks to be made Prior to Testing:

Have the specimens been tested for shear and peel? yes
 Have the results of test seam samples been obtained and verified? yes

Retest:

If specimens failed, have the deficiencies of the seamer and seaming apparatus been corrected and retested? _____
 After repairing the deficiencies, have new test seams been successfully tested? _____

QC Technician: Jeff Stamper

Geo-membrane Liner QA Form

Date / Time: 5/29/04 1050

Weather Conditions: Sunny 80°

QC Technician: Jeff Stamper

Defective area Information:

Patch ID: 062904-6
Size: 16" X 12"
Type: _____
Panel Number: 363
Area of Panel: 15' from N edge of LP 363/348 seam

Type of welding: Extrusion Wedge
Type of testing: Vacuum Box Air Lance

Locate defect on large scale map: _____
Is the liner surface clean? yes
Is the soap solution rich enough to create bubbles? yes
Is the vacuum box surface clear and clean? yes
Is the vacuum box equipped with a vacuum gauge? yes

Photo of defective area: _____
Site ID for photo: 56/57

QC Information

Inspection of material used: OK
(Varied from Liner Repair Form)
Sub-grade check required: NA
if required fill out

Does the vacuum box completely seal the area? No
Vacuum box pressure ranges from 3 to 15 psi?
(For Vacuum box testing) yes
Air Lance pressure set at 15 psi?
(For wedge welding of seams) NA
Was the repaired section 100% tested? yes

Water Mattress

Was a sample collected? yes
Estimated amount of liquid 1 gal
Released Contained
Note: Leave all section blank if not a water mattress

Additional Comments: _____

Geo-membrane Liner Repair Form

Date Discovered: 5/24/04

Date Repairs Completed: 6/29/04

Weather Conditions: Sunny 80°

Repair Section

Technician: Tom Stewart

Description of Defect:

Assigned Defect ID: 062904-7
 Panel Number: ~~289~~ 281
 Location: 15' from AB mats along LP 281/289 seam
 Size: 6" release hole
 Roll Stock Number: 12472

Check List:

| | |
|---|------------|
| Area cleaned prior to welding | Yes / No |
| Necessary material obtained | <u>yes</u> |
| Equipment operational | <u>yes</u> |
| Type of welding: <input checked="" type="checkbox"/> Extrusion <input type="checkbox"/> Wedge | <u>yes</u> |

Checks to be made Prior to Repair:

Is test seams made at the beginning of seaming period? yes
 Is test seams made of identical material? yes
 Is test seams appropriate length and width? yes

Checks to be made upon Completion of repair:

Is welder cleaned after use? yes
 Is area cleaned of all scrap material and equipment? yes
 Was vehicle used for transporting material/equipment? yes
 Follow-up inspection of liner for vehicle's path of travel? yes

Note: Answer of "no" must be explained:

Seaming Apparatus ID: 456149
 Seaming Personnel: Tom Stewart

QC Section

Check List:

| | |
|---|------------|
| Area cleaned prior to repairs: | Yes / No |
| Equipment check: | <u>yes</u> |
| Area cleaned upon completion of repair: | <u>yes</u> |

Checks to be made Prior to Testing:

Have the specimens been tested for shear and peel? yes
 Have the results of test seam samples been obtained and verified? yes

Retest:

If specimens failed, have the deficiencies of the seamer and seaming apparatus been corrected and retested? _____
 After repairing the deficiencies, have new test seams been successfully tested? _____

QC Technician: Jeff Stamper

Geo-membrane Liner QA Form

Date / Time: 6/29/04 11:30

Weather Conditions: Sunny 80°

QC Technician: Jeff Stanger

Defective area Information:

Patch ID 062904-7
Size: 14" X 10"
Type: _____
Panel Number 289 281
Area of Panel: 15' from AB cuts along LP 281/289 seam

Type of welding: Extrusion Wedge
Type of testing: Vacuum Box Air Lance

Locate defect on large scale map: yes
Is the liner surface clean? yes
Is the soap solution rich enough to create bubbles? yes
Is the vacuum box surface clear and clean? yes
Is the vacuum box equipped with a vacuum gauge? yes

Photo of defective area: _____
Site ID for photo: 58/59 yes

QC Information

Inspection of materials used: OK
(Verified from Liner Repair Form)
Sub-grade check required: NA
(if required fill out)

Does the vacuum box completely seal the area? No
Vacuum box pressure ranges from 3 to 15 psi?
(For Vacuum box testing) yes
Air Lance pressure set at 15 psi?
(For wedge welding of seams) NA
Was the repaired section 100% tested? yes

Water Mattress

Was a sample collected? yes
Estimated amount of liquid 1 gal yes
Released Contained
Note: Leave all section blank if not a water mattress

Additional Comments: _____

ANNUAL REPORT
Maxey Flats Disposal Site
2004

APPENDIX H

MAXEY FLATS DISPOSAL SITE
INITIAL REMEDIAL PHASE CAP MAINTENANCE
INSPECTION FORMS
2004

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION |
|-------------|--------------|-------------------|
| 1/5/04 0845 | R. Brown | Light RAIN 44° |
| 1/6/04 0830 | R. Brown | Light Snow 27° |
| 1/7/04 0850 | R. Brown | Fair 10° |
| 1/8/04 0830 | R. Brown | Cloudy 22° |
| 1/9/04 0830 | R. Brown | CLOUDY 27° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

* See back for additional information

MFDS SECURITY

Weekly Report

| DATE/TIME | | INSPECTED BY | WEATHER CONDITION | |
|-----------|------|--------------|-------------------|-----|
| 1/12/04 | 0830 | R. Brown | Fair | 37° |
| 1/13/04 | 0845 | R. Brown | Fair | 31° |
| 1/14/04 | 0845 | R. Brown | Fair | 24° |
| 1/15/04 | 0830 | R. Brown | Cloudy | 28° |
| 1/16/04 | 0830 | R. Brown | Cloudy | 22° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDB Emergency Spillway | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

* See back for additional information

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION |
|--------------|--------------|-------------------|
| 1/19/04 | HOLIDAY | |
| 1/20/04 0840 | R. Brown | Fair 16° |
| 1/21/04 0900 | R. Brown | Cloudy 20° |
| 1/22/04 0840 | R. Brown | Fair 30° |
| 1/23/04 1315 | R. Brown | Cloudy 20° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | N/A | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | N/A | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDB Emergency Spillway | Gates locked pursuant to Commonwealth security HS procedures | U | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

* See back for additional information

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION |
|--------------|--------------|-------------------|
| 1/26/04 0945 | R. Brown | Fair 45° |
| 1/27/04 0830 | R. Brown | Light Rain 41° |
| 1/28/04 0830 | R. Brown | Cloudy 15° |
| 1/29/04 0830 | H. Brown | Fair 25° |
| 1/30/04 0845 | R. Brown | Light Snow 16° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDB Emergency Spillway | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

* See back for additional information.

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION | | |
|-----------|---------------|-------------------|-----|--|
| 2/2/04 | 0845 R. Brown | Fair | 33° | |
| 2/3/04 | 0835 R. Brown | Light Rain | 41° | |
| 2/4/04 | 0835 R. Brown | Cloudy | 27° | |
| 2/5/04 | 0830 R. Brown | Cloudy | 30° | |
| 2/16/04 | 0830 R. Brown | Light Rain | 52° | |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDB Emergency SP'way | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "NA" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

* See back for additional information

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER | CONDITION | TEMPERATURE |
|-----------|-----------------|---------------|-----------|-------------|
| 2/19/04 | 0840 R. Brown | Fair | | 31° |
| 2/10/04 | 0840 T. Steward | Clear | | 34° F |
| 2/11/04 | 0830 JS Hammer | Partly Cloudy | | 26° |
| 2/16/04 | 0830 JS Hammer | Cloudy | | 36° |
| 2/18/04 | 0900 R. Brown | Partly Cloudy | | 25° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDB Emergency Spillway | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

* See back for additional information

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION |
|--------------|--------------|-------------------|
| 2/14/04 0830 | C. Stammers | Clear 20° |
| 2/15/04 0830 | R. Brown | Cloudy 34° |
| 2/19/04 0900 | R. Brown | Fair 26° |
| 2/17/04 0830 | R. Brown | Fair 36° |
| 2/20/04 0830 | R. Brown | Fair 49° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and - Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|----------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDB Emergency Spillway | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

* See back for additional information

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER | CONDITION |
|--------------|--------------|------------|-----------|
| 2/23/04 0850 | R. BROWN | Fair | 33° |
| 2/24/04 0850 | R. BROWN | Light Rain | 43° |
| 2/25/04 0830 | POWELL | Sunny | 27° |
| 2/26/04 0830 | R. BROWN | Fair | 33° |
| 2/27/04 0830 | R. BROWN | Cloudy | 37° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDB Emergency SP Inway | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

* See back for additional information

Note: Tree fell across fence line West side. 2/26/04

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION |
|--------------|--------------|-------------------|
| 3/1/04 11:30 | T. Stewart | 50°F / Rain |
| 3/2/04 09:00 | R. Brown | mostly cloudy 57° |
| 3/3/04 09:00 | R. Brown | Fair 46° |
| 3/4/04 08:45 | R. Brown | Cloudy 57° |
| 3/5/04 08:45 | R. Brown | mostly cloudy 66° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDG Emergency Spillway | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised.

* See back for additional information

* Repair to IRP Cap fence from tree damage. NOT complete. Expected to be completed 3/2 - 3/3 - T/S 2/10

MFDS SECURITY

Weekly Report

| DATE/TIME | | INSPECTED BY | WEATHER CONDITION | |
|-----------|-------|--------------|-------------------|-----|
| 3/8/04 | 08:30 | R. Brown | Cloudy | 34° |
| 3/9/04 | 08:30 | T. Stewart | partly cloudy | 33° |
| 3/10/04 | 08:45 | R. Brown | Fair | 35° |
| 3/11/04 | 08:40 | T. Stewart | cloudy | 36° |
| 3/12/04 | 08:30 | D. Politt | Partly cloudy | 35° |

See Appendix A-2 'Inspection Frequency Matrix' for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure * | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDB Emergenc Spillway | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised.

* Fence needs repairs at NW end of 5th due to fallen tree.
 • Fence repair near completion; lacks tension & hard wire guides. To

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION |
|---------------|--------------|-------------------|
| 3/15/04 08:45 | R. Brown | rain 39° |
| 3/16/04 08:30 | R. Brown | Light rain 41° |
| 3/17/04 08:50 | R. Brown | Cloudy 30° |
| 3/18/04 08:30 | D. Pollitt | Cloudy 35° |
| 3/19/04 09:05 | J. Stewart | Cloudy 37° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | | | | | | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure * | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDB Emergent Spillway | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised.

** Ordered parts to finish repairs to fence.*

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION |
|--------------|--------------|-------------------|
| 3/22/04 8:30 | D. Poirier | P. Cloudy 23° |
| 3/23/04 8:05 | Poirier | Clear 19° |
| 3/24/04 8:15 | Poirier | Cloudy 48° |
| 3/25/04 8:15 | Poirier | Clear 55° |
| 3/26/04 8:05 | Poirier | Clear 61° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the CDB Emergency SPTway | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition. * Fence Parts on order

2. Mark "N/A" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

* See back for additional information.

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION |
|--------------|--------------|-------------------|
| 3/29/04 8:30 | POLLITT | P. Cloudy 59° |
| 3/30/04 8:00 | POLLITT | Cloudy / Rain 48° |
| 3/31/04 8:30 | POLLITT | Cloudy 41° |
| 4/1/04 8:00 | POLLITT | Cloudy 39° |
| 4/2/04 8:00 | POLLITT | Rain 36° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDB Emergency Sillway | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised.

* See back for additional information

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION |
|--------------|--------------|-------------------|
| 4/5/04 08:45 | POWERS | Clear 29° |
| 4/6/04 08:05 | POWERS | Clear 36° |
| 4/7/04 08:00 | POWERS | Cloudy 52° |
| 4/8/04 08:10 | POWERS | P. Cloudy 57° |
| 4/9/04 08:10 | POWERS | Clear 42° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust: (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDB Emergency Spine | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed, i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

* See back for additional information

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION |
|--------------|--------------|-------------------|
| 4-12-04 8:30 | POLLITT | Cloudy / Rain 45° |
| 4-13-04 8:00 | POLLITT | Rain 59° |
| 4-14-04 0835 | J. Stampac | Lt Rain 34° |
| 4-15-04 0815 | POLLITT | Sun 40° |
| 4-16-04 8:30 | POLLITT | P Cloudy 53° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the CDS Emergency Spillway | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday.

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised.

* See back for additional information.

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION |
|---------------|--------------|--------------------|
| 4-19-04 07:50 | POLLITT | Sun 65° |
| 4-20-04 07:45 | POLLITT | P. Clouds 65° |
| 4-21-04 08:00 | POLLITT | Sun 61° |
| 4-22-04 08:00 | POLLITT | Tring 55° |
| 4-23-04 08:30 | J. Stampson | Cloudy 60° Drizzle |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDB Emergency Spillway | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised.

* See back for additional information

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION |
|--------------|--------------|-------------------|
| 4-26-04 8:20 | Pollitt | Cloudy 52° |
| 4-27-04 8:30 | Pollitt | Sun 42° |
| 4-28-04 8:00 | Pollitt | Sun 34° |
| 4-29-04 8:00 | Pollitt | Sun 55° |
| 4-30-04 8:00 | Pollitt | Rain 59° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|---|---|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDB Emergency Sp Jctwy | Gates locked pursuant to Commonwealth security IIS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition: if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

* See back for additional information

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION |
|--------------|--------------|-------------------|
| 5/3/04 8:30 | POWITT | Fog 34° |
| 5/4/04 8:15 | POWITT | SUN 35° |
| 5/5/04 8:10 | POWITT | SUN 54° |
| 5/11/04 8:05 | POWITT | SUN 58° |
| 5/17/04 8:10 | POWITT | SUN 62° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EOB Emergency Spillway | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "NA" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

* See back for additional information

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION |
|--------------|--------------|-------------------|
| 5/10/04 8:30 | POLLITT | SUN 63° |
| 5/11/04 8:40 | POLLITT | P. SUN 62° |
| 5/12/04 8:00 | POLLITT | SUN 64° |
| 5/13/04 8:15 | POLLITT | SUN 66° |
| 5/14/04 8:05 | POLLITT | SUN 66° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the ED3 Emergency Spillway | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

* See back for additional information.

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION |
|--------------|--------------|-------------------|
| 5/17/04 8:40 | POLLITT | Sun 64° |
| 5/18/04 8:20 | POLLITT | P. Cloudy 65° |
| 5/19/04 8:05 | POLLITT | Rain 64° |
| 5/20/04 8:25 | POLLITT | Sun 65° |
| 5/21/04 8:00 | POLLITT | Sun 69° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDB Emergency Spillway | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "NA" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

* See back for additional information.

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION |
|--------------|--------------|-------------------|
| 5/24/04 8:30 | POHITT | SUN 69° |
| 5/25/04 7:50 | POHITT | P. Cloudy 64° |
| 5/26/04 8:00 | POHITT | Cloudy 63° |
| 5/27/04 7:55 | POHITT | Cloudy 62° |
| 5/28/04 7:55 | POHITT | Cloudy 63° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial | |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|--|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial | |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|--|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDB Emergency Spillway | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | S | | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

* See back for additional information.

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER | CONDITION |
|-------------|--------------|---------|-----------|
| 6-1-04 8:20 | Politt | SUN | 58° |
| 6-2-4 8:10 | Politt | SUN | 59° |
| 6-3-4 8:05 | Politt | SUN | 60° |
| 6-4-4 8:05 | Politt | Rain | 61° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial | |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|--|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial | |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|--|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | | S | S | S | S | | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | | S | S | S | S | | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | | S | S | S | S | | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | | S | S | S | S | | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | | S | S | S | S | | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | | S | S | S | S | | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | | S | S | S | S | | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | | S | S | S | S | | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | | S | S | S | S | | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | | S | S | S | S | | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | | S | S | S | S | | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | | S | S | S | S | | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDB Emergency Spillway | Gates locked pursuant to Commonwealth security MS procedures | | S | S | S | S | | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition; (1) there is no indication of rust or if (2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

* See back for additional information

Monday 5/31 Holiday

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION | |
|-------------|--------------|-------------------|-----|
| 6-7-4 8:50 | Pollitt | SUN | 66° |
| 6-8-4 7:55 | Pollitt | SUN | 67° |
| 6-9-4 8:10 | Pollitt | SUN | 68° |
| 6-10-4 8:35 | Pollitt | Cloudy | 68° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial | | |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|--|--|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | | | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | | | | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial | | |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|--|--|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | | | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | | | | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | | | | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | | | | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | | | | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | | | | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | | | | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | | | | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | | | | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | | | | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | | | | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | | | | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | | | | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDB Emergency Spillway | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | | | | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition

2. Mark "N/A" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

* See back for additional information

STATE Holiday - Pres. Report

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION |
|--------------|------------------|-------------------|
| 6-14-4 8:50 | Polina | P. Sun 70° |
| 6-15-4 7:30 | Polina | P. Sun 70° |
| 6-16-4 08:45 | Stamps / Stewart | P. Cloudy 73° |
| 6-17-4 08:45 | Polina | P. Cloudy 75° |
| 6-18-4 8:00 | Polina | Cloudy 72° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDB Emergency Spillway | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed, i.e., not a workday

3. Mark "S" for satisfactory condition if (1) there is no indication of rust or if (2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION |
|-------------|--------------|-------------------|
| 6-21-4 8:20 | Politt | Sun 60° |
| 6-22-4 8:40 | Politt | Cloudy 68° |
| 6-23-4 8:10 | Politt | Cloudy 62° |
| 6-24-4 8:30 | Politt | Sun 66° |
| 6-24-4 8:05 | Politt | P. Cloudy 65° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDB Emergency Spillway | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition,

2. Mark "NA" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

* See back for additional information

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION |
|-------------|--------------|-------------------|
| 6-28-4 8:25 | Pollitt | Cloudy 60° |
| 6-29-4 8:10 | Pollitt | SUN 62° |
| 6-30-4 8:25 | Pollitt | SUN 64° |
| 7-1-4 8:00 | Pollitt | SUN 66° |
| 7-2-4 8:05 | Pollitt | Cloudy 68° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the GOB Emergency Spillway | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

* See back for additional information

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION |
|------------|--------------|-------------------|
| 7-5-4 | Holiday | |
| 7-6-4 8:30 | Pollitt | SUN 63° |
| 7-7-4 8:15 | Pollitt | Cloudy 66° |
| 7-8-4 8:05 | Pollitt | Sun 65° |
| 7-9-4 0830 | J. Stempel | Sun 68° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial | | |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|--|--|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | - | F | | | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | | S | S | S | S | | | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial | | |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|--|--|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | - | F | | | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | | S | S | S | S | | | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | | S | S | S | S | | | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | | S | S | S | S | | | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | | S | S | S | S | | | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | | S | S | S | S | | | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | | S | S | S | S | | | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | | S | S | S | S | | | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | | S | S | S | S | | | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | | S | S | S | S | | | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | | S | S | S | S | | | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | | S | S | S | S | | | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs of trespassers | | S | S | S | S | | | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDB Emergency Spillway | Gates locked pursuant to Commonwealth security HS procedures | | S | S | S | S | | | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition: if 1) there is no indication of rust; or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

Monday
7/5/4
Holiday

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION |
|--------------|--------------|-------------------|
| 7-12-4 8:10 | Pollitt | P. Cloudy 71° |
| 7-13-4 8:15 | Pollitt | SUN 71° |
| 7-14-4 8:15 | Pollitt | SUN 69° |
| 7-15-4 8:30 | Pollitt | SUN 65° |
| 7-16-04 0815 | Stamps | P. Cloudy 60° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDB Emergency Spillway | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION |
|-------------|--------------|-------------------|
| 7-19-4 8:30 | POLLITT | Fog 61° |
| 7-20-4 8:10 | POLLITT | SUN 64° |
| 7-21-4 7:55 | POLLITT | SUN 66° |
| 7-22-4 8:06 | POLLITT | Rain 67° |
| 7-23-4 8:35 | POLLITT | Cloudy 69° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDB Emergency Spillway | Gates locked pursuant to Commonwealth Security HS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday

3. Mark "S*" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION |
|-------------|--------------|-------------------|
| 7-26-4 8:10 | Pollitt | Rain / Fog 67° |
| 7-27-4 7:55 | Pollitt | Fog 65° |
| 7-28-4 7:45 | Pollitt | Fog 58° |
| 7-29-4 7:50 | Pollitt | Sunny 60° |
| 7-30-4 7:45 | Pollitt | Sunny 69° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDB Emergency Spillway | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER | CONDITION |
|------------|--------------|---------|-----------|
| 8-2-4 7:45 | POLLITT | Sunny | 68° |
| 8-3-4 7:40 | POLLITT | Sunny | 68° |
| 8-4-4 8:15 | POLLITT | Sunny | 71° |
| 8-5-4 7:40 | POLLITT | Rain | 65° |
| 8-6-4 7:50 | POLLITT | Sunny | 84° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Triplic Control Gates at the EDB Emergency Spillway | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday.

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised.

DP

MFDS SECURITY

Weekly Report

| DATE/TIME | | INSPECTED BY | WEATHER CONDITION |
|-----------|------|--------------|-------------------|
| 8-9-4 | 8:30 | POLLITT | Sun 65° |
| 8-10-4 | 7:45 | POLLITT | P. Cloudy 68° |
| 8-11-4 | 8:10 | POLLITT | Sun 62° |
| 8-12-4 | 7:45 | POLLITT | Rain 57° |
| 8-13-4 | 7:40 | POLLITT | Sun 49° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDB Emergency Spillway | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

DP

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER | CONDITION |
|--------------|--------------|---------|-----------|
| 8-16-4 7:45 | Powell | Sunny | 56° |
| 8-17-4 7:45 | Powell | Sunny | 56° |
| 8-18-4 7:50 | Powell | Sunny | 61° |
| 8-19-04 0900 | J. Stamps | Sunny | 71° |
| 8-20-4 0900 | Powell | Cloudy | 70° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EOB Emergency SPI way | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

* See back for additional information re: ...

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION |
|-------------|--------------|-------------------|
| 8-23-4 7:50 | Politt | Sunny 59° |
| 8-24-4 7:50 | Politt | P. Sunny 68° |
| 8-25-4 8:00 | Politt | M. Cloudy 69° |
| 8-26-4 7:50 | Politt | M. Cloudy 74° |
| 8-27-4 7:40 | Politt | Sunny 72° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fence fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EOE Emergency Spillway | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday.

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised.

* See back for additional information. *No significant changes seen in "AR" for the week of 8/27/04.*

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION |
|-------------|--------------|-------------------|
| 8-30-4 8:30 | Pollitt | Cloudy 65° |
| 8-31-4 8:10 | Pollitt | Sunny 56° |
| 9-1-4 8:16 | Pollitt | Sunny 60° |
| 9-2-4 8:20 | Pollitt | Sunny 60° |
| 9-3-4 8:00 | Pollitt | P. Cloudy 70° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EOB Emergency Bypass | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised.

See back for additional information. To determine the status of the MFDS, see the MFDS Security Report.

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION |
|----------------|-----------------|-------------------|
| 9/6/04 Holiday | | |
| 9-7-4 8:15 | Brown & Pollitt | P. Cloudy 71° |
| 9-8-4 8:15 | Pratt | Rain 64° |
| 9/9/04 8:25 | BROWN & POLLITT | Cloudy 63° |
| 9/10/04 8:25 | Brown & Pollitt | Cloudy 66° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial | | | |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|--|--|--|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | | | | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | 1 | S | S | S | S | | | | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial | | | |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|--|--|--|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | | | | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | | | S | S | S | S | | | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | | | S | S | S | S | | | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | | | S | S | S | S | | | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | | | S | S | S | S | | | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | | | S | S | S | S | | | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | | | S | S | S | S | | | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | | | S | S | S | S | | | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | | | S | S | S | S | | | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | | | S | S | S | S | | | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | | | S | S | S | S | | | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | | | S | S | S | S | | | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | | | S | S | S | S | | | | | | | | | | | | | |
| 15 | Traffic Control Gates at the EDB Emergency Spillway | Gates locked pursuant to Commonwealth security HS procedures | | | S | S | S | S | | | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

* See back for additional information

No Significant Changes Seen in "AB" Mats in S.E. Drain.

Labor Day

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER | CONDITION | TEMPERATURE |
|--------------|--------------|-----------|-----------|-------------|
| 9/13/04 8:50 | R. Brown | P. Cloudy | | 64° |
| 9-14-04 8:05 | DeWitt | P. Cloudy | | 65° |
| 9-15-04 8:20 | DeWitt | Sunny | | 66° |
| 9-16-04 8:00 | DeWitt | Cloudy | | 65° |
| 9/17/04 8:20 | Brown | Rain | | 68° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDB Emergency Spillway | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed, i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

* See back for additional information *No significant changes in "OR" made in SA period*

MFDS SECURITY

Weekly Report

| DATE/TIME | | INSPECTED BY | WEATHER CONDITION | |
|-----------|------|--------------|-------------------|-----|
| 9/20/04 | 0850 | R. Brown | Mostly Sunny | 56° |
| 9/21/04 | 0830 | R. Brown | Sunny | 51° |
| 9/22/04 | 0840 | R. Brown | Sunny | 55° |
| 9/23/04 | 0840 | R. Brown | Sunny | 63° |
| 9/24/04 | 0830 | R. Brown | Sunny | 60° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial | | | | | |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|--|--|--|--|--|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | | | | | | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial | | | | | |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|--|--|--|--|--|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | | | | | | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | | | | | | |
| 15 | Traffic Control Gates at the EDB Emergency Spillway | Gates locked pursuant to Commonwealth security FS procedures | S | S | S | S | S | | | | | | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed, i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

* See back for additional information.

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION |
|--------------|--------------|-------------------|
| 9/27/04 0850 | R. Brown | Cloudy 57° |
| 9/28/04 0830 | R. Brown | Cloudy 64° |
| 9/29/04 0845 | R. Brown | Cloudy 57° |
| 9/30/04 0830 | R. Brown | Foggy 51° |
| 10/1/04 0835 | R. Brown | Cloudy 51° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 4 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at Line EDS Emergency Spillway | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition

2. Mark "NA" if the MFDS is closed, i.e., not a workday

3. Mark "S" for satisfactory condition if (1) there is no indication of rust or if (2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

* See notes for additional information.

No significant change in "ATA" noted.

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION |
|--------------|--------------|-------------------|
| 10/4/04 0840 | R. Brown | Sunny 46° |
| 10/5/04 0835 | R. Brown | Fair 46° |
| 10/6/04 0900 | R. Brown | Sunny 44° |
| 10/7/04 0840 | R. Brown | Fair 49° |
| 10/8/04 0830 | R. Brown | Fair 54° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|---|---|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDB Emergency Spillway | Gates locked pursuant to Commonwealth security I/S procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a work-day

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

* See back for additional information

Mr. Christopher A. ...

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION | | |
|---------------|--------------|-------------------|-----|--|
| 10/11/04 0845 | R. Brown | Fair | 48° | |
| 10/12/04 0830 | R. Brown | Fair | 49° | |
| 10/13/04 0845 | R. Brown | Cloudy | 57° | |
| 10/14/04 0845 | R. Brown | Mostly Rain | 52° | |
| 10/15/04 0840 | R. Brown | Mostly Cloudy | 48° | |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial | | | | | |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|--|--|--|--|--|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | | | | | | |
| | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial | | | | | |
|--------|--|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|--|--|--|--|--|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | | | | | | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDB Emergency SPI way | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | S | | | | | | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised.

R. Brown

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION | |
|---------------|--------------|-------------------|-----|
| 10/18/04 0835 | R. Brown | Mostly Cloudy | 50° |
| 10/19/04 0830 | R. Brown | Mostly Cloudy | 62° |
| 10/20/04 0830 | R. Brown | Cloudy | 61° |
| 10/21/04 0830 | R. Brown | Cloudy | 61° |
| 10/22/04 0835 | R. Brown | Cloudy | 55° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDB Emergency Spillway | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition; if (1) there is no indication of rust or if (2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

* See back for additional information

No Classification Change

MFDS SECURITY

Weekly Report

| DATE/TIME | | INSPECTED BY | WEATHER CONDITION | |
|-----------|------|--------------|-------------------|-----|
| 10/25/04 | 0945 | R. Brown | Fair | 53° |
| 10/26/04 | 0845 | R. Brown | Fair | 53° |
| 10/27/04 | 0840 | J. Stimpfer | Cloudy | 57° |
| 10/28/04 | 8:15 | Garrett | Cloudy 2 FOG | 59° |
| 10/29/04 | 0845 | R. Brown | Cloudy | 66° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDB Emergency Spillway | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "NA" if the MFDS is closed; i.e. not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

* See back for additional information

No Significant Changes - 'NA' mark all cells

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION |
|----------------------|--------------|-------------------|
| 11/1/04 0845 | R. Brown | L. Rain 59° |
| HOLIDAY for Election | | |
| 11/3/04 0850 | R. Brown | Cloudy 53° |
| 11/4/04 0840 | R. Brown | L. Rain 62° |
| 11/5/04 0835 | R. Brown | Fair 42° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|--------------|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | F | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | F | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | F | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | F | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | F | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | F | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | F | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | F | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | F | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | F | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | F | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs of trespassers | S | F | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDB Emergency Spillway | Gates locked pursuant to Commonwealth security HS procedures | S | F | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition if (1) there is no indication of rust or if (2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

* See back for additional information

No Significant Changes in '04' with respect to

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER | CONDITION |
|---------------|--------------|---------|-----------|
| 11/8/04 0840 | R. Brown | Fair | 41° |
| 11/9/04 0825 | R. Brown | Fair | 38° |
| 11/10/04 0846 | R. Brown | Fair | 43° |
| 11/11/04 | HOLIDAY | | |
| 11/12/04 0830 | R. Brown | Cloudy | 48° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | H | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|---|---|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | H | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | H | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | H | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | H | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | H | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | H | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | H | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | H | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | H | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | H | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | H | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | H | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EOB Emergency Spillway | Gates locked pursuant to Commonwealth security, HS procedures | S | S | S | H | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

* See back for additional information.

No Classification Changes - 100% met - 000000

SHAW

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER | CONDITION | TEMPERATURE |
|----------------|--------------|---------|-----------|-------------|
| 11/15/04 0700 | R. Brown | Fair | | 42° |
| 11/16/04 0820 | R. Brown | Rainy | | 56° |
| 11/17/04 07:45 | P. O'Connell | Cloudy | | 50° |
| 11/18/04 0830 | R. Brown | Rainy | | 54° |
| 11/19/04 0835 | R. Brown | Rainy | | 55° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the FDR Emergency Spillway | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised.

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION |
|---------------|--------------|-------------------|
| 11/22/04 0830 | R. Brown | Fog 50° |
| 11/23/04 0835 | R. Brown | Cloudy 54° |
| 11/24/04 0830 | R. Brown | Rain 58° |
| N/A HOLIDAYS | | |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial | |
|--------|--------------------------------|--|--------------|---|---|-----|-----|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|--|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | N/A | N/A | | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial | |
|--------|---|---|--------------|---|---|-----|-----|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|--|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | N/A | N/A | | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tens on wire strung and secure | S | S | S | | | | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | | | | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | | | | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | | | | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | | | | | | | | | | | | | | |
| 7 | RP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | | | | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | | | | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | | | | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | | | | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | | | | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | | | | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDB Emergency Spillway | Gates locked pursuant to Commonwealth security IIS procedures | S | S | S | U | U | | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday.

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised.

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION |
|---------------|--------------|--------------------|
| 11/29/04 0830 | R. Brown | Mostly Cloudy 43° |
| 11/30/04 0835 | R. Brown | Light Rain 44° |
| 12/1/04 0835 | R. Brown | Windy & Cloudy 38° |
| 12/2/04 0830 | R. Brown | Fair 32° |
| 12-3-4 8:05 | Pollitt | Sun 30° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDB Emergency Spillway | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "NA" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION | | |
|---------------|--------------|-------------------|-----|--|
| 12/6/04 0830 | R. Brown | Cloudy | 52° | |
| 12/7/04 0830 | R. Brown | Light Rain | 60° | |
| 12/8/04 0835 | R. Brown | Fair | 44° | |
| 12/9/04 0830 | R. Brown | Rain | 46° | |
| 12/10/04 0835 | R. Brown | Partly Fog | 52° | |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDS Emergency Spillway | Gates locked pursuant to Commonwealth security MS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION | |
|---------------|--------------|-------------------|-----|
| 12/13/04 0830 | R. Brown | Cloudy | 31° |
| 12/14/04 0830 | R. Brown | Light Snow | 24° |
| 12/15/04 0835 | R. Brown | Fair | 19° |
| 12/16/04 0835 | R. Brown | Fair | 26° |
| 12/17/04 0830 | R. Brown | Fair | 32° |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | S | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|---|--|--------------|---|---|---|---|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | S | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | S | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | S | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | S | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | S | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | S | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | S | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDB Emergency Spillway | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | S | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT comprised

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION |
|----------------|--------------|-------------------|
| 12/20/04 0830 | R. Brown | Fair 3° |
| 12/21/04 12:30 | Pollitt | Cloudy 45° |
| 12/22/04 0840 | R. Brown | Partly Cloudy 46° |
| 12/23/04 0900 | R. Brown | Light Snow 31° |
| N/A | | |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|-----|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | S | S | S | S | N/A | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--|--|--------------|---|---|---|-----|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | S | S | S | S | N/A | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | S | S | S | S | | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | S | S | S | S | | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | S | S | S | S | | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | S | S | S | S | | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | S | S | S | S | | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | S | S | S | S | | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | S | S | S | S | | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | S | S | S | S | | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | S | S | S | S | | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | S | S | S | S | | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | S | S | S | S | | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDB Emergency S/Way | Gates locked pursuant to Commonwealth security HS procedures | S | S | S | S | V | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday.

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NOT compromised.

* See back for additional information.

MFDS SECURITY

Weekly Report

| DATE/TIME | INSPECTED BY | WEATHER CONDITION |
|---------------|-----------------------|-------------------|
| N/A | | |
| 12/28/04 0915 | R. Brown / D. Pollitt | Sunny 23° |
| 12/29/04 0910 | R. Brown | Cloudy 46° |
| 12/30/04 0900 | R. Brown | Cloudy 55° |
| N/A | | |

See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency.

4.1.3 Ultra Sonic Flow Recorder and Rain Gauge

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|---|---|---|-----|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | Rain Gauge | Free of plug (accumulated dust clogging the gauge) | N/A | S | S | S | N/A | | | | | | | | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | | | | Unsatisfactory | | | | | Required Action | | | | | Action Completed Date/Initial |
|--------|--|--|--------------|---|---|---|-----|----------------|---|---|---|---|-----------------|---|---|---|---|-------------------------------|
| | | | M | T | W | T | F | M | T | W | T | F | M | T | W | T | F | |
| 1 | North Perimeter Fence at Site Access | Proper operation of gates and latches | N/A | S | S | S | N/A | | | | | | | | | | | |
| 2 | North Perimeter Fence at Site Access | Fence fabric/Tension wire strung and secure | | S | S | S | | | | | | | | | | | | |
| 3 | North Perimeter Fence at Site Access | Fencing is grounded | | S | S | S | | | | | | | | | | | | |
| 4 | North Perimeter Fence at Site Access | Any indication of rust (Note 3) | | S | S | S | | | | | | | | | | | | |
| 5 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of burrowing animals | | S | S | S | | | | | | | | | | | | |
| 6 | North Perimeter Fence at Site Access | Fencing fabric is free of signs of trespassers | | S | S | S | | | | | | | | | | | | |
| 7 | IRP Cap Perimeter Fence | Proper operation of gates and latches | | S | S | S | | | | | | | | | | | | |
| 8 | IRP Cap Perimeter Fence | Fence fabric/Tension wire strung and secure | | S | S | S | | | | | | | | | | | | |
| 9 | IRP Cap Perimeter Fence | Fencing is grounded | | S | S | S | | | | | | | | | | | | |
| 10 | IRP Cap Perimeter Fence | Any indication of rust (Note 3) | | S | S | S | | | | | | | | | | | | |
| 11 | IRP Cap Perimeter Fence | Fence fabric is free of signs of burrowing animals | | S | S | S | | | | | | | | | | | | |
| 12 | IRP Cap Perimeter Fence | Fence fabric is free of signs trespassers | | S | S | S | | | | | | | | | | | | |
| 13 | Traffic Control Gates at the EDB Emergency SPL way | Gates locked pursuant to Commonwealth security HS procedures | ✓ | S | S | S | ✓ | | | | | | | | | | | |

Note: 1. Mark "S" for satisfactory condition or "U" for unsatisfactory condition.

2. Mark "N/A" if the MFDS is closed; i.e., not a workday

3. Mark "S" for satisfactory condition if 1) there is no indication of rust or if 2) there is no indication of rust but the integrity of the perimeter fence is NCT compliant

* See book for additional information

TWICE-A-MONTH

Date/Time: 1/13/04 1230 - 1350

Weather Conditions: Fair 38°

Inspector(s): R. Brown / T. Stewart

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 O&M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An O&M inspection performed following a severe weather event will count as an inspection for the specified period.

3.2 Headwalls

| Number | Old Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|---|--|--------------|----------------|-----------------|----------------------------------|
| 1 | Headwall "A" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 2 | Headwall "A" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 3 | Headwall "A" in NW Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 4 | Headwall "A" Sump in NW Corner | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 5 | Headwall "A" Sump in NW Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 6 | Headwall "B" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 7 | Headwall "B" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 8 | Headwall "B" in NW Corner | Free of tears, penetrations, or thin spots. | S | | | |
| 9 | Headwall "B" in NW Corner Batten Bar | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 10 | Upstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 11 | Upstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 12 | Upstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 13 | Upstream Headwall Sump in NE Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 14 | Downstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 15 | Downstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 16 | Downstream Headwall NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |

TWICE-A-MONTH

Date/Time: 1/13/04 1230 - 1350

Weather Conditions: Fair 38°

Inspector(s): R. Brown / T. Stewart

Type of Inspection (Circle One): General Inspection or Following Severe Weather

- See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- See Appendix A-1 O&M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix" for response time.
- Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 2/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
- An O&M inspection performed following a severe weather event will count as an inspection for the specified period.

3.4.1 Drainage Channels and 3.4.2 Diversion Berms

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|----------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Interior Y-Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Interior Y-Channel | Geotextile fabric free of damages, if exposed | | | | |
| 3 | Interior Y-Channel | Channel free of leaves or debris | | | | |
| 4 | Interior Y-Channel | Free of soft spots or wet areas | | | | |
| 5 | North Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 6 | North Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 7 | North Perimeter Drainage Channel | Channel free of leaves or debris | | | | |
| 8 | North Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 9 | North Channel Emergency Spillway | Free of tears, penetrations, or thin spots in liner | | | | |
| 10 | North Channel Emergency Spillway | Geotextile fabric free of damages, if exposed | | | | |
| 11 | North Channel Emergency Spillway | Channel free of leaves or debris impeding flow | | | | |
| 12 | North Channel Emergency Spillway | Free of soft spots or wet areas | | | | |
| 13 | East Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 14 | East Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 16 | East Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | | | | |
| 16 | East Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 17 | South Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 18 | South Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 19 | South Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | | | | |
| 20 | South Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 21 | West Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 22 | West Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 23 | West Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | | | | |
| 24 | West Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 25 | Interior Diversion Berms | Free of tears, penetrations, or thin spots in liner | | | | |
| 26 | Interior Diversion Berms | Geotextile fabric free of damages, if exposed | | | | |
| 27 | Interior Diversion Berms | Free of soft spots or wet areas | | | | |

Note: 1. Indicate which interior diversion berm in the Required Action

TWICE-A-MONTH

Date/Time: 1/13/14 1230 - 1350 Weather Conditions: Cloudy 33°
 Inspector(s): R. Brown / T. Stewart Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornados, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.26 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An OM inspection performed following a severe weather event will count as an inspection for the specified period.

3.5 Articulating Concrete Blocks (AB) System

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|---|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Geomembrane Liner Flap - South Y-Channel Inlet 1 | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Geomembrane Liner Flap - South Y-Channel Inlet 1 | Free of ballooning liner / accumulated liquid | S | | | |
| 3 | Geomembrane Liner Flap - South Y-Channel Inlet 1 | Flap is tied-in into AB mat blocks | S | | | |
| 4 | Geomembrane Liner Flap - North Y-Channel Inlet 1 | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap - North Y-Channel Inlet 1 | Free of ballooning liner / accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap - North Y-Channel Inlet 1 | Flap is tied-in into AB mat blocks | S | | | |
| 7 | Geomembrane Liner Flap - Along YChannel at Diversion Berm 6 | Free of tears, penetrations, or thin spots in liner | S | | | |
| 8 | Geomembrane Liner Flap - Along YChannel at Diversion Berm 6 | Free of ballooning liner / accumulated liquid | S | | | |
| 9 | Geomembrane Liner Flap - Along YChannel at Diversion Berm 6 | Flap is tied-in into AB mat blocks | S | | | |
| 10 | Upstream SE Perimeter Channel Dead-Man | Liner free of tears, penetrations, or thin spots | S | | | |

NOTE: 1. The deadman structures at the South North inlet of the Interior Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South North inlets. Remove any accumulated liquids (note in the Required Action) proceed with items 11 through 22.

TWICE-A-MONTH

Date/Time: 4/13/04 1230-1300 Weather Conditions: Cloudy 33°
 Inspector(s): R. Brown / T. Stewart Type of Inspection (Circle One): General Inspection or Following Severe Weather

- See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
- Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 60 knots (68 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
- An OM inspection performed following a severe weather event will count as an inspection for the specified period.

**3.5 Articulating Concrete Blocks (AB) System
(continued)**

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|--|--------------|----------------|-----------------|----------------------------------|
| 11 | Southern Dead-man at Y-Channel Inlet 2 | IRP Cap liner is free of tears, penetrations, or thin spots | NA | | | |
| 12 | Southern Dead-man at Y-Channel Inlet 2 | Liner gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | | | | |
| 13 | Southern Dead-man at Y-Channel Inlet 2 | Concrete free of cracking >1/16" wide | | | | |
| 14 | Southern Dead-man at Y-Channel Inlet 2 | Construction joints maintained | | | | |
| 15 | Southern Dead-man at Y-Channel Inlet 2 | Free of surface spalling damaging integrity | | | | |
| 16 | Southern Dead-man at Y-Channel Inlet 2 | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | | | | |
| 17 | Northern Dead-man at Y-Channel Inlet 2 | IRP Cap liner is free of tears, penetrations, or thin spots | | | | |
| 18 | Northern Dead-man at Y-Channel Inlet 2 | Liner gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | | | | |
| 19 | Northern Dead-man at Y-Channel Inlet 2 | Concrete free of cracking >1/16" wide | | | | |
| 20 | Northern Dead-man at Y-Channel Inlet 2 | Construction joints maintained | | | | |
| 21 | Northern Dead-man at Y-Channel Inlet 2 | Free of surface spalling damaging integrity | | | | |
| 22 | Northern Dead-man at Y-Channel Inlet 2 | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | | | | |

Note: 1. The dead-man structures at the South North inlets of the Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South North Inlets. Remove any accumulated liquids (note in the Required Action) proceed with inspection Items 11 through 22.

Note: 2. Upon repair, reinstall the Geomembrane Liner Flap pursuant to Section 3.5.3.1.

TWICE-A-MONTH

Date/Time: 1/13/04 1030 ~ 1130

Weather Conditions: Fair 35°

Inspector(s): R. Brown / T. Stewart

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 DM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An DM Inspection performed following a severe weather event will count as an inspection for the specified period.

4.1.1 Principal Spillway

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|------------|----------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Riser Pipe | Free of debris and obstructions | S | | | |
| 2 | H-Flume | Free of debris and obstructions | S | | | |
| 3 | H-Flume | Base is free of silt or sediment | S | | | |

4.2 Emergency Spillway

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------|---------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Concrete Pac | Free of debris and obstructions | S | | | |

4.4.3 Y-Channel Outfall

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Outfall Structure | Concrete channel free of debris obstructions | S | | | |
| 2 | Outfall Structure | Stilling basin free of debris obstructions | S | | | |
| 3 | Outfall Structure | 1' dia. weep holes free of debris obstructions | S | | | |
| 4 | Geomembrane Liner Flap at inlet of the Outfall Structure | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap at inlet of the Outfall Structure | Free of ballooning liner / accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap at inlet of the Outfall Structure | Flap is battened to the concrete channel | S | | | |
| 7 | Batten at inlet of the Outfall Structure | Free of tears, penetrations, or thin spots | S | | | |

5.2 South Drain Inlet Area

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|---------------------|------------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Upstream Headwall | Invert free of debris obstructions | S | | | |
| 1 | Downstream Headwall | Invert free of debris obstructions | S | | | |

TWICE-A-MONTH

Date/Time: 1/29/04 0905-0950
 Inspector(s): R. Brown

Weather Conditions: Fair 21°
 Type of Inspection (Circle One): General Inspection or Following Severe Weather

- See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- See Appendix A-1 O&M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
- Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 mph (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
- An O&M inspection performed following a severe weather event will count as an inspection for the specified period.

3.2 Headwalls

| Number | O&M Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed | |
|--------|---|--|--------------|----------------|-----------------|------------------|--------------|
| | | | | | | | Date/Initial |
| 1 | Headwall "A" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | | |
| 2 | Headwall "A" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | | |
| 3 | Headwall "A" in NW Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | | |
| 4 | Headwall "A" Sump in NW Corner | Secure attachment of sump lid cap at liquid collection sump. | S | | | | |
| 5 | Headwall "A" Sump in NW Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | | |
| 6 | Headwall "B" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | | |
| 7 | Headwall "B" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | | |
| 8 | Headwall "B" in NW Corner | Free of tears, penetrations, or thin spots. | S | | | | |
| 9 | Headwall "B" in NW Corner Batten Bar | Secure attachment of sump lid cap at liquid collection sump. | S | | | | |
| 10 | Upstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | | |
| 11 | Upstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | | |
| 12 | Upstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | | |
| 13 | Upstream Headwall Sump in NE Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | | |
| 14 | Downstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | | |
| 15 | Downstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | | |
| 16 | Downstream Headwall NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | | |

TWICE-A-MONTH

Date/Time: 1/29/04 1025 — 1350 Weather Conditions: Fair 21°
 Inspector(s): R. Brown Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 O&M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Rapid Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter ho. or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An O&M inspection performed following a severe weather event will count as an inspection for the specified period.

3.4.1 Drainage Channels and 3.4.2 Diversion Berms

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|----------------------------------|---|--------------|----------------|-----------------|----------------------------------|
| 1 | Interior Y-Channel | Free of tears, penetrations, or thin spots in liner | Satisfactory | | | |
| 2 | Interior Y-Channel | Geotextile fabric free of damages, if exposed | | | | |
| 3 | Interior Y-Channel | Channel free of leaves or debris | | | | |
| 4 | Interior Y-Channel | Free of soft spots or wet areas | | | | |
| 5 | North Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 6 | North Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 7 | North Perimeter Drainage Channel | Channel free of leaves or debris | | | | |
| 8 | North Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 9 | North Channel Emergency Spillway | Free of tears, penetrations, or thin spots in liner | | | | |
| 10 | North Channel Emergency Spillway | Geotextile fabric free of damages, if exposed | | | | |
| 11 | North Channel Emergency Spillway | Channel free of leaves or debris impeding flow | | | | |
| 12 | North Channel Emergency Spillway | Free of soft spots or wet areas | | | | |
| 13 | East Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 14 | East Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 16 | East Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | | | | |
| 16 | East Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 17 | South Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 18 | South Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 19 | South Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | | | | |
| 20 | South Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 21 | West Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 22 | West Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 23 | West Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | | | | |
| 24 | West Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 25 | Interior Diversion Berms | Free of tears, penetrations, or thin spots in liner | | | | |
| 26 | Interior Diversion Berms | Geotextile fabric free of damages, if exposed | | | | |
| 27 | Interior Diversion Berms | Free of soft spots or wet areas | | | | |

Note: 1. Indicate which interior diversion berm in the Required Action

TWICE-A-MONTH

Date/Time: 1/29/04 1025-1350 Weather Conditions: Fair 21°
 Inspector(s): R. Brown Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Rapid Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An OM inspection performed following a severe weather event will count as an inspection for the specified period.

3.5 Articulating Concrete Blocks (AB) System

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|----------------------------------|
| 1 | Geomembrane Liner Flap - South Y-Channel Inlet 1 | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Geomembrane Liner Flap - South Y-Channel Inlet 1 | Free of ballooning liner / accumulated liquid | S | | | |
| 3 | Geomembrane Liner Flap - South Y-Channel Inlet 1 | Y- Flap is tied-in into AB mat blocks | S | | | |
| 4 | Geomembrane Liner Flap - North Y-Channel Inlet 1 | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap - North Y-Channel Inlet 1 | Free of ballooning liner / accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap - North Y-Channel Inlet 1 | Flap is tied-in into AB mat blocks | S | | | |
| 7 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of tears, penetrations, or thin spots in liner | S | | | |
| 8 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of ballooning liner / accumulated liquid | S | | | |
| 9 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Flap is tied-in into AB mat blocks | S | | | |
| 10 | Upstream SE Perimeter Channel Dead-Man | Liner free of tears, penetrations, or thin spots | S | | | |

NOTE: 1. The deadman structures at the South North Inlet of the Interior Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South North inlets. Remove any accumulated liquids (note in the Required Action) proceed with items 11 through 22.

TWICE-A-MONTH

Date/Time: 1/29/04 1025-1350 Weather Conditions: Fair 24°
 Inspector(s): R. Brown Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual); and following severe weather.
2. See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An OM inspection performed following a severe weather event will count as an inspection for the specified period.

**3.5 Articulating Concrete Blocks (AB) System
(continued)**

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|--|--------------|----------------|-----------------|----------------------------------|
| 11 | Southern Dead-man at Y-Channel Inlet 2 | IRP Cap liner is free of tears, perforations, or thin spots | | | | |
| 12 | Southern Dead-man at Y-Channel Inlet 2 | Liner gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | | | | |
| 13 | Southern Dead-man at Y-Channel Inlet 2 | Concrete free of cracking >1/16" wide | | | | |
| 14 | Southern Dead-man at Y-Channel Inlet 2 | Construction joints maintained | | | | |
| 15 | Southern Dead-man at Y-Channel Inlet 2 | Free of surface spalling damaging integrity | | | | |
| 16 | Southern Dead-man at Y-Channel Inlet 2 | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | | | | |
| 17 | Northern Dead-man at Y-Channel Inlet 2 | IRP Cap liner is free of tears, perforations, or thin spots | | | | |
| 18 | Northern Dead-man at Y-Channel Inlet 2 | Liner gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | | | | |
| 19 | Northern Dead-man at Y-Channel Inlet 2 | Concrete free of cracking >1/16" wide | | | | |
| 20 | Northern Dead-man at Y-Channel Inlet 2 | Construction joints maintained | | | | |
| 21 | Northern Dead-man at Y-Channel Inlet 2 | Free of surface spalling damaging integrity | | | | |
| 22 | Northern Dead-man at Y-Channel Inlet 2 | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | | | | |

Note: 1. The dead-man structures at the South-North inlet of the Y-channel are covered with geomembrane liner flaps. Upon identification of tears/perforations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South-North inlets. Remove any accumulated liquids (note in the Required Action); proceed with inspection items 11 through 22.

Note: 2. Upon repair, reinstall the Geomembrane Liner Flap pursuant to Section 3.5.3.1.

TWICE-A-MONTH

Date/Time: 1/28/04 1300 - 1400 Weather Conditions: Clear 19°
 Inspector(s): R. Brown Type of Inspection (Circle One): General Inspection or Following Severe Weather

- See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
- Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornados, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
- An OM inspection performed following a severe weather event will count as an inspection for the specified period.

4.1.1 Principal Spillway

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|------------|----------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Riser Pipe | Free of debris and obstructions | S | | | |
| 2 | H-Flume | Free of debris and obstructions | S | | | |
| 3 | H-Flume | Base is free of silt or sediment | S | | | |

4.2 Emergency Spillway

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------|---------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Concrete Pad | Free of debris and obstructions | S | | | |

4.4.3 Y-Channel Outfall

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Outfall Structure | Concrete channel free of debris obstructions | S | | | |
| 2 | Outfall Structure | Stilling basin free of debris obstructions | S | | | |
| 3 | Outfall Structure | 1' dia. weep holes free of debris obstructions | S | | | |
| 4 | Geomembrane Liner Flap at Inlet of the Outfall Structure | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap at Inlet of the Outfall Structure | Free of ballooning liner / accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap at Inlet of the Outfall Structure | Flap is battened to the concrete channel | S | | | |
| 7 | Batten at Inlet of the Outfall Structure | Free of tears, penetrations, or thin spots | S | | | |

5.2 South Drain Inlet Area

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|---------------------|------------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Upstream Headwall | Invert free of debris obstructions | S | | | |
| 1 | Downstream Headwall | Invert free of debris obstructions | S | | | |

TWICE-A-MONTH

Date/Time: 2/9/04 0905 - 1100 Weather Conditions: Fair 31°
 Inspector(s): R. BROWN Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-3, O&M Requirements Matrix for reporting/operational requirements and maintenance activities and Appendix A-2, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornados, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity short duration storm event with an intensity of 1 inch per hour.
4. An O&M inspection performed following a severe weather event will count as an inspection for the specified period.

3.2 Headwalls

| Number | O&M Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed | |
|--------|---|--|--------------|----------------|-----------------|------------------|--|
| | | | | | | Date/Initial | |
| 1 | Headwall "A" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | | |
| 2 | Headwall "A" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | | |
| 3 | Headwall "A" in NW Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | | |
| 4 | Headwall "A" Sump in NW Corner | Secure attachment of sump lid cap at liquid collection sump. | S | | | | |
| 5 | Headwall "A" Sump in NW Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | | |
| 6 | Headwall "B" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | | |
| 7 | Headwall "B" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | | |
| 8 | Headwall "B" in NW Corner | Free of tears, penetrations, or thin spots. | S | | | | |
| 9 | Headwall "B" in NW Corner Batten Bar | Secure attachment of sump lid cap at liquid collector sump. | S | | | | |
| 10 | Upstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | | |
| 11 | Upstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | | |
| 12 | Upstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | | |
| 13 | Upstream Headwall Sump in NE Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | | |
| 14 | Downstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | | |
| 15 | Downstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | | |
| 16 | Downstream Headwall NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | | |

TWICE-A-MONTH

Date/Time: 2/19/04

0905 - 1100

Weather Conditions:

Fair 31°

Inspector(s): R. Brown

Type of Inspection (Circle One):

General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 O&M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix" for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An O&M inspection performed following a severe weather event will count as an inspection for the specified period.

3.4.1 Drainage Channels and 3.4.2 Diversion Berms

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|----------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Interior Y-Channel | Free of tears, penetrations, or thin spots in liner | Satisfactory | | | |
| 2 | Interior Y-Channel | Geotextile fabric free of damages, if exposed | | | | |
| 3 | Interior Y-Channel | Channel free of leaves or debris | | | | |
| 4 | Interior Y-Channel | Free of soft spots or wet areas | | | | |
| 5 | North Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 6 | North Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 7 | North Perimeter Drainage Channel | Channel free of leaves or debris | | | | |
| 8 | North Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 9 | North Channel Emergency Spillway | Free of tears, penetrations, or thin spots in liner | | | | |
| 10 | North Channel Emergency Spillway | Geotextile fabric free of damages, if exposed | | | | |
| 11 | North Channel Emergency Spillway | Channel free of leaves or debris impeding flow | | | | |
| 12 | North Channel Emergency Spillway | Free of soft spots or wet areas | | | | |
| 13 | East Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 14 | East Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 16 | East Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | | | | |
| 16 | East Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 17 | South Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 18 | South Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 19 | South Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | | | | |
| 20 | South Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 21 | West Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 22 | West Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 23 | West Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | | | | |
| 24 | West Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 25 | Interior Diversion Berms | Free of tears, penetrations, or thin spots in liner | | | | |
| 26 | Interior Diversion Berms | Geotextile fabric free of damages, if exposed | | | | |
| 27 | Interior Diversion Berms | Free of soft spots or wet areas | | | | |

Note: 1. Indicates which interior diversion berm in the Required Action

TWICE-A-MONTH

Date/Time: 2/9/04 0905 - 1100
 Inspector(s): R. Brown

Weather Conditions: Fair 31°
 Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2 "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 O&M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Nepal Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An O&M inspection performed following a severe weather event will count as an inspection for the specified user.

3.5 Articulating Concrete Blocks (AB) System

| Number | O&M Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|----------------------------------|
| 1 | Geomembrane Liner Flap - South Y-Channel Inlet 1 | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Geomembrane Liner Flap - South Y-Channel Inlet 1 | Free of ballooning liner / accumulated liquid | S | | | |
| 3 | Geomembrane Liner Flap - South Channel Inlet 1 | Y- Flap is tied-in into AB mat blocks | S | | | |
| 4 | Geomembrane Liner Flap - North Y-Channel Inlet 1 | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap - North Y-Channel Inlet 1 | Free of ballooning liner / accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap - North Y-Channel Inlet 1 | Flap is tied-in into AB mat blocks | S | | | |
| 7 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of tears, penetrations, or thin spots in liner | S | | | |
| 8 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of ballooning liner / accumulated liquid | S | | | |
| 9 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Flap is tied-in into AB mat blocks | S | | | |
| 10 | Upstream SE Perimeter Channel Dead-Man | Liner free of tears, penetrations, or thin spots | S | | | |

NOTE: 1. The deadman structures at the South North Inlet of the Interior Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South North inlets. Remove any accumulated liquids (note in the Required Action) proceed with Items 11 through 22.

TWICE-A-MONTH

Date/Time: 2/9/04 0905-1400 Weather Conditions: Fair 31°
 Inspector(s): R. BROWN Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspector Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: alizzards, ice storms, tornadoes, wind measuring 53 knots (36 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An OM inspection performed following a severe weather event will count as an inspection for the specified period.

**3.5 Articulating Concrete Blocks (AB) System
(continued)**

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|--|--------------|----------------|-----------------|-------------------------------|
| 11 | Southern Dead-man at Y-Channel Inlet 2 | IRP Cap liner is free of tears, penetrations, or thin spots | | | | |
| 12 | Southern Dead-man at Y-Channel Inlet 2 | Liner gasket material are securely attached to the dead-man structure at the batter bar (no seepage points) | | | | |
| 13 | Southern Dead-man at Y-Channel Inlet 2 | Concrete free of cracking >1/16" wide | | | | |
| 14 | Southern Dead-man at Y-Channel Inlet 2 | Construction joints maintained | | | | |
| 15 | Southern Dead-man at Y-Channel Inlet 2 | Free of surface spalling damaging integrity | | | | |
| 16 | Southern Dead-man at Y-Channel Inlet 2 | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | | | | |
| 17 | Northern Dead-man at Y-Channel Inlet 2 | IRP Cap liner is free of tears, penetrations, or thin spots | | | | |
| 18 | Northern Dead-man at Y-Channel Inlet 2 | Liner gasket material are securely attached to the dead-man structure at the batter bar (no seepage points) | | | | |
| 19 | Northern Dead-man at Y-Channel Inlet 2 | Concrete free of cracking >1/16" wide | | | | |
| 20 | Northern Dead-man at Y-Channel Inlet 2 | Construction joints maintained | | | | |
| 21 | Northern Dead-man at Y-Channel Inlet 2 | Free of surface spalling damaging integrity | | | | |
| 22 | Northern Dead-man at Y-Channel Inlet 2 | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | | | | |

Note: 1. The dead-man structures at the South (North) inlet of the Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South (North) inlets. Remove any accumulated liquids (note in the Required Action) proceed with inspection items 11 through 22.

Note: 2. Upon repair, reinstall the Geomembrane Liner Flap pursuant to Section 3.5.3.1.

TWICE-A-MONTH

Date/Time: 2/9/04 1330-1530

Weather Conditions: Hurries 30°

Inspector(s): R. Brown

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-5, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An OM inspection performed following a severe weather event will count as an inspection for the specified period.

4.1.1 Principal Spillway

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|------------|----------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Riser Pipe | Free of debris and obstructions | S | | | |
| 2 | H-Flume | Free of debris and obstructions | S | | | |
| 3 | H-Flume | Base is free of silt or sediment | S | | | |

4.2 Emergency Spillway

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------|---------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Concrete Pad | Free of debris and obstructions | S | | | |

4.4.3 Y-Channel Outfall

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Outfall Structure | Concrete channel free of debris obstructions | S | | | |
| 2 | Outfall Structure | Stilling basin free of debris obstructions | S | | | |
| 3 | Outfall Structure | 1' dia. weep holes free of debris obstructions | S | | | |
| 4 | Geomembrane Liner Flap at Inlet of the Outfall Structure | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap at Inlet of the Outfall Structure | Free of ballooning liner / accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap at Inlet of the Outfall Structure | Flap is battened to the concrete channel | S | | | |
| 7 | Batten at inlet of the Outfall Structure | Free of tears, penetrations, or thin spots | S | | | |

5.2 South Drain Inlet Area

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|---------------------|------------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Upstream Headwall | Invert free of debris obstructions | S | | | |
| 1 | Downstream Headwall | Invert free of debris obstructions | S | | | |

TWICE-A-MONTH

Date/Time: 2/19/04 10:30-12:00 Weather Conditions: Fair 40°
 Inspector(s): R. Brown / D. Pellitt Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2 "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 OM Requirements Matrix for recording/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An OM Inspection performed following a severe weather event will count as an inspection for the specified period.

3.2 Headwalls

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|---|--|--------------|----------------|-----------------|----------------------------------|
| 1 | Headwall "A" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 2 | Headwall "A" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 3 | Headwall "A" in NW Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 4 | Headwall "A" Sump in NW Corner | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 5 | Headwall "A" Sump in NW Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 6 | Headwall "B" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 7 | Headwall "B" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 8 | Headwall "B" in NW Corner | Free of tears, penetrations, or thin spots. | S | | | |
| 9 | Headwall "B" in NW Corner Batten Bar | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 10 | Upstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 11 | Upstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 12 | Upstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 13 | Upstream Headwall Sump in NE Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 14 | Downstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 15 | Downstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 16 | Downstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |

TWICE-A-MONTH

Date/Time: 2/19/04 1240-1400 Weather Conditions: Fair 40°
 Inspector(s): R. Brown / D. Pollitt Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, "OM Requirements Matrix" for recording/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response times.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, hurricanes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An OM inspection performed following a severe weather event will count as an inspection for the specified period.

3.5 Articulating Concrete Blocks (AB) System

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/initial |
|--------|---|---|--------------|----------------|-----------------|----------------------------------|
| 1 | Geomembrane Liner Flap - South Y-Channel Inlet 1 | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Geomembrane Liner Flap - South Y-Channel Inlet 1 | Free of ballooning liner / accumulated liquid | S | | | |
| 3 | Geomembrane Liner Flap - South Y-Channel Inlet 1 | Flaps tied-in into AB mat blocks | S | | | |
| 4 | Geomembrane Liner Flap - North Y-Channel Inlet 1 | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap - North Y-Channel Inlet 1 | Free of ballooning liner / accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap - North Y-Channel Inlet 1 | Flap is tied-in into AB mat blocks | S | | | |
| 7 | Geomembrane Liner Flap - Along YChannel at Diversion Berm 6 | Free of tears, penetrations, or thin spots in liner | S | | | |
| 8 | Geomembrane Liner Flap - Along YChannel at Diversion Berm 6 | Free of ballooning liner / accumulated liquid | S | | | |
| 9 | Geomembrane Liner Flap - Along YChannel at Diversion Berm 6 | Flaps tied-in into AB mat blocks | S | | | |
| 10 | Upstream SE Perimeter Channel Dead-Man | Liner free of tears, penetrations, or thin spots | S | | | |

NOTE: 1. The deadman structures at the South North inlet of the interior Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South North Inlets. Remove any accumulated liquids (note in the Required Action) proceed with items 11 through 22.

TWICE-A-MONTH

Date/Time: 3/19/04 1240 - 1400 Weather Conditions: Fair 45°
 Inspector(s): R. Brown / D. Pollitt Type of Inspection (Circle One): General Inspection of Following Severe Weather

- 1. See Appendix A-2 "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- 2. See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
- 3. Severe Weather conditions include but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
- 4. An OM Inspection performed following a severe weather event will count as an inspection for the specified period.

**3.5 Articulating Concrete Blocks (AB) System
(continued)**

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|--|--------------|----------------|-----------------|----------------------------------|
| 11 | Southern Dead-man at Y-Channel Inlet 2 | IRP Cap liner is free of tears, penetrations, or thin spots | N/A | | | |
| 12 | Southern Dead-man at Y-Channel Inlet 2 | Liner gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | | | | |
| 13 | Southern Dead-man at Y-Channel Inlet 2 | Concrete free of cracking > 1/16" wide | | | | |
| 14 | Southern Dead-man at Y-Channel Inlet 2 | Construction joints maintained | | | | |
| 15 | Southern Dead-man at Y-Channel Inlet 2 | Free of surface spalling damaging integrity | | | | |
| 16 | Southern Dead-man at Y-Channel Inlet 2 | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | | | | |
| 17 | Northern Dead-man at Y-Channel Inlet 2 | IRP Cap liner is free of tears, penetrations, or thin spots | | | | |
| 18 | Northern Dead-man at Y-Channel Inlet 2 | Liner gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | | | | |
| 19 | Northern Dead-man at Y-Channel Inlet 2 | Concrete free of cracking > 1/16" wide | | | | |
| 20 | Northern Dead-man at Y-Channel Inlet 2 | Construction joints maintained | | | | |
| 21 | Northern Dead-man at Y-Channel Inlet 2 | Free of surface spalling damaging integrity | | | | |
| 22 | Northern Dead-man at Y-Channel Inlet 2 | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | | | | |

Note: 1. The dead-man structures at the South North inlet of the Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South North Inlets. Remove any accumulated liquids (note in the Required Action) proceed with inspection items 11 through 22.

Note: 2. Upon repair, reinstall the Geomembrane Liner Flap pursuant to Section 3.5.3.1.

TWICE-A-MONTH

Date/Time: 2/19/04 1240 - 1530 Weather Conditions: Fair 40°
 Inspector(s): R. Brown / D. Pollitt Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An OM inspection performed following a severe weather event will count as an inspection for the specified period.

4.1.1 Principal Spillway

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|------------|----------------------------------|--------------|----------------|-----------------|----------------------------------|
| 1 | Riser Pipe | Free of debris and obstructions | S | | | |
| 2 | H-Flume | Free of debris and obstructions | S | | | |
| 3 | H-Flume | Base is free of silt or sediment | S | | | |

4.2 Emergency Spillway

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------|---------------------------------|--------------|----------------|-----------------|----------------------------------|
| 1 | Concrete Pad | Free of debris and obstructions | S | | | |

4.4.3 Y-Channel Outfall

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|----------------------------------|
| 1 | Outfall Structure | Concrete channel free of debris obstructions | S | | | |
| 2 | Outfall Structure | Stiffing basin free of debris obstructions | S | | | |
| 3 | Outfall Structure | 1" dia. weep holes free of debris obstructions | S | | | |
| 4 | Geomembrane Liner Flap at Inlet of the Outfall Structure | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap at inlet of the Outfall Structure | Free of ballooning liner / accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap at inlet of the Outfall Structure | Flap is battened to the concrete channel | S | | | |
| 7 | Jacket at inlet of the Outfall Structure | Free of tears, penetrations, or thin spots | S | | | |

5.2 South Drain Inlet Area

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|---------------------|------------------------------------|--------------|----------------|-----------------|----------------------------------|
| 1 | Upstream Headwall | Invert free of debris obstructions | S | | | |
| 1 | Downstream Headwall | Invert free of debris obstructions | S | | | |

TWICE-A-MONTH

Date/Time: 3/8/04 1020-1350 Weather Conditions: Cloudy 30°
 Inspector(s): R. Brown / T. Stewart Type of Inspection (Circle One): General Inspection or Following Severe Weather *

- See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- See Appendix A-1 O&M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
- Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (68 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rain fall in a 24-hour period or a high intensity short-duration storm event with an intensity of 1 inch per hour.
- An O&M inspection performed following a severe weather event will count as an inspection for the specified period.

3.2 Headwalls

| Number | O&M Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|---|--|--------------|----------------|-----------------|----------------------------------|
| 1 | Headwall "A" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 2 | Headwall "A" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 3 | Headwall "A" in NW Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 4 | Headwall "A" Sump in NW Corner | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 5 | Headwall "A" Sump in NW Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 6 | Headwall "B" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 7 | Headwall "B" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 8 | Headwall "B" in NW Corner | Free of tears, penetrations, or thin spots. | S | | | |
| 9 | Headwall "B" in NW Corner Batten Bar | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 10 | Upstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 11 | Upstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 12 | Upstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 13 | Upstream Headwall Sump in NE Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 14 | Downstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 15 | Downstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 16 | Downstream Headwall NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |

* Received 2.22 inches of rain 3/5/04

TWICE-A-MONTH

Date/Time: 3/8/04 1020-1350

Weather Conditions: Cloudy

39°

Inspector(s): R. Brown / T. Stewart

Type of Inspection (Circle One): General Inspection or Following Severe Weather *

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 O&M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An O&M inspection performed following a severe weather event will count as an inspection for the specified period.

3.4.1 Drainage Channels and 3.4.2 Diversion Berms

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|----------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Interior Y-Channel | Free of tears, penetrations, or thin spots in liner | Satisfactory | | | |
| 2 | Interior Y-Channel | Geotextile fabric free of damages, if exposed | | | | |
| 3 | Interior Y-Channel | Channel free of leaves or debris | | | | |
| 4 | Interior Y-Channel | Free of soft spots or wet areas | | | | |
| 5 | North Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 6 | North Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 7 | North Perimeter Drainage Channel | Channel free of leaves or debris | | | | |
| 8 | North Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 9 | North Channel Emergency Spillway | Free of tears, penetrations, or thin spots in liner | | | | |
| 10 | North Channel Emergency Spillway | Geotextile fabric free of damages, if exposed | | | | |
| 11 | North Channel Emergency Spillway | Channel free of leaves or debris impeding flow | | | | |
| 12 | North Channel Emergency Spillway | Free of soft spots or wet areas | | | | |
| 13 | East Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 14 | East Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 16 | East Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | | | | |
| 16 | East Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 17 | South Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 18 | South Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 19 | South Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | | | | |
| 20 | South Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 21 | West Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 22 | West Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 23 | West Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | | | | |
| 24 | West Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 25 | Interior Diversion Berms | Free of tears, penetrations, or thin spots in liner | | | | |
| 26 | Interior Diversion Berms | Geotextile fabric free of damages, if exposed | | | | |
| 27 | Interior Diversion Berms | Free of soft spots or wet areas | | | | |

Note: 1. Indicate which line for diversion berm in the Required Action

* Received 3.22 inches of rain 3/5/04

TWICE-A-MONTH

Date/Time: 3/8/04 1020 - 1350
 Inspector(s): R. Brown / T. Stewart

Weather Conditions: Cloudy 39*
 Type of Inspection (Circle One): General Inspection or Following Severe Weather *

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 O&M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An O&M inspection performed following a severe weather event will count as an inspection for the specified period.

3.5 Articulating Concrete Blocks (AB) System

| Number | O&M Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|---|---|--------------|----------------|-----------------|----------------------------------|
| 1 | Geomembrane Liner Flap - South Y-Channel Inlet 1 | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Geomembrane Liner Flap - South Y-Channel Inlet 1 | Free of ballooning liner / accumulated liquid | S | | | |
| 3 | Geomembrane Liner Flap - South Y-Channel Inlet 1 | Flap is tied-in into AB mat blocks | S | | | |
| 4 | Geomembrane Liner Flap - North Y-Channel Inlet 1 | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap - North Y-Channel Inlet 1 | Free of ballooning liner / accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap - North Y-Channel Inlet 1 | Flap is tied-in into AB mat blocks | S | | | |
| 7 | Geomembrane Liner Flap - Along YChannel at Diversion Berm B | Free of tears, penetrations, or thin spots in liner | S | | | |
| 8 | Geomembrane Liner Flap - Along YChannel at Diversion Berm B | Free of ballooning liner / accumulated liquid | S | | | |
| 9 | Geomembrane Liner Flap - Along YChannel at Diversion Berm B | Flap is tied-in into AB mat blocks | S | | | |
| 10 | Upstream SE Perimeter Channel Dead Man | Liner free of tears, penetrations, or thin spots | S | | | |

NOTE: 1. The deadman structures at the South North Inlet of the Interior Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South North Inlets. Remove any accumulated liquids (note in the Required Action) proceed with items 11 through 22.

* Received 2.22 inches of rain 3/5/04

TWICE-A-MONTH

Date/Time: 3/9/04 1020-1350
 Inspector(s): R. Brown / T. Stewart

Weather Conditions: Cloudy 39°
 Type of Inspection (Circle One): General Inspection or Following Severe Weather*

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 CM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An OM inspection performed following a severe weather event will count as an inspection for the specified period.

**3.5 Articulating Concrete Blocks (AB) System
(continued)**

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|--|--------------|----------------|-----------------|----------------------------------|
| 11 | Southern Dead-man at Y-Channel Inlet 2 | IRP Cap liner is free of tears, penetrations, or thin spots | N/A | | | |
| 12 | Southern Dead-man at Y-Channel Inlet 2 | Liner gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | | | | |
| 13 | Southern Dead-man at Y-Channel Inlet 2 | Concrete free of cracking > 1/16" wide | | | | |
| 14 | Southern Dead-man at Y-Channel Inlet 2 | Construction joints maintained | | | | |
| 15 | Southern Dead-man at Y-Channel Inlet 2 | Free of surface spalling damaging integrity | | | | |
| 16 | Southern Dead-man at Y-Channel Inlet 2 | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | | | | |
| 17 | Northern Dead-man at Y-Channel Inlet 2 | IRP Cap liner is free of tears, penetrations, or thin spots | | | | |
| 18 | Northern Dead-man at Y-Channel Inlet 2 | Liner gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | | | | |
| 19 | Northern Dead-man at Y-Channel Inlet 2 | Concrete free of cracking > 1/16" wide | | | | |
| 20 | Northern Dead-man at Y-Channel Inlet 2 | Construction joints maintained | | | | |
| 21 | Northern Dead-man at Y-Channel Inlet 2 | Free of surface spalling damaging integrity | | | | |
| 22 | Northern Dead-man at Y-Channel Inlet 2 | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | | | | |

Note: 1. The dead-man structures at the South (North) inlet of the Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South (North) inlets. Remove any accumulated liquids (note in the Required Action) proceed with inspection items 11 through 22.

Note: 2. Upon repair, reinstall the Geomembrane Liner Flap pursuant to Section 3.5.3.1.

* Received 2.22 inches of rain 3/5/04.

TWICE-A-MONTH

Date/Time: 3/8/04 1020 - 1350 Weather Conditions: C. Cloudy 39°
 Inspector(s): R. Brown / T. Stewart Type of Inspection (Circle One): General Inspection or Following Severe Weather *

- See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following cover weather.
- See Appendix A-1, "OM Requirements Matrix" for reporting/documentation requirements and Appendix A-3, "Resp. Response Matrix", for response time.
- Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (56 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
- An OM inspection performed following a severe weather event will count as an inspection for the specified period.

4.1.1 Principal Spillway

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|------------|----------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Riser Pipe | Free of debris and obstructions | S | | | |
| 2 | H-Flume | Free of debris and obstructions | S | | | |
| 3 | H-Flume | Base is free of silt or sediment | S | | | |

4.2 Emergency Spillway

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------|---------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Concrete Pad | Free of debris and obstructions | S | | | |

4.4.3 Y-Channel Outfall

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Outfall Structure | Concrete channel free of debris obstructions | S | | | |
| 2 | Outfall Structure | Stiffing basin free of debris obstructions | S | | | |
| 3 | Outfall Structure | 1' dia. weep holes free of debris obstructions | S | | | |
| 4 | Geomembrane Liner Flap at inlet of the Outfall Structure | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap at inlet of the Outfall Structure | Free of ballooning liner / accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap at inlet of the Outfall Structure | Flap is battened to the concrete channel | S | | | |
| 7 | Bottom at inlet of the Outfall Structure | Free of tears, penetrations, or thin spots | S | | | |

5.2 South Drain Inlet Area

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|---------------------|------------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Upstream Headwall | Invert free of debris obstructions | S | | | |
| 1 | Downstream Headwall | Invert free of debris obstructions | S | | | |

TWICE-A-MONTH

Date/Time: MARCH 29, 2004 9:30 - 2:15

Weather Conditions: P. Cloudy 65°

Inspector(s): POLLITT & STEWART

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, C and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 m.p.s. per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.2 Headwalls

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Complete Date/Initial |
|--------|---|--|--------------|----------------|-----------------|------------------------------|
| 1 | Headwall "A" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 2 | Headwall "A" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 3 | Headwall "A" in NW Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 4 | Headwall "A" Sump in NW Corner | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 5 | Headwall "A" Sump in NW Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 6 | Headwall "B" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 7 | Headwall "B" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | Removed Leaves | |
| 8 | Headwall "B" in NW Corner | Free of tears, penetrations, or thin spots. | S | | | |
| 9 | Headwall "B" in NW Corner Batten Bar | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 10 | Upstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 11 | Upstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 12 | Upstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 13 | Upstream Headwall Sump in NE Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 14 | Downstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 15 | Downstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 16 | Downstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |

TWICE-A-MONTH

Date/Time: MARCH 29, 2004 9:30 - 2:15

Weather Conditions: P. Cloudy

65°

Inspector(s): POLLITT / STEWART

Type of Inspection (Circle One):

General Inspection

or

Following Severe Weather

1. See Appendix A-2 "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, O and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a light intensity shower duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event, will count as an inspection for the specified period.

3.4.1 Drainage Channels and 3.4.2 Diversion Berms

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|----------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Interior Y-Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Interior Y-Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 3 | Interior Y-Channel | Channel free of leaves or debris | S | | | |
| 4 | Interior Y-Channel | Free of soft spots or wet areas | S | | | |
| 5 | North Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 6 | North Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 7 | North Perimeter Drainage Channel | Channel free of leaves or debris | S | | | |
| 8 | North Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 9 | North Channel Emergency Spillway | Free of tears, penetrations, or thin spots in liner | S | | | |
| 10 | North Channel Emergency Spillway | Geotextile fabric free of damages, if exposed | S | | | |
| 11 | North Channel Emergency Spillway | Channel free of leaves or debris impeding flow | S | | | |
| 12 | North Channel Emergency Spillway | Free of soft spots or wet areas | S | | | |
| 13 | East Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 14 | East Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 16 | East Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | S | | | |
| 16 | East Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 17 | South Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 18 | South Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 19 | South Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | S | | | |
| 20 | South Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 21 | West Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 22 | West Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 23 | West Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | S | | | |
| 24 | West Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 25 | Interior Diversion Berms | Free of tears, penetrations, or thin spots in liner | S | | | |
| 26 | Interior Diversion Berms | Geotextile fabric free of damages, if exposed | S | | | |
| 27 | Interior Diversion Berms | Free of soft spots or wet areas | S | | | |

Note: (1) Indicate which interior diversion berm in the Required Action

TWICE-A-MONTH

Date/Time: MARCH 29, 2004 9:30 - 2:15 Weather Conditions: P. Cloudy 65°
 Inspectors: POLLITT / STEWART Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and "following severe weather".
2. See Appendix A-1, C and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 90 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.5 Articulating Concrete Blocks (AB) System

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 3 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 4 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 7 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm A | Free of tears, penetrations, or thin spots in liner | S | | | |
| 8 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm B | Free of ballooning liner / accumulated liquid | S | | | |
| 9 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm B | Flap is tied-in into AB mat blocks | S | | | |
| 10 | Upstream SE Perimeter Channel Dead-Man | Liner free of tears, penetrations, or thin spots | S | | | |

NOTE: (1) The dead-man structures at the South and North inlet of the interior Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North Inlets. Remove any accumulated liquids (note in the Required Action) proceed with items 11 through 22.

TWICE-A-MONTH

Date/Time: MARCH 29, 2004 9:30 - 2:15

Weather Conditions: P. Cloudy 65°

Inspector(s): POHLETT - STEWART

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 O&M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.5 Articulating Concrete Blocks (AB) System (continued)

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|--|--------------|----------------|-----------------|-------------------------------|
| 11 | Southern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | S | | | |
| 12 | Southern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | S | | | |
| 13 | Southern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking > 1/16" wide | S | | | |
| 14 | Southern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | S | | | |
| 15 | Southern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | S | | | |
| 16 | Southern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 17 | Northern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | S | | | |
| 18 | Northern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | S | | | |
| 19 | Northern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking > 1/16" wide | S | | | |
| 20 | Northern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | S | | | |
| 21 | Northern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | S | | | |
| 22 | Northern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |

Note: (1) The dead-man structures at the South and North Inlet of the Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North Inlets. Remove any accumulated liquids (note in the Required Action) and proceed with inspection items 11 through 22.

Note: (2) Upon repair, reinstall the Geomembrane Liner Flap pursuant to Section 3.5.3.1.

TWICE-A-MONTH

Date/Time: MARCH 29, 2004 9:30 - 2:15 Weather Conditions: P. Cloudy 65°
 Inspector(s): POLLITT - STEWART Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2 "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 "OM Requirements Matrix" for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

4.1.1 Principal Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|----------------------------------|--------------|----------------|-----------------|----------------------------------|
| 1 | Riser Pipe | Free of debris and obstructions | S | | | |
| 2 | H-Flume | Free of debris and obstructions | S | | | |
| 3 | H-Flume | Base is free of silt or sediment | S | | | |

4.2 Emergency Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---------------------------------|--------------|----------------|-----------------|----------------------------------|
| 1 | Concrete Pad | Free of debris and obstructions | S | | | |

4.4.3 Y-Channel Outfall

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|----------------------------------|
| 1 | Outfall Structure | Concrete channel free of debris and obstructions | S | | | |
| 2 | Outfall Structure | Stilling basin free of debris and obstructions | S | | | |
| 3 | Outfall Structure | 1' dia. weep holes free of debris and obstructions | S | | | |
| 4 | Geomembrane Liner Flap at inlet of the Outfall Structure | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap at inlet of the Outfall Structure | Free of ballooning liner/accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap at inlet of the Outfall Structure | Flap is bottomed to the concrete channel | S | | | |
| 7 | Batten at Inlet of the Outfall Structure | Free of tears, penetrations, or thin spots | S | | | |

5.2 South Drain Inlet Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|------------------------------------|--------------|----------------|-----------------|----------------------------------|
| 1 | Upstream Headwall | Invert free of debris obstructions | S | | | |
| 2 | Downstream Headwall | Invert free of debris obstructions | S | | | |

TWICE-A-MONTH

Date/Time: 4/15/04 1:30

Weather Conditions: P. Clearly 63°

Inspector(s): J. Strampel

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, O and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, ice adobe, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.2 Headwalls

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Complete Date/Initial |
|--------|---|--|--------------|----------------|-----------------|---------------------------------|
| 1 | Headwall "A" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 2 | Headwall "A" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 3 | Headwall "A" in NW Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 4 | Headwall "A" Sump in NW Corner | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 5 | Headwall "A" Sump in NW Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 6 | Headwall "B" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 7 | Headwall "B" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 8 | Headwall "B" in NW Corner | Free of tears, penetrations, or thin spots. | S | | | |
| 9 | Headwall "B" in NW Corner Batten Bar | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 10 | Upstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 11 | Upstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 12 | Upstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 13 | Upstream Headwall Sump in NE Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 14 | Downstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 15 | Downstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 16 | Downstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |

TWICE-A-MONTH

Date/Time: 4/15/04 1230

Weather Conditions: Partly Cloudy 63°

Inspector(s): J. Stangor

Type of Inspection (Circle One): General Inspection or

Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, O and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response times.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.5 Articulating Concrete Blocks (AB) System

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 3 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 4 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 7 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of tears, penetrations, or thin spots in liner | S | | | |
| 8 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of ballooning liner / accumulated liquid | S | | | |
| 9 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Flap is tied-in into AB mat blocks | S | | | |
| 10 | Upstream SE Perimeter Channel Dead-Man | Liner free of tears, penetrations, or thin spots | S | | | |

NOTE: (1) The deadman structures at the South and North Inlet of the interior Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North inlets. Remove any accumulated liquids (note in the Required Action) proceed with items 11 through 22.

TWICE-A-MONTH

Date/Time: 4/15/04 1030

Weather Conditions: Partly cloudy

Inspector(s): [Signature]

Type of Inspection (Circle One) General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: Landslides, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance Inspection performed following a severe weather event will count as an inspection for the specified period.

**3.5 Articulating Concrete Blocks (AB) System
(continued)**

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|--|--------------|----------------|-----------------|----------------------------------|
| 11 | Southern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | S | | | |
| 12 | Southern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | S | | | |
| 13 | Southern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking >1/16" wide | S | | | |
| 14 | Southern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | S | | | |
| 15 | Southern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | S | | | |
| 16 | Southern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 17 | Northern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | S | | | |
| 18 | Northern Dead-man at Y-Channel Inlet (2) | Liner & gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | S | | | |
| 19 | Northern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking >1/16" wide | S | | | |
| 20 | Northern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | S | | | |
| 21 | Northern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | S | | | |
| 22 | Northern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |

Note: (1) The dead-man structures at the South and North Inlet of the Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North inlets. Remove any accumulated liquids (note in the Required Action) and proceed with inspection items 11 through 22.

Note: (2) Upon repair, re-install the Geomembrane Liner Flap pursuant to Section 3.5.3.1.

TWICE-A-MONTH

Date/Time: 4-15-04 13:00-15:00

Weather Conditions: Sunny 70°

Inspector(s): Stewart / Pollitt

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, O and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (56 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shower duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.4.1 Drainage Channels and 3.4.2 Diversion Berms

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|----------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Interior Y-Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Interior Y-Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 3 | Interior Y-Channel | Channel free of leaves or debris | S | | | |
| 4 | Interior Y-Channel | Free of soft spots or wet areas | S | | | |
| 5 | North Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 6 | North Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 7 | North Perimeter Drainage Channel | Channel free of leaves or debris | S | | | |
| 8 | North Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 9 | North Channel Emergency Spillway | Free of tears, penetrations, or thin spots in liner | S | | | |
| 10 | North Channel Emergency Spillway | Geotextile fabric free of damages, if exposed | S | | | |
| 11 | North Channel Emergency Spillway | Channel free of leaves or debris impeding flow | S | | | |
| 12 | North Channel Emergency Spillway | Free of soft spots or wet areas | S | | | |
| 13 | East Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 14 | East Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 15 | East Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | S | | | |
| 16 | East Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 17 | South Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 18 | South Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 19 | South Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | S | | | |
| 20 | South Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 21 | West Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 22 | West Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 23 | West Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | S | | | |
| 24 | West Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 25 | Interior Diversion Berms | Free of tears, penetrations, or thin spots in liner | S | | | |
| 26 | Interior Diversion Berms | Geotextile fabric free of damages, if exposed | S | | | |
| 27 | Interior Diversion Berms | Free of soft spots or wet areas | S | | | |

Note: (1) Indicate which interior diversion berm in the Required Action

TWICE-A-MONTH

Date/Time: 4/15/04 13:00 - 15:00

Weather Conditions: Sun 70°

Inspector(s): Seaman & Pollitt

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 DM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an Inspector for the specified period.

4.1.1 Principal Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|----------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Riser Pipe | Free of debris and obstructions | S | | | |
| 2 | H-Flume | Free of debris and obstructions | S | | | |
| 3 | H-Flume | Base is free of silt or sediment | S | | | |

4.2 Emergency Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Concrete Pad | Free of debris and obstructions | S | | | |

4.4.3 Y-Channel Outfall

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Outfall Structure | Concrete channel free of debris and obstructions | S | | | |
| 2 | Outfall Structure | Stilling basin free of debris and obstructions | S | | | |
| 3 | Outfall Structure | 1' dia. weep holes free of debris and obstructions | S | | | |
| 4 | Geomembrane Liner Flap at inlet of the Outfall Structure | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap at inlet of the Outfall Structure | Free of ballooning/liner/accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap at inlet of the Outfall Structure | Flap is battened to the concrete channel | S | | | |
| 7 | Batten at inlet of the Outfall Structure | Free of tears, penetrations, or thin spots | S | | | |

5.2 South Drain Inlet Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|------------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Upstream Headwall | Invert free of debris obstructions | S | | | |
| 2 | Downstream Headwall | Invert free of debris obstructions | S | | | |

4-27-04 - 2:15 - 3:15
 4-28-04 - 10:45 - 12:15

TWICE-A-MONTH

Date/Time: 4-29-04 - 8:30 - 9:30

Weather Conditions: SUN 60°

Inspector(s): POLLITT, STAMPER

Type of Inspection (Circle One): General Inspection or Following Severe Weather

- See Appendix A-2 "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- See Appendix A-1, O and M Requirements Matrix for recording/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
- Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 mi per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
- An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.2 Headwalls

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Complete Date/Initial |
|--------|---|--|--------------|----------------|-----------------|------------------------------|
| 1 | Headwall "A" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 2 | Headwall "A" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 3 | Headwall "A" in NW Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 4 | Headwall "A" Sump in NW Corner | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 5 | Headwall "A" Sump in NW Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 6 | Headwall "B" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 7 | Headwall "B" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 8 | Headwall "B" in NW Corner | Free of tears, penetrations, or thin spots. | S | | | |
| 9 | Headwall "B" in NW Corner Batten Bar | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 10 | Upstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 11 | Upstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | Removed Leaves | |
| 12 | Upstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 13 | Upstream Headwall Sump in NE Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 14 | Downstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 15 | Downstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 16 | Downstream Headwall NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |

4-27-04 - 2:15 - 3:10

4-28-04 - 10:45 - 12:15

TWICE-A-MONTH

Date/Time: 4-29-04 - 8:30 - 9:30

Weather Conditions: Sun 60's

Inspector(s): Pollitt - Stampar

Type of Inspection (Circle One): General Inspection or Following Severe Weather:

- 1. See Appendix A-2 "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- 2. See Appendix A-1, O and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
- 3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
- 4. An Operation and Maintenance inspection performed following a severe weather event, will count as an inspection for the specified period.

3.4.1 Drainage Channels and 3.4.2 Diversion Berms

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|----------------------------------|---|---|----------------|-----------------|----------------------------------|
| 1 | Interior Y-Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Interior Y-Channel | Geotextile fabric free of damages, if exposed | | | | |
| 3 | Interior Y-Channel | Channel free of leaves or debris | | | | |
| 4 | Interior Y-Channel | Free of soft spots or wet areas | | | | |
| 5 | North Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 6 | North Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 7 | North Perimeter Drainage Channel | Channel free of leaves or debris | | | | |
| 8 | North Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 9 | North Channel Emergency Spillway | Free of tears, penetrations, or thin spots in liner | | | | |
| 10 | North Channel Emergency Spillway | Geotextile fabric free of damages, if exposed | | | | |
| 11 | North Channel Emergency Spillway | Channel free of leaves or debris impeding flow | | | | |
| 12 | North Channel Emergency Spillway | Free of soft spots or wet areas | | | | |
| 13 | East Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 14 | East Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 16 | East Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | | | | |
| 16 | East Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 17 | South Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 18 | South Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 19 | South Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | | | | |
| 20 | South Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 21 | West Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 22 | West Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 23 | West Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | | | | |
| 24 | West Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 25 | Interior Diversion Berms | Free of tears, penetrations, or thin spots in liner | | | | |
| 26 | Interior Diversion Berms | Geotextile fabric free of damages, if exposed | | | | |
| 27 | Interior Diversion Berms | Free of soft spots or wet areas | | | | |

Note: (1) Indicate which interior diversion berm in the Required Action

4-27-04 2:15-3:15
 4-28-04 10:45-12:15

TWICE-A-MONTH

Date/Time: 4-29-04 8:30 - 9:30

Weather Conditions: SUN 60^S

Inspector(s): POHITT - STAMPER

Type of Inspection (Circle One) General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, O and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and .25 inches or greater rainfall in a 24-hour period or a 1-hr. intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.5 Articulating Concrete Blocks (AB) System

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|----------------------------------|
| 1 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 3 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 4 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 7 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of tears, penetrations, or thin spots in liner | S | | | |
| 8 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of ballooning liner/accumulated liquid | S | | | |
| 9 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Flap is tied-in into AB mat blocks | S | | | |
| 10 | Upstream SE Perimeter Channel Dead-Man | Liner free of tears, penetrations, or thin spots | S | | | |

NOTE: (1) The deadman structures at the South and North inlet of the interior Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North Inlets. Remove any accumulated liquids (note in the Required Action) proceed with items 11 through 22.

4-27-04 2:15 - 3:15

4-28-04 10:45 - 12:15

Date/Time: 4-29-04 8:30 - 9:30

TWICE-A-MONTH

Weather Conditions: SUN 60's

Inspector(s): FOLLEY - STAMPER

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 O&M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: sleet/storms, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 0.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.5 Articulating Concrete Blocks (AB) System (continued)

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|--|--------------|----------------|-----------------|-------------------------------|
| 11 | Southern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | S | | | |
| 12 | Southern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | S | | | |
| 13 | Southern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking >1/16" wide | S | | | |
| 14 | Southern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | S | | | |
| 15 | Southern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | S | | | |
| 16 | Southern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 17 | Northern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | S | | | |
| 18 | Northern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | S | | | |
| 19 | Northern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking >1/16" wide | S | | | |
| 20 | Northern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | S | | | |
| 21 | Northern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | S | | | |
| 22 | Northern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |

Note: (1) The dead-man structures at the South and North inlet of the Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North inlets. Remove any accumulated liquids (note in the Required Action) and proceed with inspection items 11 through 22.

Note: (2) Upon repair, reinstall the Geomembrane Liner Flap pursuant to Section 3.5.3.1.

4-27-04 2:15-3:15
 4-28-04 10:45-12:15
 Date/Time: 4-29-04 8:30-9:30
 Inspector(s): Powell - Stampel

TWICE-A-MONTH

Weather Conditions: SUN 60°

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix" for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 O&M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Rapid Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified criteria.

4.1.1 Principal Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|----------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Riser Pipe | Free of debris and obstructions | S | | | |
| 2 | H-Flume | Free of debris and obstructions | S | | | |
| 3 | H-Flume | Base is free of silt or sediment | S | | | |

4.2 Emergency Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Concrete Pad | Free of debris and obstructions | S | | | |

4.4.3 Y-Channel Outfall

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Outfall Structure | Concrete channel free of debris and obstructions | S | | | |
| 2 | Outfall Structure | Stilling basin free of debris and obstructions | S | | | |
| 3 | Outfall Structure | 1' dia. weep holes free of debris and obstructions | S | | | |
| 4 | Geomembrane Liner Flap at Inlet of the Outfall Structure | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap at Inlet of the Outfall Structure | Free of ballooning liner/accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap at inlet of the Outfall Structure | Flap is battened to the concrete channel | S | | | |
| 7 | Batten at inlet of the Outfall Structure | Free of tears, penetrations, or thin spots | S | | | |

5.2 South Drain Inlet Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|------------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Upstream Headwall | Invert free of debris obstructions | S | | | |
| 2 | Downstream Headwall | Invert free of debris obstructions | S | | | |

5/12/04 9:00 - 11:00

TWICE-A-MONTH

Date/Time: 5/13/04 8:30 - 11:00

Weather Conditions: Sun - 75°

Inspector(s): Pouyer

Type of Inspection (Circle One): General Inspector or Following Severe Weather

- See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- See Appendix A-1, O and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
- Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
- An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.2 Headwalls

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | Unsatisfactory | | Required Action | Action Complete Date/Initial |
|--------|---|--|--------------|--|----------------|--|-----------------|------------------------------|
| | | | S | | | | | |
| 1 | Headwall "A" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | | | |
| 2 | Headwall "A" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | | | |
| 3 | Headwall "A" in NW Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | | | |
| 4 | Headwall "A" Sump in NW Corner | Secure attachment of sump lid cap at liquid collection sump. | S | | | | | |
| 5 | Headwall "A" Sump in NW Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | | | |
| 6 | Headwall "B" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | | | |
| 7 | Headwall "B" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | | | |
| 8 | Headwall "B" in NW Corner | Free of tears, penetrations, or thin spots. | S | | | | | |
| 9 | Headwall "B" in NW Corner Batten Bar | Secure attachment of sump lid cap at liquid collection sump. | S | | | | | |
| 10 | Upstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | | | |
| 11 | Upstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | | | |
| 12 | Upstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | | | |
| 13 | Upstream Headwall Sump in NE Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | | | |
| 14 | Downstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | | | |
| 15 | Downstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | | | |
| 16 | Downstream Headwall NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | | | |

TWICE-A-MONTH

Date/Time: 5/12/04 9:00-11:00 → 5/13/04 8:30-11:00

Weather Conditions: SW 75°

Inspector(s): Polina

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, O and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/16 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 4 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.4.1 Drainage Channels and 3.4.2 Diversion Berms

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|----------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Interior Y-Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Interior Y-Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 3 | Interior Y-Channel | Channel free of leaves or debris | S | | | |
| 4 | Interior Y-Channel | Free of soft spots or wet areas | S | | | |
| 5 | North Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 6 | North Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 7 | North Perimeter Drainage Channel | Channel free of leaves or debris | S | | | |
| 8 | North Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 9 | North Channel Emergency Spillway | Free of tears, penetrations, or thin spots in liner | S | | | |
| 10 | North Channel Emergency Spillway | Geotextile fabric free of damages, if exposed | S | | | |
| 11 | North Channel Emergency Spillway | Channel free of leaves or debris impeding flow | S | | | |
| 12 | North Channel Emergency Spillway | Free of soft spots or wet areas | S | | | |
| 13 | East Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 14 | East Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 16 | East Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | S | | | |
| 16 | East Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 17 | South Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 18 | South Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 19 | South Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | S | | | |
| 20 | South Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 21 | West Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 22 | West Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 23 | West Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | S | | | |
| 24 | West Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 25 | Interior Diversion Berms | Free of tears, penetrations, or thin spots in liner | S | | | |
| 26 | Interior Diversion Berms | Geotextile fabric free of damages, if exposed | S | | | |
| 27 | Interior Diversion Berms | Free of soft spots or wet areas | S | | | |

Note: (1) Indicate which interior diversion berm in the Required Action

5/12/04 9:00-11:00

TWICE-A-MONTH

Date/Time: 5/13/04 8:300-11:00

Weather Conditions: SUN 75°

Inspector(s): PCURT

Type of Inspection: (Circle One) General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, O and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Reset Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.0 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspect or performed following a severe weather event will count as an inspection for the specified period.

3.5 Articulating Concrete Blocks (AB) System

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 3 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 4 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 7 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of tears, penetrations, or thin spots in liner | S | | | |
| 8 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of ballooning liner/accumulated liquid | S | | | |
| 9 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Flap is tied-in into AB mat blocks | S | | | |
| 10 | Upstream SE Perimeter Channel Dead-Man | Liner free of tears, penetrations, or thin spots | S | | | |

NOTE: (1) The deadman structures at the South and North inlet of the interior Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North inlets. Remove any accumulated liquids (note in the Required Action) proceed with items 11 through 22.

5/12/04 9:00-11:00

TWICE-A-MONTH

Date/Time: 5/12/04 8:30-11:00

Weather Conditions: Bun 75°

Inspector(s): Palmer

Type of Inspection: Circ's One General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspector Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-a-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.0 inches or greater rainfall in a 24-hour period or a high intensity short duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

**3.5 Articulating Concrete Blocks (AB) System
(continued)**

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|--|--------------|----------------|-----------------|----------------------------------|
| 11 | Southern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | S | | | |
| 12 | Southern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | S | | | |
| 13 | Southern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking > 1/16" wide | S | | | |
| 14 | Southern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | S | | | |
| 15 | Southern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | S | | | |
| 16 | Southern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 17 | Northern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | S | | | |
| 18 | Northern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | S | | | |
| 19 | Northern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking > 1/16" wide | S | | | |
| 20 | Northern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | S | | | |
| 21 | Northern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | S | | | |
| 22 | Northern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |

Note: (1) The dead-man structures at the South and North inlet of the Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North Inlets. Remove any accumulated liquids (note in the Required Action) and proceed with inspection items 11 through 22.

Note: (2) Upon repair, reinstall the Geomembrane Liner Flap pursuant to Section 3.5.3.1.

5/12/04 9:00 - 11:00

TWICE-A-MONTH

Date/Time: 5/12/04 8:30 - 11:00

Weather Conditions: SUN 75°

Inspector(s): Fellin

Type of Inspection: (Circle One) General Inspection or Following Severe Weather

- See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
- Severe weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shower/drain storm event with an intensity of 1 inch per hour.
- An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

4.1.1 Principal Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|----------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Riser Pipe | Free of debris and obstructions | S | | | |
| 2 | H-Flume | Free of debris and obstructions | S | | | |
| 3 | H-Flume | Base is free of silt or sediment | S | | | |

4.2 Emergency Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Concrete Pad | Free of debris and obstructions | S | | | |

4.4.3 Y-Channel Outfall

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Outfall Structure | Concrete channel free of debris and obstructions | S | | | |
| 2 | Outfall Structure | Stilling basin free of debris and obstructions | S | | | |
| 3 | Outfall Structure | 1' dia. weep holes free of debris and obstructions | S | | | |
| 4 | Geomembrane Liner Flap at Inlet of the Outfall Structure | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap at inlet of the Outfall Structure | Free of ballooning liner/accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap at inlet of the Outfall Structure | Flap is ballasted to the concrete channel | S | | | |
| 7 | Ballast at inlet of the Outfall Structure | Free of tears, penetrations, or thin spots | S | | | |

5.2 South Drain Inlet Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|------------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Upstream Headwall | Invert free of debris obstructions | S | | | |
| 2 | Downstream Headwall | Invert free of debris obstructions | S | | | |

Date/Time: 5/26/04 8:00 11:00 5/28/04 1:00 3:00
 Inspector(s): Politt

TWICE-A-MONTH

Weather Conditions: Cloudy 70 Cloudy 75
 Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, O and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 m.p.s. per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.2 Headwalls

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Complete Date/Initial |
|--------|---|--|--------------|----------------|-----------------|------------------------------|
| 1 | Headwall "A" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 2 | Headwall "A" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 3 | Headwall "A" in NW Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 4 | Headwall "A" Sump in NW Corner | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 5 | Headwall "A" Sump in NW Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 6 | Headwall "B" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 7 | Headwall "B" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 8 | Headwall "B" in NW Corner | Free of tears, penetrations, or thin spots. | S | | | |
| 9 | Headwall "B" in NW Corner Batten Bar | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 10 | Upstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 11 | Upstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 12 | Upstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 13 | Upstream Headwall Sump in NE Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 14 | Downstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 15 | Downstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 16 | Downstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |

Date/Time: 5/26/04 8:30 / 5/28/04 1:00
11:00 / 3:00
 Inspector(s): TOLLITT

TWICE-A-MONTH

Weather Conditions: Cloudy 70 / Cloudy 75

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, O and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 60 knots (58 miles per hour) or greater, approximately 3/4" diameter hail or larger, frequent lightning, and 2.0 inches or greater rainfall in a 24-hour period or a high intensity storm duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.4.1 Drainage Channels and 3.4.2 Diversion Berms

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|----------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Interior Y-Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Interior Y-Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 3 | Interior Y-Channel | Channel free of leaves or debris | S | | | |
| 4 | Interior Y-Channel | Free of soft spots or wet areas | S | | | |
| 5 | North Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 6 | North Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 7 | North Perimeter Drainage Channel | Channel free of leaves or debris | S | | | |
| 8 | North Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 9 | North Channel Emergency Spillway | Free of tears, penetrations, or thin spots in liner | S | | | |
| 10 | North Channel Emergency Spillway | Geotextile fabric free of damages, if exposed | S | | | |
| 11 | North Channel Emergency Spillway | Channel free of leaves or debris impeding flow | S | | | |
| 12 | North Channel Emergency Spillway | Free of soft spots or wet areas | S | | | |
| 13 | East Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 14 | East Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 16 | East Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | S | | | |
| 16 | East Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 17 | South Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 18 | South Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 19 | South Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | S | | | |
| 20 | South Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 21 | West Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 22 | West Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 23 | West Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | S | | | |
| 24 | West Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 25 | Interior Diversion Berms | Free of tears, penetrations, or thin spots in liner | S | | | |
| 26 | Interior Diversion Berms | Geotextile fabric free of damages, if exposed | S | | | |
| 27 | Interior Diversion Berms | Free of soft spots or wet areas | S | | | |

Note: (1) Indicate which interior diversion berm in the Required Action

Date/Time: 5/26/04 8:30 11:00 5/28/04 1:00 3:00
 Inspector(s): DP

TWICE-A-MONTH

Weather Conditions: Cloudy 70° Cloudy 75°
 Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, D and MR Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (60 miles per hour) or greater, approximately 3/4" diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified price.

3.5 Articulating Concrete Blocks (AB) System

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 3 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 4 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 7 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of tears, penetrations, or thin spots in liner | S | | | |
| 8 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of ballooning liner/accumulated liquid | S | | | |
| 9 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Flap is tied-in into AB mat blocks | S | | | |
| 10 | Upstream SE Perimeter Channel Dead-Man | Liner free of tears, penetrations, or thin spots | S | | | |

NOTE: (1) The deadman structures at the South and North Inlet of the Interior Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North Inlets. Remove any accumulated liquids (note in the Required Action) proceed with items 11 through 22.

Date/Time: 5/26/4 8:30 / 5-27-4 11:00 / 5-28-4 1:00 / 5-29-4 3:00 TWICE-A-MONTH
 Weather Conditions: Cloudy 70 / Cloudy 75
 Inspector(s): D. P. [Signature] Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 DM Requirements Matrix for repairing/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operator and Maintenance Inspection performed following a severe weather event will count as an inspection for the specified point.

3.5 Articulating Concrete Blocks (AB) System (continued)

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|--|--------------|----------------|-----------------|-------------------------------|
| 11 | Southern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | S | | | |
| 12 | Southern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | S | | | |
| 13 | Southern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking >1/16" wide | S | | | |
| 14 | Southern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | S | | | |
| 15 | Southern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | S | | | |
| 16 | Southern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 17 | Northern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | S | | | |
| 18 | Northern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | S | | | |
| 19 | Northern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking >1/16" wide | S | | | |
| 20 | Northern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | S | | | |
| 21 | Northern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | S | | | |
| 22 | Northern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |

Note: (1) The dead man structures at the South and North inlet of the Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North inlets. Remove any accumulated liquids (note in the Required Action) and proceed with inspection items 11 through 22.

Note: (2) Upon repair, re-install the Geomembrane Liner Flap pursuant to Section 3.5.3.1.

TWICE-A-MONTH

Date/Time: 5/20/14 8:30 / 5-28-14 1:00
 Inspector(s): Politt

Weather Conditions: Cloudy 70° Cloudy 75°

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, DM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

4.1.1 Principal Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|-----------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Riser Pipe | Free of debris and obstructions | S | | | |
| 2 | H-Flume | Free of debris and obstructions | S | | | |
| 3 | H-Flume | Basin is free of silt or sediment | S | | | |

4.2 Emergency Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Concrete Pad | Free of debris and obstructions | S | | | |

4.4.3 Y-Channel Outfall

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Outfall Structure | Concrete channel free of debris and obstructions | S | | | |
| 2 | Outfall Structure | Stilling basin free of debris and obstructions | S | | | |
| 3 | Outfall Structure | 1' dia. weep holes free of debris and obstructions | S | | | |
| 4 | Geomembrane Liner Flap at Inlet of the Outfall Structure | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap at Inlet of the Outfall Structure | Free of ballooning liner/accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap at inlet of the Outfall Structure | Flap is bolted to the concrete channel | S | | | |
| 7 | Batten at inlet of the Outfall Structure | Free of tears, penetrations, or thin spots | S | | | |

5.2 South Drain Inlet Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|------------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Upstream Headwall | Invert free of debris obstructions | S | | | |
| 2 | Downstream Headwall | Invert free of debris obstructions | S | | | |

INCIDENT REPORT

Date: June 14, 2004

Location: South Channel – north side of curve in channel; leading into the East Detention Pond.

What: Movement of AB Mats

When: Weekend of June 12, 2004
First noticed on Monday, July 14, 2004 during morning fence inspection.

Description: Approximately 9 AB Mats had slide toward the center of the channel causing blocks to push up in the center of the channel.

Repairs: AB Mats were lifted and pulled back into place. All lifting and pulling was done using a backhoe from the perimeter side of the site. No equipment taken on liner. Repairs made on June 16, 2004.

No damage to geo-membrane liner was seen.

Rain Events: No other significant amount of rain occurred during the month of June.

| | | |
|-----------------------------------|------------------------------------|------------------------------------|
| 6/11/04 (Fri) 14:00- 15:00 - 1.53 | 6/12/04 (Sat) 14:00 - 15:00 - 1.50 | 6/14/04 (Sun) 00:00 - 01:00 - 0.01 |
| 15:00 - 16:00 - 0.07 | 15:00 - 16:00 - 0.11 | 02:00 - 10:00 - 0.01 |
| 16:00 - 17:00 - 0.22 | 17:00 - 18:00 - 0.12 | 18:00 - 19:00 - 0.02 |
| 17:00 - 18:00 - 0.01 | 18:00 - 19:00 - 0.04 | 19:00 - 20:00 - 0.04 |

Photos: 2004/June Numbers 40 through 43.

Prepared By: Omar Heath

Date/Time: 6/15/04 1315
 Inspector(s): Tom Stewart

TWICE-A-MONTH

Weather Conditions: Cloudy 75°

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, D and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (55 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.0 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.2 Headwalls

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Complete Date/Initial |
|--------|---|--|--------------|----------------|-----------------|---------------------------------|
| 1 | Headwall "A" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 2 | Headwall "A" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 3 | Headwall "A" in NW Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 4 | Headwall "A" Sump in NW Corner | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 5 | Headwall "A" Sump in NW Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 6 | Headwall "B" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 7 | Headwall "B" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 8 | Headwall "B" in NW Corner | Free of tears, penetrations, or thin spots. | S | | | |
| 9 | Headwall "B" in NW Corner Batten Bar | Secure attachment of sump lid cap at liquid collector sump. | S | | | |
| 10 | Upstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 11 | Upstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 12 | Upstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 13 | Upstream Headwall Sump in NE Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 14 | Downstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 15 | Downstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 16 | Downstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |

TWICE-A-MONTH

Date/Time: 6/15/04 1340

Weather Conditions: Cloudy 75°

Inspector(s): Tom Stewart

Type of Inspection (Circle One): General Inspection or Following Severe Weather

TS

- See Appendix A-2, "Inspector Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- See Appendix A-1, O and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
- Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
- An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.4.1 Drainage Channels and 3.4.2 Diversion Berms

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory / Unsatisfactory | | Required Action | Action Completed Date/Initial |
|--------|----------------------------------|---|-------------------------------|---|-----------------|-------------------------------|
| | | | S | U | | |
| 1 | Interior Y-Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Interior Y-Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 3 | Interior Y-Channel | Channel free of leaves or debris | S | | | |
| 4 | Interior Y-Channel | Free of soft spots or wet areas | S | | | |
| 5 | North Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 6 | North Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 7 | North Perimeter Drainage Channel | Channel free of leaves or debris | S | | | |
| 8 | North Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 9 | North Channel Emergency Spillway | Free of tears, penetrations, or thin spots in liner | S | | | |
| 10 | North Channel Emergency Spillway | Geotextile fabric free of damages, if exposed | S | | | |
| 11 | North Channel Emergency Spillway | Channel free of leaves or debris impeding flow | S | | | |
| 12 | North Channel Emergency Spillway | Free of soft spots or wet areas | S | | | |
| 13 | East Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 14 | East Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 15 | East Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | S | | | |
| 16 | East Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 17 | South Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 18 | South Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 19 | South Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | S | | | |
| 20 | South Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 21 | West Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 22 | West Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 23 | West Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | S | | | |
| 24 | West Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 25 | Interior Diversion Berms | Free of tears, penetrations, or thin spots in liner | S | | | |
| 26 | Interior Diversion Berms | Geotextile fabric free of damages, if exposed | S | | | |
| 27 | Interior Diversion Berms | Free of soft spots or wet areas | S | | | |

Note: (1) Indicate which interior diversion berm in the Required Action:

TWICE-A-MONTH

Date/Time: 6/15/04 1340
 Inspector(s): Tom Stewart

Weather Conditions: Cloudy 75°
 Type of Inspection (Circle One): General Inspection or Following Severe Weather
 TS

1. See Appendix A-2, "Inspection Frequency Matrix" for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, O and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: altzards, ice storms, torn adoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified cor.od.

3.5 Articulating Concrete Blocks (AB) System

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|----------------------------------|
| 1 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 3 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 4 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 7 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of tears, penetrations, or thin spots in liner | S | | | |
| 8 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of ballooning liner/accumulated liquid | S | | | |
| 9 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Flap is tied-in into AB mat blocks | S | | | |
| 10 | Upstream SE Perimeter Channel Dead-Man | Liner free of tears, penetrations, or thin spots | S | | | |

NOTE: (1) The deadman structures at the South and North inlet of the interlar Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North Inlets. Remove any accumulated liquids (note in the Required Action) proceed with items 11 through 22.

Date/Time: 6/15/04

1340

TWICE-A-MONTH

Weather Conditions: Cloudy 75°

Inspector(s): Tom Stewart

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 O&M Requirements Matrix for reporting/documentation requirements and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

**3.5 Articulating Concrete Blocks (AB) System
(continued)**

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|--|--------------|----------------|-----------------|-------------------------------|
| 11 | Southern Dead-man at Y-Channel Inlet (2) | IRP Cap Liner is free of tears, penetrations, or thin spots | S | | | |
| 12 | Southern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | S | | | |
| 13 | Southern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking > 1/16" wide | S | | | |
| 14 | Southern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | S | | | |
| 15 | Southern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | S | | | |
| 16 | Southern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 17 | Northern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | S | | | |
| 18 | Northern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | S | | | |
| 19 | Northern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking > 1/16" wide | S | | | |
| 20 | Northern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | S | | | |
| 21 | Northern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | S | | | |
| 22 | Northern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |

Note: (1) The dead man structures at the South and North Inlet of the Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North inlets. Remove any accumulated liquids (note in the Required Action) and proceed with inspection items 11 through 22.

Note: (2) Upon repair, reinstall the Geomembrane Liner Flap pursuant to Section 3.5.3.1.

Date/Time: 6/15/04 1320 Weather Conditions: cloudy 75°
 Inspector(s): Tom Stewart Type of Inspection (Circle One): General Inspection or Following Severe Weather

- See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- See Appendix A-1 CM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
- Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
- An Operation and Maintenance Inspection performed following a severe weather event will count as an inspection for the specified period.

4.1.1 Principal Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|-----------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Riser Pipe | Free of debris and obstructions | S | | | |
| 2 | H-Flume | Free of debris and obstructions | S | | | |
| 3 | H-Flume | Flume is free of silt or sediment | S | | | |

4.2 Emergency Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Concrete Pad | Free of debris and obstructions | S | | | |

4.4.3 Y-Channel Outfall

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Outfall Structure | Concrete channel free of debris and obstructions | S | | | |
| 2 | Outfall Structure | Stilling basin free of debris and obstructions | S | | | |
| 3 | Outfall Structure | 1' dia. weep holes free of debris and obstructions | S | | | |
| 4 | Geomembrane Liner Flap at Inlet of the Outfall Structure | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap at Inlet of the Outfall Structure | Free of ballooning liner/accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap at Inlet of the Outfall Structure | Flap is battened to the concrete channel | S | | | |
| 7 | Batten at Inlet of the Outfall Structure | Free of tears, penetrations, or thin spots | S | | | |

5.2 South Drain Inlet Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|------------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Upstream Headwall | Invert free of debris obstructions | S | | | |
| 2 | Downstream Headwall | Invert free of debris obstructions | S | | | |

TWICE-A-MONTH

Date/Time: June 28, 2004 11:00

Weather Conditions: Sun 75°

Inspector(s): Patent

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, D and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.5 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operator and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.2 Headwalls

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Complete Date/Initial |
|--------|---|--|--------------|----------------|-----------------|---------------------------------|
| 1 | Headwall "A" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 2 | Headwall "A" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 3 | Headwall "A" in NW Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 4 | Headwall "A" Sump in NW Corner | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 5 | Headwall "A" Sump in NW Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 6 | Headwall "B" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 7 | Headwall "B" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 8 | Headwall "B" in NW Corner | Free of tears, penetrations, or thin spots. | S | | | |
| 9 | Headwall "B" in NW Corner Batten Bar | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 10 | Upstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 11 | Upstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 12 | Upstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 13 | Upstream Headwall Sump in NE Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 14 | Downstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 15 | Downstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 16 | Downstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |

TWICE-A-MONTH

Date/Time: 6/28/04 11:00

Weather Conditions: Sun 75°

Inspector(s): T. H. H.

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, O and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 30 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.4.1 Drainage Channels and 3.4.2 Diversion Berms

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|----------------------------------|---|--------------|----------------|-----------------|----------------------------------|
| 1 | Interior Y-Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Interior Y-Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 3 | Interior Y-Channel | Channel free of leaves or debris | S | | | |
| 4 | Interior Y-Channel | Free of soft spots or wet areas | S | | | |
| 5 | North Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 6 | North Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 7 | North Perimeter Drainage Channel | Channel free of leaves or debris | S | | | |
| 8 | North Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 9 | North Channel Emergency Spillway | Free of tears, penetrations, or thin spots in liner | S | | | |
| 10 | North Channel Emergency Spillway | Geotextile fabric free of damages, if exposed | S | | | |
| 11 | North Channel Emergency Spillway | Channel free of leaves or debris impeding flow | S | | | |
| 12 | North Channel Emergency Spillway | Free of soft spots or wet areas | S | | | |
| 13 | East Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 14 | East Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 15 | East Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | S | | | |
| 16 | East Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 17 | South Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 18 | South Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 19 | South Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | S | | | |
| 20 | South Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 21 | West Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 22 | West Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 23 | West Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | S | | | |
| 24 | West Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 25 | Interior Diversion Berms | Free of tears, penetrations, or thin spots in liner | S | | | |
| 26 | Interior Diversion Berms | Geotextile fabric free of damages, if exposed | S | | | |
| 27 | Interior Diversion Berms | Free of soft spots or wet areas | S | | | |

Note: (1) Indicate which interior diversion berm in the Required Action

TWICE-A-MONTH

Date/Time: 6-28-04 16:00

Weather Conditions: Sud 76°

Inspector(s): TRIM

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, O and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 60 knots (68 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operator and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.5 Articulating Concrete Blocks (AB) System

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|----------------------------------|
| 1 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 3 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 4 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 7 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of tears, penetrations, or thin spots in liner | S | | | |
| 8 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of ballooning liner/accumulated liquid | S | | | |
| 9 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Flap is tied-in into AB mat blocks | S | | | |
| 10 | Upstream SE Perimeter Channel Dead-Man | Liner free of tears, penetrations, or thin spots | S | | | |

NOTE: (1) The deadman structures at the South and North Inlet of the interior Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North inlets. Remove any accumulated liquids (note in the Required Action) proceed with items 11 through 22.

TWICE-A-MONTH

Date/Time: 6-28-4 11:00

Weather Conditions: Sun 75°

Inspector(s): [Signature]

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 CM Requirements Matrix for recording/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24 hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance impact or performance following a severe weather event will count as an inspection for the specified period.

3.5 Articulating Concrete Blocks (AB) System (continued)

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|--|--------------|----------------|-----------------|----------------------------------|
| 11 | Southern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | S | | | |
| 12 | Southern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | S | | | |
| 13 | Southern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking >1/16" wide | S | | | |
| 14 | Southern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | S | | | |
| 15 | Southern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | S | | | |
| 16 | Southern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 17 | Northern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | S | | | |
| 18 | Northern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | S | | | |
| 19 | Northern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking >1/16" wide | S | | | |
| 20 | Northern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | S | | | |
| 21 | Northern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | S | | | |
| 22 | Northern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |

Note: (1) The dead-man structures at the South and North inlet of the Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North Inlets. Remove any accumulated liquids (note in the Required Action) and proceed with inspection items 11 through 22.

Note: (2) Upon repair, reinstall the Geomembrane Liner Flap pursuant to Section 3.5.3.1.

TWICE-A-MONTH

Date/Time: 6-28-04

Weather Conditions: Some 75°

Inspector(s): T. D. Hill

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 CM Reg. "Permits Matrix" for reporting/documentation requirements and maintenance activities and Appendix A-5, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 7.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

4.1.1 Principal Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|----------------------------------|--------------|----------------|-----------------|----------------------------------|
| 1 | Riser Pipe | Free of debris and obstructions | S | | | |
| 2 | H-Flume | Free of debris and obstructions | S | | | |
| 3 | H-Flume | Base is free of silt or sediment | S | | | |

4.2 Emergency Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---------------------------------|--------------|----------------|-----------------|----------------------------------|
| 1 | Concrete Pad | Free of debris and obstructions | S | | | |

4.4.3 Y-Channel Outfall

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|----------------------------------|
| 1 | Outfall Structure | Concrete channel free of debris and obstructions | S | | | |
| 2 | Outfall Structure | Stilling basin free of debris and obstructions | S | | | |
| 3 | Outfall Structure | 1' dia. weep holes free of debris and obstructions | S | | | |
| 4 | Geomembrane Liner Flap at inlet of the Outfall Structure | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap at inlet of the Outfall Structure | Free of ballooning liner/accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap at inlet of the Outfall Structure | Flap is fastened to the concrete channel | S | | | |
| 7 | Batten at Inlet of the Outfall Structure | Free of tears, penetrations, or thin spots | S | | | |

5.2 South Drain Inlet Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|------------------------------------|--------------|----------------|-----------------|----------------------------------|
| 1 | Upstream Headwall | Invert free of debris obstructions | S | | | |
| 2 | Downstream Headwall | Invert free of debris obstructions | S | | | |

TWICE-A-MONTH

Date/Time: 7/12/14 9:00AM/2:00 PM

Weather Conditions: P. Cloudy 80°

Inspector(s): Polk

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, O and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a significantly shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance Inspection performed following a severe weather event will count as an inspection for the specified period.

3.2 Headwalls

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory ¹ | Required Action | Action Complete Date/Initial |
|--------|---|--|--------------|-----------------------------|---------------------------|------------------------------|
| 1 | Headwall "A" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 2 | Headwall "A" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | | * U | Pumped Water | 7/20/14 |
| 3 | Headwall "A" in NW Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 4 | Headwall "A" Sump in NW Corner | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 5 | Headwall "A" Sump in NW Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 6 | Headwall "B" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | | S | Cleaned leaves from Inlet | 7/12/14 RP |
| 7 | Headwall "B" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 8 | Headwall "B" in NW Corner | Free of tears, penetrations, or thin spots. | S | | | |
| 9 | Headwall "B" in NW Corner Batten Bar | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 10 | Upstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 11 | Upstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 12 | Upstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 13 | Upstream Headwall Sump in NE Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 14 | Downstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 15 | Downstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 16 | Downstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |

* Estimated 300 gallons removed. Area was checked for defects. None found. RP

TWICE-A-MONTH

Date/Time: 7/12/14 9:00 - 2:00

Weather Conditions: P. Cloudy 80°

Inspector(s): Pollert

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, O and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, ice/snow, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4" diameter hail or larger, frequent lightning and 2.8 inches or greater rainfall in a 24-hour period or a high intensity storm duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance Inspection performed following a severe weather event will count as an inspection for the specified period.

3.4.1 Drainage Channels and 3.4.2 Diversion Berms

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|----------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Interior Y-Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Interior Y-Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 3 | Interior Y-Channel | Channel free of leaves or debris | S | | | |
| 4 | Interior Y-Channel | Free of soft spots or wet areas | S | | | |
| 5 | North Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 6 | North Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 7 | North Perimeter Drainage Channel | Channel free of leaves or debris | S | | | |
| 8 | North Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 9 | North Channel Emergency Spillway | Free of tears, penetrations, or thin spots in liner | S | | | |
| 10 | North Channel Emergency Spillway | Geotextile fabric free of damages, if exposed | S | | | |
| 11 | North Channel Emergency Spillway | Channel free of leaves or debris impeding flow | S | | | |
| 12 | North Channel Emergency Spillway | Free of soft spots or wet areas | S | | | |
| 13 | East Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 14 | East Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 15 | East Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | S | | | |
| 16 | East Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 17 | South Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 18 | South Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 19 | South Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | S | | | |
| 20 | South Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 21 | West Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 22 | West Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 23 | West Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | S | | | |
| 24 | West Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 25 | Interior Diversion Berms | Free of tears, penetrations, or thin spots in liner | S | | | |
| 26 | Interior Diversion Berms | Geotextile fabric free of damages, if exposed | S | | | |
| 27 | Interior Diversion Berms | Free of soft spots or wet areas | S | | | |

Note: (1) Indicate which interior diversion berm in the Required Action

TWICE-A-MONTH

Date/Time: 7/2/14 9:00 - 2:00

Weather Conditions: P. Cloudy

Inspector(s): POHLLT

Type of Inspection (Circle One): General Inspection

or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual); and following severe weather.
2. See Appendix A-1, D and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3 "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, ice rains, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.5 Articulating Concrete Blocks (AB) System

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 3 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 4 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 7 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of tears, penetrations, or thin spots in liner | S | | | |
| 8 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of ballooning liner/accumulated liquid | S | | | |
| 9 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Flap is tied-in into AB mat blocks | S | | | |
| 10 | Upstream SE Perimeter Channel Dead-Man | Liner free of tears, penetrations, or thin spots | S | | | |

NOTE: (1) The deadman structures at the South and North inlet of the interior Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North inlets. Remove any accumulated liquids (note in the Required Action) proceed with items 11 through 22.

TWICE-A-MONTH

Date/Time: 7/12/14 9:00/2:00

Weather Conditions: P. Cloudy

Inspector(s): POLLITT

Type of Inspection (Circle One): General Inspection or **Following Severe Weather**

1. See Appendix A-2, 'Inspection Frequency Matrix', for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual), and following severe weather.
2. See Appendix A-2, 'OM Requirements Matrix' for reporting documents on requirements and maintenance activities and Appendix A-3, 'Repair Response Matrix', for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high-intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

**3.5 Articulating Concrete Blocks (AB) System
(continued)**

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|--|--------------|----------------|-----------------|-------------------------------|
| 11 | Southern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | S | | | |
| 12 | Southern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batter bar (no seepage points) | S | | | |
| 13 | Southern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking >1/16" wide | S | | | |
| 14 | Southern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | S | | | |
| 15 | Southern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | S | | | |
| 16 | Southern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 17 | Northern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | S | | | |
| 18 | Northern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batter bar (no seepage points) | S | | | |
| 19 | Northern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking >1/16" wide | S | | | |
| 20 | Northern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | S | | | |
| 21 | Northern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | S | | | |
| 22 | Northern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |

Note: (1) The Dead-man structures at the South and North inlet of the Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North inlets. Remove any accumulated liquids (note in the Required Action) and proceed with Inspection Items 11 through 22.

Note: (2) Upon repair, reinstall the Geomembrane Liner Flap pursuant to Section 3.5.3.1.

TWICE-A-MONTH

Date/Time: 7-12-24 9:00 - 2:00

Weather Conditions: P. Cloudy

Inspector(s): PAINT

Type of Inspection (Circle One): General Inspection **Following Severe Weather**

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 O&M Requirements Matrix for recording/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.5 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance Inspection performed following a severe weather event will count as an inspection for the specified period.

4.1.1 Principal Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|----------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Riser Pipe | Free of debris and obstructions | S | | | |
| 2 | H-Flume | Free of debris and obstructions | S | | | |
| 3 | H-Flume | Base is free of silt or sediment | S | | | |

4.2 Emergency Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Concrete Pad | Free of debris and obstructions | S | | | |

4.4.3 Y-Channel Outfall

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Outfall Structure | Concrete channel free of debris and obstructions | S | | | |
| 2 | Outfall Structure | Siltling basin free of debris and obstructions | S | | | |
| 3 | Outfall Structure | 1" dia. weep holes free of debris and obstructions | | S | Cleaned | 7/12/24 BAP |
| 4 | Geomembrane Liner Flap at inlet of the Outfall Structure | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap at inlet of the Outfall Structure | Free of ballooning liner/accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap at inlet of the Outfall Structure | Flap is battered to the concrete channel | S | | | |
| 7 | Batten at Inlet of the Outfall Structure | Free of tears, penetrations, or thin spots | S | | | |

5.2 South Drain Inlet Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|------------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Upstream Headwall | Invert free of debris obstructions | S | | | |
| 2 | Downstream Headwall | Invert free of debris obstructions | S | | | |

TWICE-A-MONTH

Date/Time: July 28, 2004 9:00 - 2:00 Weather Conditions: Sun 74°
 Inspector(s): Pauitt Type of inspection (Circle One): General Inspection or Following Severe Weather

- 1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- 2. See Appendix A-1 D and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3 "Repair Response Matrix" for response time.
- 3. Severe Weather conditions include, but are not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.0 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
- 4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.2 Headwalls

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Complete Date/Initial |
|--------|---|--|--------------|----------------|-----------------|------------------------------|
| 1 | Headwall "A" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 2 | Headwall "A" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 3 | Headwall "A" in NW Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 4 | Headwall "A" Sump in NW Corner | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 5 | Headwall "A" Sump in NW Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 6 | Headwall "B" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 7 | Headwall "B" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 8 | Headwall "B" in NW Corner | Free of tears, penetrations, or thin spots. | S | | | |
| 9 | Headwall "B" in NW Corner Batten Bar | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 10 | Upstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 11 | Upstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 12 | Upstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 13 | Upstream Headwall Sump in NE Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 14 | Downstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 15 | Downstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 16 | Downstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |

TWICE-A-MONTH

Date/Time: 7-28-04 9:00 - 2:00

Weather Conditions: Sunny 74°

Inspector(s): Poult

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix" for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, O and M Requirements Matrix for reporting/documenting requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 mi per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.4.1 Drainage Channels and 3.4.2 Diversion Berms

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|----------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Interior Y-Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Interior Y-Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 3 | Interior Y-Channel | Channel free of leaves or debris | S | | | |
| 4 | Interior Y-Channel | Free of soft spots or wet areas | S | | | |
| 5 | North Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 6 | North Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 7 | North Perimeter Drainage Channel | Channel free of leaves or debris | S | | | |
| 8 | North Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 9 | North Channel Emergency Spillway | Free of tears, penetrations, or thin spots in liner | S | | | |
| 10 | North Channel Emergency Spillway | Geotextile fabric free of damages, if exposed | S | | | |
| 11 | North Channel Emergency Spillway | Channel free of leaves or debris impeding flow | S | | | |
| 12 | North Channel Emergency Spillway | Free of soft spots or wet areas | S | | | |
| 13 | East Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 14 | East Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 15 | East Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | S | | | |
| 16 | East Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 17 | South Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 18 | South Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 19 | South Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | S | | | |
| 20 | South Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 21 | West Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 22 | West Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 23 | West Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | S | | | |
| 24 | West Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 25 | Interior Diversion Berms | Free of tears, penetrations, or thin spots in liner | S | | | |
| 26 | Interior Diversion Berms | Geotextile fabric free of damages, if exposed | S | | | |
| 27 | Interior Diversion Berms | Free of soft spots or wet areas | S | | | |

Note: (1) Indicate which interior diversion berm in the Required Action

TWICE-A-MONTH

Date/Time: July 28, 2004 9:00 - 2:00

Weather Conditions: Sunny 74°

Inspector(s): Pasitt

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2 "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/ Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 D and M Requirements Matrix for reporting/record-keeping requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, hurricanes, wind measuring 50 knots (58 mph) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.0 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.5 Articulating Concrete Blocks (AB) System

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory Unsatisfactory | | Required Action | Action Completed Date/initial |
|--------|--|---|-----------------------------|--|-----------------|----------------------------------|
| | | | | | | |
| 1 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 3 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 4 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 7 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of tears, penetrations, or thin spots in liner | S | | | |
| 8 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of ballooning liner/accumulated liquid | S | | | |
| 9 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Flap is tied-in into AB mat blocks | S | | | |
| 10 | Upstream SE Perimeter Channel Dead-Man | Liner free of tears, penetrations, or thin spots | S | | | |

NOTE: (1) The deadman structures at the South and North Inlet of the interior Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North inlets. Remove any accumulated liquids (note in the Required Action.) proceed with items 11 through 22.

TWICE-A-MONTH

Date/Time: July 28, 2004 9:00 - 2:00 Weather Conditions: Sunny 74°
 Inspector(s): Paula Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly-Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 O&M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1.0 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

**3.5 Articulating Concrete Blocks (AB) System
(continued)**

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|--|--------------|----------------|-----------------|----------------------------------|
| 11 | Southern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | S | | | |
| 12 | Southern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batter bar (no seepage points) | S | | | |
| 13 | Southern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking >1/16" wide | S | | | |
| 14 | Southern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | S | | | |
| 15 | Southern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | S | | | |
| 16 | Southern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 17 | Northern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | S | | | |
| 18 | Northern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batter bar (no seepage points) | S | | | |
| 19 | Northern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking >1/16" wide | S | | | |
| 20 | Northern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | S | | | |
| 21 | Northern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | S | | | |
| 22 | Northern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |

Note: (1) The dead-man structures at the South and North inlet of the Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North inlets. Remove any accumulated liquids (note in the Required Action) and proceed with inspection items 11 through 22.

Note: (2) Upon repair, reinstall the Geomembrane Liner Flap pursuant to Section 3.5.0.1.

TWICE-A-MONTH

Date/Time: 7-28-04 9:00 - 2:00 Weather Conditions: Sunny 74°
 Inspector(s): [Signature] Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix" for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, O&M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: hailstorms, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance Inspector performed following a severe weather event will count as an inspection for the specified period.

4.1.1 Principal Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|----------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Riser Pipe | Free of debris and obstructions | S | | | |
| 2 | H-Flume | Free of debris and obstructions | S | | | |
| 3 | H-Flume | Base is free of silt or sediment | S | | | |

4.2 Emergency Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Concrete Pad | Free of debris and obstructions | S | | | |

4.4.3 Y-Channel Outfall

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Outfall Structure | Concrete channel free of debris and obstructions | S | | | |
| 2 | Outfall Structure | Stilling basin free of debris and obstructions | S | | | |
| 3 | Outfall Structure | 1' dia. weep holes free of debris and obstructions | S | | | |
| 4 | Geomembrane Liner Flap at inlet of the Outfall Structure | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap at inlet of the Outfall Structure | Free of ballooning liner/accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap at inlet of the Outfall Structure | Flap is flattened to the concrete channel | S | | | |
| 7 | Barren at inlet of the Outfall Structure | Free of tears, penetrations, or thin spots | S | | | |

5.2 South Drain Inlet Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|------------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Upstream Headwall | Invert free of debris obstructions | S | | | |
| 2 | Downstream Headwall | Invert free of debris obstructions | S | | | |

Date/Time: 8-5-4 1100 - 300
8-6-4 9:00 - 11:00

TWICE-A-MONTH Sum - 77°

Weather Conditions: Sum - 74°

Inspector(s): Pollitt / Stewart

Type of Inspection (Circle One): General Inspection

or Following Severe Weather

- See Appendix A-2, "Inspector Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- See Appendix A-1, O and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
- Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 35 knots (53 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning and 2.0 inches of greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
- An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.2 Headwalls

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Complete Date/Initial |
|--------|---|--|--------------|----------------|-----------------|------------------------------|
| 1 | Headwall "A" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 2 | Headwall "A" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | | | Sampled water | 8/6/4 |
| 3 | Headwall "A" in NW Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | U | | |
| 4 | Headwall "A" Sump in NW Corner | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 5 | Headwall "A" Sump in NW Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 6 | Headwall "B" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 7 | Headwall "B" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 8 | Headwall "B" in NW Corner | Free of tears, penetrations, or thin spots. | S | | | |
| 9 | Headwall "B" in NW Corner Batten Bar | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 10 | Upstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 11 | Upstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | U | Removed debris | 8/5/4 |
| 12 | Upstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 13 | Upstream Headwall Sump in NE Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 14 | Downstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 15 | Downstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 16 | Downstream Headwall NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |

TWICE-A-MONTH

Date/Time: 8-5-4
8-6-4

Weather Conditions: Sun 77° Sun 74°

Inspector(s): Patrick E Stewart

Type of Inspection (Circle One): General Inspection or **Following Severe Weather**

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, D and M Requirements Matrix for reporting/documentation or requirements and maintenance activities and Appendix A-3 "Recs" Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: sizzards, ice storms, tornadoes, wind measuring 80 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.4.1 Drainage Channels and 3.4.2 Diversion Berms

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|----------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Interior Y-Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Interior Y-Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 3 | Interior Y-Channel | Channel free of leaves or debris | S | | | |
| 4 | Interior Y-Channel | Free of soft spots or wet areas | S | | | |
| 5 | North Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 6 | North Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 7 | North Perimeter Drainage Channel | Channel free of leaves or debris | S | | | |
| 8 | North Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 9 | North Channel Emergency Spillway | Free of tears, penetrations, or thin spots in liner | S | | | |
| 10 | North Channel Emergency Spillway | Geotextile fabric free of damages, if exposed | S | | | |
| 11 | North Channel Emergency Spillway | Channel free of leaves or debris impeding flow | S | | | |
| 12 | North Channel Emergency Spillway | Free of soft spots or wet areas | S | | | |
| 13 | East Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 14 | East Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 18 | East Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | S | | | |
| 16 | East Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 17 | South Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 18 | South Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 19 | South Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | S | | | |
| 20 | South Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 21 | West Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 22 | West Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 23 | West Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | S | | | |
| 24 | West Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 25 | Interior Diversion Berms | Free of tears, penetrations, or thin spots in liner | S | | | |
| 26 | Interior Diversion Berms | Geotextile fabric free of damages, if exposed | S | | | |
| 27 | Interior Diversion Berms | Free of soft spots or wet areas | S | | | |

Note: (*) Indicate which interior diversion berm in the Required Action

Date/Time: 8-5-4 1:00 - 3:00
8-6-4 9:00 - 11:00

TWICE-A-MONTH

Weather Conditions: Sum - 77°
Sum - 74°

Inspector(s): Polish & Stewart

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, 'Inspection Frequency Matrix', for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, O and M Regular-Shifts Matrix for reporting/observational requirements and maintenance activities and Appendix A-3, 'Repair Response Matrix', for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.6 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.5 Articulating Concrete Blocks (AB) System

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 3 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 4 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 7 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of tears, penetrations, or thin spots in liner | S | | | |
| 8 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of ballooning liner/accumulated liquid | S | | | |
| 9 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Flap is tied-in into AB mat blocks | S | | | |
| 10 | Upstream SE Perimeter Channel Dead-Man | Liner free of tears, penetrations, or thin spots | S | | | |

NOTE: (1) The deadman structures at the South and North inlet of the interior Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North inlets. Remove any accumulated liquids (note in the Required Action) proceed with items 11 through 22.

Date/Time: 8-5-4 1:00-3:00
8-6-4 9:00-11:00

TWICE-A-MONTH June 97°
 Weather Conditions: June 74°

Inspector(s) Park & Stewart

Type of Inspection (Circle One): General Inspection or Following Severe Weather

- See Appendix A-2 'Inspection Frequency Matrix' for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- See Appendix A-1 O&M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, 'Repair Response Matrix', for response time.
- Severe Weather conditions include, but not limited to, the following: hailstorms, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4" diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shower duration storm event with an intensity of 1 inch per hour.
- An Operation and Maintenance Inspection performed following a severe weather event will count as an inspection for the specified period.

3.5 Articulating Concrete Blocks (AB) System (continued)

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|--|--------------|----------------|-----------------|----------------------------------|
| 11 | Southern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | S | | | |
| 12 | Southern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batter bar (no seepage points) | S | | | |
| 13 | Southern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking >1/16" wide | S | | | |
| 14 | Southern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | S | | | |
| 15 | Southern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | S | | | |
| 16 | Southern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 17 | Northern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | S | | | |
| 18 | Northern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batter bar (no seepage points) | S | | | |
| 19 | Northern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking >1/16" wide | S | | | |
| 20 | Northern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | S | | | |
| 21 | Northern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | S | | | |
| 22 | Northern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |

Note: (1) The dead-man structures at the South and North inlet of the Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North inlets. Remove any accumulated liquids (note in the Required Action) and proceed with inspection items 11 through 22.

Note: (2) Upon repair, reinstall the Geomembrane Liner Flap pursuant to Section 3.5.3.1.

Date/Time: 8-5-4 1:00 - 3:00
8-6-4 9:00 - 11:00

TWICE-A-MONTH

Weather Conditions: Sun 77° Sun 74°

Inspector(s): Parish & Stewart

Type of Inspection (Circle One): General Inspection or Following Severe Weather

- 1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- 2. See Appendix A-7, "DM Requirements Matrix" for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
- 3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 mph) or greater, approximately 2/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity short duration storm event with an intensity of 1 inch per hour.
- 4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specific period.

4.1.1 Principal Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|----------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Riser Pipe | Free of debris and obstructions | S | | | |
| 2 | H-Flume | Free of debris and obstructions | S | | | |
| 3 | H-Flume | Base is free of silt or sediment | S | | | |

4.2 Emergency Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Concrete Pad | Free of debris and obstructions | S | | | |

4.4.3 Y-Channel Outfall

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Outfall Structure | Concrete channel free of debris and obstructions | S | | | |
| 2 | Outfall Structure | Stilling basin free of debris and obstructions | S | | | |
| 3 | Outfall Structure | 1' dia. weep holes free of debris and obstructions | S | | | |
| 4 | Geomembrane Liner Flap at inlet of the Outfall Structure | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap at Inlet of the Outfall Structure | Free of ballooning / nonaccumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap at Inlet of the Outfall Structure | Flap is battered to the concrete channel | S | | | |
| 7 | Batten at Inlet of the Outfall Structure | Free of tears, penetrations, or thin spots | S | | | |

5.2 South Drain Inlet Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|------------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Upstream Headwall | Invert free of debris obstructions | S | | | |
| 2 | Downstream Headwall | Invert free of debris obstructions | S | | | |

TWICE-A-MONTH

 Date/Time: 8-25-4
8:30 - 2:30

 Weather Conditions: P Sun 85°

 Inspector(s): Spiller

Type of Inspection (Circle One):

 General Inspection

or

 Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and "Following severe weather".
2. See Appendix A-1, C and M Requirements Matrix for reporting/documentation requirements and Appendix A-3, "Recall" Response Matrix, for response time.
3. Severe Weather conditions include, but not limited to, the following: alizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 5/4 diameter "hail" or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.2 Headwalls

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory: Unsatisfactory | | Required Action | Action Complete Date/Initial |
|--------|---|--|------------------------------|---|-----------------------|---------------------------------|
| | | | S | U | | |
| 1 | Headwall "A" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 2 | Headwall "A" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | | U | Small Amount of water | |
| 3 | Headwall "A" in NW Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 4 | Headwall "A" Sump in NW Corner | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 5 | Headwall "A" Sump in NW Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 6 | Headwall "B" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | | U | Cleaned | 8/24/4 SP |
| 7 | Headwall "B" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 8 | Headwall "B" in NW Corner | Free of tears, penetrations, or thin spots. | S | | | |
| 9 | Headwall "B" in NW Corner Batten Bar | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 10 | Upstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 11 | Upstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 12 | Upstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 13 | Upstream Headwall Sump in NE Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 14 | Downstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 15 | Downstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 16 | Downstream Headwall NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |

TWICE-A-MONTH

Date/Time: 8-25-4 8:30 - 2:30

Weather Conditions: P. Sun 85°

Inspector(s): John

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual); and following severe weather.
2. See Appendix A-1 D and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, ionospheres, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance Inspection performed following a severe weather event will count as an inspection for the specified period.

3.4.1 Drainage Channels and 3.4.2 Diversion Berms

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|----------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Interior V-Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Interior V-Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 3 | Interior Y-Channel | Channel free of leaves or debris | S | | | |
| 4 | Interior Y-Channel | Free of soft spots or wet areas | S | | | |
| 5 | North Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 6 | North Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 7 | North Perimeter Drainage Channel | Channel free of leaves or debris | S | | | |
| 8 | North Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 9 | North Channel Emergency Spillway | Free of tears, penetrations, or thin spots in liner | S | | | |
| 10 | North Channel Emergency Spillway | Geotextile fabric free of damages, if exposed | S | | | |
| 11 | North Channel Emergency Spillway | Channel free of leaves or debris impeding flow | S | | | |
| 12 | North Channel Emergency Spillway | Free of soft spots or wet areas | S | | | |
| 13 | East Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 14 | East Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 16 | East Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | S | | | |
| 16 | East Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 17 | South Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 18 | South Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 19 | South Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | S | | | |
| 20 | South Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 21 | West Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 22 | West Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 23 | West Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | S | | | |
| 24 | West Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 25 | Interior Diversion Berms | Free of tears, penetrations, or thin spots in liner | S | | | |
| 26 | Interior Diversion Berms | Geotextile fabric free of damages, if exposed | S | | | |
| 27 | Interior Diversion Berms | Free of soft spots or wet areas | S | | | |

Note: (1) Indicate which interior diversion berm in the Required Action

Date/Time: P-25-4

8:30-9:30

TWICE-A-MONTH

Weather Conditions: P. Sun

85°

Inspector(s): Spurr

Type of Inspection (Circle One):

General Inspection

or

Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, O and M Requirements Matrix for reporting/documental or requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (68 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a covered weather event will count as an inspection for the specified period.

3.5 Articulating Concrete Blocks (AB) System

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 3 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 4 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 7 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of tears, penetrations, or thin spots in liner | S | | | |
| 8 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of ballooning liner/accumulated liquid | S | | | |
| 9 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Flap is tied-in into AB mat blocks | S | | | |
| 10 | Upstream SE Perimeter Channel Dead-Man | Liner free of tears, penetrations, or thin spots | S | | | |

NOTE: (1) The deadman structures at the South and North Inlet of the interior Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North inlets. Remove any accumulated liquids (note in the Required Action) proceed with items 11 through 22.

TWICE-A-MONTH

Date/Time: 8-25-4 8:30 - 2:30

Weather Conditions: P. Rain PS

Inspector(s) SWIT

Type of Inspection (Circle One): General Inspection or

Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-4, "OM Requirements Matrix" for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4" diameter hail or larger, frequent lightning, and 2.6 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

**3.5 Articulating Concrete Blocks (AB) System
(continued)**

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|--|--------------|----------------|-----------------|-------------------------------|
| 11 | Southern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | S | | | |
| 12 | Southern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the bottom bar (no seepage points) | S | | | |
| 13 | Southern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking >1/16" wide | S | | | |
| 14 | Southern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | S | | | |
| 15 | Southern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | S | | | |
| 16 | Southern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 17 | Northern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | S | | | |
| 18 | Northern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the bottom bar (no seepage points) | S | | | |
| 19 | Northern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking >1/16" wide | S | | | |
| 20 | Northern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | S | | | |
| 21 | Northern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | S | | | |
| 22 | Northern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |

Note: (1) The dead-man structures at the South and North inlet of the Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North inlets. Remove any accumulated liquids (note in the Required Action) and proceed with inspection items 11 through 22.

Note: (2) Upon repair, reinstall the Geomembrane Liner Flap pursuant to Section 3.5.3.1.

TWICE-A-MONTH

Date/Time: 8-25-4 8:30- 2:30

Weather Conditions: 7 Am 85°

Inspector(s): Quitt

Type of Inspection (Circle One): General Inspection or Following Severe Weather

- See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- See Appendix A-1 O&M Requirements Matrix for reporting documents, air requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
- Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 mph) per hour or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rain fall in a 24-hour period or a high intensity storm event with an intensity of 1 inch per hour.
- An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the same time period.

4.1.1 Principal Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|----------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Riser Pipe | Free of debris and obstructions | S | | | |
| 2 | H-Flume | Free of debris and obstructions | S | | | |
| 3 | H-Flume | Base is free of silt or sediment | S | | | |

4.2 Emergency Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Concrete Pad | Free of debris and obstructions | S | | | |

4.4.3 Y-Channel Outfall

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|------------------|-------------------------------|
| 1 | Outfall Structure | Concrete channel free of debris and obstructions | S | | | |
| 2 | Outfall Structure | Stilling basin free of debris and obstructions | S | | | |
| 3 | Outfall Structure | 1' dia. weep holes free of debris and obstructions | | U | UN-Blocked Holes | 8/25/20 |
| 4 | Geomembrane Liner Flap at inlet of the Outfall Structure | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap at inlet of the Outfall Structure | Free of ballooning/air/accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap at inlet of the Outfall Structure | Flap is fastened to the concrete channel | S | | | |
| 7 | Batten at inlet of the Outfall Structure | Free of tears, penetrations, or thin spots | S | | | |

5.2 South Drain Inlet Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|------------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Upstream Headwall | Invert free of debris obstructions | S | | | |
| 2 | Downstream Headwall | Invert free of debris obstructions | S | | | |

TWICE-A-MONTH

Date/Time: 9/9/04 9:00 AM - 10:00 AM Weather Conditions: Cloudy 63°
 Inspector(s): D. Pellitt / R. Brown Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, O and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 m. per hour) or greater, approx. 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.2 Headwalls

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Complete Date/Initial |
|--------|---|--|--------------|----------------|-----------------|---------------------------------|
| 1 | Headwall "A" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 2 | Headwall "A" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 3 | Headwall "A" in NW Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 4 | Headwall "A" Sump in NW Corner | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 5 | Headwall "A" Sump in NW Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 6 | Headwall "B" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 7 | Headwall "B" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 8 | Headwall "B" in NW Corner | Free of tears, penetrations, or thin spots. | S | | | |
| 9 | Headwall "B" in NW Corner Batten Bar | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 10 | Upstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 11 | Upstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 12 | Upstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 13 | Upstream Headwall Sump in NE Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 14 | Downstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 15 | Downstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 16 | Downstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |

TWICE-A-MONTH

Date/Time: 9/9/04 10:30 AM - 11:50 AM Weather Conditions: Cloudy 64°
 Inspector(s): D. Pollett / R. Brown Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix," for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual), and following severe weather.
2. See Appendix A-1, D and M Requirements Matrix for reporting/documenting requirements and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.4.1 Drainage Channels and 3.4.2 Diversion Berms

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|----------------------------------|---|--------------|----------------|-----------------|----------------------------------|
| 1 | Interior Y-Channel | Free of tears, penetrations, or thin spots in liner | Satisfactory | | | |
| 2 | Interior Y-Channel | Geotextile fabric free of damages, if exposed | | | | |
| 3 | Interior Y-Channel | Channel free of leaves or debris | | | | |
| 4 | Interior Y-Channel | Free of soft spots or wet areas | | | | |
| 5 | North Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 6 | North Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 7 | North Perimeter Drainage Channel | Channel free of leaves or debris | | | | |
| 8 | North Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 9 | North Channel Emergency Spillway | Free of tears, penetrations, or thin spots in liner | | | | |
| 10 | North Channel Emergency Spillway | Geotextile fabric free of damages, if exposed | | | | |
| 11 | North Channel Emergency Spillway | Channel free of leaves or debris impeding flow | | | | |
| 12 | North Channel Emergency Spillway | Free of soft spots or wet areas | | | | |
| 13 | East Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 14 | East Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 15 | East Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | | | | |
| 16 | East Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 17 | South Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 18 | South Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 19 | South Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | | | | |
| 20 | South Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 21 | West Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 22 | West Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 23 | West Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | | | | |
| 24 | West Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 25 | Interior Diversion Berms | Free of tears, penetrations, or thin spots in liner | | | | |
| 26 | Interior Diversion Berms | Geotextile fabric free of damages, if exposed | | | | |
| 27 | Interior Diversion Berms | Free of soft spots or wet areas | | | | |

Note: (1) Indicate which interior diversion berm in the Required Action

Date/Time: 9/9/04 10:30AM - 1:500 PM TWICE-A-MONTH Weather Conditions: Cloudy 69°
 Inspector(s): D. Pollitt / R. Brown Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, O and M Requirements Matrix for report requirements, documentation requirements and maintenance activities and Appendix A-3, "Kapair Response Matrix", for response times.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.6 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified service.

3.5 Articulating Concrete Blocks (AB) System

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 3 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 4 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 7 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of tears, penetrations, or thin spots in liner | S | | | |
| 8 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of ballooning liner/accumulated liquid | S | | | |
| 9 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Flap is tied-in into AB mat blocks | S | | | |
| 10 | Upstream SE Perimeter Channel Dead-Man | Liner free of tears, penetrations, or thin spots | S | | | |

NOTE (1) The deadman structures at the South and North inlet of the interior Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North inlets. Required Action) proceed with Items 11 through 22.

TWICE-A-MONTH

Date/Time: 9/9/04 10:30am - 3:00 PM Weather Conditions: Cloudy 69°
 Inspector(s): D. Pollett / R. Brown Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspector Frequency Matrix", for type of inspector and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: hail storms, ice storms, tornadoes, wind measuring 33 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity convective rainfall storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

**3.5 Articulating Concrete Blocks (AB) System
(continued)**

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|--|--------------|----------------|-----------------|-------------------------------|
| 11 | Southern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | N/A | | | |
| 12 | Southern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batter bar (no seepage points) | N/A | | | |
| 13 | Southern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking >1/16" wide | N/A | | | |
| 14 | Southern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | N/A | | | |
| 15 | Southern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | N/A | | | |
| 16 | Southern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | N/A | | | |
| 17 | Northern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | N/A | | | |
| 18 | Northern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batter bar (no seepage points) | N/A | | | |
| 19 | Northern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking >1/16" wide | N/A | | | |
| 20 | Northern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | N/A | | | |
| 21 | Northern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | N/A | | | |
| 22 | Northern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | N/A | | | |

Note: (1) The dead-man structures at the South and North inlet of the Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North Inlets. Remove any accumulated liquids (note in the Required Action) and proceed with inspection items #1 through 22.

Note: (2) Upon repair, reinstall the Geomembrane Liner Flap pursuant to Section 3.5.3.1.

TWICE-A-MONTH

Date/Time: 9/9/04 10:30 AM - 3:00 PM

Weather Conditions: Cloudy 69°

Inspector(s): D. Pollett / R. Brown

Type of Inspection (Circle One): General Inspection or Following Severe Weather

- See Appendix A-2, "Inspection Frequency Matrix" for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- See Appendix A-1, "DM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
- Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (50 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.0 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
- An Operation and Maintenance inspection performed to follow a severe weather event will count as an inspection for the specified period.

4.1.1 Principal Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|----------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Riser Pipe | Free of debris and obstructions | S | | | |
| 2 | H-Flume | Free of debris and obstructions | S | | | |
| 3 | H-Flume | Base is free of silt or sediment | S | | | |

4.2 Emergency Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---------------------------------|--------------|----------------|-----------------|-------------------------------|
| | Concrete Pad | Free of debris and obstructions | S | | | |

4.4.3 Y-Channel Outfall

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Outfall Structure | Concrete channel free of debris and obstructions | S | | | |
| 2 | Outfall Structure | Sitting basin free of debris and obstructions | S | | | |
| 3 | Outfall Structure | Grills, weep holes free of debris and obstructions | S | | | |
| 4 | Geomembrane Liner Flap at inlet of the Outfall Structure | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap at inlet of the Outfall Structure | Free of ballooning liner/accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap at inlet of the Outfall Structure | Flap is battered to the concrete channel | S | | | |
| 7 | Ratzen at inlet of the Outfall Structure | Free of tears, penetrations, or thin spots | S | | | |

5.2 South Drain Inlet Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|------------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Upstream Headwall | Invert free of debris obstructions | S | | | |
| 2 | Downstream Headwall | Invert free of debris obstructions | S | | | |

TWICE-A-MONTH

Date/Time: 9/17/04 09:10^{AM} - 10:00 AM Weather Conditions: Sunny 51°
 Inspector(s): Brown - Pollitt Type of Inspection: (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, "O and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, hurricanes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance Inspection performed following a severe weather event will count as an inspection for the specified period.

3.2 Headwalls

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Complete Date/Initial |
|--------|---|--|--------------|----------------|-----------------|------------------------------|
| 1 | Headwall "A" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 2 | Headwall "A" in NW Corner | Free of balloning liner at batten bar (indicating accumulated liquids) | S | | | |
| 3 | Headwall "A" in NW Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 4 | Headwall "A" Sump in NW Corner | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 5 | Headwall "A" Sump in NW Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 6 | Headwall "B" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 7 | Headwall "B" in NW Corner | Free of balloning liner at batten bar (indicating accumulated liquids) | S | | | |
| 8 | Headwall "B" in NW Corner | Free of tears, penetrations, or thin spots. | S | | | |
| 9 | Headwall "B" in NW Corner Batten Bar | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 10 | Upstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 11 | Upstream Headwall in NE Corner | Free of balloning liner at batten bar (indicating accumulated liquids) | S | | | |
| 12 | Upstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 13 | Upstream Headwall Sump in NE Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 14 | Downstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 15 | Downstream Headwall in NE Corner | Free of balloning liner at batten bar (indicating accumulated liquids) | S | | | |
| 16 | Downstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |

TWICE-A-MONTH

Date/Time: 9/20/04 09:10 - 1350

Weather Conditions: Sunny

60°

Inspector(s): Brown - Pollitt

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and "following severe weather".
2. See Appendix A-1, O and M Requirements Matrix, for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.4.1 Drainage Channels and 3.4.2 Diversion Berms

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|----------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Interior Y-Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Interior Y-Channel | Geotextile fabric free of damages, if exposed | | | | |
| 3 | Interior Y-Channel | Channel free of leaves or debris | | | | |
| 4 | Interior Y-Channel | Free of soft spots or wet areas | | | | |
| 5 | North Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 6 | North Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 7 | North Perimeter Drainage Channel | Channel free of leaves or debris | | | | |
| 8 | North Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 9 | North Channel Emergency Spillway | Free of tears, penetrations, or thin spots in liner | | | | |
| 10 | North Channel Emergency Spillway | Geotextile fabric free of damages, if exposed | | | | |
| 11 | North Channel Emergency Spillway | Channel free of leaves or debris impeding flow | | | | |
| 12 | North Channel Emergency Spillway | Free of soft spots or wet areas | | | | |
| 13 | East Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 14 | East Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 16 | East Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | | | | |
| 16 | East Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 17 | South Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 18 | South Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 19 | South Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | | | | |
| 20 | South Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 21 | West Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 22 | West Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 23 | West Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | | | | |
| 24 | West Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 25 | Interior Diversion Berms | Free of tears, penetrations, or thin spots in liner | | | | |
| 26 | Interior Diversion Berms | Geotextile fabric free of damages, if exposed | | | | |
| 27 | Interior Diversion Berms | Free of soft spots or wet areas | | | | |

Note: (f) Indicate which interior diversion berm in the Required Action

TWICE-A-MONTH

Date/Time: 9/20/04 0910 - 1150

Weather Conditions: Summer

65°

Inspector(s): Brown - Pollett

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual); and following severe weather.
2. See Appendix A-1, O and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.5 Articulating Concrete Blocks (AB) System

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 3 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 4 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 7 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of tears, penetrations, or thin spots in liner | S | | | |
| 8 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of ballooning liner/accumulated liquid | S | | | |
| 9 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Flap is tied-in into AB mat blocks | S | | | |
| 10 | Upstream SE Perimeter Channel Dead-Man | Liner free of tears, penetrations, or thin spots | S | | | |

NOTE: (1) The deadman structures at the South and North inlet of the interior Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North inlets. Remove any accumulated liquids (note in the Required Action) proceed with items 11 through 22.

TWICE-A-MONTH

Date/Time: 9/20/04 0910 - 1150 Weather Conditions: Sunny
 Inspector(s): Brown - Pollitt Type of Inspection (Circle One): General Inspection or Following Severe Weather

- See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- See Appendix A-1 O&M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
- Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, hurricanes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.6 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
- An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

**3.5 Articulating Concrete Blocks (AB) System
(continued)**

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|--|--------------|----------------|-----------------|-------------------------------|
| 11 | Southern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | N/A | | | |
| 12 | Southern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | | | | |
| 13 | Southern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking >1/16" wide | | | | |
| 14 | Southern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | | | | |
| 15 | Southern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | | | | |
| 16 | Southern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | | | | |
| 17 | Northern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | | | | |
| 18 | Northern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | | | | |
| 19 | Northern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking >1/16" wide | | | | |
| 20 | Northern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | | | | |
| 21 | Northern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | | | | |
| 22 | Northern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | | | | |

Note: (1) The dead-man structures at the South and North Inlet of the Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North inlets. Remove any accumulated liquids (note in the Required Action) and proceed with inspection items 11 through 22.

Note: (2) Upon repair, re-install the Geomembrane Liner Flap pursuant to Section 3.5.3.1.

TWICE-A-MONTH

Date/Time: 9/20/04 09:10 - 1550 Weather Conditions: Sunny 60°
 Inspector(s): Brown Pollett Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, "OM Requirements Matrix" for reporting/documentation requirements and maintenance activities and Appendix A-6, "Repair Response Matrix", for response time.
3. Severe weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.0 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance Inspection performed following a severe weather event will count as an inspection for the specified period.

4.1.1 Principal Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|----------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Riser Pipe | Free of debris and obstructions | S | | | |
| 2 | 1-Flume | Free of debris and obstructions | S | | | |
| 3 | 1-Flume | Base is free of silt or sediment | S | | | |

4.2 Emergency Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Concrete Pad | Free of debris and obstructions | S | | | |

4.4.3 Y-Channel Outfall

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Outfall Structure | Concrete channel free of debris and obstructions | S | | | |
| 2 | Outfall Structure | Stilling basin free of debris and obstructions | S | | | |
| 3 | Outfall Structure | 1' dia. weep holes free of debris and obstructions | S | | | |
| 4 | Geomembrane Liner Flap at Inlet of the Outfall Structure | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap at Inlet of the Outfall Structure | Free of ballooning liner/accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap at Inlet of the Outfall Structure | Flap is balloned to the concrete channel | S | | | |
| 7 | Ballon at Inlet of the Outfall Structure | Free of tears, penetrations, or thin spots | S | | | |

5.2 South Drain Inlet Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|-----------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Upstream Headwall | liner free of debris obstructions | S | | | |
| 2 | Downstream Headwall | liner free of debris obstructions | S | | | |

TWICE-A-MONTH

Date/Time: 10/15/04 1100 - 1150

Weather Conditions: Windy with L. Rain 48°

Inspector(s): R. Brown

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, O and M Requirements Matrix for recording/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance Inspection performed following a severe weather event will count as an inspection for the specified period.

3.2 Headwalls

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory! | Required Action | Action Complete Date/Initial |
|--------|--|--|--------------|-----------------|-----------------|---------------------------------|
| 1 | Headwall "A" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 2 | Headwall "A" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 3 | Headwall "A" in NW Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 4 | Headwall "A" Sump in NW Corner | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 5 | Headwall "A" Sump in NW Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 6 | Headwall "B" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 7 | Headwall "B" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 8 | Headwall "B" in NW Corner | Free of tears, penetrations, or thin spots. | S | | | |
| 9 | Headwall "B" in NW Corner Batten Bar | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 10 | Upstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 11 | Upstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 12 | Upstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 13 | Upstream Headwall Sump in NE Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 14 | Downstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 15 | Downstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 16 | Downstream Headwall NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |

TWICE-A-MONTH

Date/Time: 10/15/04

1100 - 1350

Weather Conditions: Windy & Cold

47°

Inspector(s): A. Brown

Type of Inspection (Circle One): General Inspection

or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Q and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.0 inches or greater rain fall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance Inspection performed following a severe weather event will count as an inspection for the specified period.

3.4.1 Drainage Channels and 3.4.2 Diversion Berms

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|----------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Interior Y-Channel | Free of tears, penetrations, or thin spots in liner | Satisfactory | | | |
| 2 | Interior Y-Channel | Geotextile fabric free of damages, if exposed | | | | |
| 3 | Interior Y-Channel | Channel free of leaves or debris | | | | |
| 4 | Interior Y-Channel | Free of soft spots or wet areas | | | | |
| 5 | North Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 6 | North Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 7 | North Perimeter Drainage Channel | Channel free of leaves or debris | | | | |
| 8 | North Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 9 | North Channel Emergency Spillway | Free of tears, penetrations, or thin spots in liner | | | | |
| 10 | North Channel Emergency Spillway | Geotextile fabric free of damages, if exposed | | | | |
| 11 | North Channel Emergency Spillway | Channel free of leaves or debris impeding flow | | | | |
| 12 | North Channel Emergency Spillway | Free of soft spots or wet areas | | | | |
| 13 | East Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 14 | East Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 16 | East Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | | | | |
| 16 | East Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 17 | South Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 18 | South Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 19 | South Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | | | | |
| 20 | South Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 21 | West Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 22 | West Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 23 | West Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | | | | |
| 24 | West Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 25 | Interior Diversion Berms | Free of tears, penetrations, or thin spots in liner | | | | |
| 26 | Interior Diversion Berms | Geotextile fabric free of damages, if exposed | | | | |
| 27 | Interior Diversion Berms | Free of soft spots or wet areas | | | | |

Note: (1) Indicate which interior diversion berm in the Required Action

TWICE-A-MONTH

Date/Time: 10/15/04 1100 - 1350
 Inspector(s): R. Brown

Weather Conditions: Windy 48°
 Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, D and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, hurricanes, wind measuring 50 knots (56 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rain fall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance Inspector performed following a severe weather event will count as an inspection for the specified period.

3.5 Articulating Concrete Blocks (AB) System

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Geomembrane Liner Flap - South Y-Channel Inlet (*) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 3 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 4 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap - North Y-Channel Inlet (*) | Flap is tied-in into AB mat blocks | S | | | |
| 7 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of tears, penetrations, or thin spots in liner | S | | | |
| 8 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of ballooning liner/accumulated liquid | S | | | |
| 9 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Flap is tied-in into AB mat blocks | S | | | |
| 10 | Upstream SF Perimeter Channel Dead-Man | Liner free of tears, penetrations, or thin spots | S | | | |

NOTE: (1) The deadman structures at the South and North inlet of the interior Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North inlets. Remove any accumulated liquids (note in the Required Action) proceed with items 11 through 22.

* AB mats slid from sides causing blocks to buckle.

TWICE-A-MONTH

Date/Time: 10/15/04 1100 - 1150 Weather Conditions: Windy 48°
 Inspector(s): R. Brown Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 CM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 mph (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

**3.5 Articulating Concrete Blocks (AB) System
(continued)**

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Data/Initial |
|--------|--|--|--------------|----------------|-----------------|-------------------------------|
| 11 | Southern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | N/A ↓ | | | |
| 12 | Southern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | | | | |
| 13 | Southern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking >1/16" wide | | | | |
| 14 | Southern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | | | | |
| 15 | Southern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | | | | |
| 16 | Southern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | | | | |
| 17 | Northern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | | | | |
| 18 | Northern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | | | | |
| 19 | Northern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking >1/16" wide | | | | |
| 20 | Northern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | | | | |
| 21 | Northern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | | | | |
| 22 | Northern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | | | | |

Note: (1) The dead-man structures at the South and North Inlet of the Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North inlets. Remove any accumulated liquids (note in the Required Action) and proceed with Inspection Items 11 through 22.

Note: (2) Upon repair, reinstall the Geomembrane Liner Flap pursuant to Section 3.5.3.1.

TWICE-A-MONTH

Date/Time: 10/15/04

1100 — 1150

Weather Conditions: Windy with L. Rain

48°

Inspector(s): R. Brown

Type of Inspection (Circle One): General Inspection or Following Severe Weather

- 1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- 2. See Appendix A-1 O&M Requirements Matrix for reporting/documentation requirements and maintenance policy files and Appendix A-3, "Repair Response Matrix", for response times.
- 3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, ice raucos, wind measuring 53 knots (58 miles per hour) or greater, approximately 3/4" diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1" inch per hour.
- 4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

4.1.1 Principal Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|----------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Riser Pipe | Free of debris and obstructions | S | | | |
| 2 | H-Flume | Free of debris and obstructions | S | | | |
| 3 | H-Flume | Base is free of silt or sediment | S | | | |

4.2 Emergency Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Concrete Pad | Free of debris and obstructions | S | | | |

4.4.3 Y-Channel Outfall

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Cutoff Structure | Concrete channel free of debris and obstructions | S | | | |
| 2 | Cutoff Structure | Stilling basin free of debris and obstructions | S | | | |
| 3 | Cutoff Structure | 1' dia. weep holes free of debris and obstructions | S | | | |
| 4 | Geomembrane Liner Flap at inlet of the Outfall Structure | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap at inlet of the Outfall Structure | Free of ballooning / no accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap at inlet of the Outfall Structure | Flap is flattened to the concrete channel | S | | | |
| 7 | Batten at inlet of the Outfall Structure | Free of tears, penetrations, or thin spots | S | | | |

5.2 South Drain Inlet Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--------------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Upstream Headwall | Invert free of debris / obstructions | S | | | |
| 2 | Downstream Headwall | Invert free of debris / obstructions | S | | | |

TWICE-A-MONTH

Date/Time: 10/25/04 0930 — 1150 Weather Conditions: Sunny 65°
 Inspector(s): R. Brown / D. Pollett Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix," for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, D and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "RSPR" Response Matrix, for response time.
3. Severe Weather conditions include, but not limited to, the following: hailstorms, ice storms, tornadoes, wind measuring 30 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.5 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operator and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.2 Headwalls

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Complete Date/Initial |
|--------|---|--|--------------|----------------|-----------------|------------------------------|
| 1 | Headwall "A" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 2 | Headwall "A" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 3 | Headwall "A" in NW Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 4 | Headwall "A" Sump in NW Corner | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 5 | Headwall "A" Sump in NW Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 6 | Headwall "B" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 7 | Headwall "B" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 8 | Headwall "B" in NW Corner | Free of tears, penetrations, or thin spots. | S | | | |
| 9 | Headwall "B" in NW Corner Batten Bar | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 10 | Upstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | * S | | | |
| 11 | Upstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 12 | Upstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 13 | Upstream Headwall Sump in NE Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 14 | Downstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 15 | Downstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 16 | Downstream Headwall NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |

* Removed 1/2 bags of leaves from grate.

TWICE-A-MONTH

Date/Time: 10/25/04 0930 - 1550 Weather Conditions: Sunny 65°
 Inspector(s): R. Brown / D. Pollitt Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2 "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, C and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: hurricanes, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operator and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.4.1 Drainage Channels and 3.4.2 Diversion Berms

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|----------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Interior Y-Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Interior Y-Channel | Geotextile fabric free of damages, if exposed | | | | |
| 3 | Interior Y-Channel | Channel free of leaves or debris | | | | |
| 4 | Interior Y-Channel | Free of soft spots or wet areas | | | | |
| 5 | North Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 6 | North Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 7 | North Perimeter Drainage Channel | Channel free of leaves or debris | | | | |
| 8 | North Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 9 | North Channel Emergency Spillway | Free of tears, penetrations, or thin spots in liner | | | | |
| 10 | North Channel Emergency Spillway | Geotextile fabric free of damages, if exposed | | | | |
| 11 | North Channel Emergency Spillway | Channel free of leaves or debris impeding flow | | | | |
| 12 | North Channel Emergency Spillway | Free of soft spots or wet areas | | | | |
| 13 | East Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 14 | East Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 16 | East Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | | | | |
| 18 | East Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 17 | South Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 18 | South Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 19 | South Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | | | | |
| 20 | South Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 21 | West Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 22 | West Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 23 | West Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | | | | |
| 24 | West Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 25 | Interior Diversion Berms | Free of tears, penetrations, or thin spots in liner | | | | |
| 26 | Interior Diversion Berms | Geotextile fabric free of damages, if exposed | | | | |
| 27 | Interior Diversion Berms | Free of soft spots or wet areas | | | | |

Note: (1) Indicate which interior diversion berm in the Required Action

TWICE-A-MONTH

Date/Time: 10/25/04 1030 - 1350 Weather Conditions: Sunny 65°
 Inspector(s): R. Brown / D. Pollitt Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, O and M Requirements Matrix for reporting/documenting requirements and Appendix A-3, "Roadway Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 5/8 diameter hail or larger, frequent lightning, and 2.6 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.5 Articulating Concrete Blocks (AB) System

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|---|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 3 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 4 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 7 | Geomembrane Liner Flap - Along Y-Channel: a; Diversion Berm B | Free of tears, penetrations, or thin spots in liner | S | | | |
| 8 | Geomembrane Liner Flap - Along Y-Channel: a; Diversion Berm B | Free of ballooning liner/accumulated liquid | S | | | |
| 9 | Geomembrane Liner Flap - Along Y-Channel: a; Diversion Berm B | Flap is tied-in into AB mat blocks | S | | | |
| 10 | Upstream SE Perimeter Channel Dead-Man | Liner free of tears, penetrations, or thin spots | S | | | |

NOTE: (1) The deadman structures at the South and North inlet of the interior Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North inlets. Remove any accumulated liquids (note in the Required Action) proceed with items 11 through 22.

TWICE-A-MONTH

Date/Time: 10/25/04 1030 - 1350 Weather Conditions: Sunny 65°
 Inspector(s): R. Brown / D. Pollitt Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, "OM Requirements Matrix" for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 5M diameter hail or larger, frequent lightning, or 2.0 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

**3.5 Articulating Concrete Blocks (AB) System
(continued)**

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|--|--------------|----------------|-----------------|-------------------------------|
| 11 | Southern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | N/A | | | |
| 12 | Southern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | | | | |
| 13 | Southern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking >1/16" wide | | | | |
| 14 | Southern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | | | | |
| 15 | Southern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | | | | |
| 16 | Southern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | | | | |
| 17 | Northern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | | | | |
| 18 | Northern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | | | | |
| 19 | Northern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking >1/16" wide | | | | |
| 20 | Northern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | | | | |
| 21 | Northern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | | | | |
| 22 | Northern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | | | | |

Note: (*) The dead-man structures at the South and North inlet of the Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North inlets. Remove any accumulated liquids (note in the Required Action) and proceed with inspection items 11 through 22.

Note: (2) Upon repair reinstall the Geomembrane Liner Flap pursuant to Section 3.6.3.1

TWICE-A-MONTH

Date/Time: 11/10/04 1030 - 1550 Weather Conditions: Clear 52°
 Inspector(s): R. Brown / D. Pollitt Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, D and M Requirements Matrix for monitoring/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: hazards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, free-fall lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified series.

3.2 Headwalls

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Complete Date/Initial |
|--------|---|--|--------------|----------------|-----------------|------------------------------|
| 1 | Headwall "A" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 2 | Headwall "A" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 3 | Headwall "A" in NW Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 4 | Headwall "A" Sump in NW Corner | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 5 | Headwall "A" Sump in NW Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 6 | Headwall "B" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 7 | Headwall "B" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 8 | Headwall "B" in NW Corner | Free of tears, penetrations, or thin spots. | S | | | |
| 9 | Headwall "B" in NW Corner Batten Bar | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 10 | Upstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 11 | Upstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 12 | Upstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 13 | Upstream Headwall Sump in NE Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 14 | Downstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 15 | Downstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 16 | Downstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |

* Shaw started work on "AB" mats @ S.E. corner. 11/8/2004

TWICE-A-MONTH

Date/Time: 11/10/04 1036 - 1556

Weather Conditions: Clear

52°

Inspector(s): R. Brown / D. Pollitt

Type of Inspection (Circle One): General Inspection

or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annually/Annually) and following severe weather.
2. See Appendix A-1, O and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rain fall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.4.1 Drainage Channels and 3.4.2 Diversion Berms

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory Unsatisfactory | | Required Action | Action Completed Date/initial |
|--------|----------------------------------|---|-----------------------------|--|-----------------|-------------------------------|
| | | | | | | |
| 1 | Interior Y-Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Interior Y-Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 3 | Interior Y-Channel | Channel free of leaves or debris | S | | | |
| 4 | Interior Y-Channel | Free of soft spots or wet areas | S | | | |
| 5 | North Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 6 | North Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 7 | North Perimeter Drainage Channel | Channel free of leaves or debris | S | | | |
| 8 | North Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 9 | North Channel Emergency Spillway | Free of tears, penetrations, or thin spots in liner | S | | | |
| 10 | North Channel Emergency Spillway | Geotextile fabric free of damages, if exposed | S | | | |
| 11 | North Channel Emergency Spillway | Channel free of leaves or debris impeding flow | S | | | |
| 12 | North Channel Emergency Spillway | Free of soft spots or wet areas | S | | | |
| 13 | East Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 14 | East Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 15 | East Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | S | | | |
| 16 | East Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 17 | South Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 18 | South Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 19 | South Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | S | | | |
| 20 | South Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 21 | West Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 22 | West Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 23 | West Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | S | | | |
| 24 | West Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 25 | Interior Diversion Berms | Free of tears, penetrations, or thin spots in liner | S | | | |
| 26 | Interior Diversion Berms | Geotextile fabric free of damages, if exposed | S | | | |
| 27 | Interior Diversion Berms | Free of soft spots or wet areas | S | | | |

Note: (1) Indicate which interior diversion berm in the Required Action

TWICE-A-MONTH

Date/Time: 11/10/04 1240 - 1550

Weather Conditions: Mostly Sunny 61°

Inspector(s): R. Brown / D. Pollitt

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, D and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specific period.

3.5 Articulating Concrete Blocks (AB) System

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 3 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 4 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 7 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of tears, penetrations, or thin spots in liner | S | | | |
| 8 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of ballooning liner/accumulated liquid | S | | | |
| 9 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Flap is tied-in into AB mat blocks | S | | | |
| 10 | Upstream SE Perimeter Channel Dead-Man | Liner free of tears, penetrations, or thin spots | S | | | |

NOTE: (1) The deadman structures at the South and North inlet of the Interior Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North inlets. Remove any accumulated liquids (note in the Required Action) proceed with items 11 through 22.

TWICE-A-MONTH

Date/Time: 11/10/04 1240 - 1400
 Inspector(s): R. Brown / D. Pollitt

Weather Conditions: Mostly Sunny 61°
 Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 O&M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornados, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.9 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

**3.5 Articulating Concrete Blocks (AB) System
(continued)**

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|--|--------------|----------------|-----------------|-------------------------------|
| 11 | Southern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | <i>S</i> | | | |
| 12 | Southern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | | | | |
| 13 | Southern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking >1/16" wide | | | | |
| 14 | Southern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | | | | |
| 15 | Southern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | | | | |
| 16 | Southern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | | | | |
| 17 | Northern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | <i>S</i> | <i>RB</i> | | |
| 18 | Northern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | | | | |
| 19 | Northern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking >1/16" wide | | | | |
| 20 | Northern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | | | | |
| 21 | Northern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | | | | |
| 22 | Northern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | | | | |

Note: (1) The dead-man structures at the South and North inlet of the Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North inlets. Remove any accumulated liquids (note in the Required Action) and proceed with Inspection Items 11 through 22.

Note: (2) Upon repair, reinstall the Geomembrane Liner Flap pursuant to Section 3.5.3.1.

Date/Time: 11/10/04 1240 - 1550

TWICE-A-MONTH

Weather Conditions: Mostly Sunny 61°

Inspector(s): R. Brown / D. Pollitt

Type of Inspection (Circle One): General Inspection or Following Severe Weather

- See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- See Appendix A-1 O&M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Reed's Response Matrix", for response time.
- Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measur'g to 60 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning and 2.8 inches or greater rain fall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
- An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

4.1.1 Principal Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|----------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Riser Pipe | Free of debris and obstructions | S | | | |
| 2 | H-Flume | Free of debris and obstructions | S | | | |
| 3 | H-Flume | Base is free of silt or sediment | S | | | |

4.2 Emergency Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Concrete Pad | Free of debris and obstructions | S | | | |

4.4.3 Y-Channel Outfall

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Outfall Structure | Concrete channel free of debris and obstructions | S | | | |
| 2 | Outfall Structure | Sifting basin free of debris and obstructions | S | | | |
| 3 | Outfall Structure | 1' dia. weep holes free of debris and obstructions | S | | | |
| 4 | Geomembrane Liner Flap at inlet of the Outfall Structure | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap at inlet of the Outfall Structure | Free of ballooning lines/accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap at inlet of the Outfall Structure | Flap is battered to the concrete channel | S | | | |
| 7 | Batten at inlet of the Outfall Structure | Free of tears, penetrations, or thin spots | S | | | |

5.2 South Drain Inlet Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|------------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Upstream Headwall | Invert free of debris obstructions | S | | | |
| 2 | Downstream Headwall | Invert free of debris obstructions | S | | | |

TWICE-A-MONTH

Date/Time: 11/22/04 1030--1350 Weather Conditions: Cloudy 55°
 Inspector(s): R. Brown / D. Pollitt Type of inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, O and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response times.
3. Severe Weather conditions include, but not limited to the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.3 inches or greater rain fall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operator and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.2 Headwalls

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Complete Date/Initial |
|--------|---|--|--------------|----------------|-----------------|------------------------------|
| 1 | Headwall "A" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 2 | Headwall "A" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 3 | Headwall "A" in NW Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 4 | Headwall "A" Sump in NW Corner | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 5 | Headwall "A" Sump in NW Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 6 | Headwall "B" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 7 | Headwall "B" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 8 | Headwall "B" in NW Corner | Free of tears, penetrations, or thin spots. | S | | | |
| 9 | Headwall "B" in NW Corner Batten Bar | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 10 | Upstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 11 | Upstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 12 | Upstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 13 | Upstream Headwall Sump in NE Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 14 | Downstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 15 | Downstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 16 | Downstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |

TWICE-A-MONTH

Date/Time: 11/22/04 1030 — 1350 Weather Conditions: Cloudy 55°
 Inspector(s): R. Brown / D. Pollitt Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, O and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3 "Repair Response Matrix" for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 53 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.0 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.4.1 Drainage Channels and 3.4.2 Diversion Berms

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|----------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Interior Y-Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Interior Y-Channel | Geotextile fabric free of damages, if exposed | | | | |
| 3 | Interior Y-Channel | Channel free of leaves or debris | | | | |
| 4 | Interior Y-Channel | Free of soft spots or wet areas | | | | |
| 5 | North Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 6 | North Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 7 | North Perimeter Drainage Channel | Channel free of leaves or debris | | | | |
| 8 | North Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 9 | North Channel Emergency Spillway | Free of tears, penetrations, or thin spots in liner | | | | |
| 10 | North Channel Emergency Spillway | Geotextile fabric free of damages, if exposed | | | | |
| 11 | North Channel Emergency Spillway | Channel free of leaves or debris impeding flow | | | | |
| 12 | North Channel Emergency Spillway | Free of soft spots or wet areas | | | | |
| 13 | East Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 14 | East Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 16 | East Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | | | | |
| 16 | East Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 17 | South Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 18 | South Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 19 | South Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | | | | |
| 20 | South Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 21 | West Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 22 | West Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 23 | West Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | | | | |
| 24 | West Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 25 | Interior Diversion Berms | Free of tears, penetrations, or thin spots in liner | | | | |
| 26 | Interior Diversion Berms | Geotextile fabric free of damages, if exposed | | | | |
| 27 | Interior Diversion Berms | Free of soft spots or wet areas | | | | |

Note: (1) Indicate which interior diversion berm in the Required Action:

TWICE-A-MONTH

Date/Time: 11(22-23)04 1030 - 1350 Weather Conditions: Cloudy 55°
 Inspector(s): R. Brown / D. Pollitt Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspector Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, O and M Requirements Matrix for recording/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind exceeding 50 mph (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rain* in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operator and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.5 Articulating Concrete Blocks (AB) System

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 3 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 4 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 7 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of tears, penetrations, or thin spots in liner | S | | | |
| 8 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of ballooning liner/accumulated liquid | S | | | |
| 9 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Flap is tied-in into AB mat blocks | S | | | |
| 10 | Upstream SE Perimeter Channel Dead-Man | Liner free of tears, penetrations, or thin spots | S | | | |

NOTE: (1) The deadman structures at the South and North inlet of the interior Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North inlets. Remove any accumulated liquids (note in the Required Action) proceed with items 11 through 22.

TWICE-A-MONTH

Date/Time: 11/22/04 1030-1350

Weather Conditions: Cloudy 55°

Inspector(s): R. Brown / D. Pollitt

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4" diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance Inspection performed following a severe weather event will count as an inspection for the specified period.

**3.5 Articulating Concrete Blocks (AB) System
(continued)**

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial | |
|--------|--|--|-----------------------------------|-----------------|-----------------|-------------------------------|--|
| 11 | Southern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | S ^{RS} SMA | | | | |
| 12 | Southern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | S ^{RS} ↓ | | | | |
| 13 | Southern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking >1/16" wide | | | | | |
| 14 | Southern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | | | | | |
| 15 | Southern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | | | | | |
| 16 | Southern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | | | | | |
| 17 | Northern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | | S ^{RS} | | | |
| 18 | Northern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | | | | | |
| 19 | Northern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking >1/16" wide | | | | | |
| 20 | Northern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | | | | | |
| 21 | Northern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | | | | | |
| 22 | Northern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | | | | | |

Note: (1) The dead-man structures at the South and North inlet of the Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North inlets. Remove any accumulated liquids (note in the Required Action) and proceed with inspection items 11 through 22.

Note: (2) Upon repair, reinstall the Geomembrane Liner Flap pursuant to Section 5.6.3.1.

TWICE-A-MONTH

Date/Time: 11/22/04 1030-1350 Weather Conditions: Cloudy 55°
 Inspector(s): R. Brown / D. Pollitt Type of Inspection (Circle One): General Inspection or Following Severe Weather

- See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- See Appendix A-1 O&M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-2, "Repair Response Matrix", for response time.
- Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.5 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
- An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

4.1.1 Principal Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|----------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Riser Pipe | Free of debris and obstructions | S | | | |
| 2 | H-Flume | Free of debris and obstructions | S | | | |
| 3 | H-Flume | Base is free of silt or sediment | S | | | |

4.2 Emergency Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---------------------------------|--------------|----------------|-----------------|-------------------------------|
| | Concrete Pad | Free of debris and obstructions | S | | | |

4.4.3 Y-Channel Outfall

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Outfall Structure | Concrete channel free of debris and obstructions | S | | | |
| 2 | Outfall Structure | Stilling basin free of debris and obstructions | S | | | |
| 3 | Outfall Structure | 1' dia. weep holes free of debris and obstructions | S | | | |
| 4 | Geomembrane Liner Flap at inlet of the Outfall Structure | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap at inlet of the Outfall Structure | Free of ballooning liner/accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap at Inlet of the Outfall Structure | Flap is balloned to the concrete channel | S | | | |
| 7 | Balken at inlet of the Outfall Structure | Free of tears, penetrations, or thin spots | S | | | |

5.2 South Drain Inlet Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|------------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Upstream Headwall | invert free of debris obstructions | S | | | |
| 2 | Downstream Headwall | invert free of debris obstructions | S | | | |

TWICE-A-MONTH

Date/Time: 12/8/04 1100 — 1400 Weather Conditions: Fair 60°
 Inspector(s): R. Brown / D. Pollitt Type of Inspection (Circle One): General Inspection or Following Severe Weather:

1. See Appendix A-2 "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual); and in noting severe weather.
2. See Appendix A-1, O and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.5 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.2 Headwalls

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Complete Date/Initial |
|--------|---|--|--------------|----------------|-----------------|---------------------------------|
| 1 | Headwall "A" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 2 | Headwall "A" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 3 | Headwall "A" in NW Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 4 | Headwall "A" Sump in NW Corner | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 5 | Headwall "A" Sump in NW Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 6 | Headwall "B" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 7 | Headwall "B" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 8 | Headwall "B" in NW Corner | Free of tears, penetrations, or thin spots. | S | | | |
| 9 | Headwall "B" in NW Corner Batten Bar | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 10 | Upstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 11 | Upstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 12 | Upstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 13 | Upstream Headwall Sump in NE Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 14 | Downstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 15 | Downstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 16 | Downstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |

TWICE-A-MONTH

Date/Time: 12/8/04 1100 — 1550 Weather Conditions: Sunny 60°
 Inspector(s): R. Brown / D. Pollitt Type of Inspection (Circle One): General Inspection or Following Severe Weather

- 1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- 2. See Appendix A-1, D and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
- 3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1" per hour.
- 4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.4.1 Drainage Channels and 3.4.2 Diversion Berms

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|----------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Interior Y-Channel | Free of tears, penetrations, or thin spots in liner | Satisfactory | | | |
| 2 | Interior Y-Channel | Geotextile fabric free of damages, if exposed | | | | |
| 3 | Interior Y-Channel | Channel free of leaves or debris | | | | |
| 4 | Interior Y-Channel | Free of soft spots or wet areas | | | | |
| 5 | North Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 6 | North Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 7 | North Perimeter Drainage Channel | Channel free of leaves or debris | | | | |
| 8 | North Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 9 | North Channel Emergency Spillway | Free of tears, penetrations, or thin spots in liner | | | | |
| 10 | North Channel Emergency Spillway | Geotextile fabric free of damages, if exposed | | | | |
| 11 | North Channel Emergency Spillway | Channel free of leaves or debris impeding flow | | | | |
| 12 | North Channel Emergency Spillway | Free of soft spots or wet areas | | | | |
| 13 | East Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 14 | East Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 16 | East Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | | | | |
| 16 | East Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 17 | South Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 18 | South Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 19 | South Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | | | | |
| 20 | South Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 21 | West Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | | | | |
| 22 | West Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | | | | |
| 23 | West Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | | | | |
| 24 | West Perimeter Drainage Channel | Free of soft spots or wet areas | | | | |
| 25 | Interior Diversion Berms | Free of tears, penetrations, or thin spots in liner | | | | |
| 26 | Interior Diversion Berms | Geotextile fabric free of damages, if exposed | | | | |
| 27 | Interior Diversion Berms | Free of soft spots or wet areas | | | | |

Note: (1) Indicate which interior diversion berm in the Required Action

TWICE-A-MONTH

Date/Time: 12/8/04 1100 - 1550 Weather Conditions: Sunny 60°
 Inspector(s): R. Brown / A. Pollitt Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2 "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, D and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Reddit Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 mph) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.0 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed to follow a severe weather event will count as an inspection for the spot-check period.

3.5 Articulating Concrete Blocks (AB) System

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 3 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 4 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 7 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of tears, penetrations, or thin spots in liner | S | | | |
| 8 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of ballooning liner/accumulated liquid | S | | | |
| 9 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Flap is tied-in into AB mat blocks | S | | | |
| 10 | Upstream SE Perimeter Channel Dead-Man | Liner free of tears, penetrations, or thin spots | S | | | |

NOTE: (1) The deadman structures at the South and North Inlet of the Interior Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North Inlets. Remove any accumulated liquids (note in the Required Action) proceed with items 11 through 22.

TWICE-A-MONTH

Date/Time: 12/8/04 1300 — 1550 Weather Conditions: Sunny 60°
 Inspector(s): R. Brown / D. Pollitt Type of Inspection (Circle One): General Inspection or Following Severe Weather

- See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
- Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (55 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
- An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

**3.5 Articulating Concrete Blocks (AB) System
(continued)**

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|--|--------------|----------------|-----------------|-------------------------------|
| 11 | Southern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations or thin spots | S | | | |
| 12 | Southern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | | | | |
| 13 | Southern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking >1/16" wide | | | | |
| 14 | Southern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | | | | |
| 15 | Southern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | | | | |
| 16 | Southern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | | | | |
| 17 | Northern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | S | | | |
| 18 | Northern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | | | | |
| 19 | Northern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking >1/16" wide | | | | |
| 20 | Northern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | | | | |
| 21 | Northern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | | | | |
| 22 | Northern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | | | | |

Note: (1) The dead-man structures at the South and North inlet of the Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North Inlets. Remove any accumulated liquids (note in the Required Action) and proceed with inspection items 11 through 22.

Note: (2) Upon repair, reinstall the Geomembrane Liner Flap pursuant to Section 3.5.3.1.

TWICE-A-MONTH

Date/Time: 12/8/04 1100 - 1550

Weather Conditions: Sunny 60°

Inspector(s): R. Brown / D. Pollett

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 O&M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

4.1.1 Principal Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|----------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Riser Pipe | Free of debris and obstructions | S | | | |
| 2 | H-Flume | Free of debris and obstructions | S | | | |
| 3 | H-Flume | Base is free of silt or sediment | S | | | |

4.2 Emergency Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Concrete Pad | Free of debris and obstructions | S | | | |

4.4.3 Y-Channel Outfall

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Outfall Structure | Concrete channel free of debris and obstructions | S | | | |
| 2 | Outfall Structure | Stilling basin free of debris and obstructions | S | | | |
| 3 | Outfall Structure | Tide, weep holes free of debris and obstructions | S | | | |
| 4 | Geomembrane Liner Flap at inlet of the Outfall Structure | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap at inlet of the Outfall Structure | Free of ballooning liner/accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap at inlet of the Outfall Structure | Flap is patterned to the concrete channel | S | | | |
| 7 | Batten at inlet of the Outfall Structure | Free of tears, penetrations, or thin spots | S | | | |

5.2 South Drain Inlet Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|------------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Upstream Headwall | Invert free of debris obstructions | S | | | |
| 2 | Downstream Headwall | Invert free of debris obstructions | S | | | |

TWICE-A-MONTH

Date/Time: 12/29/04 1040 - 1150 Weather Conditions: Cloudy 46°
 Inspector(s): R. Brown / D. Pollitt Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Q and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.2 Headwalls

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Complete Date/Initial |
|--------|---|--|--------------|----------------|-----------------|------------------------------|
| 1 | Headwall "A" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 2 | Headwall "A" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 3 | Headwall "A" in NW Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 4 | Headwall "A" Sump in NW Corner | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 5 | Headwall "A" Sump in NW Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 6 | Headwall "B" in NW Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 7 | Headwall "B" in NW Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 8 | Headwall "B" in NW Corner | Free of tears, penetrations, or thin spots. | S | | | |
| 9 | Headwall "B" in NW Corner Batten Bar | Secure attachment of sump lid cap at liquid collection sump. | S | | | |
| 10 | Upstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 11 | Upstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 12 | Upstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |
| 13 | Upstream Headwall Sump in NE Corner | Free of tears, penetrations, or thin spots in transition of liner to liner connection. | S | | | |
| 14 | Downstream Headwall in NE Corner | Invert free of debris, obstructions, and sediment/silt. | S | | | |
| 15 | Downstream Headwall in NE Corner | Free of ballooning liner at batten bar (indicating accumulated liquids) | S | | | |
| 16 | Downstream Headwall in NE Corner Batten Bar | Free of tears, penetrations, or thin spots. | S | | | |

TWICE-A-MONTH

Date/Time: 12/29/04 1040 - 1530 Weather Conditions: Cloudy 46°
 Inspector(s): R. Brown / D. Pollitt Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Monthly/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, D and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Risk - Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 mph) or greater, approximately 3/4" diameter hail or larger, frequent lightning, and 2.0 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance Inspection performed following a severe weather event will count as an inspection for the specified period.

3.4.1 Drainage Channels and 3.4.2 Diversion Berms

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|----------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Interior Y-Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Interior Y-Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 3 | Interior Y-Channel | Channel free of leaves or debris | S | | | |
| 4 | Interior Y-Channel | Free of soft spots or wet areas | S | | | |
| 5 | North Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 6 | North Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 7 | North Perimeter Drainage Channel | Channel free of leaves or debris | S | | | |
| 8 | North Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 9 | North Channel Emergency Spillway | Free of tears, penetrations, or thin spots in liner | S | | | |
| 10 | North Channel Emergency Spillway | Geotextile fabric free of damages, if exposed | S | | | |
| 11 | North Channel Emergency Spillway | Channel free of leaves or debris impeding flow | S | | | |
| 12 | North Channel Emergency Spillway | Free of soft spots or wet areas | S | | | |
| 13 | East Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 14 | East Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 15 | East Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | S | | | |
| 16 | East Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 17 | South Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 18 | South Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 19 | South Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | S | | | |
| 20 | South Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 21 | West Perimeter Drainage Channel | Free of tears, penetrations, or thin spots in liner | S | | | |
| 22 | West Perimeter Drainage Channel | Geotextile fabric free of damages, if exposed | S | | | |
| 23 | West Perimeter Drainage Channel | Channel free of leaves or debris impeding flow | S | | | |
| 24 | West Perimeter Drainage Channel | Free of soft spots or wet areas | S | | | |
| 25 | Interior Diversion Berms | Free of tears, penetrations, or thin spots in liner | S | | | |
| 26 | Interior Diversion Berms | Geotextile fabric free of damages, if exposed | S | | | |
| 27 | Interior Diversion Berms | Free of soft spots or wet areas | S | | | |

Note: (1) Indicate which interior diversion berm in the Required Action

TWICE-A-MONTH

Date/Time: 12/29/04 1040 - 1530

Weather Conditions: Cloudy 46°

Inspector(s): R. Brown / D. Pollitt

Type of Inspection (Circle One): General Inspection or Following Severe Weather

- 1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- 2. See Appendix A-1, O and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
- 3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.5 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
- 4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.5 Articulating Concrete Blocks (AB) System

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 2 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 3 | Geomembrane Liner Flap - South Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 4 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Free of ballooning liner/accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap - North Y-Channel Inlet (1) | Flap is tied-in into AB mat blocks | S | | | |
| 7 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of tears, penetrations, or thin spots in liner | S | | | |
| 8 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Free of ballooning liner/accumulated liquid | S | | | |
| 9 | Geomembrane Liner Flap - Along Y-Channel at Diversion Berm 6 | Flap is tied-in into AB mat blocks | S | | | |
| 10 | Upstream SE Perimeter Channel Dead-Man | Liner free of tears, penetrations, or thin spots | S | | | |

NOTE: (1) The deadman structures at the South and North Inlet of the interior Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North Inlets. Remove any accumulated liquids (note in the Required Action) proceed with items 11 through 22.

TWICE-A-MONTH

Date/Time: 12/29/04 1040 - 1530 Weather Conditions: Cloudy 46°
 Inspector(s): R. Brown / D. Pollitt Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, or a 2.8 inches or greater rainfall in a 24-hour period or a high-intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

**3.5 Articulating Concrete Blocks (AB) System
(continued)**

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|--|--------------|----------------|-----------------|-------------------------------|
| 11 | Southern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | S | | | |
| 12 | Southern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | | | | |
| 13 | Southern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking >1/16" wide | | | | |
| 14 | Southern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | | | | |
| 15 | Southern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | | | | |
| 16 | Southern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | | | | |
| 17 | Northern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | S | | | |
| 18 | Northern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | | | | |
| 19 | Northern Dead-man at Y-Channel Inlet (2) | Concrete free of cracking >1/16" wide | | | | |
| 20 | Northern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | | | | |
| 21 | Northern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | | | | |
| 22 | Northern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | | | | |

Note: (1) The dead-man structures at the South and North inlet of the Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the Geomembrane Liner Flap shall be opened to inspect the dead-man structures at the South and North inlets. Remove any accumulated liquids (note in the Required Action) and proceed with inspection items 11 through 22.

Note: (2) Upon repair, reinstall the Geomembrane Liner Flap pursuant to Section 3.5.3.1.

TWICE-A-MONTH

Date/Time: 12(28-29)04 1230 — 1530 Weather Conditions: Cloudy 46°
 Inspector(s): R. Brown / D. Pollitt Type of Inspection (Circle One): General Inspection or Following Severe Weather

- See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- See Appendix A-1 CM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-2 "Repair Response Matrix", for response time.
- Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
- An Operator and Maintenance Inspection performed following a severe weather event will count as an inspection for the specified period.

4.1.1 Principal Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|----------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Riser Pipe | Free of debris and obstructions | S | | | |
| 2 | H-Flume | Free of debris and obstructions | S | | | |
| 3 | H-Flume | Base is free of silt or sediment | S | | | |

4.2 Emergency Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Concrete Pad | Free of debris and obstructions | | | | |

4.4.3 Y-Channel Outfall

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Outfall Structure | Concrete channel free of debris and obstructions | S | | | |
| 2 | Outfall Structure | Stilling basin free of debris and obstructions | S | | | |
| 3 | Outfall Structure | 1' dia. weep holes free of debris and obstructions | S | | | |
| 4 | Geomembrane Liner Flap at inlet of the Outfall Structure | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap at Inlet of the Outfall Structure | Free of ballooning liner/accumulated liquid | S | | | |
| 6 | Geomembrane Liner Flap at Inlet of the Outfall Structure | Flap is bolted to the concrete channel | S | | | |
| 7 | Batten at inlet of the Outfall Structure | Free of tears, penetrations, or thin spots | S | | | |

5.2 South Drain Inlet Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|------------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Upstream Headwall | Invert free of debris obstructions | S | | | |
| 2 | Downstream Headwall | Invert free of debris obstructions | S | | | |

TWICE-A-MONTH

Date/Time: 10/25/08 0930-1530

Weather Conditions: Sunny

65°

Inspector(s): R. Brown / D. Pollitt

Type of Inspection (Circle One): General Inspection or Following Severe Weather

- 1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- 2. See Appendix A-1, "CM Requirements Matrix", for repair and/or maintenance requirements and Appendix A-3, "Repair Response Matrix", for response time.
- 3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (56 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
- 4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

4.1.1 Principal Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|----------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Riser Pipe | Free of debris and obstructions | S | | | |
| 2 | H-Flume | Free of debris and obstructions | S | | | |
| 3 | H-Flume | Base is free of silt or sediment | S | | | |

4.2 Emergency Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---------------------------------|--------------|----------------|-----------------|-------------------------------|
| | Concrete Pad | Free of debris and obstructions | | | | |

4.4.3 Y-Channel Outfall

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Outfall Structure | Concrete channel free of debris and obstructions | S | | | |
| 2 | Outfall Structure | Sillings basin free of debris and obstructions | S | | | |
| 3 | Outfall Structure | 1' dia. weep holes free of debris and obstructions | S | | | |
| 4 | Geomembrane Liner Flap at inlet of the Outfall Structure | Free of tears, penetrations, or thin spots in liner | S | | | |
| 5 | Geomembrane Liner Flap at inlet of the Outfall Structure | Free of ballooning liner/accumulated fluid | S | | | |
| 6 | Geomembrane Liner Flap at inlet of the Outfall Structure | Flap is fastened to the concrete channel | S | | | |
| 7 | Batten at inlet of the Outfall Structure | Free of tears, penetrations, or thin spots | S | | | |

5.2 South Drain Inlet Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--------------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Upstream Headwall | inverted free of debris obstructions | S | | | |
| 2 | Downstream Headwall | inverted free of debris obstructions | S | | | |

MONTHLY INSPECTION

Date/Time: 11/29/04 1025-1350 Weather Conditions: Fair 24°
 Inspector(s): R. Brown Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, "OM Requirements Matrix" for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 30 knots (55 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An OM inspection performed following a severe weather event will count as an inspection for the specified period.

3.1 Geomembrane Liner

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|----------------------------------|
| 1 | IRP Cap1 | Free of tears, penetrations, or thin spots in 45-mil reinforced polypropylene (liner). | S | | | |
| 2 | IRP Cap1 | Sealed factory seams via visual site walk. | S | | | |
| 3 | IRP Cap1 | Free of soft spots or wet areas | S | | | |
| 4 | Geomembrane Liner Boots 2 (83) | Free of tears, penetrations, or thin spots in transition of liner to liner boots | S | | | |
| 5 | Geomembrane Liner Boots 2 (83) | Free of liner fatigue, accumulated liquids, settlement, etc. at the sump extension | S | | | |
| 6 | Sump Extension2 (83) | Free of tears, penetrations, or thin spots in transition of liner to liner boots | S | | | |
| 7 | Sump Extension2 (83) | Integrity of sump lid | S | | | |
| 8 | Sump Extension2 (83) | Integrity of geomembrane liner boots | S | | | |
| 9 | Data Logger2 | Integrity of data logger system in extended sump | S | | | |

Note: 1) For repairs, see Appendix C-1 for the 45-mil reinforced polypropylene repair procedure. 2) Indicate sump extension identification in Required Action. See Appendix C-2 for sump lid and data logger removable/re-installation procedure, calibrate the data logger (if required) in accordance with Appendix E-3. 3) If settlement, see Appendix C-4 for the repair procedure detailed documentation.

3.3 Subsidence

| Number | OM Item | Inspection Item | Approximate Water Depth (inches) | Approximate Area (SF) | Required Action | Action Completed Date/Initial |
|--------|-----------------------|---|---|--------------------------|-----------------|----------------------------------|
| 1 | Subsidence Monitoring | Document any subsidence area / panel # <u>24-10-105</u> | NO CHANGE FROM LAST MEASUREMENTS | | | |
| 2 | Subsidence Monitoring | Document any subsidence area / panel # <u>47-31</u> | | | | |
| 3 | Subsidence Monitoring | Document any subsidence area / panel # | | | | |
| 4 | Subsidence Monitoring | Document any subsidence area / panel # | | | | |
| 5 | Subsidence Monitoring | Document any subsidence area / panel # | | | | |
| 6 | Subsidence Monitoring | Document any subsidence area / panel # | | | | |
| 7 | Subsidence Monitoring | Document any subsidence area / panel # | | | | |
| 8 | Subsidence Monitoring | Document any subsidence area / panel # | | | | |
| 9 | Subsidence Monitoring | Document any subsidence area / panel # | | | | |
| 10 | Subsidence Monitoring | Document any subsidence area / panel # | | | | |

Note: 1) See Appendix C-4 for repair procedure and detailed documentation.

MONTHLY INSPECTION

Date/Time: 1/29/04 1025-1350 Weather Conditions: Fair 24°

Inspector(s): R. Brown Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Two-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Real Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: alligators, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An OM inspection performed following a severe weather event will count as an inspection for the specified period.

3.4 Anchorage Trenches

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|-------------------------------|---|--------------|----------------|-----------------|----------------------------------|
| 1 | Interior Anchor Trenches | Free of pull out liner | S | | | |
| 2 | Interior Anchor Trenches | Free of tears, perforations, or thin spots in liner | S | | | |
| 3 | Interior Anchor Trenches | Geotextile fabric free of damages, if exposed | S | | | |
| 4 | Interior Anchor Trenches | Free of soft spots or wet areas | S | | | |
| 6 | North Perimeter Anchor Trench | Free of pull out liner | S | | | |
| 8 | North Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | S | | | |
| 7 | North Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | S | | | |
| 8 | North Perimeter Anchor Trench | Free of soft spots or wet areas | S | | | |
| 9 | East Perimeter Anchor Trench | Free of pull out liner | S | | | |
| 10 | East Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | S | | | |
| 11 | East Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | S | | | |
| 12 | East Perimeter Anchor Trench | Free of soft spots or wet areas | S | | | |
| 13 | South Perimeter Anchor Trench | Free of pull out liner | S | | | |
| 14 | South Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | S | | | |
| 15 | South Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | S | | | |
| 16 | South Perimeter Anchor Trench | Free of soft spots or wet areas | S | | | |
| 17 | West Perimeter Anchor Trench | Free of pull out liner | S | | | |
| 18 | West Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | S | | | |
| 19 | West Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | S | | | |
| 20 | West Perimeter Anchor Trench | Free of soft spots or wet areas | S | | | |

Note: 1. Indicate which interior anchor trench in the Required Action.

MONTHLY INSPECTION

Date/Time: 1/29/04 1025-1350

Weather Conditions: _____

Fair 21°

Inspector(s): R. Brown

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Two-to-Four-Monthly/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater; approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An OM inspection performed following a severe weather event will count as an inspection for the specified period.

3.5 Articulating Concrete Blocks (AB) System

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|-------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | North Perimeter Channel | Free of broken concrete blocks | Satisfactory | | | |
| 2 | North Perimeter Channel | Liner free of tears, penetrations, or thin spots | | | | |
| 3 | North Perimeter Channel | Free of vegetative growth impeding channel flow | | | | |
| 4 | North Perimeter Channel | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | | | | |
| 5 | North Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side, 1 clamp on the short side) | | | | |
| 6 | East Perimeter Channel | Free of broken concrete blocks | | | | |
| 7 | East Perimeter Channel | Liner free of tears, penetrations, or thin spots | | | | |
| 8 | East Perimeter Channel | Free of vegetative growth which decreases channel capacity | | | | |
| 9 | East Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side, 1 clamp on the short side) | | | | |
| 10 | SE Perimeter Channel | Free of broken concrete blocks | | | | |
| 11 | SE Perimeter Channel | Liner free of tears, penetrations, or thin spots | | | | |
| 12 | SE Perimeter Channel | Free of vegetative growth which decreases channel capacity | | | | |
| 13 | SE Perimeter Channel | Cementitious fill material free of dead-man is free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | | | | |
| 14 | SE Perimeter Channel | Cementitious fill material in the corner is free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | | | | |
| 15 | SE Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side, 1 clamp on the short side) | | | | |
| 16 | Interior Y-Channel | Free of broken concrete blocks | | | | |
| 17 | Interior Y-Channel | Liner free of tears, penetrations, or thin spots | | | | |
| 18 | Interior Y-Channel | Free of vegetative growth impeding channel flow | | | | |
| 19 | Interior Y-Channel | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | | | | |
| 20 | Interior Y-Channel | Steel clamps connecting the AB mats (3 clamps on the long side, 1 clamp on the short side) | | | | |

MONTHLY INSPECTION

Date/Time: 1/29/04 0905 - 1350 Weather Conditions: Fair 21°
 Inspector(s): R. Brown Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspector Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An OM inspection performed following a severe weather event will count as an inspection for the specified period.

3.6 Northeast Corner Piping

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|-------------------|--|--------------|----------------|-----------------|----------------------------------|
| 1 | Manhole # 1 | Manhole lid secure attached and flush with ground surface | S | | | |
| 2 | Manhole # 2 | Manhole lid secure attached and flush with ground surface | S | | | |
| 3 | Upstream Headwall | Headwall invert/culvert (trash grate/restricting plate) free of debris | S | | | |
| 4 | Upstream Headwall | Headwall invert/culvert free of debris | S | | | |

3.7 Former Leachate Storage Facility Area

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|----------------------------------|
| 1 | LSF Tank 1 (1) | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 2 | LSF Tank 1 (2) | Free of liner fatigue, accumulated liquids, settlement, et. at sump extension | S | | | |
| 3 | LSF Tank 2 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 4 | LSF Tank 2 (2) | Free of liner fatigue, accumulated liquids, settlement, et. at sump extension | S | | | |
| 5 | LSF Tank 3 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 6 | LSF Tank 3 (2) | Free of liner fatigue, accumulated liquids, settlement, et. at sump extension | S | | | |
| 7 | LSF Tank 4 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 8 | LSF Tank 4 (2) | Free of liner fatigue, accumulated liquids, settlement, et. at sump extension | S | | | |
| 9 | Rectifier Box for the Cathodic Protection System | Record the Direct Current Reading <u>Pos 7.0</u> | S | | | |
| 10 | Rectifier Box for the Cathodic Protection System | Record the Amps Output Reading <u>Neg 1.85</u> | S | | | |

Notes: 1) Opening of LSF Tank 1 access vent riser shall be in accordance with the Commonwealth Procedures. 2) If settlement, see Appendix C-4 for the repair procedure detailed documentation.

MONTHLY INSPECTION

Date/Time: 1/28/04 1300 - 1400 Weather Conditions: Clear 19°

Inspector(s): R. Brown Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual), and following severe weather.
2. See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rain/fall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An OM inspection performed following a severe weather event will count as an inspection for the specified period.

Free of debris

4.1 Principal Spillway

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------|--|--------------|----------------|-----------------|----------------------------------|
| 1 | Ultrasonic Flow Recorder | Calibrated reading measurement compares with staff gauge measurement | S | | | |
| 2 | Riprap | Free of debris | S | | | |
| 3 | Riprap | Free of riprap washout compromising side-slopes | S | | | |
| 4 | Riprap | If exposed, geotextile fabric free of damages | S | | | |
| 5 | Riprap | Free of silt/sediment accumulation >3 inches | S | | | |

4.2 Emergency Spillway

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|------------------------|--|--------------|----------------|-----------------|----------------------------------|
| 1 | Gablon Basket System 1 | Free of debris | S | | | |
| 2 | Gablon Basket System 1 | Free of riprap washout compromising integrity of basket system | S | | | |

Note: 1) To maintain integrity, a spray rust preventative product may be used on an as needed basis note in the Required Action.

4.3 Embankment

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|------------|--------------------------------------|--------------|----------------|-----------------|----------------------------------|
| 1 | Embankment | Slide-slopes free of debris | S | | | |
| 2 | Embankment | Slide-slopes free of erosion gullies | S | | | |
| 3 | Embankment | Free of eroded areas | S | | | |

MONTHLY INSPECTION

Date/Time: 1/28/04 1300 - 1530 Weather Conditions: Clear 19°
 Inspector(s): R. Brown Type of Inspection (Circle One) General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-4 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An OM inspection performed following a severe weather event will count as an inspection for the specified period.

4.4 Basin Area

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|------------------------|---|--------------|----------------|-----------------|----------------------------------|
| 1 | Riprap | Free of debris | Satisfactory | | | |
| 2 | Riprap | Free of riprap washout compromising side-slopes | | | | |
| 3 | Riprap | If exposed, geotextile fabric free of damages | | | | |
| 4 | Riprap | Free of silt / sediment accumulation >3 inches | | | | |
| 5 | Gabion Basket System 1 | Free of debris | | | | |
| 6 | Gabion Basket System 1 | Free of riprap washout compromising basket system | | | | |

Note: 1) To maintain integrity, a spray rust preventative product may be used on an as needed basis note in the Required Action.

5.2 South Drain Inlet Area

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|------------------------|---|--------------|----------------|-----------------|----------------------------------|
| 1 | Riprap | Free of debris | Satisfactory | | | |
| 2 | Riprap | No riprap washout compromising side-slopes | | | | |
| 3 | Gabion Basket System 1 | Free of debris | | | | |
| 4 | Gabion Basket System 1 | Free of riprap washout compromising basket system | | | | |

Note: 1) To maintain integrity, a spray rust preventative product may be used on an as needed basis note in the Required Action.

6.1 SE Cap Geomembrane Liner

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|-------------------|--|--------------|----------------|-----------------|----------------------------------|
| 1 | Geomembrane Liner | Free of exposed liner in turf | Satisfactory | | | |
| 2 | Geomembrane Liner | If liner is exposed, free of penetrations/tears/thin spots | | | | |

6.2 SE Cap Turf

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|---------|------------------------------------|--------------|----------------|-----------------|----------------------------------|
| 1 | Turf | Free of eroded areas | Satisfactory | | | |
| 2 | Turf | Free of erosion gullies | | | | |
| 3 | Turf | Free of signs of burrowing animals | | | | |

MONTHLY INSPECTION

Date/Time: 1/28/04 1300-1530

Weather Conditions: Clear 19°

Inspector(s): R. Brown

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 60 knots (68 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An OM inspection performed following a severe weather event will count as an inspection for the specified period.

6.3 SE Cap Riprap Outlet

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|---------------|---|--------------|----------------|-----------------|----------------------------------|
| 1 | Riprap Outlet | Free of riprap washout compromising side-slopes | S | | | |
| 2 | Riprap | If exposed, geocomposite drainage net free of damages | S | | | |
| 3 | Riprap Outlet | Free of debris | S | | | |

6.4 SE Cap Tie-In

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|----------------|---|--------------|----------------|-----------------|----------------------------------|
| 1 | IRP Cap Tie-in | Transition of the IRP Cap with Southeast Cap Intact / Free of line pull out | S | | | |

7.1 MFDS Roadways

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|-------------------------|----------------------------|--------------|----------------|-----------------|----------------------------------|
| 1 | Site Access Roadway | Free of ruts and pot holes | Satisfactory | | | |
| 2 | Site Access Roadway | No aggregate wash-out | | | | |
| 3 | North Perimeter Roadway | Free of ruts and pot holes | | | | |
| 4 | North Perimeter Roadway | No aggregate wash-out | | | | |
| 5 | East Perimeter Roadway | Free of ruts and pot holes | | | | |
| 6 | East Perimeter Roadway | No aggregate wash-out | | | | |
| 7 | South Perimeter Roadway | Free of ruts and pot holes | | | | |
| 8 | South Perimeter Roadway | No aggregate wash-out | | | | |
| 9 | West Perimeter Roadway | Free of ruts and pot holes | | | | |
| 10 | West Perimeter Roadway | No aggregate wash-out | | | | |

7.2 MFDS Security

| Number | OM Item | Inspection Item | Product Name | Action Completed Date/Initial |
|--------|-----------------------------------|-----------------|--------------------------------------|----------------------------------|
| | North Perimeter Fence Site Access | Oil Hinges | | |
| 2 | IRP Cap Perimeter Fence (1) | Oil hinges | 10W 30 motor oil 10W 30 motor oil | |

MONTHLY INSPECTION

Date/Time: 1/28/04 1300 - 1530 Weather Conditions: Clear 19°

Inspector(s): R. Brown Type of Inspection (Circle One) General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix" for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An OM inspection performed following a severe weather event will count as an inspection for the specified period.

7.5 Samplers

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------|--|--------------|----------------|-----------------|----------------------------------|
| 1 | Samplers (1) | Portable samplers free of damages | S | | | |
| 2 | Samplers (1) | Locations according to Figures 7-1 and 7-2 | S | | | |

Note: 1) Indicate sampler identification in Required Action

7.7 Liquids

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|------------------------------|-----------------------------|--------------|----------------|-----------------|----------------------------------|
| 1 | Headwall Sumps (1) | Free of accumulated liquids | S | | | |
| 2 | Sluicelined Areas (If Any) 2 | Free of accumulated liquids | S | | | |
| 3 | Around MFDS (3) | Free of accumulated liquids | S | | | |

Note: 1) Indicate headwall sump identification in Required Action. 2) Indicate liner panel location or area of IRP Cap in Required Action. 3) Indicate location in Required Action.

7.9 Miscellaneous Turf Area

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|-------------------------------------|----------------------------------|--------------|----------------|-----------------|----------------------------------|
| 1 | Borrow Pit - Turf (1) | Free of eroded areas | S | | | |
| 2 | Borrow Pit - Turf (1) | Free of erosion gullies | S | | | |
| 3 | Borrow Pit - Turf (1) | Free of debris along side-slopes | S | | | |
| 4 | Stockpile Pit - Turf (1) | Free of eroded areas | S | | | |
| 5 | Stockpile Pit - Turf (1) | Free of erosion gullies | S | | | |
| 6 | Stockpile Pit - Turf (1) | Free of debris along side-slopes | S | | | |
| | Areas around the IRP Cap - Turf (1) | Free of eroded areas | S | | | |
| | Areas around the IRP Cap - Turf (1) | Free of erosion gullies | S | | | |
| | Areas around the IRP Cap - Turf (1) | Free of debris along side-slopes | S | | | |

Note: 1) Indicate designated area (Figure 7-4) in Required Action

MONTHLY INSPECTION

Date/Time: 2/26/04 1030 - 1350 Weather Conditions: Fair 35°
 Inspector(s): R. Brown Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, "OM Requirement's Matrix" for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (50 m.p.h. per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An OM inspection performed following a severe weather event will count as an inspection for the specified sector.

3.1 Geomembrane Liner

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|----------------------------------|
| 1 | IRP Cap1 | Free of tears, penetrations, or thin spots in 45-mil reinforced polypropylene (liner). | S | | | |
| 2 | IRP Cap1 | Sealed factory seams via visual site walk. | S | | | |
| 3 | IRP Cap1 | Free of soft spots or wet areas | S | | | |
| 4 | Geomembrane Liner Boots 2 (83) | Free of tears, penetrations, or thin spots in transition of liner to liner boots | S | | | |
| 5 | Geomembrane Liner Boots 2 (83) | Free of liner fatigue, accumulated liquids, settlement, etc. at the sump extensor | S | | | |
| 6 | Sump Extension2 (83) | Free of tears, penetrations, or thin spots in transition of liner to liner boots | S | | | |
| 7 | Sump Extension2 (83) | Integrity of sump lid | S | | | |
| 8 | Sump Extension2 (83) | Integrity of geomembrane liner boots | S | | | |
| 9 | Data Logger2 | Integrity of data logger system in extended sump | S | | | |

Note: 1) For repairs, see Appendix C-1 for the 45-mil reinforced polypropylene repair procedure. 2) Indicate sump extension identification in Required Action. See Appendix C-2 for sump lid and data logger removable/installation procedure, calibrate the data logger (if required) in accordance with Appendix E-3. 3) If settlement, see Appendix C-4 for the repair procedure detailed documentation.

3.3 Subsidence

| Number | OM Item | Inspection Item | Approximate Water Depth (inches) | Approximate Area (SF) | Required Action | Action Completed Date/Initial |
|--------|-----------------------|--|--|-----------------------------------|-----------------|----------------------------------|
| 1 | Subsidence Monitoring | Document any subsidence area / panel # <u>102-98</u> | <u>1 1/2</u> | | | |
| 2 | Subsidence Monitoring | Document any subsidence area / panel # <u>98-31</u> | <u>3/4</u> | <u>late Depedia almost dry</u> | | |
| 3 | Subsidence Monitoring | Document any subsidence area / panel # | | <u>South of TR 39-3 → dry now</u> | | |
| 4 | Subsidence Monitoring | Document any subsidence area / panel # | | | | |
| 5 | Subsidence Monitoring | Document any subsidence area / panel # | | | | |
| 6 | Subsidence Monitoring | Document any subsidence area / panel # | | | | |
| 7 | Subsidence Monitoring | Document any subsidence area / panel # | | | | |
| 8 | Subsidence Monitoring | Document any subsidence area / panel # | | | | |
| 9 | Subsidence Monitoring | Document any subsidence area / panel # | | | | |
| 10 | Subsidence Monitoring | Document any subsidence area / panel # | | | | |

Note: 1) See Appendix C-4 for repair procedure and detailed documentation.

MONTHLY INSPECTION

Date/Time: 2/26/04 1030 - 1350 Weather Conditions: Cloudy 34°
 Inspector(s): R. Brown Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An OM inspection performed following a severe weather event will count as an inspection for the specified period.

3.4 Anchorage Trenches

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|-------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Interior Anchor Trenches | Free of pull out liner | + | - | | |
| 2 | Interior Anchor Trenches | Free of tears, perforations, or thin spots in liner | + | - | | |
| 3 | Interior Anchor Trenches | Geotextile fabric free of damages, if exposed | + | - | | |
| 4 | Interior Anchor Trenches | Free of soft spots or wet areas | + | - | | |
| 5 | North Perimeter Anchor Trench | Free of pull out liner | + | - | | |
| 6 | North Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | + | - | | |
| 7 | North Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | + | - | | |
| 8 | North Perimeter Anchor Trench | Free of soft spots or wet areas | + | - | | |
| 9 | East Perimeter Anchor Trench | Free of pull out liner | + | - | | |
| 10 | East Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | + | - | | |
| 11 | East Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | + | - | | |
| 12 | East Perimeter Anchor Trench | Free of soft spots or wet areas | + | - | | |
| 13 | South Perimeter Anchor Trench | Free of pull out liner | + | - | | |
| 14 | South Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | + | - | | |
| 15 | South Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | + | - | | |
| 16 | South Perimeter Anchor Trench | Free of soft spots or wet areas | + | - | | |
| 17 | West Perimeter Anchor Trench | Free of pull out liner | + | - | | |
| 18 | West Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | + | - | | |
| 19 | West Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | + | - | | |
| 20 | West Perimeter Anchor Trench | Free of soft spots or wet areas | + | - | | |

Note: 1. Indicate which Interior anchor trench in the Required Action.

MONTHLY INSPECTION

Date/Time: 2/19/04 1240 - 1400 Weather Conditions: Fair 40°
 Inspector(s): R. Brown / D. Pollitt Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspector Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Recall Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An OM inspection performed following a severe weather event will count as an inspection for the specified period.

3.5 Articulating Concrete Blocks (AB) System

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed <small>Date/Initial</small> |
|--------|-------------------------|--|--------------|----------------|-----------------|---|
| 1 | North Perimeter Channel | Free of broken concrete blocks | | | | |
| 2 | North Perimeter Channel | Liner free of tears, penetrations, or thin spots | | | | |
| 3 | North Perimeter Channel | Free of vegetative growth impeding channel flow | | | | |
| 4 | North Perimeter Channel | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | | | | |
| 5 | North Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side, 1 clamp on the short side) | | | | |
| 6 | East Perimeter Channel | Free of broken concrete blocks | | | | |
| 7 | East Perimeter Channel | Liner free of tears, penetrations, or thin spots | | | | |
| 8 | East Perimeter Channel | Free of vegetative growth which decreases channel capacity | | | | |
| 9 | East Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side, 1 clamp on the short side) | | | | |
| 10 | SE Perimeter Channel | Free of broken concrete blocks | | | | |
| 11 | SE Perimeter Channel | Liner free of tears, penetrations, or thin spots | | | | |
| 12 | SE Perimeter Channel | Free of vegetative growth which decreases channel capacity | | | | |
| 13 | SE Perimeter Channel | Cementitious fill material free of dead-man is free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | | | | |
| 14 | SE Perimeter Channel | Cementitious fill material in the corner is free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | | | | |
| 15 | SE Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side, 1 clamp on the short side) | | | | |
| 16 | Interior Y-Channel | Free of broken concrete blocks | | | | |
| 17 | Interior Y-Channel | Liner free of tears, penetrations, or thin spots | | | | |
| 18 | Interior Y-Channel | Free of vegetative growth impeding channel flow | | | | |
| 19 | Interior Y-Channel | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | | | | |
| 20 | Interior Y-Channel | Steel clamps connecting the AB mats (3 clamps on the long side, 1 clamp on the short side) | | | | |

Satisfactory in all instances

MONTHLY INSPECTION

Date/Time: 2/19/04 1340-1400 Weather Conditions: Fair 40°
 Inspector(s): R. Brown / D. Pollitt Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix," for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix," for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (68 miles per hour), or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.26 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An CM inspection performed following a severe weather event will count as an inspection for the specified period.

3.6 Northeast Corner Piping

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|-------------------|--|--------------|----------------|-----------------|----------------------------------|
| 1 | Manhole # 1 | Manhole lid secure attached and flush with ground surface | S | | | |
| 2 | Manhole # 2 | Manhole lid secure attached and flush with ground surface | S | | | |
| 3 | Upstream Headwall | Headwall Invert/culvert (trash grate/restricting plate) free of debris | S | | | |
| 4 | Upstream Headwall | Headwall Invert/culvert free of debris | S | | | |

3.7 Former Leachate Storage Facility Area

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|----------------------------------|
| 1 | LSF Tank 1 (1) | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 2 | LSF Tank 1 (2) | Free of liner fatigue, accumulated liquids, settlement, et. at sump extension | S | | | |
| 3 | LSF Tank 2 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 4 | LSF Tank 2 (2) | Free of liner fatigue, accumulated liquids, settlement, et. at sump extension | S | | | |
| 5 | LSF Tank 3 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 6 | LSF Tank 3 (2) | Free of liner fatigue, accumulated liquids, settlement, et. at sump extension | S | | | |
| 7 | LSF Tank 4 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 8 | LSF Tank 4 (2) | Free of liner fatigue, accumulated liquids, settlement, et. at sump extension | S | | | |
| 9 | Rectifier Box for the Cathodic Protection System | Record the Direct Current Reading <u>7.0</u> | S | | | |
| 10 | Rectifier Box for the Cathodic Protection System | Record the Amps Output Reading <u>1.8</u> | S | | | |

Notes: 1) Opening of LSF Tank 1 access vent riser shall be in accordance with the Commonwealth Procedures. 2) If settlement, see Appendix C-4 for the repair procedure detailed documentation.

MONTHLY INSPECTION

Date/Time: 2/19/04 1240-530 Weather Conditions: Fair 40°

Inspector(s): R. Brown / D. Pollitt Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 OM Requirements Matrix for recording/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 60 knots (56 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An OM inspection performed following a severe weather event will count as an inspection for the specified period.

Free of debris

4.1 Principal Spillway

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------|--|--------------|----------------|-----------------|----------------------------------|
| 1 | Ultrasonic Flow Recorder | Calibrated reading measurement compares with staff gauge measurement | S | | | |
| 2 | Riprap | Free of debris | | | | |
| 3 | Riprap | Free of riprap washout compromising side-slopes | | | | |
| 4 | Riprap | If exposed, geotextile fabric free of damages | | | | |
| 5 | Riprap | Free of silt/sediment accumulation >3 inches | | | | |

4.2 Emergency Spillway

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|------------------------|--|--------------|----------------|-----------------|----------------------------------|
| 1 | Gabion Basket System 1 | Free of debris | S | | | |
| 2 | Gabion Basket System 1 | Free of riprap washout compromising integrity of basket system | | | | |

Note: 1) To maintain integrity, a spray rust preventative product may be used on an as needed basis note in the Required Action.

4.3 Embankment

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|------------|--------------------------------------|--------------|----------------|-----------------|----------------------------------|
| 1 | Embankment | Slide-slopes free of debris | S | | | |
| 2 | Embankment | Slide-slopes free of erosion gullies | | | | |
| 3 | Embankment | Free of eroded areas | | | | |

MONTHLY INSPECTION

Date/Time: 2/27/04 1040-1145 Weather Conditions: Fair 46°

Inspector(s): R. Brown / T. Stewart Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2 "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring ED knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An OM inspection performed following a severe weather event will count as an inspection for the specified period.

4.4 Basin Area

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Riprap | Free of debris | S | | | |
| 2 | Riprap | Free of riprap washout compromising side-slopes | S | | | |
| 3 | Riprap | If exposed, geotextile fabric free of damages | S | | | |
| 4 | Riprap | Free of silt / sediment accumulation >3 inches | S | | | |
| 5 | Gabion Basket System 1 | Free of debris | S | | | |
| 6 | Gabion Basket System 1 | Free of riprap washout compromising basket system | S | | | |

Note: 1) To maintain integrity, a spray rust preventative product may be used on an as needed basis note in the Required Action.

5.2 South Drain Inlet Area

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Riprap | Free of debris | S | | | |
| 2 | Riprap | No riprap washout compromising side-slopes | S | | | |
| 3 | Gabion Basket System 1 | Free of debris | S | | | |
| 4 | Gabion Basket System 1 | Free of riprap washout compromising basket system | S | | | |

Note: 1) To maintain integrity, a spray rust preventative product may be used on an as needed basis note in the Required Action.

6.1 SE Cap Geomembrane Liner

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|-------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Geomembrane Liner | Free of exposed liner in turf | S | | | |
| 2 | Geomembrane Liner | If liner is exposed, free of penetrations/tears/thin spots | S | | | |

6.2 SE Cap Turf

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|---------|------------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Turf | Free of eroded areas | S | | | |
| 2 | Turf | Free of erosion gullies | S | | | |
| 3 | Turf | Free of signs of burrowing animals | S | | | |

MONTHLY INSPECTION

Date/Time: 2/26/04 1240-1350 Weather Conditions: Fair 34°

Inspector(s): R. Brown Type of Inspection (Circle One) General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspect or Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a 1" or greater intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An OM inspection performed following a severe weather event will count as an inspection for the specified period.

6.3 SE Cap Riprap Outlet

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|---------------|---|--------------|----------------|-----------------|----------------------------------|
| 1 | Riprap Outlet | Free of riprap washout compromising side slopes | S | | | |
| 2 | Riprap | If exposed, geocomposite drainage net free of camages | S | | | |
| 3 | Riprap Outlet | Free of debris | S | | | |

6.4 SE Cap Tie-In

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|----------------|--|--------------|----------------|-----------------|----------------------------------|
| 1 | IRP Cap Tie-In | Transition of the IRP Cap with Southeast Cap Intact/Free of liner pull out | S | | | |

7.1 MFDS Roadways

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|-------------------------|----------------------------|--------------|----------------|-----------------|----------------------------------|
| 1 | Site Access Roadway | Free of ruts and pot holes | S | | | |
| 2 | Site Access Roadway | No aggregate wash-out | S | | | |
| 3 | North Perimeter Roadway | Free of ruts and pot holes | S | | | |
| 4 | North Perimeter Roadway | No aggregate wash-out | S | | | |
| 5 | East Perimeter Roadway | Free of ruts and pot holes | S | | | |
| 6 | East Perimeter Roadway | No aggregate wash-out | S | | | |
| 7 | South Perimeter Roadway | Free of ruts and pot holes | S | | | |
| 8 | South Perimeter Roadway | No aggregate wash-out | S | | | |
| 9 | West Perimeter Roadway | Free of ruts and pot holes | S | | | |
| 10 | West Perimeter Roadway | No aggregate wash-out | S | | | |

7.2 MFDS Security

| Number | OM Item | Inspection Item | Product Name | Action Completed Date/Initial |
|--------|-----------------------------------|-----------------|--|----------------------------------|
| 1 | North Perimeter Fence Site Access | Oil hinges | | |
| 2 | IRP Cap Perimeter Fence (1) | Oil hinges | <u>Pentoil 10W30</u> <u>Pentoil 10W30</u> | |

MONTHLY INSPECTION

Date/Time: 2/27/04 1040-1145 Weather Conditions: Fair 40°
 Inspector(s): R. Brown / T. Stewart Type of Inspection (Circle One) General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Rebal Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, hurricanes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An OM inspection performed following a severe weather event will count as an inspection for the specified period.

7.5 Samplers

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------|--|--------------|----------------|-----------------|----------------------------------|
| 1 | Samplers (1) | Portable samplers free of damages | S | | | |
| 2 | Samplers (1) | Locations according to Figures 7-1 and 7-2 | S | | | |

Note: 1) Indicate sampler identification in Required Action

7.7 Liquids

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------|-----------------------------|--------------|----------------|-----------------|----------------------------------|
| 1 | Headwall Sumps (1) | Free of accumulated liquids | S | | | |
| 2 | Sludged Areas (if Any) 2 | Free of accumulated liquids | S | | | |
| 3 | Around MFDS (3) | Free of accumulated liquids | S | | | |

Note: 1) Indicate headwall sump identification in Required Action. 2) Indicate liner panel location or area of IRP Cap in Required Action. 3) Indicate location in Required Action.

7.9 Miscellaneous Turf Area

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|-------------------------------------|----------------------------------|--------------------------------------|----------------|-----------------|----------------------------------|
| 1 | Borrow Pit - Turf (1) | Free of eroded areas | S S S S S S S S | | | |
| 2 | Borrow Pit - Turf (1) | Free of erosion gullies | | | | |
| 3 | Borrow Pit - Turf (1) | Free of debris along side-slopes | | | | |
| 4 | Stockpile Pit - Turf (1) | Free of eroded areas | | | | |
| 5 | Stockpile Pit - Turf (1) | Free of erosion gullies | | | | |
| 6 | Stockpile Pit - Turf (1) | Free of debris along side-slopes | | | | |
| | Areas around the IRP Cap - Turf (1) | Free of eroded areas | | | | |
| | Areas around the IRP Cap - Turf (1) | Free of erosion gullies | | | | |
| | Areas around the IRP Cap - Turf (1) | Free of debris along side-slopes | | | | |

Note: 1) Indicate designated area (Figure 7-4) in Required Action

MONTHLY INSPECTION

Date/Time: 3/8/04 1020 - 1350 Weather Conditions: Cloudy 39°
 Inspector(s): R. Brown / T. Stewart Type of Inspection (Circle One): General Inspection or Following Sever Weather *

1. See Appendix A-2 "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following sever weather.
2. See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Sever Weather conditions include, but not limited to: the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (60 mph per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and .25 inches or greater rainfall in a 24 hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An OM inspection performed following a sever weather event will count as an inspect on for the specified period.

3.1 Geomembrane Liner

| Number | OM Item | Inspection Item | Status | | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|----------------------------------|
| | | | Satisfactory | Unsatisfactory | | |
| 1 | IRP Cap1 | Free of tears, penetrations, or thin spots in 45-mil reinforced polypropylene (liner). | S | | | |
| 2 | IRP Cap1 | Sealed factory seams via visual site walk. | S | | | |
| 3 | IRP Cap1 | Free of soft spots or wet areas | S | | | |
| 4 | Geomembrane Liner Boots 2 (83) | Free of tears, penetrations, or thin spots in transition of liner to liner boots | S | | | |
| 5 | Geomembrane Liner Boots 2 (83) | Free of liner fatigue, accumulated liquids, settlement, etc. at the sump extension | S | | | |
| 6 | Sump Extension2 (83) | Free of tears, penetrations, or thin spots in transition of liner to liner boots | S | | | |
| 7 | Sump Extension2 (83) | Integrity of sump lid | S | | | |
| 8 | Sump Extension2 (83) | Integrity of geomembrane liner boots | S | | | |
| 9 | Data Logger2 | Integrity of data logger system in extended sump | S | | | |

Note: 1) For repairs, see Appendix C-1 for the 45-mil reinforced polypropylene repair procedure. 2) Indicate sump extension identification in Required Action. See Appendix C-2 for sump lid and data logger removable/re-installation procedure. Calibrate the data logger (if required) in accordance with Appendix E-3. 3) If settlement, see Appendix C-4 for the repair procedure detailed documentation.

3.3 Subsidence

| Number | OM Item | Inspection Item | Approximate Water Depth (inches) | Approximate Area (SF) | Required Action | Action Completed Date/Initial |
|--------|-----------------------|---|--|--------------------------|------------------------|----------------------------------|
| | | | | | | |
| 2 | Subsidence Monitoring | Document any subsidence area / panel # <u>48-31</u> | <u>35 ft</u> | <u>50 ft long</u> | <u>South of TR 373</u> | |
| 3 | Subsidence Monitoring | Document any subsidence area / panel # | | | | |
| 4 | Subsidence Monitoring | Document any subsidence area / panel # | | | | |
| 5 | Subsidence Monitoring | Document any subsidence area / panel # | | | | |
| 6 | Subsidence Monitoring | Document any subsidence area / panel # | | | | |
| 7 | Subsidence Monitoring | Document any subsidence area / panel # | | | | |
| 8 | Subsidence Monitoring | Document any subsidence area / panel # | | | | |
| 9 | Subsidence Monitoring | Document any subsidence area / panel # | | | | |
| 10 | Subsidence Monitoring | Document any subsidence area / panel # | | | | |

Note: 1) See Appendix C-4 for repair procedure and detailed documentation.

* Received 2.22 inches of rain 3/5/04

MONTHLY INSPECTION

Date/Time: 3/8/04 1020 - 1350
 Inspector(s): R. Brown / T. Stewart

Weather Conditions: Cloudy 39°
 Type of Inspection (Circle One): General Inspection or Following **Severe Weather** *

1. See Appendix A 2, "Inspection Frequency Matrix" for type of inspection and frequency (Daily/Weekly/ Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 CM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Hazard Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An CM inspection performed following a severe weather event will count as an inspection for the specified period.

3.4 Anchorage Trenches

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|-------------------------------|--|---|----------------|-----------------|----------------------------------|
| 1 | Interior Anchor Trenches | Free of pull out liner | S S S S S S S S S S S S S S S S S S S | | | |
| 2 | Interior Anchor Trenches | Free of tears, punctures, or thin spots in liner | | | | |
| 3 | Interior Anchor Trenches | Geotextile fabric free of damages, if exposed | | | | |
| 4 | Interior Anchor Trenches | Free of soft spots or wet areas | | | | |
| 5 | North Perimeter Anchor Trench | Free of pull out liner | | | | |
| 6 | North Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | | | | |
| 7 | North Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | | | | |
| 8 | North Perimeter Anchor Trench | Free of soft spots or wet areas | | | | |
| 9 | East Perimeter Anchor Trench | Free of pull out liner | | | | |
| 10 | East Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | | | | |
| 11 | East Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | | | | |
| 12 | East Perimeter Anchor Trench | Free of soft spots or wet areas | | | | |
| 13 | South Perimeter Anchor Trench | Free of pull out liner | | | | |
| 14 | South Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | | | | |
| 15 | South Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | | | | |
| 16 | South Perimeter Anchor Trench | Free of soft spots or wet areas | | | | |
| 17 | West Perimeter Anchor Trench | Free of pull out liner | | | | |
| 18 | West Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | | | | |
| 19 | West Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | | | | |
| 20 | West Perimeter Anchor Trench | Free of soft spots or wet areas | | | | |

Note: 1. Indicate which interior anchor trench in the Required Action. * Received 2.22 inches of rain 3/5/04

MONTHLY INSPECTION

Date/Time: 3/8/04 1020 - 1350 Weather Conditions: Cloudy 39°
 Inspector(s): R. Brown / T. Stuart Type of Inspection (Circle One): General Inspection or Following Severe Weather *

1. See Appendix A-2 "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 "OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Risk Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An OM inspection performed following a severe weather event will count as an inspection for the specified period.

3.5 Articulating Concrete Blocks (AB) System

| Number | OM Item | Inspection Item | Satisfactory | | Unsatisfactory | | Required Action | Action Completed Date/Initial |
|--------|-------------------------|---|-------------------------------------|--------------------------|--------------------------|--------------------------|-----------------|----------------------------------|
| | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | |
| 1 | North Perimeter Channel | Free of broken concrete blocks | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | |
| 2 | North Perimeter Channel | Liner free of tears, penetrations, or thin spots | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | |
| 3 | North Perimeter Channel | Free of vegetative growth impeding channel flow | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | |
| 4 | North Perimeter Channel | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | |
| 5 | North Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side, 1 clamp on the short side) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | |
| 6 | East Perimeter Channel | Free of broken concrete blocks | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | |
| 7 | East Perimeter Channel | Liner free of tears, penetrations, or thin spots | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | |
| 8 | East Perimeter Channel | Free of vegetative growth which decreases channel capacity | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | |
| 9 | East Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side, 1 clamp on the short side) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | |
| 10 | SE Perimeter Channel | Free of broken concrete blocks | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | |
| 11 | SE Perimeter Channel | Liner free of tears, penetrations, or thin spots | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | |
| 12 | SE Perimeter Channel | Free of vegetative growth which decreases channel capacity | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | |
| 13 | SE Perimeter Channel | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | |
| 14 | SE Perimeter Channel | Cementitious fill material in the corner is free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | |
| 15 | SE Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side, 1 clamp on the short side) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | |
| 16 | Interior Y-Channel | Free of broken concrete blocks | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | |
| 17 | Interior Y-Channel | Liner free of tears, penetrations, or thin spots | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | |
| 18 | Interior Y-Channel | Free of vegetative growth impeding channel flow | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | |
| 19 | Interior Y-Channel | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | |
| 20 | Interior Y-Channel | Steel clamps connecting the AB mats (3 clamps on the long side, 1 clamp on the short side) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | |

* Received 2.22 inches of rain 3/5/04

MONTHLY INSPECTION

Date/Time: 3/8/04 1020 - 1350

Weather Conditions: Cloudy 39°

Inspector(s): R. Brown / T. Stewart

Type of Inspection (Circle One): General Inspection or Following Severe Weather *

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and follow up severe weather.
2. See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (59 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An OM inspection performed following a severe weather event will count as an inspection for the specified period.

3.6 Northeast Corner Piping

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|-------------------|--|--------------|----------------|-----------------|----------------------------------|
| 1 | Manhole # 1 | Manhole lid secure attached and flush with ground surface | S | | | |
| 2 | Manhole # 2 | Manhole lid secure attached and flush with ground surface | S | | | |
| 3 | Upstream Headwall | Headwall invert/culvert (trash grate/restricting plate) free of debris | S | | | |
| 4 | Upstream Headwall | Headwall invert/culvert free of debris | S | | | |

3.7 Former Leachate Storage Facility Area

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|----------------------------------|
| 1 | LSF Tank 1 (1) | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 2 | LSF Tank 1 (2) | Free of liner fatigue, accumulated liquids, settlement, et. at sump extension | S | | | |
| 3 | LSF Tank 2 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 4 | LSF Tank 2 (2) | Free of liner fatigue, accumulated liquids, settlement, et. at sump extension | S | | | |
| 5 | LSF Tank 3 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 6 | LSF Tank 3 (2) | Free of liner fatigue, accumulated liquids, settlement, et. at sump extension | S | | | |
| 7 | LSF Tank 4 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 8 | LSF Tank 4 (2) | Free of liner fatigue, accumulated liquids, settlement, et. at sump extension | S | | | |
| 9 | Rectifier Box for the Cathodic Protection System | Record the Direct Current Reading <u>6.5</u> | | | | |
| 10 | Rectifier Box for the Cathodic Protection System | Record the Amps Output Reading <u>1.7</u> | | | | |

Notes: 1) Opening of LSF Tank 1 access vent riser shall be in accordance with the Commonwealth Procedures. 2) If settlement, see Appendix C-4 for the repair procedure detailed documentation.

** Received 2.22 inches of rain 3/15/04*

MONTHLY INSPECTION

Date/Time: 3/8/04 1020-1350 Weather Conditions: Cloudy 39°
 Inspector(s): R. Brown / T. Stewart Type of Inspection (Circle One): General Inspection or Following **Severe Weather** *

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An OM inspection performed following a severe weather event will count as an inspection for the specified period.

Free of debris

4.1 Principal Spillway

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------|--|--------------|----------------|-----------------|----------------------------------|
| 1 | Ultrasonic Flow Recorder | Calibrated reading measurement compares with staff gauge measurement | S | | | |
| 2 | Riprap | Free of debris | S | | | |
| 3 | Riprap | Free of riprap washout compromising side-slopes | S | | | |
| 4 | Riprap | If exposed, geotextile fabric free of damages | S | | | |
| 5 | Riprap | Free of silt/sediment accumulation >3 inches | S | | | |

4.2 Emergency Spillway

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|------------------------|--|--------------|----------------|-----------------|----------------------------------|
| 1 | Gabion Basket System 1 | Free of debris | S | | | |
| 2 | Gabion Basket System 1 | Free of riprap washout compromising integrity of basket system | S | | | |

Note: (*) To maintain integrity, a spray rust preventative product may be used on an as needed basis note in the Required Action.

4.3 Embankment

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|------------|--------------------------------------|--------------|----------------|-----------------|----------------------------------|
| 1 | Embankment | Slide-slopes free of debris | S | | | |
| 2 | Embankment | Slide-slopes free of erosion gullies | S | | | |
| 3 | Embankment | Free of eroded areas | S | | | |

* Received 2.22 inches of rain 3/5/04

MONTHLY INSPECTION

Date/Time: 3/8/04 1020-1350

Weather Conditions: Cloudy 39°

Inspector(s): R. Baum / T. Stewart

Type of Inspection (Circle One): General Inspection Following Severe Weather *

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Two-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An OM inspection performed following a severe weather event will count as an inspection for the specified period.

4.4 Basin Area

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|------------------------|---|--------------|----------------|-----------------|----------------------------------|
| 1 | Riprap | Free of debris | S | | | |
| 2 | Riprap | Free of riprap washout compromising side-slopes | | | | |
| 3 | Riprap | If exposed, geotextile fabric free of damages | | | | |
| 4 | Riprap | Free of silt / sediment accumulation >3 inches | | | | |
| 5 | Gabion Basket System 1 | Free of debris | | | | |
| 6 | Gabion Basket System 1 | Free of riprap washout compromising basket system | | | | |

Note: 1) To maintain integrity, a spray rust preventative product may be used on an as needed basis note in the Required Action.

5.2 South Drain Inlet Area

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|------------------------|---|--------------|----------------|-----------------|----------------------------------|
| 1 | Riprap | Free of debris | S | | | |
| 2 | Riprap | No riprap washout compromising side-slopes | | | | |
| 3 | Gabion Basket System 1 | Free of debris | | | | |
| 4 | Gabion Basket System 1 | Free of riprap washout compromising basket system | | | | |

Note: 1) To maintain integrity, a spray rust preventative product may be used on an as needed basis note in the Required Action.

6.1 SE Cap Geomembrane Liner

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|-------------------|---|--------------|----------------|-----------------|----------------------------------|
| 1 | Geomembrane Liner | Free of exposed liner in turf | S | | | |
| 2 | Geomembrane Liner | If liner is exposed, free of penetrations/tears/lin spots | | | | |

6.2 SE Cap Turf

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|---------|------------------------------------|--------------|----------------|-----------------|----------------------------------|
| 1 | Turf | Free of eroded areas | S | | | |
| 2 | Turf | Free of erosion gullies | | | | |
| 3 | Turf | Free of signs of burrowing animals | | | | |

*Received 2.22 inches of rain 3/5/04

MONTHLY INSPECTION

Date/Time: 3/8/04 1020 - 1350 Weather Conditions: Cloudy 39°
 Inspector(s): R. Brown / T. Stewart Type of Inspection (Circle One) General Inspection or Following **Sever Weather** *

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response times.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.26 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An OM inspection performed following a severe weather event will count as an inspection for the specified period.

6.3 SE Cap Riprap Outlet

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|---------------|---|--------------|----------------|-----------------|----------------------------------|
| 1 | Riprap Outlet | Free of riprap washout compromising side-slopes | <i>S</i> | | | |
| 2 | Riprap | If exposed, geocomposite drainage mat free of damages | | | | |
| 3 | Riprap Outlet | Free of debris | | | | |

6.4 SE Cap Tie-In

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|----------------|---|--------------|----------------|-----------------|----------------------------------|
| 1 | IRP Cap Tie-in | Transition of the IRP Cap with Southeast Cap Intact / Free of incorp pull out | <i>S</i> | | | |

7.1 MFDS Roadways

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|-------------------------|----------------------------|--------------|----------------|-----------------|----------------------------------|
| 1 | Site Access Roadway | Free of ruts and pot holes | <i>S</i> | | | |
| 2 | Site Access Roadway | No aggregate wash-out | | | | |
| 3 | North Perimeter Roadway | Free of ruts and pot holes | | | | |
| 4 | North Perimeter Roadway | No aggregate wash-out | | | | |
| 5 | East Perimeter Roadway | Free of ruts and pot holes | | | | |
| 6 | East Perimeter Roadway | No aggregate wash-out | | | | |
| 7 | South Perimeter Roadway | Free of ruts and pot holes | | | | |
| 8 | South Perimeter Roadway | No aggregate wash-out | | | | |
| 9 | West Perimeter Roadway | Free of ruts and pot holes | | | | |
| 10 | West Perimeter Roadway | No aggregate wash-out | | | | |

7.2 MFDS Security

| Number | OM Item | Inspection Item | Product Name | Action Completed Date/Initial |
|--------|-----------------------------------|-----------------|--|----------------------------------|
| 1 | North Perimeter Fence Site Access | Oil hinges | | |
| 2 | IRP Cap Perimeter Fence (1) | Oil hinges | <i>LOW 30 Power</i> <i>LOW 30 Power</i> | |

**Received 2.22 inches of rain 3/5/04*

MONTHLY INSPECTION

Date/Time: 3/8/04 10:00 — 1352 Weather Conditions: Cloudy 33° Snow/ice

Inspector(s): J. Stevens / R. Brown / T. Stewart Type of Inspection (Circle One): General Inspection or Following Sever Weather *

1. See Appendix A-2 "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/ Once-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 O&M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An O&M inspection performed following a severe weather event will count as an inspection for the specified period.

7.5 Samplers

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------|--|--------------|----------------|-----------------|----------------------------------|
| 1 | Samplers (1) | Portable samplers free of damages | S | | | |
| 2 | Samplers (1) | Locations according to Figures 7-1 and 7-2 | S | | | |

Note: 1) Indicate sampler identification in Required Action

7.7 Liquids

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|----------------------------|-----------------------------|--------------|----------------|-----------------|----------------------------------|
| 1 | Headwall Sumps (1) | Free of accumulated liquids | S | | | |
| 2 | Sluicelid Areas (If Any) 2 | Free of accumulated liquids | S | | | |
| 3 | Around MFDS (3) | Free of accumulated liquids | S | | | |

Note: 1) Indicate headwall sump identification in Required Action. 2) Indicate liner panel location or area of IRP Cap in Required Action. 3) Indicate location in Required Action.

7.9 Miscellaneous Turf Area

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|-------------------------------------|----------------------------------|--------------|----------------|-----------------|----------------------------------|
| 1 | Borrow Pit - Turf (1) | Free of eroded areas | S | | | |
| 2 | Borrow Pit - Turf (1) | Free of erosion gullies | S | | | |
| 3 | Borrow Pit - Turf (1) | Free of debris along side-slopes | S | | | |
| 4 | Stockpile Pit - Turf (1) | Free of eroded areas | S | | | |
| 5 | Stockpile Pit - Turf (1) | Free of erosion gullies | S | | | |
| 6 | Stockpile Pit - Turf (1) | Free of debris along side-slopes | S | | | |
| | Areas around the IRP Cap - Turf (1) | Free of eroded areas | S | | | |
| | Areas around the IRP Cap - Turf (1) | Free of erosion gullies | S | | | |
| | Areas around the IRP Cap - Turf (1) | Free of debris along side-slopes | S | | | |

Note: 1) Indicate designated area (Figure 7-4) in Required Action

* Received 2.22 inches of rain 3/5/04

MONTHLY INSPECTION

Date/Time: 4/28/04 11:00

Weather Conditions: Clear 70°

Inspector(s): J. Stanger D. Politt

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance Inspection performed following a severe weather event will count as an inspection for the specified period.

3.1 Geomembrane Liner

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|----------------------------------|--|--------------|----------------|-----------------|----------------------------------|
| 1 | IRP Cap (1) | Free of tears, penetrations, or thin spots in 45-mil reinforced polypropylene (liner). | S | | | |
| 2 | IRP Cap (1) | Sealed factory seams via visual site walk. | S | | | |
| 3 | IRP Cap (1) | Free of soft spots or wet areas | S | | | |
| 4 | Geomembrane Liner Boots (2) (83) | Free of tears, penetrations, or thin spots in transition of liner to liner boots | S | | | |
| 5 | Geomembrane Liner Boots (2) (83) | Free of liner fatigue, accumulated liquids, settlement, etc. at the sump extension | S | | | |
| 6 | Sump Extension (2) (83) | Free of tears, penetrations, or thin spots in transition of liner to liner boots | S | | | |
| 7 | Sump Extension (2) (83) | Integrity of sump lid | S | | | |
| 8 | Sump Extension (2) (83) | Integrity of geomembrane liner boots | S | | | |
| 9 | Data Logger (2) | Integrity of data logger system in extended sump | S | | | |

Note: (1) For repairs, see Appendix C-1 for the 45-mil reinforced polypropylene repair procedure. (2) Indicate sump extension identification in Required Action. See Appendix C-2 for sump lid and data logger removable/re-installation procedure and calibrate the data logger (if required) in accordance with Appendix E-3. (3) If settlement, see Appendix C-4 for the repair procedure and detailed documentation.

3.3 Subsidence

| Number | Operation and Maintenance Item | Inspection Item | Approximate Water Depth (Inches) | Approximate Area (SF) | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|-------------------------------------|-----------------------|--------------------------|----------------------------------|
| 1 | Subsidence Monitoring | Document any subsidence area/panel # <u>101-54</u> | <u>30 x 60 ft</u> | | | |
| 2 | Subsidence Monitoring | Document any subsidence area/panel # <u>48-31</u> | <u>35 x 50 ft</u> | | <u>No change visible</u> | |
| 3 | Subsidence Monitoring | Document any subsidence area/panel # | | | <u>No change visible</u> | |
| 4 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 5 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 6 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 7 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 8 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 9 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 10 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |

Note: (1) See Appendix C-4 for repair procedure and detailed documentation.

MONTHLY INSPECTION

Date/Time: 4/28/04

Weather Conditions: Clear 70°

Inspector(s): J. Stamps

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/ Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Raiser Response Matrix" for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 60 knots (68 miles per hour) or greater, approximately 3/4 of an inch or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance Inspection performed following a severe weather event will count as an inspection for the specified period.

3.4 Anchorage Trenches

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|---|----------------|-----------------|----------------------------------|
| 1 | Interior Anchor Trenches | Free of pull out liner | S | | | |
| 2 | Interior Anchor Trenches | Free of tears, perforations, or thin spots in liner | | | | |
| 3 | Interior Anchor Trenches | Geotextile fabric free of damages, if exposed | | | | |
| 4 | Interior Anchor Trenches | Free of soft spots or wet areas | | | | |
| 5 | North Perimeter Anchor Trench | Free of pull out liner | | | | |
| 6 | North Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | | | | |
| 7 | North Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | | | | |
| 8 | North Perimeter Anchor Trench | Free of soft spots or wet areas | | | | |
| 9 | East Perimeter Anchor Trench | Free of pull out liner | | | | |
| 10 | East Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | | | | |
| 11 | East Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | | | | |
| 12 | East Perimeter Anchor Trench | Free of soft spots or wet areas | | | | |
| 13 | South Perimeter Anchor Trench | Free of pull out liner | | | | |
| 14 | South Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | | | | |
| 15 | South Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | | | | |
| 16 | South Perimeter Anchor Trench | Free of soft spots or wet areas | | | | |
| 17 | West Perimeter Anchor Trench | Free of pull out liner | | | | |
| 18 | West Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | | | | |
| 19 | West Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | | | | |
| 20 | West Perimeter Anchor Trench | Free of soft spots or wet areas | | | | |

Note: (1) Indicate which interior anchor trench in the Required Action.

MONTHLY INSPECTION

Date/Time: 4/28/04 13:00

Weather Conditions: Clear 75°

Inspector(s): J. Stanger

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual), and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1" inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.5 Articulating Concrete Blocks (AB) System

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|----------------------------------|
| 1 | North Perimeter Channel | Free of broken concrete blocks | S | | | |
| 2 | North Perimeter Channel | Liner free of tears, penetrations, or thin spots? | S | | | |
| 3 | North Perimeter Channel | Free of vegetative growth impeding channel flow | S | | | |
| 4 | North Perimeter Channel | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 5 | North Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side, 1 clamp on the short side) | S | | | |
| 6 | East Perimeter Channel | Free of broken concrete blocks | S | | | |
| 7 | East Perimeter Channel | Liner free of tears, penetrations, or thin spots | S | | | |
| 8 | East Perimeter Channel | Free of vegetative growth which decreases channel capacity | S | | | |
| 9 | East Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | S | | | |
| 10 | SE Perimeter Channel | Free of broken concrete blocks | S | | | |
| 11 | SE Perimeter Channel | Liner free of tears, penetrations, or thin spots | S | | | |
| 12 | SE Perimeter Channel | Free of vegetative growth which decreases channel capacity | S | | | |
| 13 | SE Perimeter Channel | Cementitious fill material free at dead-man is free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 14 | SE Perimeter Channel | Cementitious fill material in the corner is free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 15 | SE Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | S | | | |
| 16 | Interior Y-Channel | Free of broken concrete blocks | S | | | |
| 17 | Interior Y-Channel | Liner free of tears, penetrations, or thin spots | S | | | |
| 18 | Interior Y-Channel | Free of vegetative growth impeding channel flow | S | | | |
| 19 | Interior Y-Channel | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 20 | Interior Y-Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | S | | | |

MONTHLY INSPECTION

Date/Time: 4/27/04 1330

Weather Conditions: Delayed 57°

Inspector(s): J. Stroman

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, 'Inspection Frequency Matrix', for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, 'Operation and Maintenance Requirements Matrix' for reporting/documentation requirements and maintenance activities and Appendix A-3, 'Repair Response Matrix', for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 60 knots (68 m. per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.6 Northeast Corner Piping

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|----------------------------------|
| 1 | Manhole #1 | Manhole lid secure attached and flush with ground surface | S | | | |
| 2 | Manhole #2 | Manhole lid secure attached and flush with ground surface | S | | | |
| 3 | Upstream Headwall | Headwall invert/culvert (trash grate/retaining plate) free of debris | S | | | |
| 4 | Upstream Headwall | Headwall invert/culvert free of debris | S | | | |

3.7 Former Leachate Storage Facility Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|----------------------------------|
| 1 | LSF Tank 1 (1) | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 2 | LSF Tank 1 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 3 | LSF Tank 2 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 4 | LSF Tank 2 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 5 | LSF Tank 3 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 6 | LSF Tank 3 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 7 | LSF Tank 4 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 8 | LSF Tank 4 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 9 | Rectifier Box for the Cathodic Protection System | Record the Direct Current Reading <u>6.0</u> | S | | | |
| 10 | Rectifier Box for the Cathodic Protection System | Record the Amps Output Reading <u>1.7</u> | S | | | |

Notes: (1) Opening of LSF Tank 1 access and vent riser shall be in accordance with the Commonwealth Procedures. (2) If settlement, see Appendix C-4 for the repair procedure and detailed documentation.

MONTHLY INSPECTION

Date/Time: 4/27/04 1330

Weather Conditions: partly cloudy 57°

Inspector(s): J. Stanger

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Two-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.26 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

4.1 Principal Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|----------------------------------|
| 1 | Ultrasonic Flow Recorder | Calibrated reading measurement compares with staff gauge measurement | S | | | |
| 2 | Riprap | Free of debris | S | | | |
| 3 | Riprap | Free of riprap washout compromising side-slopes | S | | | |
| 4 | Riprap | If exposed, geotextile fabric free of damages | S | | | |
| 5 | Riprap | Free of silt/sediment accumulation >3 inches | S | | | |

4.2 Emergency Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|----------------------------------|
| 1 | Gabion Basket System (1) | Free of debris | S | | | |
| 2 | Gabion Basket System (1) | Free of riprap washout compromising integrity of basket system | S | | | |

Note: (*) To maintain integrity, a spray rust preventative product may be used on an as needed basis and note in the Required Action.

4.3 Embankment

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--------------------------------------|--------------|----------------|-----------------|----------------------------------|
| 1 | Embankment | Slide-slopes free of debris | S | | | |
| 2 | Embankment | Slide-slopes free of erosion gullies | S | | | |
| 3 | Embankment | Free of eroded areas | S | | | |

MONTHLY INSPECTION

Date/Time: 4/27/04 1430

Weather Conditions: P Cloudy 60°

Inspector(s): J. Stamps

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2 "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documenting requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

4.4 Basin Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|----------------------------------|
| 1 | Riprap | Free of debris | S | | | |
| 2 | Riprap | Free of riprap washout compromising side-slopes | S | | | |
| 3 | Riprap | If exposed, geotextile fabric free of damages | S | | | |
| 4 | Riprap | Free of silt/sediment accumulation >3 inches | S | | | |
| 5 | Gabion Basket System | Free of debris | S | | | |
| 6 | Gabion Basket System | Free of riprap washout compromising basket system | S | | | |

Note: (1) To maintain integrity, a spray rust preventative product may be used on an as needed basis and note in the Required Action.

5.2 South Drain Inlet Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|----------------------------------|
| 1 | Riprap | Free of debris | S | | | |
| 2 | Riprap | No riprap washout compromising side-slopes | S | | | |
| 3 | Gabion Basket System (1) | Free of debris | S | | | |
| 4 | Gabion Basket System (1) | Free of riprap washout compromising basket system | S | | | |

Note: (1) To maintain integrity, a spray rust preventative product may be used on an as needed basis and note in the Required Action.

6.1 SE Cap Geomembrane Liner

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|----------------------------------|
| 1 | Geomembrane Liner | Free of exposed liner in turf | S | | | |
| 2 | Geomembrane Liner | If liner is exposed, free of penetrations/tears/thin spots | S | | | |

6.2 SE Cap Turf

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|------------------------------------|--------------|----------------|-----------------|----------------------------------|
| 1 | Turf | Free of eroded areas | S | | | |
| 2 | Turf | Free of erosion gullies | S | | | |
| 3 | Turf | Free of signs of burrowing animals | S | | | |

MONTHLY INSPECTION

Date/Time: 4/27/04 1430

Weather Conditions: P/Cloudy 60°

Inspector(s): J. Stanger

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, "Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-2, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approx. wet/dry 3/4 diameter hail or larger, frequent lightning, and 1.26 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

6.3 SE Cap Riprap Outlet

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Riprap Outlet | Free of riprap washout compromising side slopes | S | | | |
| 2 | Riprap | If exposed, geocomposite drainage mat free of damages | S | | | |
| 3 | Riprap Outlet | Free of debris | S | | | |

6.4 SE Cap Tie-In

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | IRP Cap Tie-in | Transition of the IRP Cap with Southeast Cap intact/free of liner pull out. | S | | | |

7.1 MFDS Roadways

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|----------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Site Access Roadway | Free of ruts and pot holes | S | | | |
| 2 | Site Access Roadway | No aggregate wash-out | S | | | |
| 3 | North Perimeter Roadway | Free of ruts and pot holes | S | | | |
| 4 | North Perimeter Roadway | No aggregate wash-out | S | | | |
| 5 | East Perimeter Roadway | Free of ruts and pot holes | S | | | |
| 6 | East Perimeter Roadway | No aggregate wash-out | S | | | |
| 7 | South Perimeter Roadway | Free of ruts and pot holes | S | | | |
| 8 | South Perimeter Roadway | No aggregate wash-out | S | | | |
| 9 | West Perimeter Roadway | Free of ruts and pot holes | S | | | |
| 10 | West Perimeter Roadway | No aggregate wash-out | S | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Product Name | Action Completed Date/Initial |
|--------|-----------------------------------|-----------------|-----------------|-------------------------------|
| 1 | North Perimeter Fence Site Access | Oil hinges | | |
| 2 | IRP Cap Perimeter Fence (1) | Oil hinges | 10W30 motor oil | 4/27/04 OS |
| | | | 10W30 motor oil | 4/27/04 OS |

MONTHLY INSPECTION

Date/Time: 4/20/04 0830

Weather Conditions: Clean 350

Inspector(s): J. Stangor

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspector Frequency Matrix", for type of inspection and frequency (Daily/Weekly/ Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-5, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

7.5 Samplers

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Samplers (1) | Portable samplers free of damages | S | | | |
| 2 | Samplers (1) | Locations according to Figures 7-1 and 7-2 | S | | | |

Note: (1) Indicate sampler identification in Required Action

7.7 Liquids

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|-----------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Headwall Sump (1) | Free of accumulated liquids | S | | | |
| 2 | Subsided Areas (if Any) (2) | Free of accumulated liquids | S | | | |
| 3 | Around MFDS (3) | Free of accumulated liquids | S | | | |

Note: (1) Indicate headwall sump, identification in Required Action. (2) Indicate liner panel location or area of IRP Cap in Required Action. (3) Indicate location in Required Action.

7.9 Miscellaneous Turf Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|-------------------------------------|----------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Borrow Pit - Turf (1) | Free of eroded areas | S | | | |
| 2 | Borrow Pit - Turf (1) | Free of erosion gullies | | | | |
| 3 | Borrow Pit - Turf (1) | Free of debris along side-slopes | | | | |
| 4 | Stockpile Pit - Turf (1) | Free of eroded areas | | | | |
| 5 | Stockpile Pit - Turf (1) | Free of erosion gullies | | | | |
| 6 | Stockpile Pit - Turf (1) | Free of debris along side-slopes | | | | |
| 7 | Areas around the IRP Cap - Turf (1) | Free of eroded areas | | | | |
| 8 | Areas around the IRP Cap - Turf (1) | Free of erosion gullies | | | | |
| 9 | Areas around the IRP Cap - Turf (1) | Free of debris along side-slopes | | | | |

Note: (1) Indicate designated area (Figure 7-4) in Required Action

Date/Time: 5/25/04 9:30 / 5/28/04 9:30
11:00 / 12:00

MONTHLY INSPECTION

Weather Conditions: Partly Cloudy 76° / Cloudy 75°

Inspector(s): POLLITT

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Monthly/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.1 Geomembrane Liner

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|----------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | IRP Cap (1) | Free of tears, penetrations, or thin spots in 45-mil reinforced polypropylene (liner). | S | | | |
| 2 | IRP Cap (1) | Sealed factory seams via visual site walk. | S | | | |
| 3 | IRP Cap (1) | Free of soft spots or wet areas | S | | | |
| 4 | Geomembrane Liner Boots (2) (83) | Free of tears, penetrations, or thin spots in transition of liner to liner boots | S | | | |
| 5 | Geomembrane Liner Boots (2) (83) | Free of liner fatigue, accumulated liquids, settlement, etc. at the sump extension | S | | | |
| 6 | Sump Extension (2) (82) | Free of tears, penetrations, or thin spots in transition of liner to liner boots | S | | | |
| 7 | Sump Extension (2) (83) | Integrity of sump lid | S | | | |
| 8 | Sump Extension (2) (83) | Integrity of geomembrane liner boots | S | | | |
| 9 | Data Logger (2) | Integrity of data logger system in extended sump | S | | | |

Note: (1) For repairs, see Appendix C-1 for the 45-mil reinforced polypropylene repair procedure. (2) Indicate sump extension identification in Required Action. See Appendix C-2 for sump lid and data logger removable/re-installation procedure and calibrate the data logger (if required) in accordance with Appendix E-3. (3) if settlement, see Appendix C-4 for the repair procedure and detailed documentation.

3.3 Subsidence

| Number | Operation and Maintenance Item | Inspection Item | Approximate Water Depth (inches) | Approximate Area (SF) | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--------------------------------------|----------------------------------|-----------------------|-----------------|-------------------------------|
| 1 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 2 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 3 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 4 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 5 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 6 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 7 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 8 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 9 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 10 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |

Note: (1) See Appendix C-4 for repair procedure and detailed documentation.

MONTHLY INSPECTION

Date/Time: 5/25/04 9:30 / 5/28/04 9:30
11:00 / 12:00

Weather Conditions: P. Cloudy 76 / Cloudy 75

Inspector(s): D. Perich

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/ Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual), and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.4 Anchorage Trenches

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Interior Anchor Trenches | Free of pull out liner | S | | | |
| 2 | Interior Anchor Trenches | Free of tears, punctures, or thin spots in liner | S | | | |
| 3 | Interior Anchor Trenches | Geotextile fabric free of damages, if exposed | S | | | |
| 4 | Interior Anchor Trenches | Free of soft spots or wet areas | S | | | |
| 5 | North Perimeter Anchor Trench | Free of pull out liner | S | | | |
| 6 | North Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | S | | | |
| 7 | North Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | S | | | |
| 8 | North Perimeter Anchor Trench | Free of soft spots or wet areas | S | | | |
| 9 | East Perimeter Anchor Trench | Free of pull out liner | S | | | |
| 10 | East Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | S | | | |
| 11 | East Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | S | | | |
| 12 | East Perimeter Anchor Trench | Free of soft spots or wet areas | S | | | |
| 13 | South Perimeter Anchor Trench | Free of pull out liner | S | | | |
| 14 | South Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | S | | | |
| 15 | South Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | S | | | |
| 16 | South Perimeter Anchor Trench | Free of soft spots or wet areas | S | | | |
| 17 | West Perimeter Anchor Trench | Free of pull out liner | S | | | |
| 18 | West Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | S | | | |
| 19 | West Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | S | | | |
| 20 | West Perimeter Anchor Trench | Free of soft spots or wet areas | S | | | |

Note: (1) Indicate which interior anchor trench in the Required Action.

MONTHLY INSPECTION

Date/Time: 5/25/14 9:30 5/28/14 9:30 5/29/14 12:00 Weather Conditions: Partly 76° Cloudy 75°

Inspector(s): Pollum Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Two-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix" for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornados, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter or larger, frequent lightning, and 2.5 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.5 Articulating Concrete Blocks (AB) System

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|----------------------------------|
| 1 | North Perimeter Channel | Free of broken concrete blocks | S | | | |
| 2 | North Perimeter Channel | Liner free of tears, penetrations, or thin spots | S | | | |
| 3 | North Perimeter Channel | Free of vegetative growth impeding channel flow | S | | | |
| 4 | North Perimeter Channel | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 5 | North Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side, 1 clamp on the short side) | S | | | |
| 6 | East Perimeter Channel | Free of broken concrete blocks | S | | | |
| 7 | East Perimeter Channel | Liner free of tears, penetrations, or thin spots | S | | | |
| 8 | East Perimeter Channel | Free of vegetative growth which decreases channel capacity | S | | | |
| 9 | East Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | S | | | |
| 10 | SE Perimeter Channel | Free of broken concrete blocks | S | | | |
| 11 | SF Perimeter Channel | Liner free of tears, penetrations, or thin spots | S | | | |
| 12 | SE Perimeter Channel | Free of vegetative growth which decreases channel capacity | S | | | |
| 13 | SE Perimeter Channel | Cementitious fill material free of deterioration free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 14 | SE Perimeter Channel | Cementitious fill material in the corner is free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 15 | SE Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | S | | | |
| 16 | Interior Y-Channel | Free of broken concrete blocks | S | | | |
| 17 | Interior Y-Channel | Liner free of tears, penetrations, or thin spots | S | | | |
| 18 | Interior Y-Channel | Free of vegetative growth impeding channel flow | S | | | |
| 19 | Interior Y-Channel | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 20 | Interior Y-Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | S | | | |

MONTHLY INSPECTION

Date/Time: 5/25/14 9:30 5/28/14 9:30 Weather Conditions: P. Cloudy 76° Cloudy 75

Inspector(s): P. Foster Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2 "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Monthly/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 "Operation and Maintenance Requirements Matrix" for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.6 Northeast Corner Piping

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Manhole #1 | Manhole lid secure attached and flush with ground surface | S | | | |
| 2 | Manhole #2 | Manhole lid secure attached and flush with ground surface | S | | | |
| 3 | Upstream Headwall | Headwall invert/culvert (trash grate/restricting plate) free of debris | S | | | |
| 4 | Upstream Headwall | Headwall invert/culvert free of debris | S | | | |

3.7 Former Leachate Storage Facility Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | LSF Tank 1 (1) | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 2 | LSF Tank 1 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 3 | LSF Tank 2 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 4 | LSF Tank 2 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 5 | LSF Tank 3 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 6 | LSF Tank 3 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 7 | LSF Tank 4 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 8 | LSF Tank 4 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 9 | Rectifier Box for the Cathodic Protection System | Record the Direct Current Reading | S | | | |
| 10 | Rectifier Box for the Cathodic Protection System | Record the Amps Output Reading | S | | | |

Notes: (1) Opening of LSF Tank 1 access and vent riser shall be in accordance with the Commonwealth Procedures. (2) # settlement, see Appendix C-4 for the repair procedure and detailed documentation.

MONTHLY INSPECTION

Date/Time: 5/25/4 9:30 11:00 5/28/4 9:30 12:00

Weather Conditions: Partly cloudy 74 Cloudy 72

Inspector(s): P. Quinn

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Recall" Response Matrix, for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shower during storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

4.1 Principal Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|----------------------------------|
| 1 | Ultrasonic Flow Recorder | Calibrated reading measurement compares with staff gauge measurement | S | | | |
| 2 | Riprap | Free of debris | S | | | |
| 3 | Riprap | Free of riprap washout compromising side-slopes | S | | | |
| 4 | Riprap | If exposed, geotextile fabric free of damages | S | | | |
| 5 | Riprap | Free of silt/sediment accumulation >3 inches | S | | | |

4.2 Emergency Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|----------------------------------|
| 1 | Gabion Basket System (1) | Free of debris | S | | | |
| 2 | Gabion Basket System (1) | Free of riprap washout compromising integrity of basket system | S | | | |

Note: (1) To maintain integrity, a spray rust preventative product may be used on an as needed basis and note in the Required Action.

4.3 Embankment

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--------------------------------------|--------------|----------------|-----------------|----------------------------------|
| 1 | Embankment | Slide-slopes free of debris | S | | | |
| 2 | Embankment | Slide-slopes free of erosion gullies | S | | | |
| 3 | Embankment | Free of eroded areas | S | | | |

MONTHLY INSPECTION

Date/Time: 5/25/4 9:30 / 5/28/4 9:30
11:00 / 12:00

Weather Conditions: P. Cloudy 76° Cloudy 75°

Inspector(s): ISP

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/ Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Raiser Response Matrix" for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.5 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance Inspection performed following a severe weather event will count as an inspection for the specified period.

4.4 Basin Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|----------------------------------|
| 1 | Riprap | Free of debris | S | | | |
| 2 | Riprap | Free of riprap washout compromising side slopes | S | | | |
| 3 | Riprap | If exposed, geotextile fabric free of damages | S | | | |
| 4 | Riprap | Free of silt/sediment accumulation >3 inches | S | | | |
| 5 | Gabion Basket System 1 | Free of debris | S | | | |
| 6 | Gabion Basket System 1 | Free of riprap washout compromising basket system | S | | | |

Note: (1) To maintain integrity, a spray rust preventative product may be used on an as needed basis and note in the Required Action.

5.2 South Drain Inlet Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|----------------------------------|
| 1 | Riprap | Free of debris | S | | | |
| 2 | Riprap | No riprap washout compromising side-slopes | S | | | |
| 3 | Gabion Basket System (1) | Free of debris | S | | | |
| 4 | Gabion Basket System (1) | Free of riprap washout compromising basket system | S | | | |

Note: (1) To maintain integrity, a spray rust preventative product may be used on an as needed basis and note in the Required Action.

6.1 SE Cap Geomembrane Liner

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|----------------------------------|
| 1 | Geomembrane Liner | Free of exposed liner in turf | S | | | |
| 2 | Geomembrane Liner | If liner is exposed, free of penetrations/tears/thin spots | S | | | |

6.2 SE Cap Turf

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|------------------------------------|--------------|----------------|-----------------|----------------------------------|
| 1 | Turf | Free of eroded areas | S | | | |
| 2 | Turf | Free of erosion gullies | S | | | |
| 3 | Turf | Free of signs of borrowing animals | S | | | |

MONTHLY INSPECTION

Date/Time: 5/25/14 9:30 / 5/28/14 9:30

Weather Conditions: P. Cloudy 46° Cloudy 75°

Inspector(s): Spavitt

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspect or Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, "Operation and Maintenance Requirements Matrix" for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

6.3 SE Cap Riprap Outlet

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Riprap Outlet | Free of riprap washout compromising side-slopes | S | | | |
| 2 | Riprap | If exposed, geocomposite drainage net free of damages | S | | | |
| 3 | Riprap Outlet | Free of debris | S | | | |

6.4 SE Cap Tie-In

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | IRP Cap Tie-in | Transition of the IRP Cap with Southeast Cap intact/free of liner pull out | S | | | |

7.1 MFDS Roadways

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|----------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Site Access Roadway | Free of ruts and pot holes | S | | | |
| 2 | Site Access Roadway | No aggregate wash-out | | | | |
| 3 | North Perimeter Roadway | Free of ruts and pot holes | | | | |
| 4 | North Perimeter Roadway | No aggregate wash-out | | | | |
| 5 | East Perimeter Roadway | Free of ruts and pot holes | | | | |
| 6 | East Perimeter Roadway | No aggregate wash-out | | | | |
| 7 | South Perimeter Roadway | Free of ruts and pot holes | | | | |
| 8 | South Perimeter Roadway | No aggregate wash-out | | | | |
| 9 | West Perimeter Roadway | Free of ruts and pot holes | | | | |
| 10 | West Perimeter Roadway | No aggregate wash-out | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Product Name | Action Completed Date/Initial |
|--------|-----------------------------------|-----------------|--------------|-------------------------------|
| 1 | North Perimeter Fence Site Access | Oil hinges | | |
| 2 | IRP Cap Perimeter Fence (1) | Oil hinges | oil oil | 5/28 DP 5/28 DP |

MONTHLY INSPECTION

Date/Time: 5/25/4 9:30 5/28/4 12:00 5:30 12:00 Weather Conditions: Cloudy 76° Cloudy 75°

Inspector(s): Tolson Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Monthly/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, "Operation and Maintenance Requirements Matrix" for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/8 diameter hail or larger, frequent lightning, and 2.5 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance Inspection performed following a severe weather event will count as an inspection for the specified period.

7.5 Samplers

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|----------------------------------|
| 1 | Samplers (1) | Portable samplers free of damages | S | | | |
| 2 | Samplers (1) | Locations according to Figures 7-1 and 7-2 | S | | | |

Note: (1) Indicate sampler identification in Required Action

7.7 Liquids

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|-----------------------------|--------------|----------------|-----------------|----------------------------------|
| 1 | Headwall Sumps (1) | Free of accumulated liquids | S | | | |
| 2 | Subsided Areas (If Any) (2) | Free of accumulated liquids | S | | | |
| 3 | Around MFCS (3) | Free of accumulated liquids | S | | | |

Note: (1) Indicate headwall sump, identification in Required Action. (2) Indicate liner panel location or area of IRP Cap in Required Action. (3) Indicate location in Required Action.

7.9 Miscellaneous Turf Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|-------------------------------------|----------------------------------|--------------|----------------|-----------------|----------------------------------|
| 1 | Borrow Pit - Turf (1) | Free of eroded areas | S | | | |
| 2 | Borrow Pit - Turf (1) | Free of erosion gullies | S | | | |
| 3 | Borrow Pit - Turf (1) | Free of debris along side-slopes | S | | | |
| 4 | Stockpile Pit - Turf (1) | Free of eroded areas | S | | | |
| 5 | Stockpile Pit - Turf (1) | Free of erosion gullies | S | | | |
| 6 | Stockpile Pit - Turf (1) | Free of debris along side-slopes | S | | | |
| 7 | Areas around the IRP Cap - Turf (1) | Free of eroded areas | S | | | |
| 8 | Areas around the IRP Cap - Turf (1) | Free of erosion gullies | S | | | |
| 9 | Areas around the IRP Cap - Turf (1) | Free of debris along side-slopes | S | | | |

Note: (1) Indicate designated area (Figure 7-1) in Required Action

MONTHLY INSPECTION

Date/Time: 6/15/04 1240 Weather Conditions: Cloudy 75°
 Inspector(s): Tom Stewart Type of Inspection (Circle One): General Inspection or **Following Severe Weather**

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annually/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance Inspection performed following a severe weather event will count as an inspection for the specific period.

3.1 Geomembrane Liner

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|----------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | IRP Cap (1) | Free of tears, penetrations, or thin spots in 45-mil reinforced polypropylene (liner). | S | | | |
| 2 | IRP Cap (1) | Sealed factory seams via visual site walk. | S | | | |
| 3 | IRP Cap (1) | Free of soft spots or wet areas | S | | | |
| 4 | Geomembrane Liner Boots (2) (83) | Free of tears, penetrations, or thin spots in transition of liner to liner boots | S | | | |
| 5 | Geomembrane Liner Boots (2) (83) | Free of liner fatigue, accumulated liquids, settlement, etc. at the sump extension | S | | | |
| 6 | Sump Extension (2) (83) | Free of tears, penetrations, or thin spots in transition of liner to liner boots | S | | | |
| 7 | Sump Extension (2) (83) | Integrity of sump lid | S | | | |
| 8 | Sump Extension (2) (83) | Integrity of geomembrane liner boots | S | | | |
| 9 | Data Logger (2) | Integrity of data logger system in extended sump | S | | | |

Note: (1) For repairs, see Appendix C-1 for the 45-mil reinforced polypropylene repair procedure. (2) Indicate sump extension identification in Required Action. See Appendix C-2 for sump lid and data logger removal/re-installation procedure and calibrate the data logger (if required) in accordance with Appendix E-3. (3) If settlement, see Appendix C-4 for the repair procedure and detailed documentation.

3.3 Subsidence

| Number | Operation and Maintenance Item | Inspection Item | Approximate Water Depth (inches) | Approximate Area (SF) | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--------------------------------------|----------------------------------|-----------------------|-----------------|-------------------------------|
| 1 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 2 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 3 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 4 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 5 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 6 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 7 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 8 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 9 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 10 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |

Note: (1) See Appendix C-4 for repair procedure and detailed documentation.

MONTHLY INSPECTION

Date/Time: 6/15/04 13⁰⁰
 Inspector(s): Tom Stewart

Weather Conditions: Cloudy 75°

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspector and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.4 Anchorage Trenches

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|---|----------------|-----------------|-------------------------------|
| 1 | Interior Anchor Trenches | Free of pull out liner | S S S S S S S S S S S S S S S S S S S | | | |
| 2 | Interior Anchor Trenches | Free of tears, penetrations, or thin spots in liner | | | | |
| 3 | Interior Anchor Trenches | Geotextile fabric free of damages, if exposed | | | | |
| 4 | Interior Anchor Trenches | Free of soft spots or wet areas | | | | |
| 5 | North Perimeter Anchor Trench | Free of pull out liner | | | | |
| 6 | North Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | | | | |
| 7 | North Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | | | | |
| 8 | North Perimeter Anchor Trench | Free of soft spots or wet areas | | | | |
| 9 | East Perimeter Anchor Trench | Free of pull out liner | | | | |
| 10 | East Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | | | | |
| 11 | East Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | | | | |
| 12 | East Perimeter Anchor Trench | Free of soft spots or wet areas | | | | |
| 13 | South Perimeter Anchor Trench | Free of pull out liner | | | | |
| 14 | South Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | | | | |
| 15 | South Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | | | | |
| 16 | South Perimeter Anchor Trench | Free of soft spots or wet areas | | | | |
| 17 | West Perimeter Anchor Trench | Free of pull out liner | | | | |
| 18 | West Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | | | | |
| 19 | West Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | | | | |
| 20 | West Perimeter Anchor Trench | Free of soft spots or wet areas | | | | |

Note: (1) Indicate which interior anchor trench in the Required Action.

MONTHLY INSPECTION

Date/Time: 6/15/04 1340

Weather Conditions: Cloudy 75°

Inspector(s): Tom Stewart

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Fortnightly/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, "Operation and Maintenance Requirements Matrix" for reporting/documental on requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: hail storms, ice storms, tornadoes, wind measuring 50 knots (58 mph) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.5 Articulating Concrete Blocks (AB) System

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|----------------------------------|
| 1 | North Perimeter Channel | Free of broken concrete blocks | S | | | |
| 2 | North Perimeter Channel | Liner free of tears, penetrations, or thin spots | S | | | |
| 3 | North Perimeter Channel | Free of vegetative growth impeding channel flow | S | | | |
| 4 | North Perimeter Channel | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 5 | North Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | S | | | |
| 6 | East Perimeter Channel | Free of broken concrete blocks | S | | | |
| 7 | East Perimeter Channel | Liner free of tears, penetrations, or thin spots | S | | | |
| 8 | East Perimeter Channel | Free of vegetative growth which decreases channel capacity | S | | | |
| 9 | East Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | S | | | |
| 10 | SE Perimeter Channel * | Free of broken concrete blocks | S | | | |
| 11 | SE Perimeter Channel | Liner free of tears, penetrations, or thin spots | S | | | |
| 12 | SE Perimeter Channel | Free of vegetative growth which decreases channel capacity | S | | | |
| 13 | SE Perimeter Channel | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 14 | SE Perimeter Channel | Cementitious fill material in the center is free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 15 | SE Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | S | | | |
| 16 | Interior Y-Channel | Free of broken concrete blocks | S | | | |
| 17 | Interior Y-Channel | Liner free of tears, penetrations, or thin spots | S | | | |
| 18 | Interior Y-Channel | Free of vegetative growth impeding channel flow | S | | | |
| 19 | Interior Y-Channel | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 20 | Interior Y-Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | S | | | |

* Severe weather (6/12/04) caused displacement/bunching of AB Mats
Repairs made on 6/16/04

Date/Time: 6/15/04 1500 MONTHLY INSPECTION Weather Conditions: Cloudy 75°
 Inspector(s): Tom Stewart Type of Inspection (Circle One): General Inspection or Following Severe Weather

- See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
- Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (55 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity short-duration storm event with an intensity of 1 inch per hour.
- An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.6 Northeast Corner Piping

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Manhole #1 | Manhole lid secure attached and flush with ground surface | S | | | |
| 2 | Manhole #2 | Manhole lid secure attached and flush with ground surface | S | | | |
| 3 | Upstream Headwall | Headwall invert/culvert (trash grate/restricting plate) free of debris | S | | | |
| 4 | Upstream Headwall | Headwall invert/culvert free of debris | S | | | |

3.7 Former Leachate Storage Facility Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | LSF Tank 1 (1) | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 2 | LSF Tank 1 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 3 | LSF Tank 2 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 4 | LSF Tank 2 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 5 | LSF Tank 3 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 6 | LSF Tank 3 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 7 | LSF Tank 4 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 8 | LSF Tank 4 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 9 | Rectifier Box for the Cathodic Protection System | Record the Direct Current Reading <u>6.3</u> Volts | S | | | |
| 10 | Rectifier Box for the Cathodic Protection System | Record the Amps Output Reading <u>1.85</u> | S | | | |

Notes: (1) Opening of LSF Tank 1 access and vent riser shall be in accordance with the Commonwealth Procedures. (2) If settlement, see Appendix C-4 for the repair procedure and detailed documentation.

Date/Time: ^{TS} ~~TS~~ 6/15/04

^{TS} 1520

MONTHLY INSPECTION

Weather Conditions:

Cloudy 75°

Inspector(s): Tom Stewart

Type of Inspection: (Circle One): General Inspection or Following Severe Weather

- See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- See Appendix A-1, "Operation and Maintenance Requirements Matrix" or reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
- Severe Weather conditions include, but not limited to, the following: hailstorms, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
- An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified condition.

4.1 Principal Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|----------------------------------|
| 1 | Ultrasonic Flow Recorder | Calibrated reading measurement compares with staff gauge measurement | S | | | |
| 2 | Riprap | Free of debris | S | | | |
| 3 | Riprap | Free of riprap washout compromising side-slopes | S | | | |
| 4 | Riprap | If exposed, geotextile fabric free of damages | S | | | |
| 5 | Riprap | Free of silt/sediment accumulation >3 inches | S | | | |

4.2 Emergency Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|----------------------------------|
| 1 | Gabion Basket System (1) | Free of debris | S | | | |
| 2 | Gabion Basket System (1) | Free of riprap washout compromising integrity of basket system | S | | | |

Note: (1) To maintain integrity, a spray rust preventative product may be used on an as needed basis and note in the Required Action.

4.3 Embankment

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--------------------------------------|--------------|----------------|-----------------|----------------------------------|
| 1 | Embankment | Slide-slopes free of debris | S | | | |
| 2 | Embankment | Slide-slopes free of erosion gullies | S | | | |
| 3 | Embankment | Free of eroded areas | S | | | |

MONTHLY INSPECTION

Date/Time: 6/15/04 1320 Weather Conditions: Cloudy 750
 Inspector(s): Tom Stewart Type of Inspection (Circle One): General Inspection or **Following Severe Weather**

1. See Appendix A-2, "Inspector Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Monthly/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documenting requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: hail storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

4.4 Basin Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Riprap | Free of debris | S | | | |
| 2 | Riprap | Free of riprap washout compromising side-slopes | S | | | |
| 3 | Riprap | If exposed, geotextile fabric free of damages | S | | | |
| 4 | Riprap | Free of silt/sediment accumulation >3 inches | S | | | |
| 5 | Gabion Basket System 1 | Free of debris | S | | | |
| 6 | Gabion Basket System 1 | Free of riprap washout compromising basket system | S | | | |

Note: (1) To maintain integrity, a spray rust preventative product may be used on an as needed basis and note in the Required Action.

5.2 South Drain Inlet Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Riprap | Free of debris | S | | | |
| 2 | Riprap | No riprap washout compromising side-slopes | S | | | |
| 3 | Gabion Basket System (1) | Free of debris | S | | | |
| 4 | Gabion Basket System (1) | Free of riprap washout compromising basket system | S | | | |

Note: (1) To maintain integrity, a spray rust preventative product may be used on an as needed basis and note in the Required Action.

6.1 SE Cap Geomembrane Liner

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Geomembrane Liner | Free of exposed liner in turf | S | | | |
| 2 | Geomembrane Liner | If liner is exposed, free of penetrations/tear/rip spots | S | | | |

6.2 SE Cap Turf

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|------------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Turf | Free of eroded areas | S | | | |
| 2 | Turf | Free of erosion gullies | S | | | |
| 3 | Turf | Free of signs of burrowing animals | S | | | |

Date/Time: 6/15/04 1530 Weather Conditions: Cloudy 75°
 Inspector(s): Tom Stewart Type of Inspection (Circle One): General Inspection or Following Severe Weather

- See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
- Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, ice masses, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
- An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

6.3 SE Cap Riprap Outlet

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Riprap Outlet | Free of riprap washout compromising side-slopes | S | | | |
| 2 | Riprap | If exposed, geocomposite drainage net free of damages | S | | | |
| 3 | Riprap Outlet | Free of debris | S | | | |

6.4 SE Cap Tie-In

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | IRP Cap Tie-In | Transition of the IRP Cap with Southeast Cap is free of imperfections | S | | | |

7.1 MFDS Roadways

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|----------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Site Access Roadway | Free of ruts and potholes | S | | | |
| 2 | Site Access Roadway | No aggregate wash-out | S | | | |
| 3 | North Perimeter Roadway | Free of ruts and pot holes | S | | | |
| 4 | North Perimeter Roadway | No aggregate wash-out | S | | | |
| 5 | East Perimeter Roadway | Free of ruts and pot holes | S | | | |
| 6 | East Perimeter Roadway | No aggregate wash-out | S | | | |
| 7 | South Perimeter Roadway | Free of ruts and pot holes | S | | | |
| 8 | South Perimeter Roadway | No aggregate wash-out | S | | | |
| 9 | West Perimeter Roadway | Free of ruts and pot holes | S | | | |
| 10 | West Perimeter Roadway | No aggregate wash-out | S | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Product Name | Action Completed Date/Initial |
|--------|-----------------------------------|-----------------|--------------|-------------------------------|
| 1 | North Perimeter Fence Site Access | Oil hinges | S | |
| 2 | IRP Cap Perimeter Fence (1) | Oil hinges | S | |

MONTHLY INSPECTION

Date/Time: 6/15/04 1535 Weather Conditions: Cloudy 75°
 Inspector(s): Tom Stewart Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

7.5 Samplers

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Samplers (1) | Portable samplers free of damages | S | | | |
| 2 | Samplers (1) | Locations according to Figures 7-1 and 7-2 | S | | | |

Note: (1) Indicate sampler identification in Required Action

7.7 Liquids

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|-----------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Headwall Sumps (1) | Free of accumulated liquids | S | | | |
| 2 | Subsided Areas (if Any) (2) | Free of accumulated liquids | S | | | |
| 3 | Around MFDS (3) | Free of accumulated liquids | S | | | |

Note: (1) Indicate headwall sump, identification in Required Action. (2) Indicate liner panel location or area of IRP Cap in Required Action. (3) Indicate location in Required Action.

7.9 Miscellaneous Turf Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|-------------------------------------|----------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Borrow Pit - Turf (1) | Free of eroded areas | S | | | |
| 2 | Borrow Pit - Turf (1) | Free of erosion gullies | S | | | |
| 3 | Borrow Pit - Turf (1) | Free of debris along side-slopes | S | | | |
| 4 | Stockpile Pit - Turf (1) | Free of eroded areas | S | | | |
| 5 | Stockpile Pit - Turf (1) | Free of erosion gullies | S | | | |
| 6 | Stockpile Pit - Turf (1) | Free of debris along side-slopes | S | | | |
| 7 | Areas around the IRP Cap - Turf (1) | Free of eroded areas | S | | | |
| 8 | Areas around the IRP Cap - Turf (1) | Free of erosion gullies | S | | | |
| 9 | Areas around the IRP Cap - Turf (1) | Free of debris along side-slopes | S | | | |

Note: (1) Indicate designated area (Figure 7-4) in Required Action

INCIDENT REPORT

Date: July 12, 2004

Location: South Channel – north side of curve in channel; leading into the East Detention Pond.

What: Movement of AB Mats

When: Weekend of July 10, 2004
First noticed on Monday, July 12, 2004 during morning fence inspection.

Description: AB Mats blocks slid from the outer side toward center of channel causing individual blocks to become lodged upon one another in the center of the channel. Areas can be seen along sides of mats where sliding occurred.

Mats also show signs of sliding down channel toward the HDB. At the end of the channel where the geo-membrane liner stops, AB Mats stopped sliding.

Approximately 50 feet north from edge of grouted section, minor or no disturbance.

Approximately 140 feet north of grouted section is where the major disturbance started. From this point there were 27 AB Mats that were moved. AB Mats slid from the west side 1-2 feet toward center of channel and an estimated 4 feet down channel. Markings on liner indicates sliding down channel.

No damage to geo-membrane liner could be seen.

Rain event: No other significant amount of rain occurred during the month of July.

| | | | | | |
|--------------|----------------------|---------------|----------------------|---------------|----------------------|
| 7/9/04 (Fri) | 17:00 - 18:00 - 0.00 | 7/10/04 (Sat) | 13:00 - 14:00 - 0.13 | 7/11/04 (Sun) | 09:00 - 10:00 - 0.12 |
| | 18:00 - 19:00 - 0.00 | | 16:00 - 17:00 - 0.61 | | 10:00 - 11:00 - 0.05 |
| | 19:00 - 20:00 - 1.00 | | 17:00 - 18:00 - 0.83 | | 15:00 - 16:00 - 0.19 |

Date/Time: 7/12/4 9:00 - 2:00
7/13/4 9:00 - 11:30

MONTHLY INSPECTION

Weather Conditions: (12) Partly Cloudy 80°
(13) Sun 80°

Inspector(s): POHLY & STAMER

Type of Inspection (Circle One): General Inspection or Following Severe Weather

- See Appendix A-2, "Inspection Frequency Matrix" for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix" for response time.
- Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
- An Operator and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.1 Geomembrane Liner

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|----------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | IRP Cap (1) | Free of tears, penetrations, or thin spots in 45-mil reinforced polypropylene (liner). | S | | | |
| 2 | IRP Cap (1) | Sealed factory seams via visual site walk. | S | | | |
| 3 | IRP Cap (1) | Free of soft spots or wet areas | S | | | |
| 4 | Geomembrane Liner Boots (2) (83) | Free of tears, penetrations, or thin spots in transition of liner to liner boots | S | | | |
| 5 | Geomembrane Liner Boots (2) (83) | Free of liner fatigue, accumulated liquids, settlement, etc. at the sump extension | S | | | |
| 6 | Sump Extension (2) (83) | Free of tears, penetrations, or thin spots in transition of liner to liner boots | S | | | |
| 7 | Sump Extension (2) (83) | Integrity of sump lid | S | | | |
| 8 | Sump Extension (2) (83) | Integrity of geomembrane liner boots | S | | | |
| 9 | Data Logger (2) | Integrity of data logger system in extended sump | S | | | |

Note: (1) For repairs, see Appendix C-1 for the 45-mil reinforced polypropylene repair procedure. (2) Indicate sump extension identification in Required Action. See Appendix C-2 for sump lid and data logger removable/re-installation procedure and calibrate the data logger (if required) in accordance with Appendix E-3. (3) If settlement, see Appendix C-4 for the repair procedure and detailed documentation.

3.3 Subsidence

| Number | Operation and Maintenance Item | Inspection Item | Approximate Water Depth (inches) | Approximate Area (SF) | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--------------------------------------|----------------------------------|-----------------------|-----------------|-------------------------------|
| 1 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 2 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 3 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 4 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 5 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 6 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 7 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 8 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 9 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 10 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |

Note: (1) See Appendix C-4 for repair procedure and detailed documentation.

MONTHLY INSPECTION

Date/Time: 7-18-4 9:00-2:00
7-13-4 9:00-11:30

Weather Conditions: (12) Partly Cloudy 80°
(13) Sun 80°

Inspector(s): POLLITT & STAMPER Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual); and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.4 Anchorage Trenches

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Interior Anchor Trenches | Free of pull out liner | S | | | |
| 2 | Interior Anchor Trenches | Free of tears, punctures, or thin spots in liner | S | | | |
| 3 | Interior Anchor Trenches | Geotextile fabric free of damages, if exposed | S | | | |
| 4 | Interior Anchor Trenches | Free of soft spots or wet areas | S | | | |
| 5 | North Perimeter Anchor Trench | Free of pull out liner | S | | | |
| 6 | North Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | S | | | |
| 7 | North Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | S | | | |
| 8 | North Perimeter Anchor Trench | Free of soft spots or wet areas | S | | | |
| 9 | East Perimeter Anchor Trench | Free of pull out liner | S | | | |
| 10 | East Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | S | | | |
| 11 | East Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | S | | | |
| 12 | East Perimeter Anchor Trench | Free of soft spots or wet areas | S | | | |
| 13 | South Perimeter Anchor Trench | Free of pull out liner | S | | | |
| 14 | South Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | S | | | |
| 15 | South Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | S | | | |
| 16 | South Perimeter Anchor Trench | Free of soft spots or wet areas | S | | | |
| 17 | West Perimeter Anchor Trench | Free of pull out liner | S | | | |
| 18 | West Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | S | | | |
| 19 | West Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | S | | | |
| 20 | West Perimeter Anchor Trench | Free of soft spots or wet areas | S | | | |

Note: (1) Indicate which interior anchor trench in the Required Action.

7-12-4 9:00 - 2:00

Date/Time: 7-18-4 9:00 - 11:30

MONTHLY INSPECTION

Weather Conditions: (12) P. Cloudy 80°
(13) SUN 80°

Inspector(s): POLLIT & STAMBER

Type of Inspection (Circle One): General Inspection or Following Severe Weather

- See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-5, "Repair Response Matrix" for response time.
- Severe weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 mi per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shower duration storm event with an intensity of 1 inch per hour.
- An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.5 Articulating Concrete Blocks (AB) System

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|--------------------|-------------------------------|
| 1 | North Perimeter Channel | Free of broken concrete blocks | S | | | |
| 2 | North Perimeter Channel | Liner free of tears, penetrations, or thin spots | S | | | |
| 3 | North Perimeter Channel | Free of vegetative growth impeding channel flow | S | | | |
| 4 | North Perimeter Channel | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 5 | North Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | S | | | |
| 6 | East Perimeter Channel | Free of broken concrete blocks | S | | | |
| 7 | East Perimeter Channel | Liner free of tears, penetrations, or thin spots | S | | | |
| 8 | East Perimeter Channel | Free of vegetative growth which decreases channel capacity | S | | | |
| 9 | East Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | S | | | |
| 10 | SE Perimeter Channel | Free of broken concrete blocks | | * U | Re-Positioned Mats | |
| 11 | SE Perimeter Channel | Liner free of tears, penetrations, or thin spots | S | | Train wreck | |
| 12 | SE Perimeter Channel | Free of vegetative growth which decreases channel capacity | S | | | |
| 13 | SE Perimeter Channel | Cementitious fill material free of dead-man's free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 14 | SE Perimeter Channel | Cementitious fill material in the corner is free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 15 | SE Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | S | | | |
| 16 | Interior Y-Channel | Free of broken concrete blocks | S | | | |
| 17 | Interior Y-Channel | Liner free of tears, penetrations, or thin spots | S | | | |
| 18 | Interior Y-Channel | Free of vegetative growth impeding channel flow | S | | | |
| 19 | Interior Y-Channel | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 20 | Interior Y-Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | S | | | |

* Conference calls held with demaris & EPA on July 22 & July 29.
Report attached.

Date/Time: 7-12-4 9:00 - 2:00
7-18-4 9:00 - 11:30

MONTHLY INSPECTION

Weather Conditions: (2) P. Cloudy 80°
(13) SUN 80°

Inspector(s): POLLITT & STAMPER

Type of Inspection (Circle One): General Inspection or Following Severe Weather

- See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- See Appendix A-1, Operation and Maintenance Requirements Matrix for recording/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
- Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (53 miles per hour) or greater, approx. 3/4 diameter hail or larger, frequent lightning and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
- An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.6 Northeast Corner Piping

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Manhole #1 | Manhole lid secure attached and flush with ground surface | S | | | |
| 2 | Manhole #2 | Manhole lid secure attached and flush with ground surface | S | | | |
| 3 | Upstream Headwall | Headwall invert/culvert (trash grate/restricting plate) free of debris | S | | | |
| 4 | Upstream Headwall | Headwall invert/culvert free of debris | S | | | |

3.7 Former Leachate Storage Facility Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | LSF Tank 1 (1) | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 2 | LSF Tank 1 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 3 | LSF Tank 2 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 4 | LSF Tank 2 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 5 | LSF Tank 3 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 6 | LSF Tank 3 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 7 | LSF Tank 4 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 8 | LSF Tank 4 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 9 | Rectifier Box for the Cathodic Protection System | Record the Direct Current Reading _____ | S | | | |
| 10 | Rectifier Box for the Cathodic Protection System | Record the Amps Output Reading _____ | S | | | |

Notes: (1) Opening of LSF Tank 1 access and vent riser shall be in accordance with the Commonwealth Procedures. (2) If settlement, see Appendix C-4 for the repair procedure and detailed documentation.

7-12-4 9:00-2:00

Date/Time: 7-13-4 9:00-11:30

MONTHLY INSPECTION

Weather Conditions: (12) P. Cloudy 80°
(13) Sun 80°

Inspector(s) Politt & Stamer

Type of Inspection (Circle One): General Inspection or Following Severe Weather

- See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
- Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
- An Operator and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

4.1 Principal Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Ultrasonic Flow Recorder | Calibrated reading measurement; compares with staff gauge measurement | S | | | |
| 2 | Riprap | Free of debris | S | | | |
| 3 | Riprap | Free of riprap washout compromising side-slopes | S | | | |
| 4 | Riprap | If exposed, geotextile fabric free of damages | S | | | |
| 5 | Riprap | Free of silt/acidment accumulation >3 inches | S | | | |

4.2 Emergency Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Gabion Basket System (1) | Free of debris | S | | | |
| 2 | Gabion Basket System (1) | Free of riprap washout compromising integrity of basket system | S | | | |

Note: (1) To maintain integrity, a spray rust preventative product may be used on an as needed basis and note in the Required Action

4.3 Embankment

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--------------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Embankment | Slide-slopes free of debris | S | | | |
| 2 | Embankment | Slide-slopes free of erosion gullies | S | | | |
| 3 | Embankment | Free of eroded areas | S | | | |

7-12-4 9:00 - 2:00

Date/Time: 7-13-4 9:00 - 11:30

MONTHLY INSPECTION

Weather Conditions: (12) P. Cloudy 80°
(13) SUN 80°

Inspector(s): POLLITT & STAMPER

Type of Inspection (Circle One): General Inspection or Following Severe Weather

- See Appendix A-2, "Inspector Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- See Appendix A-1, "Operation and Maintenance Requirements Matrix" for reporting/occurrence/alignment requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
- Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornados, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
- An Operation and Maintenance Inspection performed following a severe weather event will count as an inspection for the specified period.

4.4 Basin Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Riprap | Free of debris | S | | | |
| 2 | Riprap | Free of riprap washout compromising side-slopes | S | | | |
| 3 | Riprap | If exposed, geotextile fabric free of damages | S | | | |
| 4 | Riprap | Free of silt/sediment accumulation >3 inches | S | | | |
| 5 | Gabion Basket System 1 | Free of debris | S | | | |
| 6 | Gabion Basket System 1 | Free of riprap washout compromising basket system | S | | | |

Note: (1) To maintain integrity, a spray rust preventative product may be used on an as needed basis and note in the Required Action.

5.2 South Drain Inlet Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Riprap | Free of debris | S | | | |
| 2 | Riprap | No riprap washout compromising side-slopes | S | | | |
| 3 | Gabion Basket System (1) | Free of debris | S | | | |
| 4 | Gabion Basket System (1) | Free of riprap washout compromising basket system | S | | | |

Note: (1) To maintain integrity, a spray rust preventative product may be used on an as needed basis and note in the Required Action.

6.1 SE Cap Geomembrane Liner

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Geomembrane Liner | Free of exposed liner in turf | S | | | |
| 2 | Geomembrane Liner | If liner is exposed, free of penetrations/tears/thin spots | S | | | |

6.2 SE Cap Turf

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|------------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Turf | Free of eroded areas | S | | | |
| 2 | Turf | Free of erosion gullies | S | | | |
| 3 | Turf | Free of signs of burrowing animals | S | | | |

7/14/4 9:00 - 2:00
 Date/Time: 7/13/4 9:00 - 11:30

MONTHLY INSPECTION

Weather Conditions: (10) P. Cloudy 80°
 (13) SUN 80°

Inspector(s): POLLIN & STAMPER

Type of Inspection (Circle One): General Inspection or Following Severe Weather

- See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- See Appendix A-1, "Operation and Maintenance Requirements Matrix" for reporting/documentation requirements and Appendix A-3, "Repair Response Matrix", for response time.
- Severe weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 7.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
- An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

6.3 SE Cap Riprap Outlet

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Riprap Outlet | Free of riprap washout compromising side-slopes | S | | | |
| 2 | Riprap | Exposed geocomposite drainage net; free of damages | S | | | |
| 3 | Riprap Outlet | Free of debris | S | | | |

6.4 SE Cap Tie-In

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | IRP Cap Tie-in | Transition of the IRP Cap with Southeast Cap intact/free of liner pull out | S | | | |

7.1 MFDS Roadways

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|----------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Site Access Roadway | Free of ruts and pot holes | S | | | |
| 2 | Site Access Roadway | No aggregate wash-out | S | | | |
| 3 | North Perimeter Roadway | Free of ruts and pot holes | S | | | |
| 4 | North Perimeter Roadway | No aggregate wash-out | S | | | |
| 5 | East Perimeter Roadway | Free of ruts and pot holes | S | | | |
| 6 | East Perimeter Roadway | No aggregate wash-out | S | | | |
| 7 | South Perimeter Roadway | Free of ruts and pot holes | S | | | |
| 8 | South Perimeter Roadway | No aggregate wash-out | S | | | |
| 9 | West Perimeter Roadway | Free of ruts and pot holes | S | | | |
| 10 | West Perimeter Roadway | No aggregate wash-out | S | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Product Name | Action Completed Date/Initial |
|--------|-----------------------------------|-----------------|--------------|-------------------------------|
| 1 | North Perimeter Fence Site Access | Oil hinges | Penzoil | 7/13/4 DP |
| 2 | IRP Cap Perimeter Fence (1) | Oil hinges | " | 7/13/4 DP |

7-12-4 9:00 - 2:00

MONTHLY INSPECTION

Date/Time: 7-13-4 9:00 - 11:30

Weather Conditions: (2) Partly Cloudy 80°
(15) SUN 80°

Inspector(s): Pollara & Stamber

Type of Inspection (Circle One): General Inspection or Following Severe Weather

- See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- See Appendix A-1, Operation and Maintenance Requirements Matrix for recording/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
- Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
- An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

7.5 Samplers

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Samplers (1) | Portable samplers free of damages | S | | | |
| 2 | Samplers (1) | Locations according to Figures 7-1 and 7-2 | S | | | |

Note: (1) Indicate sampler identification in Required Action.

7.7 Liquids

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|-----------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Headwall Sumps (1) | Free of accumulated liquids | S | | | |
| 2 | Subsided Areas (if Any) (2) | Free of accumulated liquids | S | | | |
| 3 | Around MFDS (3) | Free of accumulated liquids | S | | | |

Note: (1) Indicate headwall sump identification in Required Action. (2) Indicate liner panel location or area of IRP Cap in Required Action. (3) Indicate location in Required Action.

7.9 Miscellaneous Turf Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|-------------------------------------|----------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Borrow Pit - Turf (1) | Free of eroded areas | S | | | |
| 2 | Borrow Pit - Turf (1) | Free of erosion gullies | S | | | |
| 3 | Borrow Pit - Turf (1) | Free of debris along side-slopes | S | | | |
| 4 | Stockpile Pit - Turf (1) | Free of eroded areas | S | | | |
| 5 | Stockpile Pit - Turf (1) | Free of erosion gullies | S | | | |
| 6 | Stockpile Pit - Turf (1) | Free of debris along side-slopes | S | | | |
| 7 | Areas around the IRP Cap - Turf (1) | Free of eroded areas | S | | | |
| 8 | Areas around the IRP Cap - Turf (1) | Free of erosion gullies | S | | | |
| 9 | Areas around the IRP Cap - Turf (1) | Free of debris along side-slopes | S | | | |

Note: (1) Indicate designated area (Figure 7-4) in Required Action.

Date/Time: 8-5-4 1:00-3:00
8-6-4 9:00-2:30

MONTHLY INSPECTION

Weather Conditions: Sun 77° Sun 74°

Inspector(s): Paul & Stewart

Type of Inspector (Circle One): General Inspection or Following Severe Weather

- See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual); and following severe weather.
- See Appendix A-1, "Operation and Maintenance Requirements Matrix" for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
- Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, hurricanes, wind measuring 50 knots (55 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
- An Operation and Maintenance inspector performed following a severe weather event will count as an inspector for the specified period.

3.1 Geomembrane Liner

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|----------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | IRP Cap (*) | Free of tears, penetrations, or thin spots in 45-mil reinforced polypropylene (liner). | S | | | |
| 2 | IRP Cap (1) | Sealed factory seams via visual site walk | S | | | |
| 3 | IRP Cap (1) | Free of soft spots or wet areas | S | | | |
| 4 | Geomembrane Liner Boots (2) (83) | Free of tears, penetrations, or thin spots in transition of liner to liner boots | S | | | |
| 5 | Geomembrane Liner Boots (2) (83) | Free of liner fatigue, accumulated liquids, settlement, etc. at the sump extension | S | | | |
| 6 | Sump Extension (2) (83) | Free of tears, penetrations, or thin spots in transition of liner to liner boots | S | | | |
| 7 | Sump Extension (2) (83) | Integrity of sump lid | S | | | |
| 8 | Sump Extension (2) (83) | Integrity of geomembrane liner boots | S | | | |
| 9 | Data Logger (2) | Integrity of data logger system in extended sump | S | | | |

Note: (1) For repairs, see Appendix C-1 for the 45-mil reinforced polypropylene repair procedure. (2) Indicate sump extension identification in Required Action. See Appendix C-2 for sump lid and data logger removable/re-installation procedure and calibrate the data logger (if required) in accordance with Appendix E-3. (3) If settlement, see Appendix C-4 for the repair procedure and detailed documentation.

3.3 Subsidence

| Number | Operation and Maintenance Item | Inspection Item | Approximate Water Depth (inches) | Approximate Area (SF) | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--------------------------------------|----------------------------------|-----------------------|-----------------|-------------------------------|
| 1 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 2 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 3 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 4 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 5 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 6 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 7 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 8 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 9 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 10 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |

Note: (1) See Appendix C-4 for repair procedure and detailed documentation.

MONTHLY INSPECTION

Date/Time: 8-5-4 1:00-3:00
8-6-4 9:00-2:30

Weather Conditions: Clear 77° Clear 74°

Inspector(s): Palick & Grouzet

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response times.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.4 Anchorage Trenches

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Interior Anchor Trenches | Free of pull out liner | S | | | |
| 2 | Interior Anchor Trenches | Free of tears, punctures, or thin spots in liner | S | | | |
| 3 | Interior Anchor Trenches | Geotextile fabric free of damages, if exposed | S | | | |
| 4 | Interior Anchor Trenches | Free of soft spots or wet areas | S | | | |
| 5 | North Perimeter Anchor Trench | Free of pull out liner | S | | | |
| 6 | North Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | S | | | |
| 7 | North Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | S | | | |
| 8 | North Perimeter Anchor Trench | Free of soft spots or wet areas | S | | | |
| 9 | East Perimeter Anchor Trench | Free of pull out liner | S | | | |
| 10 | East Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | S | | | |
| 11 | East Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | S | | | |
| 12 | East Perimeter Anchor Trench | Free of soft spots or wet areas | S | | | |
| 13 | South Perimeter Anchor Trench | Free of pull out liner | S | | | |
| 14 | South Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | S | | | |
| 15 | South Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | S | | | |
| 16 | South Perimeter Anchor Trench | Free of soft spots or wet areas | S | | | |
| 17 | West Perimeter Anchor Trench | Free of pull out liner | S | | | |
| 18 | West Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | S | | | |
| 19 | West Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | S | | | |
| 20 | West Perimeter Anchor Trench | Free of soft spots or wet areas | S | | | |

Note: (1) Indicate which Interior anchor trench in the Required Action.

MONTHLY INSPECTION

Date/Time: 8-5-4 1:00 - 3:00
8-6-4 9:00 - 2:30

Weather Conditions: Low 77° Sun 74°

Inspector(s): P. [Signature] & S. [Signature]

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning and 2.0 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.5 Articulating Concrete Blocks (AB) System

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|--|----------------------------------|
| 1 | North Perimeter Channel | Free of broken concrete blocks | S | | | |
| 2 | North Perimeter Channel | Liner free of tears, penetrations, or thin spots | S | | | |
| 3 | North Perimeter Channel | Free of vegetative growth impeding channel flow | S | | | |
| 4 | North Perimeter Channel | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 5 | North Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | S | | | |
| 6 | East Perimeter Channel | Free of broken concrete blocks | S | | | |
| 7 | East Perimeter Channel | Liner free of tears, penetrations, or thin spots | S | | | |
| 8 | East Perimeter Channel | Free of vegetative growth which decreases channel capacity | S | | | |
| 9 | East Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | S | | | |
| 10 | SE Perimeter Channel | Free of broken concrete blocks | | U | Repaired To Proper DEVICES NOT Completed | |
| 11 | SE Perimeter Channel | Liner free of tears, penetrations, or thin spots | S | | | |
| 12 | SE Perimeter Channel | Free of vegetative growth which decreases channel capacity | S | | | |
| 13 | SE Perimeter Channel | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 14 | SE Perimeter Channel | Cementitious fill material in the corner is free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 15 | SE Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | S | | | |
| 16 | Interior Y-Channel | Free of broken concrete blocks | S | | | |
| 17 | Interior Y-Channel | Liner free of tears, penetrations, or thin spots | S | | | |
| 18 | Interior Y-Channel | Free of vegetative growth impeding channel flow | S | | | |
| 19 | Interior Y-Channel | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 20 | Interior Y-Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | S | | | |

MONTHLY INSPECTION

Date/Time: 8-5-4
8:4

Weather Conditions: Sun 77° Sun 74°

Inspector(s): Pacheco & Stewart & Dransner

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, 'Inspection Frequency Matrix', for type of Inspect or and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and 'following severe weather'.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, 'Repair Response Matrix', for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.6 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1" inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.6 Northeast Corner Piping

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed |
|--------|--------------------------------|---|--------------|----------------|-----------------|------------------|
| | | | | | | Date/Initial |
| 1 | Manhole #1 | Manhole lid secure attached and flush with ground surface | S | | | |
| 2 | Manhole #2 | Manhole lid secure attached and flush with ground surface | S | | | |
| 3 | Upstream Headwall | Headwall invert/divert (trash grate/restricting plate) free of debris | S | | | |
| 4 | Upstream Headwall | Headwall invert/divert free of debris | S | | | |

3.7 Former Leachate Storage Facility Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed |
|--------|--|---|--------------|----------------|-----------------|------------------|
| | | | | | | Date/Initial |
| 1 | LSF Tank 1 (1) | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 2 | LSF Tank 1 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 3 | LSF Tank 2 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 4 | LSF Tank 2 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 5 | LSF Tank 3 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 6 | LSF Tank 3 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 7 | LSF Tank 4 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 8 | LSF Tank 4 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 9 | Rectifier Box for the Cathodic Protection System | Record the Direct Current Reading _____ | S | | | |
| 10 | Rectifier Box for the Cathodic Protection System | Record the Amps Output Reading _____ | S | | | |

Note: (1) Opening of LSF Tank 1 access and vent riser shall be in accordance with the Construction Procedures. (2) If settlement, see Appendix C-4 for the repair procedure and detailed documentation.

MONTHLY INSPECTION

Date/Time: 8-5-4 1:00 - 3:00
8-6-4 9:00 - 2:30

Weather Conditions: Sun 77° Sun 74°

Inspector(s): Scott Stanger

Type of Inspection (Circle One): General Inspection or **Following Severe Weather**

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

4.1 Principal Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | Unsatisfactory | | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|--|----------------|--|-----------------|----------------------------------|
| | | | | | | | | |
| 1 | Ultrasonic Flow Recorder | Calibrated reading measurement compares with staff gauge measurement | S | | | | | |
| 2 | Riprap | Free of debris | S | | | | | |
| 3 | Riprap | Free of riprap washout compromising side-slopes | S | | | | | |
| 4 | Riprap | If exposed, geotextile fabric free of damages | S | | | | | |
| 5 | Riprap | Free of silt/sediment accumulation >3 inches | S | | | | | |

4.2 Emergency Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | Unsatisfactory | | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|--|----------------|--|-----------------|----------------------------------|
| | | | | | | | | |
| 1 | Gabion Basket System (1) | Free of debris | S | | | | | |
| 2 | Gabion Basket System (*) | Free of riprap washout compromising integrity of basket system | S | | | | | |

Note: (*) To maintain integrity, a spray coat preventative product may be used on an as needed basis and note in the Required Action.

4.3 Embankment

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | | Unsatisfactory | | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|-------------------------------------|--------------|--|----------------|--|-----------------|----------------------------------|
| | | | | | | | | |
| 1 | Embankment | Side-slopes free of debris | S | | | | | |
| 2 | Embankment | Side-slopes free of erosion gullies | S | | | | | |
| 3 | Embankment | Free of eroded areas | S | | | | | |

MONTHLY INSPECTION

Date/Time: 8-5-4 1:00-3:00
8-6-4 9:00-11:00

Weather Conditions: Sun 77° Sun 74°

Inspector(s): Patricia Sweeney

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, "Operation and Maintenance Requirements Matrix for Reasoning/Documentation Requirements and Maintenance Activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 60 knots (68 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.0 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance Inspection performed following a severe weather event will count as an inspection for the specified period.

4.4 Basin Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|----------------------------------|
| 1 | Riprap | Free of debris | S | | | |
| 2 | Riprap | Free of riprap washout compromising side-slopes | S | | | |
| 3 | Riprap | If exposed, geotextile fabric free of damages | S | | | |
| 4 | Riprap | Free of silt/sediment accumulation >3 inches | S | | | |
| 5 | Gabion Basket System | Free of debris | S | | | |
| 6 | Gabion Basket System | Free of riprap washout compromising basket system | S | | | |

Note: (1) To maintain integrity, a spray rust preventative product may be used on an as needed basis and note in the Required Action.

5.2 South Drain Inlet Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|----------------------------------|
| 1 | Riprap | Free of debris | S | | | |
| 2 | Riprap | No riprap washout compromising side-slopes | S | | | |
| 3 | Gabion Basket System (1) | Free of debris | S | | | |
| 4 | Gabion Basket System (1) | Free of riprap washout compromising basket system | S | | | |

Note: (1) To maintain integrity, a spray rust preventative product may be used on an as needed basis and note in the Required Action.

6.1 SE Cap Geomembrane Liner

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|----------------------------------|
| 1 | Geomembrane Liner | Free of exposed liner in turf | S | | | |
| 2 | Geomembrane Liner | If liner is exposed, free of penetrations/tears/thin spots | S | | | |

6.2 SE Cap Turf

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|------------------------------------|--------------|----------------|-----------------|----------------------------------|
| 1 | Turf | Free of eroded areas | S | | | |
| 2 | Turf | Free of erosion gullies | S | | | |
| 3 | Turf | Free of signs of burrowing animals | S | | | |

MONTHLY INSPECTION

Date/Time: 8-5-4 1:00-3:00
8-6-4 9:00-2:30

Weather Conditions: 77 74°

Inspector(s): Scott - Stewart - Samples

Type of Inspection (Circle One): General Inspection or Following Severe Weather

- See Appendix A-2, 'Inspection Frequency Matrix', for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
- See Appendix A-1, 'Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, 'Repair Response Matrix', for response time.
- Severe Weather conditions include, but not limited to, the below: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 mph) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
- An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

6.3 SE Cap Riprap Outlet

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Riprap Outlet | Free of riprap washout compromising side-slopes | S | | | |
| 2 | Riprap | If exposed, geocorrposite drainage mat free of damages | S | | | |
| 3 | Riprap Outlet | Free of debris | S | | | |

6.4 SE Cap Tie-In

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | IRP Cap Tie-In | Transition of the IRP Cap with Southeast Cap intact/free of liner pull out | S | | | |

7.1 MFDS Roadways

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|----------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Site Access Roadway | Free of ruts and pot holes | S | | | |
| 2 | Site Access Roadway | No aggregate wash-out | S | | | |
| 3 | North Perimeter Roadway | Free of ruts and pot holes | S | | | |
| 4 | North Perimeter Roadway | No aggregate wash-out | S | | | |
| 5 | East Perimeter Roadway | Free of ruts and pot holes | S | | | |
| 6 | East Perimeter Roadway | No aggregate wash-out | S | | | |
| 7 | South Perimeter Roadway | Free of ruts and pot holes | S | | | |
| 8 | South Perimeter Roadway | No aggregate wash-out | S | | | |
| 9 | West Perimeter Roadway | Free of ruts and pot holes | S | | | |
| 10 | West Perimeter Roadway | No aggregate wash-out | S | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Product Name | Action Completed Date/Initial |
|--------|-----------------------------------|-----------------|--------------|-------------------------------|
| 1 | North Perimeter Fence Site Access | Oil hinges | Varolene | 8-6-4 |
| 2 | IRP Cap Perimeter Fence (1) | Oil hinges | Varolene | 8-6-4 |

MONTHLY INSPECTION

Date/Time: ~~8-5-4~~ 8-5-4 1:00 - 2:00
 8-6-4 9:00 - 2:30

Weather Conditions: Sun 77° Sun 74°

Inspector(s): Patell - Stewart - Strampel

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, "Operation and Maintenance Requirements Matrix for recording/documentation", requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.5 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

7.5 Samplers

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Samplers (1) | Portable samplers free of damages | S | | | |
| 2 | Samplers (1) | Locations according to Figures 7-1 and 7-2 | S | | | |

Note: (1) Indicate sampler identification in Required Action.

7.7 Liquids

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|-----------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Headwall Sumps (1) | Free of accumulated liquids | S | | | |
| 2 | Subsided Areas (If Any) (2) | Free of accumulated liquids | S | | | |
| 3 | Around MFDS (3) | Free of accumulated liquids | S | | | |

Note: (1) Indicate headwall sump identification in Required Action. (2) Indicate liner panel location or area of IRP Cap in Required Action. (3) Indicate location in Required Action.

7.9 Miscellaneous Turf Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|-------------------------------------|----------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Borrow Pit - Turf (1) | Free of eroded areas | S | | | |
| 2 | Borrow Pit - Turf (1) | Free of erosion gullies | S | | | |
| 3 | Borrow Pit - Turf (1) | Free of debris along side-slopes | S | | | |
| 4 | Stockpile Pit - Turf (1) | Free of eroded areas | S | | | |
| 5 | Stockpile Pit - Turf (1) | Free of erosion gullies | S | | | |
| 6 | Stockpile Pit - Turf (1) | Free of debris along side-slopes | S | | | |
| 7 | Areas around the IRP Cap - Turf (1) | Free of eroded areas | S | | | |
| 8 | Areas around the IRP Cap - Turf (1) | Free of erosion gullies | S | | | |
| 9 | Areas around the IRP Cap - Turf (1) | Free of debris along side-slopes | S | | | |

Note: (1) Indicate designated area (Figure 7-4) in Required Action.

MONTHLY INSPECTION

Date/Time: 8-23-4 8:30-3:30 Weather Conditions: Sunny 80°
 Inspector(s): Pollitt Type of Inspection (Circle One): General Inspection or **Following Severe Weather**

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for recording/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.1 Geomembrane Liner

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|----------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | IRP Cap (1) | Free of tears, penetrations, or thin spots in 45-mil reinforced polypropylene (liner). | S | | | |
| 2 | IRP Cap (1) | Sealed factory seams via visual site walk. | S | | | |
| 3 | IRP Cap (1) | Free of soft spots or wet areas | S | | | |
| 4 | Geomembrane Liner Boots (2) (83) | Free of tears, penetrations, or thin spots in transition of liner to liner boots | S | | | |
| 5 | Geomembrane Liner Boots (2) (83) | Free of liner fatigue, accumulated liquids, settlement, etc. at the sump extension | S | | | |
| 6 | Sump Extension (2) (83) | Free of tears, penetrations, or thin spots in transition of liner to liner boots | S | | | |
| 7 | Sump Extension (2) (83) | Integrity of sump lid | S | | | |
| 8 | Sump Extension (2) (83) | Integrity of geomembrane liner boots | S | | | |
| 9 | Data Logger (2) | Integrity of data logger system in extended sump | S | | | |

Note: (1) For repairs, see Appendix C-1 for the 45-mil reinforced polypropylene repair procedure. (2) Indicate sump extension identification in Required Action. See Appendix C-2 for sump lid and data logger removable/re-installation procedure and calibrate the data logger (if required) in accordance with Appendix E-3. (3) If settlement, see Appendix C-4 for the repair procedure and detailed documentation.

3.3 Subsidence *No Noted*

| Number | Operation and Maintenance Item | Inspection Item | Approximate Water Depth (inches) | Approximate Area (SF) | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--------------------------------------|----------------------------------|-----------------------|-----------------|-------------------------------|
| 1 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 2 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 3 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 4 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 5 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 6 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 7 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 8 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 9 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |
| 10 | Subsidence Monitoring | Document any subsidence area/panel # | | | | |

Note: (1) See Appendix C-4 for repair procedure and data led documentation.

MONTHLY INSPECTION

Date/Time: 8-23-4 8:30 - 3:30 Weather Conditions: Sun 80°

Inspector(s): Pollitt Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Monthly/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 30 knots (55 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance Inspector performed following a severe weather event will count as an inspection for the specified period.

3.4 Anchorage Trenches

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|----------------------------------|
| 1 | Interior Anchor Trenches | Free of pull out liner | S | | | |
| 2 | Interior Anchor Trenches | Free of tears, punctures, or thin spots in liner | S | | | |
| 3 | Interior Anchor Trenches | Geotextile fabric free of damages, if exposed | S | | | |
| 4 | Interior Anchor Trenches | Free of soft spots or wet areas | S | | | |
| 5 | North Perimeter Anchor Trench | Free of pull out liner | S | | | |
| 6 | North Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | S | | | |
| 7 | North Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | S | | | |
| 8 | North Perimeter Anchor Trench | Free of soft spots or wet areas | S | | | |
| 9 | East Perimeter Anchor Trench | Free of pull out liner | S | | | |
| 10 | East Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | S | | | |
| 11 | East Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | S | | | |
| 12 | East Perimeter Anchor Trench | Free of soft spots or wet areas | S | | | |
| 13 | South Perimeter Anchor Trench | Free of pull out liner | S | | | |
| 14 | South Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | S | | | |
| 15 | South Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | S | | | |
| 16 | South Perimeter Anchor Trench | Free of soft spots or wet areas | S | | | |
| 17 | West Perimeter Anchor Trench | Free of pull out liner | S | | | |
| 18 | West Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | S | | | |
| 19 | West Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | S | | | |
| 20 | West Perimeter Anchor Trench | Free of soft spots or wet areas | S | | | |

Note: (1) Indicate which interior anchor trench in the Required Action.

MONTHLY INSPECTION

Date/Time: 8-28-4 8:30 - 3:30 Weather Conditions: SUN 80°

Inspector(s): POLLIN Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Vice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for repair, right-of-way/encroachment requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity short duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the associated period.

3.5 Articulating Concrete Blocks (AB) System

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|------------------------|----------------------------------|
| 1 | North Perimeter Channel | Free of broken concrete blocks | S | | | |
| 2 | North Perimeter Channel | Liner free of tears, penetrations, or thin spots | S | | | |
| 3 | North Perimeter Channel | Free of vegetative growth impeding channel flow | S | | | |
| 4 | North Perimeter Channel | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 5 | North Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side 1 clamp on the short side) | S | | | |
| 6 | East Perimeter Channel | Free of broken concrete blocks | S | | | |
| 7 | East Perimeter Channel | Liner free of tears, penetrations, or thin spots | S | | | |
| 8 | East Perimeter Channel | Free of vegetative growth which decreases channel capacity | S | | | |
| 9 | East Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | S | | | |
| 10 | SE Perimeter Channel | Free of broken concrete blocks | S | U | Notified Proper People | Not Complete |
| 11 | SE Perimeter Channel | Liner free of tears, penetrations, or thin spots | S | | | |
| 12 | SE Perimeter Channel | Free of vegetative growth which decreases channel capacity | S | | | |
| 13 | SE Perimeter Channel | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 14 | SE Perimeter Channel | Cementitious fill material in the corners free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 15 | SE Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | S | | | |
| 16 | Interior Y-Channel | Free of broken concrete blocks | S | | | |
| 17 | Interior Y-Channel | Liner free of tears, penetrations, or thin spots | S | | | |
| 18 | Interior Y-Channel | Free of vegetative growth impeding channel flow | S | | | |
| 19 | Interior Y-Channel | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 20 | Interior Y-Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | S | | | |

MONTHLY INSPECTION

Date/Time: 8-23-4 8:30-3:30

Weather Conditions: Sun 80°

Inspector(s): POLLITT

Type of inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual), and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 0.9 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified season.

3.6 Northeast Corner Piping

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Manhole #1 | Manhole lid secure attached and flush with ground surface | S | | | |
| 2 | Manhole #2 | Manhole lid secure attached and flush with ground surface | S | | | |
| 3 | Upstream Headwall | Headwall invert/culvert (trash grate/restricting plate) free of debris | S | | | |
| 4 | Downstream Headwall | Headwall invert/culvert free of debris | S | | | |

3.7 Former Leachate Storage Facility Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | LSF Tank 1 (1) | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 2 | LSF Tank 1 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 3 | LSF Tank 2 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 4 | LSF Tank 2 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 5 | LSF Tank 3 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 6 | LSF Tank 3 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 7 | LSF Tank 4 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 8 | LSF Tank 4 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 9 | Rectifier Box for the Cathodic Protection System | Record the Direct Current Reading | S | | | |
| 10 | Rectifier Box for the Cathodic Protection System | Record the Amps Output Reading | S | | | |

Notes: (1) Opening of LSF Tank 1 access and vent riser shall be in accordance with the Commonwealth Procedures. (2) If settlement, see Appendix C-1 for the repair procedure and detailed documentation.

MONTHLY INSPECTION

Date/Time: 8-23-4 8:30 - 3:30 Weather Conditions: Sun 80°

Inspector(s): SPINT Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rain fall in a 24-hour period or a high intensity storm duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

4.1 Principal Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Ultrasonic Flow Recorder | Calibrated reading measurement compares with staff gauge measurement. | S | | | |
| 2 | Riprap | Free of debris | S | | | |
| 3 | Riprap | Free of riprap washout compromising side-slopes | S | | | |
| 4 | Riprap | If exposed geotextile fabric free of damages | S | | | |
| 5 | Riprap | Free of silt/sediment accumulation >3 inches | S | | | |

4.2 Emergency Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Gabion Basket System (1) | Free of debris | S | | | |
| 2 | Gabion Basket System (1) | Free of riprap washout compromising integrity of basket system | S | | | |

Note: (1) To maintain integrity, a spray on preventative product may be used on an as needed basis and note in the Required Action.

4.3 Embankment

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--------------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Embankment | Slide-slopes free of debris | S | | | |
| 2 | Embankment | Slide-slopes free of erosion gullies | S | | | |
| 3 | Embankment | Free of eroded areas | S | | | |

MONTHLY INSPECTION

Date/Time: 8-23-4 8:30 - 8:30 Weather Conditions: Sun 80°

Inspector(s): Collitt Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2 "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3 "Recall Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 60 knots (58 miles per hour) or greater, approximately 3/4" diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance Inspection performed following a severe weather event will count as an inspection for the specified period.

4.4 Basin Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|----------------------------------|
| 1 | Riprap | Free of debris | S | | | |
| 2 | Riprap | Free of riprap washout compromising side-slopes | S | | | |
| 3 | Riprap | Exposed geotextile fabric free of damages | S | | | |
| 4 | Riprap | Free of silt/sediment accumulation >3 inches | S | | | |
| 5 | Gabion Basket System 1 | Free of debris | S | | | |
| 6 | Gabion Basket System 1 | Free of riprap washout compromising basket system | S | | | |

Note: (1) To maintain integrity, a spray rust preventative product may be used on an as needed basis and note in the Required Action.

5.2 South Drain Inlet Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|----------------------------------|
| 1 | Riprap | Free of debris | S | | | |
| 2 | Riprap | No riprap washout compromising side-slopes | S | | | |
| 3 | Gabion Basket System (1) | Free of debris | S | | | |
| 4 | Gabion Basket System (1) | Free of riprap washout compromising basket system | S | | | |

Note: (1) To maintain integrity, a spray rust preventative product may be used on an as needed basis and note in the Required Action.

6.1 SE Cap Geomembrane Liner

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|----------------------------------|
| 1 | Geomembrane Liner | Free of exposed liner in turf | S | | | |
| 2 | Geomembrane Liner | If liner is exposed, free of penetrations/tears/leak spots | S | | | |

6.2 SE Cap Turf

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|------------------------------------|--------------|----------------|-----------------|----------------------------------|
| 1 | Turf | Free of graded areas | S | | | |
| 2 | Turf | Free of erosion gullies | S | | | |
| 3 | Turf | Free of signs of burrowing animals | S | | | |

MONTHLY INSPECTION

Date/Time: 8-22-04

Weather Conditions: Sunny 80°

Inspector(s): SOULT

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, "Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.5 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance Inspection performed following a severe weather event will count as an inspection for the specified period.

6.3 SE Cap Riprap Outlet

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Riprap Outlet | Free of riprap washout compromising side-slopes | S | | | |
| 2 | Riprap | If exposed, geocomposite drainage mat free of damages | S | | | |
| 3 | Riprap Outlet | Free of debris | S | | | |

6.4 SE Cap Tie-In

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | IRP Cap Tie-In | Transition of the IRP Cap with Southeast Cap intact/free of liner pull out | S | | | |

7.1 MFDS Roadways

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|----------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Site Access Roadway | Free of ruts and pot holes | S | | | |
| 2 | Site Access Roadway | No aggregate wash-out | | | | |
| 3 | North Perimeter Roadway | Free of ruts and pot holes | | | | |
| 4 | North Perimeter Roadway | No aggregate wash-out | | | | |
| 5 | East Perimeter Roadway | Free of ruts and pot holes | | | | |
| 6 | East Perimeter Roadway | No aggregate wash-out | | | | |
| 7 | South Perimeter Roadway | Free of ruts and pot holes | | | | |
| 8 | South Perimeter Roadway | No aggregate wash-out | | | | |
| 9 | West Perimeter Roadway | Free of ruts and pot holes | | | | |
| 10 | West Perimeter Roadway | No aggregate wash-out | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Product Name | Action Completed Date/Initial |
|--------|-----------------------------------|-----------------|--------------|-------------------------------|
| 1 | North Perimeter Fence Site Access | Oil hinges | Greased | 8/23/4 DP |
| 2 | IRP Cap Perimeter Fence (1) | Oil hinges | OIL | 8/25/4 DP |

MONTHLY INSPECTION

Date/Time: 8-23-4 8:30 - 8:36 Weather Conditions: Sun 80°

Inspector(s): Scott Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix," for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for recording/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix," for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approx. 1/4 diameter hail or larger, frequent lightning, and 2.5 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed to follow a severe weather event will count as an inspection for the specified period.

7.5 Samplers

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Samplers (1) | Portable samplers free of damages | S | | | |
| 2 | Samplers (1) | Locations according to Figures 7-1 and 7-2 | S | | | |

Note: (1) Indicate sampler identification in Required Action

7.7 Liquids

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|-----------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Headwall, Sumps (1) | Free of accumulated liquids | S | | | |
| 2 | Subsided Areas (if Any) (2) | Free of accumulated liquids | S | | | |
| 3 | Around MFDS (3) | Free of accumulated liquids | S | | | |

Note: (1) Indicate headwall sump, identification in Required Action. (2) Indicate liner panel location or area of IRP Cap in Required Action. (3) Indicate location in Required Action.

7.9 Miscellaneous Turf Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|-------------------------------------|----------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Borrow Pit - Turf (1) | Free of eroded areas | S | | | |
| 2 | Borrow Pit - Turf (1) | Free of erosion gullies | S | | | |
| 3 | Borrow Pit - Turf (1) | Free of debris along side-slopes | S | | | |
| 4 | Stockpile Pit - Turf (1) | Free of eroded areas | S | | | |
| 5 | Stockpile Pit - Turf (1) | Free of erosion gullies | S | | | |
| 6 | Stockpile Pit - Turf (1) | Free of debris along side-slopes | S | | | |
| 7 | Areas around the IRP Cap - Turf (1) | Free of eroded areas | S | | | |
| 8 | Areas around the IRP Cap - Turf (1) | Free of erosion gullies | S | | | |
| 9 | Areas around the IRP Cap - Turf (1) | Free of debris along side-slopes | S | | | |

Note: (1) Indicate designated area (Figure 7-4) in Required Action

MONTHLY INSPECTION

Date/Time: 9/20/04 0910 - 1350

Weather Conditions: Sunny 60°

Inspector(s): Brown - Pollett

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (56 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning and 2.0 inches or greater rain in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.1 Geomembrane Liner

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|----------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | IRP Cap (1) | Free of tears, penetrations, or thin spots in 45-mil reinforced polypropylene (liner). | S | | | |
| 2 | IRP Cap (1) | Sealed factory seams via visual site walk. | S | | | |
| 3 | IRP Cap (1) | Free of soft spots or wet areas | S | | | |
| 4 | Geomembrane Liner Boots (2) (83) | Free of tears, penetrations, or thin spots in transition of liner to liner boots | S | | | |
| 5 | Geomembrane Liner Boots (2) (83) | Free of liner fatigue, accumulated liquids, settlement, etc. at the sump extension | S | | | |
| 6 | Sump Extension (2) (83) | Free of tears, penetrations, or thin spots in transition of liner to liner boots | S | | | |
| 7 | Sump Extension (2) (83) | Integrity of sump lid | S | | | |
| 8 | Sump Extension (2) (83) | Integrity of geomembrane liner boots | S | | | |
| 9 | Data Logger (2) | Integrity of data logger system in extended sump | S | | | |

Note: (1) For repairs, see Appendix C-1 for the 45-mil reinforced polypropylene repair procedure. (2) Indicate sump extension identification in Required Action. See Appendix C-2 for sump lid and data logger removal/re-installation procedure and calibrate the data logger (if required) in accordance with Appendix E-3. (3) If settlement, see Appendix C-4 for the repair procedure and detailed documentation.

3.3 Subsidence

| Number | Operation and Maintenance Item | Inspection Item | Approximate Water Depth (inches) | Approximate Area (SF) | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|----------------------------------|-----------------------|-----------------|-------------------------------|
| 1 | Subsidence Monitoring | Document any subsidence area/panel # <u>101-84</u> | 1" | 500 sq ft | | |
| 2 | Subsidence Monitoring | Document any subsidence area/panel # <u>102-85</u> | | | | |
| 3 | Subsidence Monitoring | Document any subsidence area/panel # _____ | | | | |
| 4 | Subsidence Monitoring | Document any subsidence area/panel # _____ | | | | |
| 5 | Subsidence Monitoring | Document any subsidence area/panel # _____ | | | | |
| 6 | Subsidence Monitoring | Document any subsidence area/panel # _____ | | | | |
| 7 | Subsidence Monitoring | Document any subsidence area/panel # _____ | | | | |
| 8 | Subsidence Monitoring | Document any subsidence area/panel # _____ | | | | |
| 9 | Subsidence Monitoring | Document any subsidence area/panel # _____ | | | | |
| 10 | Subsidence Monitoring | Document any subsidence area/panel # _____ | | | | |

Note: (1) See Appendix C-4 for repair procedure and detailed documentation.

MONTHLY INSPECTION

Date/Time: 9/20/04 09:10 — 1350

Weather Conditions: Sunny 60°

Inspector(s): Brown — Pollitt Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 mph (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.4 Anchorage Trenches

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initials |
|--------|--------------------------------|--|--|----------------|-----------------|-----------------------------------|
| | Interior Anchor Trenches | Free of pull out liner | S | | | |
| 2 | Interior Anchor Trenches | Free of tears, punctures, or thin spots in liner | | | | |
| 3 | Interior Anchor Trenches | Geotextile fabric free of damages, if exposed | | | | |
| 4 | Interior Anchor Trenches | Free of soft spots or wet areas | | | | |
| 5 | North Perimeter Anchor Trench | Free of pull out liner | | | | |
| 6 | North Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | | | | |
| 7 | North Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | | | | |
| 8 | North Perimeter Anchor Trench | Free of soft spots or wet areas | | | | |
| 9 | East Perimeter Anchor Trench | Free of pull out liner | | | | |
| 10 | East Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | | | | |
| 11 | East Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | | | | |
| 12 | East Perimeter Anchor Trench | Free of soft spots or wet areas | | | | |
| 13 | South Perimeter Anchor Trench | Free of pull out liner | | | | |
| 14 | South Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | | | | |
| 15 | South Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | | | | |
| 16 | South Perimeter Anchor Trench | Free of soft spots or wet areas | | | | |
| 17 | West Perimeter Anchor Trench | Free of pull out liner | | | | |
| 18 | West Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | | | | |
| 19 | West Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | | | | |
| 20 | West Perimeter Anchor Trench | Free of soft spots or wet areas | | | | |

Note: (1) Indicate which interior anchor trench in the Required Action.

MONTHLY INSPECTION

Date/Time: 9/20/04 0910-1550

Weather Conditions:

Sunny

65°

Inspector(s): Brown - Pollitt

Type of Inspection (Circle One)

General Inspection

or Following

Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix," for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual), and following severe weather.
2. See Appendix A-1, "Operation and Maintenance Requirements Matrix for Reporting/Documentation Requirements and Maintenance Activities and Appendix A-3, "Repair Response Matrix," for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (50 mph) or greater, approximately 2/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1.1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.5 Articulating Concrete Blocks (AB) System

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|---|----------------|-----------------|----------------------------------|
| 1 | North Perimeter Channel | Free of broken concrete blocks | S | | | |
| 2 | North Perimeter Channel | Liner free of tears, penetrations, or thin spots | | | | |
| 3 | North Perimeter Channel | Free of vegetative growth impeding channel flow | | | | |
| 4 | North Perimeter Channel | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | | | | |
| 5 | North Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | | | | |
| 6 | East Perimeter Channel | Free of broken concrete blocks | | | | |
| 7 | East Perimeter Channel | Liner free of tears, penetrations, or thin spots | | | | |
| 8 | East Perimeter Channel | Free of vegetative growth which decreases channel capacity | | | | |
| 9 | East Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | | | | |
| 10 | SE Perimeter Channel | Free of broken concrete blocks | | | U | |
| 11 | SE Perimeter Channel | Liner free of tears, penetrations, or thin spots | | | | |
| 12 | SE Perimeter Channel | Free of vegetative growth which decreases channel capacity | | | | |
| 13 | SE Perimeter Channel | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | | | | |
| 14 | SE Perimeter Channel | Cementitious fill material in the corner is free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | | | | |
| 15 | SE Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | | | | |
| 16 | Interior Y-Channel | Free of broken concrete blocks | | | | |
| 17 | Interior Y-Channel | Liner free of tears, penetrations, or thin spots | | | | |
| 18 | Interior Y-Channel | Free of vegetative growth impeding channel flow | | | | |
| 19 | Interior Y-Channel | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | | | | |
| 20 | Interior Y-Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | | | | |

U- Notified proper personell, that blocks shed down off the banks and ruffed together.

MONTHLY INSPECTION

Date/Time: 9/20/04 0910-1550
 Inspector(s): Brown Pollitt

Weather Conditions: Sunny
 Type of Inspection (Circle One): General Inspection or Following Severe Weather

65°

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, Repair Response Matrix, for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.6 Northeast Corner Piping

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Manhole #1 | Manhole lid secure attached and flush with ground surface | S | | | |
| 2 | Manhole #2 | Manhole lid secure attached and flush with ground surface | S | | | |
| 3 | Upstream Headwall | Headwall invert/culvert (trash grate/restricting plate) free of debris | S | | | |
| 4 | Upstream Headwall | Headwall invert/culvert free of debris | S | | | |

3.7 Former Leachate Storage Facility Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | LSF Tank 1 (1) | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 2 | LSF Tank 1 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 3 | LSF Tank 2 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 4 | LSF Tank 2 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 5 | LSF Tank 3 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 6 | LSF Tank 3 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 7 | LSF Tank 4 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 8 | LSF Tank 4 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 9 | Rectifier Box for the Cathodic Protection System | Record the Direct Current Reading <u>7.0</u> | S | | | |
| 10 | Rectifier Box for the Cathodic Protection System | Record the Amps Output Reading <u>1.9</u> | S | | | |

Notes: (1) Opening of LSF Tank 1 access and vent riser shall be in accordance with the Commonwealth Procedures. (2) If settlement, see Appendix C-4 for the repair procedure and close out documentation.

MONTHLY INSPECTION

Date/Time: 9/20/04 1420-1550 Weather Conditions: Sunny 65°
 Inspector(s): Brown - Pollitt Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-a-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for recording/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: hailstorms, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/8" diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

4.1 Principal Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Ultrasonic Flow Recorder | Calibrated reading measurement compares with staff gauge measurement | S | | | |
| 2 | Riprap | Free of debris | S | | | |
| 3 | Riprap | Free of riprap washout compromising side-slopes | S | | | |
| 4 | Riprap | If exposed, geotextile fabric free of damages | S | | | |
| 5 | Riprap | Free of silt/sediment accumulation >3 inches | S | | | |

4.2 Emergency Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Gabion Basket System (1) | Free of debris | S | | | |
| 2 | Gabion Basket System (1) | Free of riprap washout compromising integrity of basket system | S | | | |

Note: (1) To maintain integrity, a spray rust preventative product may be used on an as needed basis and note in the Required Action.

4.3 Embankment

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|-------------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Embankment | Side-slopes free of debris | S | | | |
| 2 | Embankment | Side-slopes free of erosion gullies | | | | |
| 3 | Embankment | Free of eroded areas | | | | |

MONTHLY INSPECTION

Date/Time: 9/20/04 0910 - 1550 Weather Conditions: Sunny 65°
 Inspector(s): Brown - Pollitt Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual), and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for repaving/detourment requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent gushing and 2.0 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

4.4 Basin Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Riprap | Free of debris | S | | | |
| 2 | Riprap | Free of riprap washout compromising side-slopes | S | | | |
| 3 | Riprap | If exposed, geotextile fabric free of damages | S | | | |
| 4 | Riprap | Free of silt/sediment accumulation >3 inches | S | | | |
| 5 | Gabion Basket System 1 | Free of debris | S | | | |
| 6 | Gabion Basket System 1 | Free of riprap washout compromising basket system | S | | | |

Note: (1) To maintain integrity, a spray rust preventative product may be used on an as needed basis and note in the Required Action.

5.2 South Drain Inlet Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Riprap | Free of debris | S | | | |
| 2 | Riprap | No riprap washout compromising side-slopes | S | | | |
| 3 | Gabion Basket System (1) | Free of debris | S | | | |
| 4 | Gabion Basket System (1) | Free of riprap washout compromising basket system | S | | | |

Note: (1) To maintain integrity, a spray rust preventative product may be used on an as needed basis and note in the Required Action.

6.1 SE Cap Geomembrane Liner

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Geomembrane Liner | Free of exposed liner in turf | S | | | |
| 2 | Geomembrane Liner | If liner is exposed, free of penetrations/tears/thin spots | S | | | |

6.2 SE Cap Turf

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|------------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Turf | Free of eroded areas | S | | | |
| 2 | Turf | Free of erosion gullies | S | | | |
| 3 | Turf | Free of signs of burrowing animals | S | | | |

MONTHLY INSPECTION

Date/Time: 9/20/04 0910-1550 Weather Conditions: Sunny 65°
 Inspector(s): Brown - Pollitt Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, "Operation and Maintenance Requirements Matrix" for report, log/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 20 knots (39 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.0 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

6.3 SE Cap Riprap Outlet

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Riprap Outlet | Free of riprap washout compromising side-slopes | S | | | |
| 2 | Riprap | If exposed, geocomposite drainage not free of damages | S | | | |
| 3 | Riprap Outlet | Free of debris | S | | | |

6.4 SE Cap Tie-In

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | IRP Cap Tie-in | Transition of the IRP Cap with Southeast Cap intact/free of liner pull out | S | | | |

7.1 MFDS Roadways

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|----------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Site Access Roadway | Free of ruts and pot holes | Satisfactory | | | |
| 2 | Site Access Roadway | No aggregate wash-out | | | | |
| 3 | North Perimeter Roadway | Free of ruts and pot holes | | | | |
| 4 | North Perimeter Roadway | No aggregate wash-out | | | | |
| 5 | East Perimeter Roadway | Free of ruts and pot holes | | | | |
| 6 | East Perimeter Roadway | No aggregate wash-out | | | | |
| 7 | South Perimeter Roadway | Free of ruts and pot holes | | | | |
| 8 | South Perimeter Roadway | No aggregate wash-out | | | | |
| 9 | West Perimeter Roadway | Free of ruts and pot holes | | | | |
| 10 | West Perimeter Roadway | No aggregate wash-out | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Product Name | Action Completed Date/Initial |
|--------|-----------------------------------|-----------------|--------------------|-------------------------------|
| 1 | North Perimeter Fence Site Access | Oil hinges | <u>Vahlone 30W</u> | |
| 2 | IRP Cap Perimeter Fence (1) | Oil hinges | <u>Vahlone 30W</u> | |

MONTHLY INSPECTION

Date/Time: 9/20/04 1420 - 1550 Weather Conditions: Sunny 65°
 Inspector(s): Brown - Pollitt Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly), week-Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.5 inches or greater rain fall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

7.5 Samplers

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Samplers (1) | Portable samplers free of damages | S | | | |
| 2 | Samplers (1) | Locations according to Figures 7-1 and 7-2 | S | | | |

Note: (1) Indicate sample identification in Required Action.

7.7 Liquids

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|-----------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Headwall Sumps (1) | Free of accumulated liquids | S | | | |
| 2 | Subsided Areas (if Any) (2) | Free of accumulated liquids | S | | | |
| 3 | Around MFDS (3) | Free of accumulated liquids | S | | | |

Note: (1) Indicate headwall sump identification in Required Action. (2) Indicate linear panel location or area of IRP Cap in Required Action. (3) Indicate location in Required Action.

7.9 Miscellaneous Turf Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|-------------------------------------|----------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Borrow Pit - Turf (1) | Free of eroded areas | S | | | |
| 2 | Borrow Pit - Turf (1) | Free of erosion gullies | | | | |
| 3 | Borrow Pit - Turf (1) | Free of debris along side-slopes | | | | |
| 4 | Stockpile Pit - Turf (1) | Free of eroded areas | | | | |
| 5 | Stockpile Pit - Turf (1) | Free of erosion gullies | | | | |
| 6 | Stockpile Pit - Turf (1) | Free of debris along side-slopes | | | | |
| 7 | Areas around the IRP Cap - Turf (1) | Free of eroded areas | | | | |
| 8 | Areas around the IRP Cap - Turf (1) | Free of erosion gullies | | | | |
| 9 | Areas around the IRP Cap - Turf (1) | Free of debris along side-slopes | | | | |

Note: (1) Indicate designated area (Figure 7-4) in Required Action.

MONTHLY INSPECTION

Date/Time: 10/25/04 0930- Weather Conditions: Sunny 68°
 Inspector(s): R. Brown / D. Pollitt Type of Inspection (Circle One) General Inspection or Following Severe Weather:

1. See Appendix A-2, "Inspector Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (65 miles per hour) or greater, approximately 3/4" diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.1 Geomembrane Liner

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|----------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | IRP Cap (1) | Free of tears, penetrations, or thin spots in 45-mil reinforced polypropylene (liner). | S | | | |
| 2 | IRP Cap (1) | Sealed factory seams via visual site walk. | S | | | |
| 3 | IRP Cap (1) | Free of soft spots or wet areas | S | | | |
| 4 | Geomembrane Liner Boots (2) (83) | Free of tears, penetrations, or thin spots in transition of liner to liner boots | S | | | |
| 5 | Geomembrane Liner Boots (2) (83) | Free of liner fatigue, accumulated liquids, settlement, etc. at the sump extension | S | | | |
| 6 | Sump Extension (2) (83) | Free of tears, penetrations, or thin spots in transition of liner to liner boots | S | | | |
| 7 | Sump Extension (2) (83) | Integrity of sump lid | S | | | |
| 8 | Sump Extension (2) (83) | Integrity of geomembrane liner boots | S | | | |
| 9 | Data Logger (2) | Integrity of data logger system in extended sump | S | | | |

Note: (1) For repairs, see Appendix C-1 for the 45-mil reinforced polypropylene repair procedure. (2) Indicate sump extension identification in Required Action. See Appendix C-2 for sump lid and data logger removable/re-installation procedure and calibrate the data logger (if required) in accordance with Appendix E-3. (3) If settlement, see Appendix C-4 for the repair procedure and detailed documentation.

3.3 Subsidence

| Number | Operation and Maintenance Item | Inspection Item | Approximate Water Depth (inches) | Approximate Area (SF) | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|----------------------------------|-----------------------|-----------------|-------------------------------|
| 1 | Subsidence Monitoring | Document any subsidence area/panel # _____ | N/A ↓ | | | |
| 2 | Subsidence Monitoring | Document any subsidence area/panel # _____ | | | | |
| 3 | Subsidence Monitoring | Document any subsidence area/panel # _____ | | | | |
| 4 | Subsidence Monitoring | Document any subsidence area/panel # _____ | | | | |
| 5 | Subsidence Monitoring | Document any subsidence area/panel # _____ | | | | |
| 6 | Subsidence Monitoring | Document any subsidence area/panel # _____ | | | | |
| 7 | Subsidence Monitoring | Document any subsidence area/panel # _____ | | | | |
| 8 | Subsidence Monitoring | Document any subsidence area/panel # _____ | | | | |
| 9 | Subsidence Monitoring | Document any subsidence area/panel # _____ | | | | |
| 10 | Subsidence Monitoring | Document any subsidence area/panel # _____ | | | | |

Note: (1) See Appendix C-4 for repair procedure and detailed documentation.

MONTHLY INSPECTION

Date/Time: 10/25/04 0930-1550 Weather Conditions: Sunny 68°
 Inspector(s): R. Brown / D. Pollitt Type of Inspection (Circle One) General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 63 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rain fall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.4 Anchorage Trenches

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--|----------------|-----------------|-------------------------------|
| 1 | Interior Anchor Trenches | Free of pull out liner | S | | | |
| 2 | Interior Anchor Trenches | Free of tears, punctures, or thin spots in liner | | | | |
| 3 | Interior Anchor Trenches | Geotextile fabric free of damages, if exposed | | | | |
| 4 | Interior Anchor Trenches | Free of soft spots or wet areas | | | | |
| 5 | North Perimeter Anchor Trench | Free of pull out liner | | | | |
| 6 | North Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | | | | |
| 7 | North Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | | | | |
| 8 | North Perimeter Anchor Trench | Free of soft spots or wet areas | | | | |
| 9 | East Perimeter Anchor Trench | Free of pull out liner | | | | |
| 10 | East Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | | | | |
| 11 | East Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | | | | |
| 12 | East Perimeter Anchor Trench | Free of soft spots or wet areas | | | | |
| 13 | South Perimeter Anchor Trench | Free of pull out liner | | | | |
| 14 | South Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | | | | |
| 15 | South Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | | | | |
| 16 | South Perimeter Anchor Trench | Free of soft spots or wet areas | | | | |
| 17 | West Perimeter Anchor Trench | Free of pull out liner | | | | |
| 18 | West Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | | | | |
| 19 | West Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | | | | |
| 20 | West Perimeter Anchor Trench | Free of soft spots or wet areas | | | | |

Note: (1) Indicate which interior anchor trench in the Required Action.

MONTHLY INSPECTION

Date/Time: 10/25/04 10:30 - 1550 Weather Conditions: Sunny 65°
 Inspector(s): R. Brown / D. Pollitt Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual), and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 2/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance Inspection performed following a severe weather event will count as an inspection for the specified period.

3.5 Articulating Concrete Blocks (AB) System

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | North Perimeter Channel | Free of broken concrete blocks | S | | | |
| 2 | North Perimeter Channel | Linear free of tears, penetrations, or thin spots | S | | | |
| 3 | North Perimeter Channel | Free of vegetative growth impeding channel flow | S | | | |
| 4 | North Perimeter Channel | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 5 | North Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | S | | | |
| 6 | East Perimeter Channel | Free of broken concrete blocks | S | | | |
| 7 | East Perimeter Channel | Linear free of tears, penetrations, or thin spots | S | | | |
| 8 | East Perimeter Channel | Free of vegetative growth which decreases channel capacity | S | | | |
| 9 | East Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | S | | | |
| 10 | SE Perimeter Channel | Free of broken concrete blocks | S | | | |
| 11 | SE Perimeter Channel | Linear free of tears, penetrations, or thin spots | S | | | |
| 12 | SE Perimeter Channel | Free of vegetative growth which decreases channel capacity | S | | | |
| 13 | SE Perimeter Channel | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 14 | SE Perimeter Channel | Cementitious fill material in the corners free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 15 | SE Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | S | | | |
| 16 | Interior Y-Channel | Free of broken concrete blocks | S | | | |
| 17 | Interior Y-Channel | Linear free of tears, penetrations, or thin spots | S | | | |
| 18 | Interior Y-Channel | Free of vegetative growth impeding channel flow | S | | | |
| 19 | Interior Y-Channel | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 20 | Interior Y-Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | S | | | |

MONTHLY INSPECTION

Date/Time: 10/25/04 10-30-1550 Weather Conditions: Sunny 65°
 Inspector(s): R. Brown / D. Poelitt Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair/Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance Inspection performed following a severe weather event will count as an inspection for the specified period.

3.6 Northeast Corner Piping

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Manhole #1 | Manhole lid secure attached and flush with ground surface | S | | | |
| 2 | Manhole #2 | Manhole lid secure attached and flush with ground surface | S | | | |
| 3 | Upstream Headwall | Headwall invert/culvert (trash grate/rastering plate) free of debris | S | | | |
| 4 | Upstream Headwall | Headwall invert/culvert free of debris | S | | | |

3.7 Former Leachate Storage Facility Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | LSF Tank 1 (1) | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 2 | LSF Tank 1 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 3 | LSF Tank 2 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 4 | LSF Tank 2 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 5 | LSF Tank 3 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 6 | LSF Tank 3 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 7 | LSF Tank 4 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 8 | LSF Tank 4 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 9 | Rectifier Box for the Cathodic Protection System | Record the Direct Current Reading <u>6.5</u> | S | | | |
| 10 | Rectifier Box for the Cathodic Protection System | Record the Amps Output Reading <u>1.9</u> | S | | | |

Notes: (1) Opening of LSF Tank 4 access and vent riser shall be in accordance with the Construction Procedures. (2) If settlement, see Appendix C-4 for the repair procedure and detailed documentation.

MONTHLY INSPECTION

Date/Time: 10/25/04 1240-1550 Weather Conditions: Sunny 68°

Inspector(s): R. Brown / D. Pollitt Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual), and following severe weather.
2. See Appendix A-1, "Operation and Maintenance Requirements Matrix" for recording/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to: the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

4.1 Principal Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Ultrasonic Flow Recorder | Calibrated reading measurement compares with staff gauge measurement | S | | | |
| 2 | Riprap | Free of debris | S | | | |
| 3 | Riprap | Free of riprap washout compromising side-slopes | S | | | |
| 4 | Riprap | If exposed geotextile fabric free of damages | S | | | |
| 5 | Riprap | Free of siltsediment accumulation >3 inches | S | | | |

4.2 Emergency Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Gabion Basket System (1) | Free of debris | S | | | |
| 2 | Gabion Basket System (1) | Free of riprap washout compromising integrity of basket system | S | | | |

Note: (1) To maintain integrity, a spray rust preventative product may be used on an as needed basis and note in the Required Action.

4.3 Embankment

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|-------------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Embankment | Side-slopes free of debris | S | | | |
| 2 | Embankment | Side-slopes free of erosion gullies | S | | | |
| 3 | Embankment | Free of eroded areas | S | | | |

MONTHLY INSPECTION

Date/Time: 10/25-26/04 1240 - 1550 Weather Conditions: Sunny 68°
 Inspector(s): R. Brown / D. Pollitt Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, "Operation and Maintenance Requirements Matrix" for recording/documental or requirements and maintenance activities and Appendix A-3, "Repair Response Matrix" for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 m. per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inch or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance Inspection performed following a severe weather event will count as an inspection for the specified period.

4.4 Basin Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Riprap | Free of debris | S | | | |
| 2 | Riprap | Free of riprap washout compromising side-slopes | S | | | |
| 3 | Riprap | If exposed, geotextile fabric free of damages | S | | | |
| 4 | Riprap | Free of silt/sediment accumulation >3 inches | S | | | |
| 5 | Gabion Basket System 1 | Free of debris | S | | | |
| 6 | Gabion Basket System 1 | Free of riprap washout compromising basket system | S | | | |

Note: (1) To maintain integrity a spray rust preventative product may be used on an as needed basis and note in the Required Action.

5.2 South Drain Inlet Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Riprap | Free of debris | S | | | |
| 2 | Riprap | No riprap washout compromising side-slopes | S | | | |
| 3 | Gabion Basket System (*) | Free of debris | S | | | |
| 4 | Gabion Basket System (*) | Free of riprap washout compromising basket system | S | | | |

Note: (1) To maintain integrity a spray rust preventative product may be used on an as needed basis and note in the Required Action.

6.1 SE Cap Geomembrane Liner

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Geomembrane Liner | Free of exposed liner in turf | S | | | |
| 2 | Geomembrane Liner | If liner is exposed, free of penetrations/tears/thin spots | S | | | |

6.2 SE Cap Turf

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|------------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Turf | Free of eroded areas | S | | | |
| 2 | Turf | Free of erosion gullies | S | | | |
| 3 | Turf | Free of signs of borrowing animals | S | | | |

MONTHLY INSPECTION

Date/Time: 10(25-26)04 1240-1550 Weather Conditions: Sunny 68°
 Inspector(s): R. Brown / P. Pollett Type of Inspection (Circle One) General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspector Frequency Matrix" for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual), and following severe weather.
2. See Appendix A-1, "Operation and Maintenance Requirements Matrix" for reporting/documentation requirements and maintenance activities and Appendix A-5, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 mi. per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

6.3 SE Cap Riprap Outlet

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Riprap Outlet | Free of riprap washout compromising side-slopes | S | | | |
| 2 | Riprap | If exposed, geocomposite drainage net free of damages | S | | | |
| 3 | Riprap Outlet | Free of debris | S | | | |

6.4 SE Cap Tie-In

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | IRP Cap Tie-in | Transition of the IRP Cap with Southeast Cap intact/free of liner pull out | S | | | |

7.1 MFDS Roadways

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Site Access Roadway | Free of ruts and potholes | S | | | |
| 2 | Site Access Roadway | No aggregate wash-out | | | | |
| 3 | North Perimeter Roadway | Free of ruts and potholes | | | | |
| 4 | North Perimeter Roadway | No aggregate wash-out | | | | |
| 5 | East Perimeter Roadway | Free of ruts and potholes | | | | |
| 6 | East Perimeter Roadway | No aggregate wash-out | | | | |
| 7 | South Perimeter Roadway | Free of ruts and potholes | | | | |
| 8 | South Perimeter Roadway | No aggregate wash-out | | | | |
| 9 | West Perimeter Roadway | Free of ruts and potholes | | | | |
| 10 | West Perimeter Roadway | No aggregate wash-out | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Product Name | Action Completed Date/Initial |
|--------|-----------------------------------|-----------------|---------------|-------------------------------|
| 1 | North Perimeter Fence Site Access | Oil hinges | 30W Valvolene | |
| 2 | IRP Cap Perimeter Fence (1) | Oil hinges | 30W Valvolene | |

MONTHLY INSPECTION

Date/Time: 10/25-26/04 1240-1550 Weather Conditions: Sunny 68°

Inspector(s): R. Brown / D. Pollitt Type of Inspection (Circle One) General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and to follow severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for recording/documentation requirements at all maintenance activities and Appendix A-3, "Hazard Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approx. nearly 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed to follow a severe weather event will count as an inspection for the specified period.

7.5 Samplers

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Samplers (1) | Portable samplers free of damages | S | | | |
| 2 | Samplers (1) | Locations according to Figures 7-1 and 7-2 | S | | | |

Note: (1) Indicate sampler identification in Required Action.

7.7 Liquids

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|-----------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Headwall Sumps (1) | Free of accumulated liquids | S | | | |
| 2 | Subsided Areas (If Any) (2) | Free of accumulated liquids | S | | | |
| 3 | Around MFDs (3) | Free of accumulated liquids | S | | | |

Note: (1) Indicate headwall sump identification in Required Action. (2) Indicate inner panel location or area of IRP Cap in Required Action. (3) Indicate location in Required Action.

7.9 Miscellaneous Turf Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|-------------------------------------|----------------------------------|---|----------------|-----------------|-------------------------------|
| 1 | Borrow Pit - Turf (1) | Free of eroded areas | S S S S S S S S S | | | |
| 2 | Borrow Pit - Turf (1) | Free of erosion gulches | | | | |
| 3 | Borrow Pit - Turf (1) | Free of debris along side-slopes | | | | |
| 4 | Stockpile Pit - Turf (1) | Free of eroded areas | | | | |
| 5 | Stockpile Pit - Turf (1) | Free of erosion gulches | | | | |
| 6 | Stockpile Pit - Turf (1) | Free of debris along side-slopes | | | | |
| 7 | Areas around the IRP Cap - Turf (1) | Free of eroded areas | | | | |
| 8 | Areas around the IRP Cap - Turf (1) | Free of erosion gulches | | | | |
| 9 | Areas around the IRP Cap - Turf (1) | Free of debris along side-slopes | | | | |

Note: (*) Indicate designated area (Figure 7-4) in Required Action.

MONTHLY INSPECTION

Date/Time: 11 (22-23) 04 1030 - 1545 Weather Conditions: Cloudy - 55°

Inspector(s): R. Brown / D. Pollett Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2 "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annually/Annually) and following severe weather.
2. See Appendix A-3 "Operation and Maintenance Requirements Matrix" for recording/documentation requirements and maintenance activities and Appendix A-3, "Hazard Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind massing 80 knots (68 miles per hour) or greater, approximately 5/4 diameter hail or larger, frequent lightning, and 2.6 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.1 Geomembrane Liner

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|----------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | IRP Cap (1) | Free of tears, penetrations, or thin spots in 45-mil reinforced polypropylene (liner). | S | | | |
| 2 | IRP Cap (1) | Sealed factory seams via visual site walk. | S | | | |
| 3 | IRP Cap (1) | Free of soft spots or wet areas | S | | | |
| 4 | Geomembrane Liner Boots (2) (83) | Free of tears, penetrations, or thin spots in transition of liner to liner boots | S | | | |
| 5 | Geomembrane Liner Boots (2) (83) | Free of liner fatigue, accumulated liquids, settlement, etc. at the sump extension | S | | | |
| 6 | Sump Extension (2) (83) | Free of tears, penetrations, or thin spots in transition of liner to liner boots | S | | | |
| 7 | Sump Extension (2) (83) | Integrity of sump lid | S | | | |
| 8 | Sump Extension (2) (83) | Integrity of geomembrane liner boots | S | | | |
| 9 | Data Logger (2) | Integrity of data logger system in extended sump | S | | | |

Note: (1) For repairs, see Appendix C-1 for the 45-mil reinforced polypropylene repair procedure. (2) Indicate sump extension identification in Required Action. See Appendix C-2 for sump lid and data logger removable/re-installation procedure and calibrate the data logger (if required) in accordance with Appendix E-3. (3) If settlement, see Appendix C-4 for the repair procedure and detailed documentation.

3.3 Subsidence

| Number | Operation and Maintenance Item | Inspection Item | Approximate Water Depth (inches) | Approximate Area (SF) | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|----------------------------------|-----------------------|-----------------|-------------------------------|
| 1 | Subsidence Monitoring | Document any subsidence area/panel # _____ | N/A ↓ | | | |
| 2 | Subsidence Monitoring | Document any subsidence area/panel # _____ | | | | |
| 3 | Subsidence Monitoring | Document any subsidence area/panel # _____ | | | | |
| 4 | Subsidence Monitoring | Document any subsidence area/panel # _____ | | | | |
| 5 | Subsidence Monitoring | Document any subsidence area/panel # _____ | | | | |
| 6 | Subsidence Monitoring | Document any subsidence area/panel # _____ | | | | |
| 7 | Subsidence Monitoring | Document any subsidence area/panel # _____ | | | | |
| 8 | Subsidence Monitoring | Document any subsidence area/panel # _____ | | | | |
| 9 | Subsidence Monitoring | Document any subsidence area/panel # _____ | | | | |
| 10 | Subsidence Monitoring | Document any subsidence area/panel # _____ | | | | |

Note: (1) See Appendix C-4 for repair procedure and detailed documentation.

MONTHLY INSPECTION

Date/Time: 11/22/04 1030 - 1350

Weather Conditions: Cloudy

55°

Inspector(s): R. Brown / D. Pollitt

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1" hcp per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.4 Anchorage Trenches

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|---|----------------|-----------------|-------------------------------|
| 1 | Interior Anchor Trenches | Free of pull out liner | S S S S S S S S S S S S S S S S S S S | | | |
| 2 | Interior Anchor Trenches | Free of tears, penetrations, or thin spots in liner | | | | |
| 3 | Interior Anchor Trenches | Geotextile fabric free of damages, if exposed | | | | |
| 4 | Interior Anchor Trenches | Free of soft spots or wet areas | | | | |
| 5 | North Perimeter Anchor Trench | Free of pull out liner | | | | |
| 6 | North Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | | | | |
| 7 | North Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | | | | |
| 8 | North Perimeter Anchor Trench | Free of soft spots or wet areas | | | | |
| 9 | East Perimeter Anchor Trench | Free of pull out liner | | | | |
| 10 | East Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | | | | |
| 11 | East Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | | | | |
| 12 | East Perimeter Anchor Trench | Free of soft spots or wet areas | | | | |
| 13 | South Perimeter Anchor Trench | Free of pull out liner | | | | |
| 14 | South Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | | | | |
| 15 | South Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | | | | |
| 16 | South Perimeter Anchor Trench | Free of soft spots or wet areas | | | | |
| 17 | West Perimeter Anchor Trench | Free of pull out liner | | | | |
| 18 | West Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | | | | |
| 19 | West Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | | | | |
| 20 | West Perimeter Anchor Trench | Free of soft spots or wet areas | | | | |

Note: (1) Indicate which interior anchor trench in the Required Action.

MONTHLY INSPECTION

Date/Time: 11/22-23/04

1030 - 1545

Weather Conditions: Cloudy -

55°

Inspector(s): R. Brown / D. Pollitt

 Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, hurricanes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.5 Articulating Concrete Blocks (AB) System

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | North Perimeter Channel | Free of broken concrete blocks | S | | | |
| 2 | North Perimeter Channel | Liner free of tears, penetrations, or thin spots | S | | | |
| 3 | North Perimeter Channel | Free of vegetative growth impeding channel flow | S | | | |
| 4 | North Perimeter Channel | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 5 | North Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | S | | | |
| 6 | East Perimeter Channel | Free of broken concrete blocks | S | | | |
| 7 | East Perimeter Channel | Liner free of tears, penetrations, or thin spots | S | | | |
| 8 | East Perimeter Channel | Free of vegetative growth which decreases channel capacity | S | | | |
| 9 | East Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | S | | | |
| 10 | SE Perimeter Channel | Free of broken concrete blocks | S | | | |
| 11 | SE Perimeter Channel | Liner free of tears, penetrations, or thin spots | S | | | |
| 12 | SE Perimeter Channel | Free of vegetative growth which decreases channel capacity | S | | | |
| 13 | SE Perimeter Channel | Cementitious fill material free of dead-end, free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 14 | SE Perimeter Channel | Cementitious fill material in the corners free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 15 | SE Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | S | | | |
| 16 | Interior Y-Channel | Free of broken concrete blocks | S | | | |
| 17 | Interior Y-Channel | Liner free of tears, penetrations, or thin spots | S | | | |
| 18 | Interior Y-Channel | Free of vegetative growth impeding channel flow | S | | | |
| 19 | Interior Y-Channel | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 20 | Interior Y-Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | S | | | |

MONTHLY INSPECTION

Data/Time: 11/22/04 1030-1350 Weather Conditions: Cloudy 55°
 Inspector(s): R. Brown / D. Pollitt Type of Inspection (Circle One) General Inspection or Following Severe Weather:

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual); and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 25 knots (45 miles per hour) or greater, approximately 24 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.6 Northeast Corner Piping

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Manhole #1 | Manhole lid secure attached and flush with ground surface | S | | | |
| 2 | Manhole #2 | Manhole lid secure attached and flush with ground surface | S | | | |
| 3 | Upstream Headwall | Headwall invert/outlet (trash grate/restricting plate) free of debris | S | | | |
| 4 | Upstream Headwall | Headwall invert/outlet free of debris | S | | | |

3.7 Former Leachate Storage Facility Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | LSF Tank 1 (1) | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 2 | LSF Tank 1 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 3 | LSF Tank 2 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 4 | LSF Tank 2 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 5 | LSF Tank 3 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 6 | LSF Tank 3 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 7 | LSF Tank 4 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 8 | LSF Tank 4 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 9 | Rectifier Box for the Cathodic Protection System | Record the Direct Current Reading <u>6.5</u> | S | | | |
| 10 | Rectifier Box for the Cathodic Protection System | Record the Amps Output Reading <u>1.8</u> | S | | | |

Notes: (1) Opening of LSF Tank 1 access and vent riser shall be in accordance with the Commonwealth Procedures. (2) If settlement, see Appendix C-4 for the repair procedure and detailed documentation.

MONTHLY INSPECTION

Date/Time: 11/22-23/04 10:30-15:45 Weather Conditions: Cloudy 58°

Inspector(s): R. Brown / D. Pollitt Type of Inspection (Circle One) General Inspection or Following Severe Weather

1. See Appendix A-2 "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 "Operation and Maintenance Requirements Matrix" for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.0 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

4.1 Principal Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Ultrasonic Flow Recorder | Calibrated reading measurement compares with staff gauge measurement | S | | | |
| 2 | Riprap | Free of debris | S | | | |
| 3 | Riprap | Free of riprap washout compromising side-slopes | S | | | |
| 4 | Riprap | If exposed, geotextile fabric free of damages | S | | | |
| 5 | Riprap | Free of siltsediment accumulation >3 inches | S | | | |

4.2 Emergency Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Gabion Basket System (1) | Free of debris | S | | | |
| 2 | Gabion Basket System (1) | Free of riprap washout compromising integrity of basket system | S | | | |

Note: (1) To maintain integrity, a spray on preventative product may be used on an as needed basis and note in the Required Action.

4.3 Embankment

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--------------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Embankment | Slide-slopes free of debris | S | | | |
| 2 | Embankment | Slide-slopes free of erosion gullies | S | | | |
| 3 | Embankment | Free of eroded areas | S | | | |

MONTHLY INSPECTION

Date/Time: 11(22-23)04 1030-1545 Weather Conditions: Cloudy 58°

Inspector(s): R. Brown / D. Pollitt Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.6 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1" inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

4.4 Basin Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|----------------------------|----------------|-----------------|-------------------------------|
| 1 | Riprap | Free of debris | S S S S S S | | | |
| 2 | Riprap | Free of riprap washout compromising side-slopes | | | | |
| 3 | Riprap | If exposed, geotextile fabric free of damages | | | | |
| 4 | Riprap | Free of silt/sediment accumulation >3 inches | | | | |
| 5 | Gabion Basket System 1 | Free of debris | | | | |
| 6 | Gabion Basket System 1 | Free of riprap washout compromising basket system | | | | |

Note: (1) To maintain integrity, a spray rust preventative product may be used on an as needed basis and note in the Required Action.

5.2 South Drain Inlet Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|------------------|----------------|-----------------|-------------------------------|
| 1 | Riprap | Free of debris | S S S S | | | |
| 2 | Riprap | No riprap washout compromising side-slopes | | | | |
| 3 | Gabion Basket System (1) | Free of debris | | | | |
| 4 | Gabion Basket System (1) | Free of riprap washout compromising basket system | | | | |

Note: (1) To maintain integrity, a spray rust preventative product may be used on an as needed basis and note in the Required Action.

6.1 SE Cap Geomembrane Liner

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Geomembrane Liner | Free of exposed liner in turf | S S | | | |
| 2 | Geomembrane Liner | If liner is exposed, free of penetrations/tears/silt spots | | | | |

6.2 SE Cap Turf

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|------------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Turf | Free of eroded areas | S S S | | | |
| 2 | Turf | Free of erosion gullies | | | | |
| 3 | Turf | Free of signs of burrowing animals | | | | |

MONTHLY INSPECTION

Date/Time: 11 (22-23) 1030 - 1545 Weather Conditions: Cloudy 58°

Inspector(s): R. Brown / D. Pollitt Type of Inspection (Circle One) General Inspection or Following Severe Weather

1. See Appendix A-2 "Inspection Frequency Matrix" for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 "Operation and Maintenance Requirements Matrix" for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix" for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rain fall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

6.3 SE Cap Riprap Outlet

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|----------------------------------|
| 1 | Riprap Outlet | Free of riprap washout compromising slide-slopes | S | | | |
| 2 | Riprap | If exposed, geocomposite drainage net free of damages | S | | | |
| 3 | Riprap Outlet | Free of debris | S | | | |

6.4 SE Cap Tie-In

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|----------------------------------|
| 1 | IRP Cap Tie-in | Transition of the IRP Cap with Southeast Cap intact/free of liner pull out | S | | | |

7.1 MFDS Roadways

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|----------------------------|--------------|----------------|-----------------|----------------------------------|
| 1 | Site Access Roadway | Free of ruts and pot holes | Satisfactory | | | |
| 2 | Site Access Roadway | No aggregate wash-out | | | | |
| 3 | North Perimeter Roadway | Free of ruts and pot holes | | | | |
| 4 | North Perimeter Roadway | No aggregate wash-out | | | | |
| 5 | East Perimeter Roadway | Free of ruts and pot holes | | | | |
| 6 | East Perimeter Roadway | No aggregate wash-out | | | | |
| 7 | South Perimeter Roadway | Free of ruts and pot holes | | | | |
| 8 | South Perimeter Roadway | No aggregate wash-out | | | | |
| 9 | West Perimeter Roadway | Free of ruts and pot holes | | | | |
| 10 | West Perimeter Roadway | No aggregate wash-out | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Product Name | Action Completed Date/Initial |
|--------|-----------------------------------|-----------------|----------------------|----------------------------------|
| 1 | North Perimeter Fence Site Access | 0 hinges | <u>30w Valvolene</u> | |
| 2 | IRP Cap Perimeter Fence (1) | 0 hinges | <u>30w Valvolene</u> | |

MONTHLY INSPECTION

Date/Time: 11(22-23) 1030-1545 Weather Conditions: Cloudy 58°
 Inspector(s): R. Brown / D. Pollitt Type of Inspection (Circle One) General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, "Operation and Maintenance Requirements Matrix" for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix" for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.5 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

7.5 Samplers

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Samplers (1) | Portable samplers free of damages | S | | | |
| 2 | Samplers (1) | Locations according to Figures 7-1 and 7-2 | S | | | |

Note: (1) Indicate sampler identification in Required Action

7.7 Liquids

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|-----------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Headwall Sumps (1) | Free of accumulated liquids | S | | | |
| 2 | Subsided Areas (if Any) (2) | Free of accumulated liquids | S | | | |
| 3 | Around MFDS (3) | Free of accumulated liquids | S | | | |

Note: (1) Indicate headwall sump identification in Required Action. (2) Indicate liner panel location or area of IRP Cap in Required Action. (3) Indicate location in Required Action.

7.9 Miscellaneous Turf Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|-------------------------------------|----------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Borrow Pit - Turf (1) | Free of eroded areas | S | | | |
| 2 | Borrow Pit - Turf (1) | Free of erosion gullies | S | | | |
| 3 | Borrow Pit - Turf (1) | Free of debris along side-slopes | S | | | |
| 4 | Stockpile Pit - Turf (1) | Free of eroded areas | S | | | |
| 5 | Stockpile Pit - Turf (1) | Free of erosion gullies | S | | | |
| 6 | Stockpile Pit - Turf (1) | Free of debris along side-slopes | S | | | |
| 7 | Areas around the IRP Cap - Turf (1) | Free of eroded areas | S | | | |
| 8 | Areas around the IRP Cap - Turf (1) | Free of erosion gullies | S | | | |
| 9 | Areas around the IRP Cap - Turf (1) | Free of debris along side-slopes | S | | | |

Note: (1) Indicate designated area (Figure 7-4) in Required Action

MONTHLY INSPECTION

Date/Time: 12 (28-29) 04 1040 - 1530 Weather Conditions: Cloudy 46°
 Inspector(s): R. Brown / D. Pollett Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, 'Inspection Frequency Matrix', for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3 'Repair Response Matrix', for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance Inspection performed to follow a severe weather event will count as an inspection for the specified period.

3.1 Geomembrane Liner

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|-----------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | IRP Cap (1) | Free of tears, penetrations, or thin spots in 45-mil reinforced polypropylene (liner). | S | | | |
| 2 | IRP Cap (1) | Sealed factory seams via visual site walk. | S | | | |
| 3 | IRP Cap (1) | Free of soft spots or wet areas | S | | | |
| 4 | Geomembrane Liner Boots (2); (83) | Free of tears, penetrations, or thin spots in transition of liner to liner boots | S | | | |
| 5 | Geomembrane Liner Boots (2); (83) | Free of liner fatigue, accumulated liquids, settlement, etc. at the sump extension | S | | | |
| 6 | Sump Extension (2) (83) | Free of tears, penetrations, or thin spots in transition of liner to liner boots | S | | | |
| 7 | Sump Extension (2) (83) | Integrity of sump lid | S | | | |
| 8 | Sump Extension (2) (83) | Integrity of geomembrane liner boots | S | | | |
| 9 | Data Logger (2) | Integrity of data logger system in extended sump | S | | | |

Note: (1) For repairs, see Appendix C-1 for the 45-mil reinforced polypropylene repair procedure. (2) Indicate sump extension identification in Required Action. See Appendix C-2 for sump lid and data logger removable/re-installation procedure and calibrate the data logger (if required) in accordance with Appendix E-3. (3) If settlement, see Appendix C-4 for the repair procedure and detailed documentation.

3.3 Subsidence

| Number | Operation and Maintenance Item | Inspection Item | Approximate Water Depth (inches) | Approximate Area (SF) | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|----------------------------------|-----------------------|-----------------|-------------------------------|
| 1 | Subsidence Monitoring | Document any subsidence area/panel # _____ | N/A | | | |
| 2 | Subsidence Monitoring | Document any subsidence area/panel # _____ | | | | |
| 3 | Subsidence Monitoring | Document any subsidence area/panel # _____ | | | | |
| 4 | Subsidence Monitoring | Document any subsidence area/panel # _____ | | | | |
| 5 | Subsidence Monitoring | Document any subsidence area/panel # _____ | | | | |
| 6 | Subsidence Monitoring | Document any subsidence area/panel # _____ | | | | |
| 7 | Subsidence Monitoring | Document any subsidence area/panel # _____ | | | | |
| 8 | Subsidence Monitoring | Document any subsidence area/panel # _____ | | | | |
| 9 | Subsidence Monitoring | Document any subsidence area/panel # _____ | | | | |
| 10 | Subsidence Monitoring | Document any subsidence area/panel # _____ | ↓ | | | |

Note: (1) See Appendix C-4 for repair procedure and detailed documentation.

MONTHLY INSPECTION

Date/Time: 12(28-29)04 1040 - 1530

Weather Conditions: Cloudy

46°

Inspector(s): R. Brown / D. Pollitt

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and for following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 20 knots (38 miles per hour) or greater, approximately 3/4 diameter or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. A) Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specific period.

3.4 Anchorage Trenches

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|----------------------------------|
| 1 | Interior Anchor Trenches | Free of pull out liner | S | | | |
| 2 | Interior Anchor Trenches | Free of tears, penetrations, or thin spots in liner | S | | | |
| 3 | Interior Anchor Trenches | Geotextile fabric free of damages, if exposed | S | | | |
| 4 | Interior Anchor Trenches | Free of soft spots or wet areas | S | | | |
| 5 | North Perimeter Anchor Trench | Free of pull out liner | S | | | |
| 6 | North Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | S | | | |
| 7 | North Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | S | | | |
| 8 | North Perimeter Anchor Trench | Free of soft spots or wet areas | S | | | |
| 9 | East Perimeter Anchor Trench | Free of pull out liner | S | | | |
| 10 | East Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | S | | | |
| 11 | East Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | S | | | |
| 12 | East Perimeter Anchor Trench | Free of soft spots or wet areas | S | | | |
| 13 | South Perimeter Anchor Trench | Free of pull out liner | S | | | |
| 14 | South Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | S | | | |
| 15 | South Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | S | | | |
| 16 | South Perimeter Anchor Trench | Free of soft spots or wet areas | S | | | |
| 17 | West Perimeter Anchor Trench | Free of pull out liner | S | | | |
| 18 | West Perimeter Anchor Trench | Free of tears, punctures, or thin spots in liner | S | | | |
| 19 | West Perimeter Anchor Trench | Geotextile fabric free of damages, if exposed | S | | | |
| 20 | West Perimeter Anchor Trench | Free of soft spots or wet areas | S | | | |

Note: (1) Indicate which interior anchor trench in the Required Action.

MONTHLY INSPECTION

Date/Time: 12/29/04 1040 - 1530

Weather Conditions: Cloudy 46°

Inspector(s): R. Brown / D. Pollett

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for regular/guidance/inspection requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornados, wind measuring 50 knots (58 miles per hour) or greater, approximately 2/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.5 Articulating Concrete Blocks (AB) System

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|----------------------------------|
| 1 | North Perimeter Channel | Free of broken concrete blocks | S | | | |
| 2 | North Perimeter Channel | Liner free of tears, penetrations, or thin spots | S | | | |
| 3 | North Perimeter Channel | Free of vegetative growth impeding channel flow | S | | | |
| 4 | North Perimeter Channel | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 5 | North Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | S | | | |
| 6 | East Perimeter Channel | Free of broken concrete blocks | S | | | |
| 7 | East Perimeter Channel | Liner free of tears, penetrations, or thin spots | S | | | |
| 8 | East Perimeter Channel | Free of vegetative growth which decreases channel capacity | S | | | |
| 9 | East Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | S | | | |
| 10 | SE Perimeter Channel | Free of broken concrete blocks | S | | | |
| 11 | SE Perimeter Channel | Liner free of tears, penetrations, or thin spots | S | | | |
| 12 | SE Perimeter Channel | Free of vegetative growth which decreases channel capacity | S | | | |
| 13 | SE Perimeter Channel | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 14 | SE Perimeter Channel | Cementitious fill material in the corners free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 15 | SE Perimeter Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | S | | | |
| 16 | Interior Y-Channel | Free of broken concrete blocks | S | | | |
| 17 | Interior Y-Channel | Liner free of tears, penetrations, or thin spots | S | | | |
| 18 | Interior Y-Channel | Free of vegetative growth impeding channel flow | S | | | |
| 19 | Interior Y-Channel | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 20 | Interior Y-Channel | Steel clamps connecting the AB mats (3 clamps on the long side and 1 clamp on the short side) | S | | | |

MONTHLY INSPECTION

Date/Time: 12/29/04 1040 - 1530

Weather Conditions: Cloudy

46°

Inspector(s): R. Brown / D. Pollitt

Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annually/Annual) and following severe weather.
2. See Appendix A-1, "Operation and Maintenance Requirements Matrix" for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

3.6 Northeast Corner Piping

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Manhole #1 | Manhole lid secure attached and flush with ground surface | S | | | |
| 2 | Manhole #2 | Manhole lid secure attached and flush with ground surface | S | | | |
| 3 | Upstream Headwall | Headwall invert/culvert (trash grate/restricting plate) free of debris | S | | | |
| 4 | Upstream Headwall | Headwall invert/culvert free of debris | S | | | |

3.7 Former Leachate Storage Facility Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | LSF Tank 1 (1) | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 2 | LSF Tank 1 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 3 | LSF Tank 2 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 4 | LSF Tank 2 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 5 | LSF Tank 3 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 6 | LSF Tank 3 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 7 | LSF Tank 4 | Free of tears, penetrations, or thin spots in transition of liner in the access and vent riser extensions | S | | | |
| 8 | LSF Tank 4 (2) | Free of liner fatigue, accumulated liquids, settlement, etc. at sump extension | S | | | |
| 9 | Rectifier Box for the Cathodic Protection System | Record the Direct Current Reading <u>6.0</u> | S | | | |
| 10 | Rectifier Box for the Cathodic Protection System | Record the Amps Output Reading <u>1.7</u> | S | | | |

Notes: (1) Opening of LSF Tank 1 access and vent riser shall be in accordance with the Commonwealth Procedures. (2) If settlement, see Appendix C-1 for the repair procedure and detailed documentation.

MONTHLY INSPECTION

Date/Time: 12/30/04 1240 - 1530 Weather Conditions: Cloudy 56°

Inspector(s): R. Brown / D. Pollitt Type of Inspection (Circle One) General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly, Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, "Operation and Maintenance Requirements Matrix" for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

4.1 Principal Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|----------------------------------|
| 1 | Ultrasonic Flow Recorder | Calibrated reading measurement compares with staff gauge measurement | S | | | |
| 2 | Riprap | Free of debris | S | | | |
| 3 | Riprap | Free of riprap washout compromising side-slopes | S | | | |
| 4 | Riprap | If exposed, geotextile fabric free of damages | S | | | |
| 5 | Riprap | Free of silt/sediment accumulation >3 inches | S | | | |

4.2 Emergency Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|----------------------------------|
| 1 | Gablon Basket System (1) | Free of debris | S | | | |
| 2 | Gablon Basket System (1) | Free of riprap washout compromising integrity of basket system | S | | | |

Note: (1) To maintain integrity, a spray rust preventative product may be used on an as needed basis and note in the Required Action.

4.3 Embankment

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|-------------------------------------|--------------|----------------|-----------------|----------------------------------|
| 1 | Embankment | Side-slopes free of debris | S | | | |
| 2 | Embankment | Side-slopes free of erosion gullies | S | | | |
| 3 | Embankment | Free of eroded areas | S | | | |

MONTHLY INSPECTION

Date/Time: 12/29-30/04 1040-1530 Weather Conditions: Cloudy 56°

Inspector(s): R. Brown / Donnie Pollett Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix," for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, "Operation and Maintenance Requirements Matrix" for reporting/documental/condition requirements and Appendix A-3, "Repair Response Matrix," for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rain-fall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

4.4 Basin Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|----------------------------------|
| 1 | Riprap | Free of debris | S | | | |
| 2 | Riprap | Free of riprap washout compromising side-slopes | | | | |
| 3 | Riprap | If exposed, geotextile fabric free of damages | | | | |
| 4 | Riprap | Free of silt/sediment accumulation >3 inches | | | | |
| 5 | Gabion Basket System 1 | Free of debris | | | | |
| 6 | Gabion Basket System 1 | Free of riprap washout compromising basket system | | | | |

Note: (1) To maintain integrity, a spray rust preventative product may be used on an as needed basis and note in the Required Action.

5.2 South Drain Inlet Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|----------------------------------|
| 1 | Riprap | Free of debris | S | | | |
| 2 | Riprap | No riprap washout compromising side-slopes | | | | |
| 3 | Gabion Basket System (1) | Free of debris | | | | |
| 4 | Gabion Basket System (1) | Free of riprap washout compromising basket system | | | | |

Note: (1) To maintain integrity, a spray rust preventative product may be used on an as needed basis and note in the Required Action.

6.1 SE Cap Geomembrane Liner

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|----------------------------------|
| 1 | Geomembrane Liner | Free of exposed liner in turf | S | | | |
| 2 | Geomembrane Liner | If liner is exposed, free of penetrations/tears/thin spots | | | | |

6.2 SE Cap Turf

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|------------------------------------|--------------|----------------|-----------------|----------------------------------|
| 1 | Turf | Free of eroded areas | S | | | |
| 2 | Turf | Free of erosion gullies | | | | |
| 3 | Turf | Free of signs of burrowing animals | | | | |

MONTHLY INSPECTION

Date/Time: 12/30/04 1240-1530 Weather Conditions: Cloudy 56°

Inspector(s): R. Brown / D. Pollitt Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for road/bridge/structure requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance inspection performed following a severe weather event will count as an inspection for the specified period.

6.3 SE Cap Riprap Outlet

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Riprap Outlet | Free of riprap washout compromising side-slopes | S | | | |
| 2 | Riprap | Free of exposed, geocomposite drainage mat free of damages | S | | | |
| 3 | Riprap Outlet | Free of debris | S | | | |

6.4 SE Cap Tie-In

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | IRP Cap Tie-in | Transition of the IRP Cap with Southeast Cap Intact/free of liner pull out | S | | | |

7.1 MFDS Roadways

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|----------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Site Access Roadway | Free of ruts and pot holes | Satisfactory | | | |
| 2 | Site Access Roadway | No aggregate wash-out | | | | |
| 3 | North Perimeter Roadway | Free of ruts and pot holes | | | | |
| 4 | North Perimeter Roadway | No aggregate wash-out | | | | |
| 5 | East Perimeter Roadway | Free of ruts and pot holes | | | | |
| 6 | East Perimeter Roadway | No aggregate wash-out | | | | |
| 7 | South Perimeter Roadway | Free of ruts and pot holes | | | | |
| 8 | South Perimeter Roadway | No aggregate wash-out | | | | |
| 9 | West Perimeter Roadway | Free of ruts and pot holes | | | | |
| 10 | West Perimeter Roadway | No aggregate wash-out | | | | |

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Product Name | Action Completed Date/Initial |
|--------|-----------------------------------|-----------------|-----------------|-------------------------------|
| 1 | North Perimeter Fence Site Access | Oil hinges | 10W30 Valvolene | |
| 2 | IRP Cap Perimeter Fence (1) | Oil hinges | 10W30 Valvolene | |

MONTHLY INSPECTION

Date/Time: 12/30/04 1240 - 1540 Weather Conditions: Cloudy 56°

Inspector(s): R. Brown / D. Pollitt Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (56 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 2.8 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An Operation and Maintenance Inspection performed following a severe weather event will count as an inspection for the specified period.

7.5 Samplers

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Samplers (1) | Portable samplers free of damages | S | | | |
| 2 | Samplers (1) | Locations according to Figures 7-1 and 7-2 | S | | | |

Note: (1) Indicate sampler identification in Required Action.

7.7 Liquids

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|-----------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Headwall Sumps (1) | Free of accumulated liquids | S | | | |
| 2 | Subsided Areas (If Any) (2) | Free of accumulated liquids | S | | | |
| 3 | Around MFDS (3) | Free of accumulated liquids | S | | | |

Note: (1) Indicate headwall sump, identification in Required Action. (2) Indicate liner panel location or area of IRP Cap in Required Action. (3) Indicate location in Required Action.

7.9 Miscellaneous Turf Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|-------------------------------------|----------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Borrow Pit - Turf (1) | Free of eroded areas | S | | | |
| 2 | Borrow Pit - Turf (1) | Free of erosion gullies | | | | |
| 3 | Borrow Pit - Turf (1) | Free of debris along side-slopes | | | | |
| 4 | Stockpile Pit - Turf (1) | Free of eroded areas | | | | |
| 5 | Stockpile Pit - Turf (1) | Free of erosion gullies | | | | |
| 6 | Stockpile Pit - Turf (1) | Free of debris along side-slopes | | | | |
| 7 | Areas around the IRP Cap - Turf (1) | Free of eroded areas | | | | |
| 8 | Areas around the IRP Cap - Turf (1) | Free of erosion gullies | | | | |
| 9 | Areas around the IRP Cap - Turf (1) | Free of debris along side-slopes | | | | |

Note: (1) Indicate designated area (Figure 7-4) in Required Action.

QUARTERLY INSPECTIONS

Date/Time of Inspection: 2/16/04 0930

Weather Condition: Clear 25°

Inspection By: J. S. Taylor

Type of Inspection (Circle one): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A 3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An OM inspection performed following a severe weather event will count as an inspection for the specified period.

3.1 Geomembrane Liner

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|---------------------|-------------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Data Logger 1 and 2 | Secure attachment to sump extension | S | | | |
| 2 | Data Logger 1 and 2 | Operates properly | S | | | |

NOTE: 1. Indicate sump extension identification in Required Action if a repair is necessary. See Appendix C-2 for sump lid and data logger removal/re-installation procedure.
 2. Calibrate the data logger (if required) in accordance with Appendix E-3.

7.3 Alluvial Wells

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|---------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Alluvial Wells (14) | Secure attachment of pad locks and steel caps | S | | | |

NOTE: 1. Indicate alluvial well identification in Required Action

7.4 Monitoring Wells

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|-------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Monitoring Wells 1 (16) | Secure attachment of pad locks and steel caps | S | | | |

NOTE: 1. Indicates monitoring well identification in Required Action.

7.8 Survey Tower

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Survey Tower | Decking and posts free of termite infestation | S | | | |
| 2 | Survey Tower | No loose boards | S | | | |
| 3 | Survey Tower | Ladder securely attached to the tower | S | | | |

QUARTERLY INSPECTIONS

Date/Time of Inspection: 3/8/04 1100

Weather Condition: 33° Snow Showers

Inspection By: J. Stampel

Type of Inspection (Circle one): General Inspection or Following Sever Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An OM inspection performed following a severe weather event will count as an inspection for the specified period.

3.1 Geomembrane Liner

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|---------------------|-------------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Data Logger 1 and 2 | Secure attachment to sump extension | S | | | |
| 2 | Data Logger 1 and 2 | Operates properly | S | | | |

NOTE: 1. Indicate sump extension identification in Required Action if a repair is necessary. See Appendix C-2 for sump lid and data logger removal/re-installation procedure.
 2. Calibrate the data logger (if required) in accordance with Appendix E-3.

7.3 Alluvial Wells

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|---------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Alluvial Wells (14) | Secure attachment of pad locks and steel caps | S | | | |

NOTE: 1. Indicate alluvial well identification in Required Action.

7.4 Monitoring Wells

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|-------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Monitoring Wells 1 (16) | Secure attachment of pad locks and steel caps | S | | | |

NOTE: 1. Indicates monitoring well identification in Required Action.

7.8 Survey Tower

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Survey Tower | Decking and posts free of termite infestation | S | | | |
| 2 | Survey Tower | No loose boards | S | | | |
| 3 | Survey Tower | Ladder securely attached to the tower | S | | | |

* Records 7.7.7 in in Plan 21101

QUARTERLY INSPECTIONS

Date/Time of Inspection: JUNE 29, 2004 1PM
 Inspection By: TOLLIN / STAMPEL

Weather Condition: 50H 80°
 Type of Inspection: General Inspection

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-2, "Repair Response Matrix", for response time.
3. An OM inspection performed following a severe weather event will count as an inspection for the specified period.

3.1 Geomembrane Liner

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|---------------------|-------------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Data Logger 1 and 2 | Secure attachment to sump extension | S | | | |
| 2 | Data Logger 1 and 2 | Operates properly | S | | | |

NOTE: 1. Indicate sump extension identification in Required Action if a repair is necessary. See Appendix C-2 for sump lid and data logger removal/re-installation procedure.
 2. Calibrate the data logger (if required) in accordance with Appendix E-3.

7.3 Alluvial Wells

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|---------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Alluvial Wells (14) | Secure attachment of pad locks and steel caps | S | | | |

NOTE: 1. Indicate alluvial well identification in Required Action

7.4 Monitoring Wells

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|-------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Monitoring Wells 1 (16) | Secure attachment of pad locks and steel caps | S | | | |

NOTE: 1. Indicates monitoring well identification in Required Action.

7.8 Survey Tower

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Survey Tower | Docking and posts free of termite infestation | S | | | |
| 2 | Survey Tower | No loose boards | S | | | |
| 3 | Survey Tower | Ladder securely attached to the tower | S | | | |

QUARTERLY INSPECTIONS

Date/Time of Inspection: 9/10/04 10:00 AM - 15:00 PM
 Inspection By: D. Pollett / R. Brown

Weather Condition: Cloudy 74°
 Type of Inspection: General Inspection

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, "O&M Requirements Matrix" for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. An O&M inspection performed following a severe weather event, will count as an inspection for the specified period.

3.1 Geomembrane Liner

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|---------------------|-------------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Data Logger 1 and 2 | Secure attachment to sump extension | S | | | |
| 2 | Data Logger 1 and 2 | Operates properly | S | | | |

- NOTE: 1. Indicate sump extension identification in Required Action if a repair is necessary. See Appendix C-2 for sump lid and data logger removal/re-installation procedure.
 2. Calibrate the data logger (if required) in accordance with Appendix E-3.

7.3 Alluvial Wells

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|---------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Alluvial Wells (14) | Secure attachment of pad locks and steel caps | S* | | | |

NOTE: 1. Indicate alluvial well identification in Required Action

7.4 Monitoring Wells

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|-------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Monitoring Wells 1 (16) | Secure attachment of pad locks and steel caps | S | | | |

NOTE: 1. Indicates monitoring well identification in Required Action.

7.8 Survey Tower

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Survey Tower | Decking and posts free of termite infestation | S | | | |
| 2 | Survey Tower | No loose boards | S | | | |
| 3 | Survey Tower | Ladder securely attached to the tower | S | | | |

* Alluvial wells are undamaged by weather.

QUARTERLY INSPECTIONS

Date/Time of Inspection: 12/8/04 1100 — 1550
 Inspection By: R. Brown / D. Powell

Weather Condition: Sunny 60°
 Type of Inspection: General Inspection

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Monthly/Monthly/Quarterly/Semi-Annual/Annual) and following cover weather.
2. See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response times.
3. An OM inspection performed following a severe weather event will count as an inspection for the specified period.

3.1 Geomembrane Liner

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|---------------------|-------------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Data Logger 1 and 2 | Secure attachment to sump extension | S | | | |
| 2 | Data Logger 1 and 2 | Operates properly | S | | | |

- NOTE: 1. Indicate sump extension identification in Required Action if a repair is necessary. See Appendix C-2 for sump lid and data logger removal/re-installation procedure.
 2. Calibrate the data logger (if required) in accordance with Appendix E-3.

7.3 Alluvial Wells

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|---------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Alluvial Wells (14) | Secure attachment of pad locks and steel caps | S | | | |

NOTE: 1. Indicate alluvial well identification in Required Action

7.4 Monitoring Wells

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|-------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Monitoring Wells 1 (16) | Secure attachment of pad locks and steel caps | S | | | |

NOTE: 1. Indicates monitoring well identification in Required Action.

7.8 Survey Tower

| Number | OM Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Survey Tower | Jacking and posts free of termite infestation | S | | | |
| 2 | Survey Tower | No loose boards | S | | | |
| 3 | Survey Tower | Ladder securely attached to the tower | * S | | | |

* Ladder removed and stored in draw area until needed

SEMI-ANNUAL INSPECTION

Date/Time of Inspection: 6-30-4 10:00

Weather Condition Sun 80°

Inspection By: Politt - Stewart

Type of Inspection: General Inspection:

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, "OM Requirements Matrix" for reporting/documentation requirements and maintenance activities and Appendix A-3, "Reps. Response Matrix", for response time.
3. An OM inspection performed following a severe weather event will count as an inspection for the specified period.

3.2.2 Headwall Battens

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed |
|--------|---|---|--------------|----------------|-----------------|------------------|
| 1 | Headwall "A" Batten Bar in NW Corner | Batten bar strip securely attached to headwall | S | | | |
| 2 | Headwall "A" Batten Bar in NW Corner | Free of pulled out liner segments or seepage points | S | | | |
| 3 | Headwall "B" Batten Bar in NW Corner | Batten bar strip securely attached to headwall | S | | | |
| 4 | Headwall "B" Batten Bar in NW Corner | Free of pulled out liner segments or seepage points | S | | | |
| 5 | Upstream Headwall Batten Bar of NE Corner Piping System | Batten bar strip securely attached to headwall | S | | | |
| 6 | Upstream Headwall Batten Bar of NE Corner Piping System | Free of pulled out liner segments or seepage points | S | | | |
| 7 | Downstream Headwall Batten Bar of NE Corner Piping System | Batten bar strip securely attached to headwall | S | | | |
| 8 | Downstream Headwall Batten Bar of NE Corner Piping System | Free of pulled out liner segments or seepage points | S | | | |

3.5 Articulating Concrete Block (AB) System

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed |
|--------|--|---|--------------|----------------|-----------------|------------------|
| 1 | North Channel | Anchorage at Headwall B intact, preventing lateral movement | S | | | |
| 2 | East Channel | Anchorage at headwall intact, preventing lateral movement | S | | | |
| 3 | SE Channel | Liner beneath encased stainless steel cable free of tears/penetrations/rip spots | S | | | |
| 4 | SE Channel | Plastic tubing encasing the stainless steel cables free of penetrations, cracking/worn areas | S | | | |
| 5 | Upstream SE Perimeter Channel Dead-man | Liner gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | S | | | |

SEMI-ANNUAL INSPECTION

Date/Time of Inspection: 6-30-4 10:00

Weather Condition Sun 80°

Inspection By: T. Collins - Stewart

Type of Inspection: General Inspection

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3 "Rapid Response Matrix", for response time.
3. An OM inspection performed following a severe weather event will count as an inspection for the specified period.

4.4.3 Y-Channel Outfall

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed |
|--------|--|---|--------------|----------------|-----------------|------------------|
| 1 | Batten at inlet of the Outfall Structure | Batten bar strip securely attached to concrete channel at inlet | S | | | |
| 2 | Batten at inlet of the Outfall Structure | Free of pulled out liner segments or seepage points | S | | | |

5.1 East Main Drainage Channel

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed |
|--------|--------------------------------|--------------------------|--------------|----------------|-----------------|------------------|
| 1 | East Main Drainage Channel | Free of fallen timber | S | | | |
| 2 | East Main Drainage Channel | Free of brush and debris | S | | | |
| 2 | East Main Drainage Channel | Maintained sideslopes | S | | | |

7.1 MFDS Roadways

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed |
|--------|--------------------------------|-----------------------------------|--------------|----------------|-----------------|------------------|
| 1 | Site Access Roadway | Road surface maintained | S | | | |
| 2 | Site Access Roadway | Verify side-slopes are maintained | S | | | |
| 3 | North Perimeter Roadway | Road surface maintained | S | | | |
| 4 | North Perimeter Roadway | Verify side-slopes are maintained | S | | | |
| 5 | East Perimeter Roadway | Road surface maintained | S | | | |
| 5 | East Perimeter Roadway | Verify side-slopes are maintained | S | | | |
| 7 | South Perimeter Roadway | Road surface maintained | S | | | |
| 8 | South Perimeter Roadway | Verify side-slopes are maintained | S | | | |
| 9 | West Perimeter Roadway | Road surface maintained | S | | | |
| 10 | West Perimeter Roadway | Verify side-slopes are maintained | S | | | |

SEMI-ANNUAL INSPECTIONS

Date/Time of Inspection: 6-30-4 10:00 Weather Condition: SUN 80°
 Inspection By: Polmer/Stampel Type of Inspection: General Inspection

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, "OM Requirements Matrix" for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. An OM inspection performed following a severe weather event will count as an inspection for the specified period.

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | North Perimeter Fence at Site Access | Note any signs of rust: | S | | | |
| 2 | North Perimeter Fence at Site Access | Steel posts intact and anchored into concrete footers | S | | | |
| 3 | North Perimeter Fence at Site Access | Concrete footers intact | S | | | |
| 4 | North Perimeter Fence at Site Access | "Restricted Access Area" signs properly posted | S | | | |
| 5 | IRP Cap Perimeter Fence | Note any signs of rust | S | | | |
| 6 | IRP Cap Perimeter Fence | Steel posts intact and anchored into concrete footers | S | | | |
| 7 | IRP Cap Perimeter Fence | Concrete footers intact | S | | | |
| 8 | IRP Cap Perimeter Fence | "Restricted Access Area" signs properly posted | S | | | |
| 9 | EDB Emergency Spillway Traffic Control Gates | Note any signs of peeled paint or rust | S | | | |
| 10 | EDB Emergency Spillway Traffic Control Gates | Steel posts intact and anchored into concrete footers | S | | | |
| 11 | EDB Emergency Spillway Traffic Control Gates | Concrete footers intact | S | | | |

7.3 Alluvial Wells

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Alluvial Wells 1 (14) | Operable locks and caps on steel casings | S | | | |
| 2 | Alluvial Wells 1 (14) | Steel casings free of surface damages | S | | | |
| 3 | Alluvial Wells 1 (14) | Concrete pads free of surface damages | S | | | |
| 4 | Alluvial Wells 1 (14) | Free of silt and debris (verify with h ₂ S) | S | | | |
| 4 | Alluvial Wells 1 (14) | Measure total casing depth of each well | S | | | |
| 4 | Alluvial Wells 1 (14) | Bollards intact (structurally sound & protects the alluvial well from damage) | S | | | |

Note: 1. Indicate alluvial well identification in Required Action.

SEMI-ANNUAL INSPECTIONS

Date/Time of Inspection: 6-30-4 10:00 Weather Condition: Sun 80°
 Inspection By: Polina / Arampet Type of Inspection: General Inspection

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual); and following severe weather.
2. See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. An OM inspection performed following a severe weather event will count as an inspection for the specified period.

7.4 Monitoring Wells

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Monitoring Wells 1 (16) | Operable locks and caps on steel casings | S | | | |
| 2 | Monitoring Wells 1 (16) | Steel casings free of surface damages | S | | | |
| 3 | Monitoring Wells 1 (16) | Concrete pads free of surface damages | S | | | |
| 4 | Monitoring Wells 1 (16) | Free of silt and debris (verify with # 5) | S | | | |
| 5 | Monitoring Wells 1 (16) | Measure total casing depth of each well | S | | | |

Note: 1. Indicate monitoring well identification in Required Action.

7.6 Erosion Monitoring

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | East Main Drainage Channel | Free of surface erosion signs | S | | | |
| 2 | East Main Drainage Channel | Monuments undisturbed | S | | | |
| 3 | East Main Drainage Channel | Monuments structurally sound | S | | | |
| 4 | East Main Drainage Channel | Brass disc grouted | S | | | |
| 5 | East Main Drainage Channel | Coordinates clearly marked or survey monuments | S | | | |
| 6 | South Drainage Channel | Free of surface erosion signs | S | | | |
| 7 | West Drainage Channel | Free of surface erosion signs | S | | | |
| 8 | East Adjacent Hill Slopes | Free of surface erosion signs | S | | | |
| 9 | South Adjacent Hill Slopes | Free of surface erosion signs | S | | | |
| 10 | West Adjacent Hill Slopes | Free of surface erosion signs | S | | | |

SEMI-ANNUAL INSPECTION

Date/Time of Inspection: 10/25/04 0930-1530
 Inspection By: R. Brown / Donnie Felitt

Weather Condition Sunny 68°
 Type of Inspection: General Inspection

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 OM Requirements Matrix for reporting/documentation requirements and their tier as well as Appendix A-3, "Repair Response Matrix", for response time.
3. An OM inspection performed following a severe weather event will count as an inspection for the specified period.

3.2.2 Headwall Battens

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed |
|--------|---|---|--------------|----------------|-----------------|------------------|
| 1 | Headwall "A" Batten Bar in NW Corner | Batten bar strip securely attached to headwall | S | | | |
| 2 | Headwall "A" Batten Bar in NW Corner | Free of pulled out liner segments or seepage points | S | | | |
| 3 | Headwall "B" Batten Bar in NW Corner | Batten bar strip securely attached to headwall | S | | | |
| 4 | Headwall "B" Batten Bar in NW Corner | Free of pulled out liner segments or seepage points | S | | | |
| 5 | Upstream Headwall Batten Bar of NE Corner Piping System | Batten bar strip securely attached to headwall | S | | | |
| 6 | Upstream Headwall Batten Bar of NE Corner Piping System | Free of pulled out liner segments or seepage points | S | | | |
| 7 | Downstream Headwall Batten Bar of NE Corner Piping System | Batten bar strip securely attached to headwall | S | | | |
| 8 | Downstream Headwall Batten Bar of NE Corner Piping System | Free of pulled out liner segments or seepage points | S | | | |

3.5 Articulating Concrete Block (AB) System

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed |
|--------|---------------------------------------|---|--------------|----------------|-----------------|------------------|
| 1 | North Channel | Anchorage at Headwall B intact, preventing lateral movement | S | | | |
| 2 | East Channel | Anchorage at Headwall Intact, preventing lateral movement | S | | | |
| 3 | SE Channel | Liner beneath encased stainless steel cable free of tears/penetrations/liner spots | * | S | | |
| 4 | SE Channel | Plastic tubing encasing (no stainless steel cables) free of penetrations, cracking, worn areas | * | S | | |
| 5 | Upstream SE Perimeter Gravel Dead-man | Liner gasket material are securely attached to the dead-man structure at the batten bar (no seepage points) | S | | | |

* "AB" mats moved from sides to the middle.

Shaw started repairs 11/8/04 and finished repairs 11/18/04.

SEMI-ANNUAL INSPECTION

Date/Time of Inspection: 10/25-26/04 0940-1550
 Inspection By: R. Brown / D. Pollitt

Weather Condition: Sunny 68°
 Type of Inspection: General Inspection

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 O&M Requirements Matrix for monitoring/inspection requirements and maintenance activities and Appendix A-3, "Recall Response Matrix", for response time.
3. An O&M inspection performed following a severe weather event will count as an inspection for the specified period.

4.4.3 Y-Channel Outfall

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed |
|--------|--|---|--------------|----------------|-----------------|------------------|
| 1 | Batten at inlet of the Outfall Structure | Batten bar strip securely attached to concrete channel at Inlet | S | | | |
| 2 | Batten at inlet of the Outfall Structure | Free of pulled out liner segments or seepage points | S | | | |

5.1 East Main Drainage Channel

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed |
|--------|--------------------------------|--------------------------|--------------|----------------|-----------------|------------------|
| 1 | East Main Drainage Channel | Free of fallen timber | S | | | |
| 2 | East Main Drainage Channel | Free of brush and debris | S | | | |
| 2 | East Main Drainage Channel | Maintained side-slopes | S | | | |

7.1 MFDS Roadways

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed |
|--------|--------------------------------|-----------------------------------|--------------|----------------|-----------------|------------------|
| 1 | Site Access Roadway | Road surface maintained | S | | | |
| 2 | Site Access Roadway | Verify side-slopes are maintained | S | | | |
| 3 | North Perimeter Roadway | Road surface maintained | S | | | |
| 4 | North Perimeter Roadway | Verify side-slopes are maintained | S | | | |
| 5 | East Perimeter Roadway | Road surface maintained | S | | | |
| 6 | East Perimeter Roadway | Verify side-slopes are maintained | S | | | |
| 7 | South Perimeter Roadway | Road surface maintained | S | | | |
| 8 | South Perimeter Roadway | Verify side-slopes are maintained | S | | | |
| 9 | West Perimeter Roadway | Road surface maintained | S | | | |
| 10 | West Perimeter Roadway | Verify side-slopes are maintained | S | | | |

SEMI-ANNUAL INSPECTIONS

Date/Time of Inspection: 10/25-26/04 0940-1550 Weather Condition: Sunny 68°
 Inspection By: R. Brown / D. Pollitt Type of Inspection: General Inspection

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Monthly/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1 O&M Requirements Matrix for reporting/record-keeping requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. An O&M inspection performed following a severe weather event will count as an inspection for the specified period.

7.2 MFDS Security

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-----------------|-------------------------------|
| 1 | North Perimeter Fence at Site Access | Note any signs of rust | S | | | |
| 2 | North Perimeter Fence at Site Access | Steel posts intact and anchored into concrete footers | S | | | |
| 3 | North Perimeter Fence at Site Access | Concrete footers intact | S | | | |
| 4 | North Perimeter Fence at Site Access | "Restricted Access Area" signs properly posted | S | | | |
| 5 | IRP Cap Perimeter Fence | Note any signs of rust | S | | | |
| 6 | IRP Cap Perimeter Fence | Steel posts intact and anchored into concrete footers | S | | | |
| 7 | IRP Cap Perimeter Fence | Concrete footers intact | S | | | |
| 8 | IRP Cap Perimeter Fence | "Restricted Access Area" signs properly posted | S | | | |
| 9 | EDB Emergency Spillway Traffic Control Gates | Note any signs of pealed paint or rust | S | | | |
| 10 | EDB Emergency Spillway Traffic Control Gates | Steel posts intact and anchored into concrete footers | S | | | |
| 11 | EDB Emergency Spillway Traffic Control Gates | Concrete footers intact | S | | | |

7.3 Alluvial Wells

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Alluvial Wells 1 (14) | Operable locks and caps on steel casings | S | | | |
| 2 | Alluvial Wells 1 (14) | Steel casings free of surface damages | S | | | |
| 3 | Alluvial Wells 1 (14) | Concrete pads free of surface damages | S | | | |
| 4 | Alluvial Wells 1 (14) | Free of silt and debris (verify with #5) | S | | | |
| 4 | Alluvial Wells 1 (14) | Measure total casing depth of each well | S | | | |
| 4 | Alluvial Wells 1 (14) | Bollards intact (structurally sound) protects the alluvial well from damage | S | | | |

Note: 1. Indicate alluvial well identification in Required Action.

SEMI-ANNUAL INSPECTIONS

Date/Time of Inspection: 12/3/04 0900 Weather Condition: Cloudy 50°
 Inspection By: T. Stewart / J. Stamper Type of Inspection: General Inspection

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Twice-A-Monthly/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, "CM Requirements Matrix" for recording/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. An O&M inspection performed following a severe weather event will count as an inspection for the specified period.

7.4 Monitoring Wells

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Monitoring Wells 4 (16) | Operable locks and caps on steel casings | S | | | |
| 2 | Monitoring Wells 4 (16) | Steel casings free of surface damages | S | | | |
| 3 | Monitoring Wells 1 (10) | Concrete pads free of surface damages | S | | | |
| 4 | Monitoring Wells 1 (16) | Free of silt and debris (verify with # 5) | S | | | |
| 5 | Monitoring Wells 1 (16) | Measure total casing depth of each well | S | | | |

Note: 1. Indicate monitoring well identification in Required Action.

7.6 Erosion Monitoring

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | East Main Drainage Channel | Free of surface erosion signs | S | | | |
| 2 | East Main Drainage Channel | Monuments undisturbed | S | | | |
| 3 | East Main Drainage Channel | Monuments structurally sound | S | | | |
| 4 | East Main Drainage Channel | Brass disc grouted | S | | | |
| 5 | East Main Drainage Channel | Coordinates clearly marked on survey monuments | S | | | |
| 6 | South Drainage Channel | Free of surface erosion signs | S | | | |
| 7 | West Drainage Channel | Free of surface erosion signs | S | | | |
| 8 | East Adjacent Hill Slopes | Free of surface erosion signs | S | | | |
| 9 | South Adjacent Hill Slopes | Free of surface erosion signs | S | | | |
| 10 | West Adjacent Hill Slopes | Free of surface erosion signs | S | | | |

ANNUAL INSPECTION

Date/Time of Inspection: 4-6-04 12:00-1:30 Weather Condition Clear 55°

Inspection By: Omar Heath Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2. "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Once-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, O and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An O and M inspection performed following a severe weather event will count as an inspection for the specified period.

Completed 5/28/04 @

3.1 Geomembrane Liner

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|--|--------------|----------------|-----------------|-------------------------------|
| 1 | IRP Cap (1) <u>4/1/04 - 5/16/04</u> | Sealed field seams via Airforce tes/free of wrinkles | <u>S</u> | | | |
| 2 | IRP Cap (2) <u>4/1/04 - 5/1/04</u> | Sealed factory seams via visual inspection (free of tears, penetrations, thin spots) | <u>S</u> | | | |
| 3 | Geomembrane Liner Boots (1) | Secure attachment of geomembrane liner boots | <u>S</u> | | | |
| 4 | Geomembrane Liner Boots (1) | Boot free of deterioration (tears, penetrations, thin spots) | <u>S</u> | | | |
| 5 | Data Logger (2) | Verify "Dry Status" of sump via hand measurement | <u>S</u> | | | |

Note: (1) For repairs, see Appendix C-1 for the 45-mil reinforced polypropylene repairs procedures.
 (2) Hand measurement shall be taken in dry sumps to verify data logger measurement.

3.2 Headwalls

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|---|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Headwall "A" in NW Corner | Concrete free of cracking >1/16" wide | <u>S</u> | | | |
| 2 | Headwall "A" in NW Corner | Construction joints maintained | <u>S</u> | | | |
| 3 | Headwall "A" Sump in NW Corner | Free of surface spalling damaging integrity | <u>S</u> | | | |
| 4 | Headwall "A" Sump in NW Corner | Secure attachment of geomembrane liner boots to liquid collection sump (no seepage points) | <u>S</u> | | | |
| 5 | Headwall "B" in NW Corner | Concrete free of cracking >1/16" wide | <u>S</u> | | | |
| 6 | Headwall "B" in NW Corner | Construction joints maintained | <u>S</u> | | | |
| 7 | Headwall "B" Sump in NW Corner | Free of spalling damaging integrity | <u>S</u> | | | |
| 8 | Upstream Headwall in NE Corner | Concrete free of cracking >1/16" wide | <u>S</u> | | | |
| 9 | Upstream Headwall in NE Corner | Construction joints maintained | <u>S</u> | | | |
| 10 | Upstream Headwall Sump in NE Corner | Free of spalling damaging integrity | <u>S</u> | | | |
| 11 | Upstream Headwall Sump in NE Corner | Secure attachment of geomembrane liner boots to liquid collection sump (no seepage points) | <u>S</u> | | | |
| 12 | Upstream Headwall Sump in NE Corner | Secure seal of the trash grate/restricting plate to the headwall | <u>S</u> | | | |
| 13 | Downstream Headwall in NE Corner Piping System | Concrete free of cracking >1/16" wide | <u>S</u> | | | |
| 14 | Downstream Headwall in NE Corner Piping System | Construction joints maintained | <u>S</u> | | | |
| 15 | Downstream Headwall Sump of NE Corner Piping System | Free of spalling damaging integrity | <u>S</u> | | | |

ANNUAL INSPECTION

Date/Time of Inspection: 3-22-04 11:00 Weather Condition Partly Cloudy 30°
 Inspection By: Omar Heath / Jeff Stamper Type of Inspection (Circle One) General Inspection or Following Severe Weather

1. See Appendix A-2. "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/ Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, O and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An O and M inspection performed following a severe weather event will count as an inspection for the specified period.

3.3 Subsidence

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|----------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Permanent Site Control Monuments | Concrete pads and steel casings free of surface damages | S | | | |
| 2 | Permanent Site Control Monuments | Monuments intact | S | | | |
| 3 | Permanent Site Control Monuments | Brass plates securely attached to monuments and coordinates clear | S | | | |
| 4 | Control Points | Points are clearly marked on liner | S | | | |
| 5 | Subsidence Monitoring (1) | Topographic survey of site to verify positive drainage over site area, to document subsidence and subsidence repair areas | | | | |

Note: (1) For repairs, see Appendix C-4 for the subsidence repair procedure.

ANNUAL INSPECTION

Date/Time of Inspection: 4/8/24 12:00-2:00 Weather Condition Sunny 70°

Inspection By: Orna Heath Type of Inspection (Circle One) General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/ Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, O and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An O and M inspection performed following a severe weather event will count as an inspection for the specified period.

3.4 Drainage Channels, Diversion Berms, and Anchorage Trenches

| # | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|----|----------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Interior Y-Channel | Test exposed and accessible liner field seams via Airlance test | S | | | |
| 2 | Interior Y-Channel | Visually examine factory seams (free of tears, penetrations and thin spots) | S | | | |
| 3 | North Perimeter Drainage Channel | Test exposed and accessible liner field seams via Airlance test | S | | | |
| 4 | North Perimeter Drainage Channel | Visually examine factory seams (free of tears, penetrations and thin spots) | S | | | |
| 5 | North Channel Emergency Spillway | Test exposed and accessible liner field seams via Airlance test | S | | | |
| 6 | North Channel Emergency Spillway | Visually examine factory seams (free of tears, penetrations and thin spots) | S | | | |
| 7 | East Perimeter Drainage Channel | Test exposed and accessible liner field seams via Airlance test | S | | | |
| 8 | East Perimeter Drainage Channel | Visually examine factory seams (free of tears, penetrations and thin spots) | S | | | |
| 9 | South Perimeter Drainage Channel | Test exposed and accessible liner field seams via Airlance test | S | | | |
| 10 | South Perimeter Drainage Channel | Visually examine factory seams (free of tears, penetrations and thin spots) | S | | | |
| 11 | West Perimeter Drainage Channel | Test exposed and accessible liner field seams via Airlance test | S | | | |
| 12 | West Perimeter Drainage Channel | Visually examine factory seams (free of tears, penetrations and thin spots) | S | | | |
| 13 | Interior Diversion Berms | Test exposed and accessible liner field seams via Airlance test | S | | | |
| 14 | Interior Diversion Berms | Visually examine factory seams (free of tears, penetrations and thin spots) | S | | | |
| 15 | Interior Anchor Trenches | Test exposed and accessible liner field seams via Airlance test | S | | | |
| 16 | Interior Anchor Trenches | Visually examine factory seams (free of tears, penetrations and thin spots) | S | | | |
| 17 | North Perimeter Anchor Trench | Test exposed and accessible liner field seams via Airlance test | S | | | |
| 18 | North Perimeter Anchor Trench | Visually examine factory seams (free of tears, penetrations and thin spots) | S | | | |
| 19 | East Perimeter Anchor Trench | Test exposed and accessible liner field seams via Airlance test | S | | | |
| 20 | East Perimeter Anchor Trench | Visually examine factory seams (free of tears, penetrations and thin spots) | S | | | |
| 21 | South Perimeter Anchor Trench | Test exposed and accessible liner field seams via Airlance test | S | | | |
| 22 | South Perimeter Anchor Trench | Visually examine factory seams (free of tears, penetrations and thin spots) | S | | | |
| 23 | West Perimeter Anchor Trench | Test exposed and accessible liner field seams via Airlance test | S | | | |
| 24 | West Perimeter Anchor Trench | Visually examine factory seams (free of tears, penetrations and thin spots) | S | | | |

ANNUAL INSPECTION

Date/Time of Inspection: 4/8/04 12:00-2:00 Weather Condition Sunny 70°

Inspection By: Omar Heath Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/ Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, O and M Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An O and M inspection performed following a severe weather event will count as an inspection for the specified period.

3.5 Articulating Concrete Block (AB) System

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|---|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Geomembrane Liner Flap at South Y-Channel Inlet (1) | Sealed extruded seams (the liner flap extruded to the IRP Cap liner) via the v-box test | S | | | |
| 2 | Geomembrane Liner Flap at North Y-Channel Inlet (1) | Sealed extruded seams (the liner flap extruded to the IRP Cap liner) via the v-box test | S | | | |
| 3 | Upstream SE Perimeter Channel Dead-man | Free of cracking >1/16-inch width | S | | | |
| 4 | Upstream SE Perimeter Channel Dead-man | Free of surface spalling damaging integrity | S | | | |
| 5 | Upstream SE Perimeter Channel Dead-man | Construction joints maintained | S | | | |
| 6 | Southern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | S | | | |
| 7 | Southern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batten bar; no seepage | S | | | |
| 8 | Southern Dead-man at Y-Channel Inlet (2) | Free of cracking >1/16-inch width | S | | | |
| 9 | Southern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | S | | | |
| 10 | Southern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | S | | | |
| 11 | Southern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |
| 12 | Northern Dead-man at Y-Channel Inlet (2) | IRP Cap liner is free of tears, penetrations, or thin spots | S | | | |
| 13 | Northern Dead-man at Y-Channel Inlet (2) | Liner and gasket material are securely attached to the dead-man structure at the batten bar; no seepage | S | | | |
| 14 | Northern Dead-man at Y-Channel Inlet (2) | Free of cracking >1/16-inch width | S | | | |
| 15 | Northern Dead-man at Y-Channel Inlet (2) | Construction joints maintained | S | | | |
| 16 | Northern Dead-man at Y-Channel Inlet (2) | Free of surface spalling damaging integrity | S | | | |
| 17 | Northern Dead-man at Y-Channel Inlet (2) | Cementitious fill material free of spalling or void spaces allowing water to pool or erosion of adjacent fill material | S | | | |

Note: (1) The dead-man structures at the South and North inlet of the interior Y-channel are covered with geomembrane liner flaps. Upon identification of tears/penetrations/thin spots, the geomembrane liner flap shall be opened to inspect the dead-man structures at the South and North inlets. Remove any accumulated liquids (note in the Required Action) and proceed with inspection items 6 through 17. (2) Upon repair, reinstall the geomembrane Liner Flap pursuant to Section 3.5.3.1.

ANNUAL INSPECTION

Date/Time of Inspection: 4/9/04 Weather Condition Clear 60°
 Inspection By: Orkath & Jeff Stamper Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2. "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Once-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An O and M inspection performed following a severe weather event will count as an inspection for the specified period.

3.6 Northeast Corner Piping

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Manhole #1 | Steps securely anchored in walls | S | | | |
| 2 | Manhole #1 | Precast concrete manhole free of debris and obstructions | S | | | |
| 3 | Manhole #2 | Steps securely anchored in walls | S | | | |
| 4 | Manhole #2 | Precast concrete manhole free of debris and obstructions | S | | | |
| 5 | Piping | If pipe damage is suspected - Verify interior piping free of debris and obstructions (signaling a possible cave-in) | S | | | |

3.7 Former Leachate Storage Facility Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|-------------------|-------------------------------|
| 1 | LSF Tank 1 | Secure attachment of geomembrane liner boots | S | | | |
| 2 | LSF Tank 1 | Boot free of deterioration (tears/penetrations/thin spots) | S | | | |
| 3 | LSF Tank 2 | Secure attachment of geomembrane liner boots | S | | | |
| 4 | LSF Tank 2 | Boot free of deterioration (tears/penetrations/thin spots) | S | | | |
| 5 | LSF Tank 3 | Secure attachment of geomembrane liner boots | S | | | |
| 6 | LSF Tank 3 | Boot free of deterioration (tears/penetrations/thin spots) | S | | | |
| 7 | LSF Tank 4 | Secure attachment of geomembrane liner boots | S | | | |
| 8 | LSF Tank 4 | Boot free of deterioration (tears/penetrations/thin spots) | S | | | |
| 9 | Rectifier Box for the Cathodic Protection System | Annual Survey by NACE Technician Record the Direct Current Reading _____ | | | Annual Inspection | 3/12/04 |
| 10 | Rectifier Box for the Cathodic Protection System | Annual Survey by NACE Technician Record the Direct Current Reading _____ | | | Annual Inspection | 3/12/04 |

Note: (1) Opening of LSF Tank 1 access and vent riser shall be in accordance with the Commonwealth Procedures

ANNUAL INSPECTION

Date/Time of Inspection: 3/22/04 09:00-10:30 Weather Condition Partly Cloudy 30°
 Inspection By: Omar Heath Jeff Stamper Type of Inspection (Circle One) General Inspection or Following Severe Weather

1. See Appendix A-2. "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/ Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An O and M inspection performed following a severe weather event will count as an inspection for the specified period.

4.1 Principal Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|---|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Riser Pipe | Secure attachment to foundation | S | | | |
| 2 | Riser Pipe | Steel pipe free of rust indications | S | | | |
| 3 | H-Flume/Fiberglass portion | Free of structure defects | S | | | |
| 4 | H-Flume/ Concrete portion | Construction joints maintained | S | | | |
| 5 | H-Flume/ Concrete portion | Free of cracking >1/16-inch width | S | | | |
| 6 | H-Flume/Concrete portion | Free of surface spalling damaging the integrity | S | | | |
| 7 | Ultrasonic Flow Recorder and Rain Gauge | Ultrasonic Flow Recorder and rain gauge intact and secure to H-Flume | S | | | |
| 8 | Riprap (1) | Minimum 1 foot depth | S | | | |
| 9 | Riprap | Free of brush growth | S | | | |

Note: (1) Riprap measurements shall be taken at representative locations.

4.2 Emergency Spillway

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Concrete Pad | Construction joints maintained | S | | | |
| 2 | Concrete Pad | Free of cracking >1/16-inch width | S | | | |
| 3 | Concrete Pad | Free of surface spalling damaging the integrity | S | | | |
| 4 | Gabion Basket System (1) | Indications of rust which adversely affects performance | S | | | |
| 5 | Gabion Basket System | Free of brush growth | S | | | |

Note: (1) To maintain integrity, a spray rust preventative product may be used on an as needed basis and note in Required Action..

4.3 Embankment

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Embankment | Sid slopes are maintained | S | | | |
| 2 | Embankment | Free of brush growth | S | | | |

ANNUAL INSPECTION

Date/Time of Inspection: 3/22/04 09:00-10:30 Weather Condition Partly Cloudy 30°
 Inspection By: Omar Heath / Jeff Stamper Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2. "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/ Twice-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An O and M inspection performed following a severe weather event will count as an inspection for the specified period.

4.4 Basin Area

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Riprap | Free of brush growth | S | | | |
| 2 | Riprap (1) | Minimum 1 foot depth | S | | | |
| 3 | Gabion Basket System(2) | Indications of rust which adversely affects performance | S | | | |
| 4 | Gabion Basket System | Free of brush growth | S | | | |

Note: (1) Riprap measurements shall be taken at representative locations. (2) To maintain integrity, a rust preventative product may be used on an as needed basis and note in the Required Actions.

4.4.3 Y-Channel Outfall

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--|---|--------------|----------------|--------------------------------|-------------------------------|
| 1 | Outfall Structure | Concrete free of cracking >1/16 inch wide | S | | | |
| 2 | Outfall Structure | Construction joints maintained | S | | | |
| 3 | Outfall Structure | Free of surface spalling damaging the integrity | S | | | |
| 4 | Geomembrane Liner Flap at Inlet of Outfall Structure | Sealed extruded seams (the liner flap extruded to the IRP Cap liner) via the v-box test | | | <i>AB mats setting on weld</i> | |

5.2 South Drainage Inlet Channel

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---|--------------|----------------|-----------------|-------------------------------|
| 1 | Upstream Headwall | Construction joints maintained | S | | | |
| 2 | Upstream Headwall | Free of cracking > 1/16-inch width | S | | | |
| 3 | Upstream Headwall | Free of surface spalling damaging the integrity | S | | | |
| 4 | Downstream Headwall | Construction joints maintained | S | | | |
| 5 | Downstream Headwall | Free of cracking > 1/16-inch width | S | | | |
| 6 | Downstream Headwall | Free of surface spalling damaging the integrity | S | | | |
| 7 | Riprap | Free of brush growth | S | | | |
| 8 | Riprap (1) | Minimum 1 foot depth | S | | | |
| 9 | Gabion Basket System | Free of brush growth | S | | | |
| 10 | Gabion Basket System (2) | Indications of rust which adversely affects performance | S | | | |

Note: (1) Riprap measurements shall be taken at representative locations. (2) To maintain integrity, a rust preventative product may be used on an as needed basis and note in the Required Actions.

ANNUAL INSPECTION

Date/Time of Inspection: 3/22/24 11:00-12:00 Weather Condition Partly Cloudy 30°
 Inspection By: Cmar Heath / Jeff Stamper Type of Inspection (Circle One): General Inspection or Following Severe Weather

1. See Appendix A-2, "Inspection Frequency Matrix", for type of inspection and frequency (Daily/Weekly/Once-A-Month/Monthly/Quarterly/Semi-Annual/Annual) and following severe weather.
2. See Appendix A-1, Operation and Maintenance Requirements Matrix for reporting/documentation requirements and maintenance activities and Appendix A-3, "Repair Response Matrix", for response time.
3. Severe Weather conditions include, but not limited to, the following: blizzards, ice storms, tornadoes, wind measuring 50 knots (58 miles per hour) or greater, approximately 3/4 diameter hail or larger, frequent lightning, and 1.25 inches or greater rainfall in a 24-hour period or a high intensity shorter duration storm event with an intensity of 1 inch per hour.
4. An O and M inspection performed following a severe weather event will count as an inspection for the specified period.

6.3 SE Cap Riprap Outlet

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|---------------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Riprap Outlet | Free of bush growth | S | | | |
| 2 | Riprap Outlet | Check for maintain slide-slopes | S | | | |

6.4 SE Cap IRP Cap Tie-in

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|----------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | IRP Cap Tie-in | Integrity of anchor trench | S | | | |

7.8 Survey Tower

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|--------------------------------|--|--------------|----------------|-----------------|-------------------------------|
| 1 | Survey Tower | Secure concrete footers | S | | | |
| 2 | Survey Tower | Concrete footers free of surface damages | S | | | |
| 3 | Survey Tower | Tower secure and stable | S | | | |

7.9 Miscellaneous Turf Areas

| Number | Operation and Maintenance Item | Inspection Item | Satisfactory | Unsatisfactory | Required Action | Action Completed Date/Initial |
|--------|-------------------------------------|------------------------|--------------|----------------|-----------------|-------------------------------|
| 1 | Borrow Pit - Turf (1) | Maintained side-slopes | S | | | |
| 2 | Stockpile Pit - Turf (1) | Maintained side-slopes | S | | | |
| 3 | Areas around the IRP Cap - Turf (1) | Maintained side-slopes | S | | | |

Note: (1) Indicate designated areas (Figure 7-4) in Required Action

FACTORY SEAM INSPECTION

2004

| PANEL # | DATE | WEATHER CONDITIONS | DEFECTIVE AREA |
|----------|----------|--------------------|-----------------------------------|
| LP # 1 | 4/6/2004 | Sunny 60° | D. Pollitt |
| LP # 2 | 4/6/2004 | Sunny 60° | D. Pollitt |
| LP # 3 | 4/6/2004 | Sunny 60° | D. Pollitt |
| LP # 4 | 4/6/2004 | Sunny 60° | D. Pollitt |
| LP # 5 | 4/6/2004 | Sunny 60° | D. Pollitt |
| LP # 6 | 4/6/2004 | Sunny 60° | D. Pollitt |
| LP # 7 | 4/6/2004 | Sunny 60° | D. Pollitt |
| LP # 8 | 4/6/2004 | Sunny 60° | D. Pollitt |
| LP # 20 | 4/6/2004 | Sunny 60° | D. Pollitt |
| LP # 21 | 4/6/2004 | Sunny 60° | D. Pollitt |
| LP # 22 | 4/6/2004 | Sunny 60° | D. Pollitt |
| LP # 23 | 4/6/2004 | Sunny 60° | D. Pollitt |
| LP # 24 | 4/6/2004 | Sunny 60° | D. Pollitt |
| LP # 25 | 4/6/2004 | Sunny 60° | D. Pollitt |
| LP # 26 | 4/6/2004 | Sunny 60° | D. Pollitt |
| LP # 27 | 4/6/2004 | Sunny 60° | D. Pollitt |
| LP # 28 | 4/6/2004 | Sunny 60° | D. Pollitt |
| LP # 37 | 4/6/2004 | Sunny 60° | D. Pollitt |
| LP # 38 | 4/6/2004 | Sunny 60° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 39 | 4/6/2004 | Sunny 60° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 40 | 4/6/2004 | Sunny 60° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 41 | 4/6/2004 | Sunny 60° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 42 | 4/6/2004 | Sunny 60° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 43 | 4/6/2004 | Sunny 60° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 44 | 4/6/2004 | Sunny 60° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 210 | 4/6/2004 | Sunny 60° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 53 | 4/7/2004 | Cloudy 60° | D. Pollitt |
| LP # 54 | 4/7/2004 | Cloudy 60° | D. Pollitt |
| LP # 55 | 4/7/2004 | Cloudy 60° | D. Pollitt |
| LP # 56 | 4/7/2004 | Cloudy 60° | D. Pollitt |
| LP # 57 | 4/7/2004 | Cloudy 60° | D. Pollitt |
| LP # 58 | 4/7/2004 | Cloudy 60° | D. Pollitt |
| LP # 59 | 4/7/2004 | Cloudy 60° | D. Pollitt |
| LP # 60 | 4/7/2004 | Cloudy 60° | D. Pollitt |
| LP # 61 | 4/7/2004 | Cloudy 60° | D. Pollitt |

Reviewed By /Date: *Dominic Powell* *6/3/04*

**FACTORY SEAM INSPECTION
2004**

| PANEL # | DATE | WEATHER CONDITIONS | DEFECTIVE AREA |
|----------|-----------|--------------------|-----------------------------------|
| LP # 62 | 4/7/2004 | Cloudy 60° | D. Pollitt |
| LP # 63 | 4/7/2004 | Cloudy 60° | D. Pollitt |
| LP # 79 | 4/7/2004 | Cloudy 60° | D. Pollitt |
| LP # 80 | 4/7/2004 | Cloudy 60° | D. Pollitt |
| LP # 81 | 4/7/2004 | Cloudy 60° | D. Pollitt |
| LP # 82 | 4/7/2004 | Cloudy 60° | D. Pollitt |
| LP # 83 | 4/7/2004 | Cloudy 60° | D. Pollitt |
| LP # 84 | 4/7/2004 | Cloudy 60° | D. Pollitt |
| LP # 85 | 4/7/2004 | Cloudy 60° | D. Pollitt |
| LP # 86 | 4/7/2004 | Cloudy 60° | D. Pollitt |
| LP # 87 | 4/7/2004 | Cloudy 60° | D. Pollitt |
| LP # 96 | 4/7/2004 | Cloudy 60° | D. Pollitt |
| LP # 97 | 4/7/2004 | Cloudy 60° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 112 | 4/7/2004 | Cloudy 60° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 113 | 4/7/2004 | Cloudy 60° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 114 | 4/7/2004 | Cloudy 60° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 115 | 4/7/2004 | Cloudy 60° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 116 | 4/7/2004 | Cloudy 60° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 117 | 4/7/2004 | Cloudy 60° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 118 | 4/7/2004 | Cloudy 60° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 98 | 4/15/2004 | Sunny 60° | D. Pollitt |
| LP # 99 | 4/15/2004 | Sunny 60° | D. Pollitt |
| LP # 100 | 4/15/2004 | Sunny 60° | D. Pollitt |
| LP # 101 | 4/15/2004 | Sunny 60° | D. Pollitt |
| LP # 102 | 4/15/2004 | Sunny 60° | D. Pollitt |
| LP # 103 | 4/15/2004 | Sunny 60° | D. Pollitt |
| LP # 104 | 4/15/2004 | Sunny 60° | D. Pollitt |
| LP # 119 | 4/15/2004 | Sunny 60° | D. Pollitt |
| LP # 120 | 4/15/2004 | Sunny 60° | D. Pollitt |
| LP # 121 | 4/15/2004 | Sunny 60° | D. Pollitt |
| LP # 122 | 4/15/2004 | Sunny 60° | D. Pollitt |
| LP # 137 | 4/16/2004 | Cloudy 65° | D. Pollitt |
| LP # 138 | 4/16/2004 | Cloudy 65° | D. Pollitt |
| LP # 139 | 4/16/2004 | Cloudy 65° | D. Pollitt |
| LP # 140 | 4/16/2004 | Cloudy 65° | D. Pollitt |

FACTORY SEAM INSPECTION

2004

| PANEL # | DATE | WEATHER CONDITIONS | DEFECTIVE AREA |
|------------|-----------|--------------------|-----------------------------------|
| LP # 141 | 4/16/2004 | Cloudy 65 ° | D. Pollitt |
| LP # 142 | 4/16/2004 | Cloudy 65 ° | D. Pollitt |
| LP # 143 | 4/16/2004 | Cloudy 65 ° | D. Pollitt |
| LP # 144 | 4/16/2004 | Cloudy 65 ° | D. Pollitt |
| LP # 145 | 4/16/2004 | Cloudy 65 ° | D. Pollitt |
| LP # 146 | 4/16/2004 | Cloudy 65 ° | D. Pollitt |
| LP # 147 | 4/16/2004 | Cloudy 65 ° | D. Pollitt |
| LP # 162 | 4/16/2004 | Cloudy 65 ° | D. Pollitt |
| LP # 163 | 4/16/2004 | Cloudy 65 ° | D. Pollitt |
| LP # 178 | 4/16/2004 | Cloudy 65 ° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 179 | 4/16/2004 | Cloudy 65 ° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 191 | 4/16/2004 | Cloudy 65 ° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 192 | 4/16/2004 | Cloudy 65 ° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 209 | 4/16/2004 | Cloudy 65 ° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 178EX | 4/16/2004 | Cloudy 65 ° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 191EX | 4/16/2004 | Cloudy 65 ° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 209EX | 4/16/2004 | Cloudy 65 ° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 164 | 4/19/2004 | Sunny 65 ° | D. Pollitt |
| LP # 165 | 4/19/2004 | Sunny 65 ° | D. Pollitt |
| LP # 166 | 4/19/2004 | Sunny 65 ° | D. Pollitt |
| LP # 167 | 4/19/2004 | Sunny 65 ° | D. Pollitt |
| LP # 168 | 4/19/2004 | Sunny 65 ° | D. Pollitt |
| LP # 169 | 4/19/2004 | Sunny 65 ° | D. Pollitt |
| LP # 170 | 4/19/2004 | Sunny 65 ° | D. Pollitt |
| LP # 180 | 4/20/2004 | Partly Cloudy 65 ° | D. Pollitt |
| LP # 181 | 4/20/2004 | Partly Cloudy 65 ° | D. Pollitt |
| LP # 182 | 4/20/2004 | Partly Cloudy 65 ° | D. Pollitt |
| LP # 193 | 4/20/2004 | Partly Cloudy 65 ° | D. Pollitt |
| LP # 194 | 4/20/2004 | Partly Cloudy 65 ° | D. Pollitt |
| LP # 195 | 4/20/2004 | Partly Cloudy 65 ° | D. Pollitt |
| LP # 211 | 4/20/2004 | Partly Cloudy 65 ° | D. Pollitt |
| LP # 212 | 4/20/2004 | Partly Cloudy 65 ° | D. Pollitt |
| LP # 213 | 4/20/2004 | Partly Cloudy 65 ° | D. Pollitt |
| LP # 223 | 4/20/2004 | Partly Cloudy 65 ° | D. Pollitt |
| LP # 224 | 4/20/2004 | Partly Cloudy 65 ° | D. Pollitt |

FACTORY SEAM INSPECTION

2004

| PANEL # | DATE | WEATHER CONDITIONS | DEFECTIVE AREA |
|------------|-----------|--------------------|-----------------------------------|
| LP # 225 | 4/20/2004 | Partly Cloudy 65 ° | D. Pollitt |
| LP # 226 | 4/20/2004 | Partly Cloudy 65 ° | D. Pollitt |
| LP # 227 | 4/20/2004 | Partly Cloudy 65 ° | D. Pollitt |
| LP # 236 | 4/20/2004 | Partly Cloudy 65 ° | D. Pollitt |
| LP # 237 | 4/20/2004 | Partly Cloudy 65 ° | D. Pollitt |
| LP # 238 | 4/20/2004 | Partly Cloudy 65 ° | D. Pollitt |
| LP # 239 | 4/20/2004 | Partly Cloudy 65 ° | D. Pollitt |
| LP # 240 | 4/20/2004 | Partly Cloudy 65 ° | D. Pollitt |
| LP # 241 | 4/20/2004 | Partly Cloudy 65 ° | D. Pollitt |
| LP # 250 | 4/20/2004 | Partly Cloudy 65 ° | D. Pollitt |
| LP # 251 | 4/20/2004 | Partly Cloudy 65 ° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 257 | 4/20/2004 | Partly Cloudy 65 ° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 378 | 4/20/2004 | Partly Cloudy 65 ° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 382 | 4/20/2004 | Partly Cloudy 65 ° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 383 | 4/20/2004 | Partly Cloudy 65 ° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 387 | 4/20/2004 | Partly Cloudy 65 ° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 388 | 4/20/2004 | Partly Cloudy 65 ° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 392 | 4/20/2004 | Partly Cloudy 65 ° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 227-2 | 4/20/2004 | Partly Cloudy 65 ° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 251EX | 4/20/2004 | Partly Cloudy 65 ° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 377-2 | 4/20/2004 | Partly Cloudy 65 ° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 183 | 4/29/2004 | Sunny 55 ° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 184 | 4/29/2004 | Sunny 55 ° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 196 | 4/29/2004 | Sunny 55 ° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 197 | 4/29/2004 | Sunny 55 ° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 214 | 4/29/2004 | Sunny 55 ° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 215 | 4/29/2004 | Sunny 55 ° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 229 | 4/29/2004 | Sunny 55 ° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 258 | 4/29/2004 | Sunny 55 ° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 265 | 4/29/2004 | Sunny 55 ° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 228-2 | 4/29/2004 | Sunny 55 ° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 229-2 | 4/29/2004 | Sunny 55 ° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 229-3 | 4/29/2004 | Sunny 55 ° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 241-2 | 4/29/2004 | Sunny 55 ° | D. Pollitt; J.Stamper, T. Stewart |
| LP # 242-2 | 4/29/2004 | Sunny 55 ° | D. Pollitt; J.Stamper, T. Stewart |

Reviewed By /Date: Donnie Powell 6/3/04

FACTORY SEAM INSPECTION

2004

| PANEL # | DATE | WEATHER CONDITIONS | DEFECTIVE AREA |
|----------|----------|--------------------|--|
| LP # 252 | 5/3/2004 | Foggy to Sunny 51° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 253 | 5/3/2004 | Foggy to Sunny 51° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 254 | 5/3/2004 | Foggy to Sunny 51° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 255 | 5/3/2004 | Foggy to Sunny 51° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 256 | 5/3/2004 | Foggy to Sunny 51° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 274 | 5/3/2004 | Foggy to Sunny 51° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 275 | 5/3/2004 | Foggy to Sunny 51° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 282 | 5/3/2004 | Foggy to Sunny 51° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 283 | 5/3/2004 | Foggy to Sunny 51° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 290 | 5/3/2004 | Foggy to Sunny 51° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 291 | 5/3/2004 | Foggy to Sunny 51° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 298 | 5/3/2004 | Foggy to Sunny 51° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 299 | 5/3/2004 | Foggy to Sunny 51° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 305 | 5/3/2004 | Foggy to Sunny 51° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 306 | 5/3/2004 | Foggy to Sunny 51° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 313 | 5/3/2004 | Foggy to Sunny 51° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 314 | 5/3/2004 | Foggy to Sunny 51° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 315 | 5/3/2004 | Foggy to Sunny 51° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 316 | 5/3/2004 | Foggy to Sunny 51° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 317 | 5/3/2004 | Foggy to Sunny 51° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 318 | 5/3/2004 | Foggy to Sunny 51° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 319 | 5/3/2004 | Foggy to Sunny 51° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 320 | 5/3/2004 | Foggy to Sunny 51° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 321 | 5/3/2004 | Foggy to Sunny 51° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 332 | 5/3/2004 | Foggy to Sunny 51° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 333 | 5/3/2004 | Foggy to Sunny 51° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 334 | 5/3/2004 | Foggy to Sunny 51° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 335 | 5/3/2004 | Foggy to Sunny 51° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 336 | 5/3/2004 | Foggy to Sunny 51° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 337 | 5/3/2004 | Foggy to Sunny 51° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 338 | 5/3/2004 | Foggy to Sunny 51° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 339 | 5/3/2004 | Foggy to Sunny 51° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 340 | 5/3/2004 | Foggy to Sunny 51° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 341 | 5/3/2004 | Foggy to Sunny 51° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 342 | 5/3/2004 | Foggy to Sunny 51° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |

Reviewed By /Date: *Dennie Powell 6/3/04*

FACTORY SEAM INSPECTION

2004

| PANEL # | DATE | WEATHER CONDITIONS | DEFECTIVE AREA | |
|------------|----------|---------------------|----------------------------|--|
| LP # 351 | 5/3/2004 | Foggy to Sunny 51 ° | | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 352 | 5/3/2004 | Foggy to Sunny 51 ° | | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 353 | 5/3/2004 | Foggy to Sunny 51 ° | | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 354 | 5/3/2004 | Foggy to Sunny 51 ° | | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 355 | 5/3/2004 | Foggy to Sunny 51 ° | | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 356 | 5/3/2004 | Foggy to Sunny 51 ° | | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 357 | 5/3/2004 | Foggy to Sunny 51 ° | | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 358 | 5/3/2004 | Foggy to Sunny 51 ° | 2 bad places, (thin spots) | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 359 | 5/3/2004 | Foggy to Sunny 51 ° | | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 366 | 5/3/2004 | Foggy to Sunny 51 ° | | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 367 | 5/3/2004 | Foggy to Sunny 51 ° | | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 368 | 5/3/2004 | Foggy to Sunny 51 ° | | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 369 | 5/3/2004 | Foggy to Sunny 51 ° | | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 370 | 5/3/2004 | Foggy to Sunny 51 ° | | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 371 | 5/3/2004 | Foggy to Sunny 51 ° | | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 379 | 5/3/2004 | Foggy to Sunny 51 ° | | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 380 | 5/3/2004 | Foggy to Sunny 51 ° | | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 381 | 5/3/2004 | Foggy to Sunny 51 ° | | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 384 | 5/3/2004 | Foggy to Sunny 51 ° | | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 385 | 5/3/2004 | Foggy to Sunny 51 ° | | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 386 | 5/3/2004 | Foggy to Sunny 51 ° | | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 389 | 5/3/2004 | Foggy to Sunny 51 ° | | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 390 | 5/3/2004 | Foggy to Sunny 51 ° | | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 391 | 5/3/2004 | Foggy to Sunny 51 ° | | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 393 | 5/3/2004 | Foggy to Sunny 51 ° | | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 394 | 5/3/2004 | Foggy to Sunny 51 ° | | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 395 | 5/3/2004 | Foggy to Sunny 51 ° | | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 396 | 5/3/2004 | Foggy to Sunny 51 ° | | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 398 | 5/3/2004 | Foggy to Sunny 51 ° | | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 399 | 5/3/2004 | Foggy to Sunny 51 ° | | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 400 | 5/3/2004 | Foggy to Sunny 51 ° | | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 401 | 5/3/2004 | Foggy to Sunny 51 ° | | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 402 | 5/3/2004 | Foggy to Sunny 51 ° | | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 191-2 | 5/3/2004 | Foggy to Sunny 51 ° | | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 252EX | 5/3/2004 | Foggy to Sunny 51 ° | | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |

Reviewed By /Date: *Dannio Paccit*

FACTORY SEAM INSPECTION

2004

| PANEL # | DATE | WEATHER CONDITIONS | DEFECTIVE AREA |
|------------|----------|---------------------|--|
| LP # 253EX | 5/3/2004 | Foggy to Sunny 51 ° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 254EX | 5/3/2004 | Foggy to Sunny 51 ° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 255EX | 5/3/2004 | Foggy to Sunny 51 ° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 352EX | 5/3/2004 | Foggy to Sunny 51 ° | D.Pollitt, W. Turner, R. Pugh, J. Coffee, T. Stewart |
| LP # 260 | 5/4/2004 | Sunny 72 ° | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 261 | 5/4/2004 | Sunny 72 ° | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 262 | 5/4/2004 | Sunny 72 ° | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 263 | 5/4/2004 | Sunny 72 ° | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 266 | 5/4/2004 | Sunny 72 ° | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 267 | 5/4/2004 | Sunny 72 ° | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 268 | 5/4/2004 | Sunny 72 ° | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 269 | 5/4/2004 | Sunny 72 ° | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 270 | 5/4/2004 | Sunny 72 ° | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 271 | 5/4/2004 | Sunny 72 ° | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 276 | 5/4/2004 | Sunny 72 ° | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 277 | 5/4/2004 | Sunny 72 ° | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 278 | 5/4/2004 | Sunny 72 ° | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 279 | 5/4/2004 | Sunny 72 ° | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 280 | 5/4/2004 | Sunny 72 ° | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 284 | 5/4/2004 | Sunny 72 ° | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 285 | 5/4/2004 | Sunny 72 ° | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 286 | 5/4/2004 | Sunny 72 ° | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 287 | 5/4/2004 | Sunny 72 ° | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 288 | 5/4/2004 | Sunny 72 ° | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 292 | 5/4/2004 | Sunny 72 ° | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 293 | 5/4/2004 | Sunny 72 ° | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 294 | 5/4/2004 | Sunny 72 ° | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 295 | 5/4/2004 | Sunny 72 ° | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 297 | 5/4/2004 | Sunny 72 ° | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 300 | 5/4/2004 | Sunny 72 ° | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 301 | 5/4/2004 | Sunny 72 ° | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 302 | 5/4/2004 | Sunny 72 ° | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 303 | 5/4/2004 | Sunny 72 ° | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 307 | 5/4/2004 | Sunny 72 ° | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 308 | 5/4/2004 | Sunny 72 ° | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 309 | 5/4/2004 | Sunny 72 ° | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 310 | 5/4/2004 | Sunny 72 ° | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 322 | 5/4/2004 | Sunny 72 ° | D. Pollitt, J. Miller, M. Strevels, O. Heath |

FACTORY SEAM INSPECTION

2004

| PANEL # | DATE | WEATHER CONDITIONS | DEFECTIVE AREA | |
|------------|----------|--------------------|---------------------|--|
| LP # 323 | 5/4/2004 | Sunny 72° | | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 324 | 5/4/2004 | Sunny 72° | | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 343 | 5/4/2004 | Sunny 78° | | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 344 | 5/4/2004 | Sunny 78° | Wet spot | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 345 | 5/4/2004 | Sunny 78° | | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 350 | 5/4/2004 | Sunny 78° | | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 360 | 5/4/2004 | Sunny 78° | | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 361 | 5/4/2004 | Sunny 78° | | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 362 | 5/4/2004 | Sunny 78° | | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 363 | 5/4/2004 | Sunny 78° | Water pocket, patch | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 306-2 | 5/4/2004 | Sunny 72° | | D. Pollitt, J. Miller, M. Strevels, O. Heath |
| LP # 148 | 5/5/2004 | Sunny 78° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 149 | 5/5/2004 | Sunny 78° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 150 | 5/5/2004 | Sunny 78° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 151 | 5/5/2004 | Sunny 78° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 152 | 5/5/2004 | Sunny 78° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 153 | 5/5/2004 | Sunny 78° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 154 | 5/5/2004 | Sunny 78° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 155 | 5/5/2004 | Sunny 78° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 156 | 5/5/2004 | Sunny 78° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 157 | 5/5/2004 | Sunny 78° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 158 | 5/5/2004 | Sunny 78° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 159 | 5/5/2004 | Sunny 78° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 171 | 5/5/2004 | Sunny 78° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 172 | 5/5/2004 | Sunny 78° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 173 | 5/5/2004 | Sunny 78° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 174 | 5/5/2004 | Sunny 78° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 175 | 5/5/2004 | Sunny 78° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 176 | 5/5/2004 | Sunny 78° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 185 | 5/5/2004 | Sunny 78° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 186 | 5/5/2004 | Sunny 78° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 187 | 5/5/2004 | Sunny 78° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 188 | 5/5/2004 | Sunny 78° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 189 | 5/5/2004 | Sunny 78° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 190 | 5/5/2004 | Sunny 78° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 198 | 5/5/2004 | Sunny 78° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 199 | 5/5/2004 | Sunny 78° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 200 | 5/5/2004 | Sunny 78° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 201 | 5/5/2004 | Sunny 78° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |

Reviewed By /Date: *Dennis Pavia* *6/3/04*

FACTORY SEAM INSPECTION

2004

| PANEL # | DATE | WEATHER CONDITIONS | DEFECTIVE AREA | |
|----------|----------|--------------------|---------------------|--|
| LP # 202 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 203 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 205 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 206 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 216 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 217 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 218 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 219 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 220 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 222 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 230 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 231 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 232 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 233 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 234 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 235 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 243 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 244 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 245 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 246 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 247 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 248 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 249 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 259 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 264 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 272 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 273 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 281 | 5/5/2004 | Sunny 72 ° | Water pocket, patch | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 289 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 296 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 304 | 5/5/2004 | Sunny 72 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 311 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 312 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 325 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 326 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 327 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 328 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 329 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 330 | 5/5/2004 | Sunny 78 ° | | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |

Reviewed By /Date: Dennis Powell 6/3/04

FACTORY SEAM INSPECTION

2004

| PANEL # | DATE | WEATHER CONDITIONS | DEFECTIVE AREA |
|------------|----------|--------------------|--|
| LP # 331 | 5/5/2004 | Sunny 78 ° | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 346 | 5/5/2004 | Sunny 78 ° | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 347 | 5/5/2004 | Sunny 78 ° | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 348 | 5/5/2004 | Sunny 78 ° | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 349 | 5/5/2004 | Sunny 78 ° | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 174EX | 5/5/2004 | Sunny 78 ° | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 175EX | 5/5/2004 | Sunny 78 ° | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 176EX | 5/5/2004 | Sunny 78 ° | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 190EX | 5/5/2004 | Sunny 78 ° | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 199EX | 5/5/2004 | Sunny 78 ° | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 200EX | 5/5/2004 | Sunny 78 ° | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 222EX | 5/5/2004 | Sunny 78 ° | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 235EX | 5/5/2004 | Sunny 78 ° | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 248EX | 5/5/2004 | Sunny 78 ° | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 249EX | 5/5/2004 | Sunny 78 ° | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 264EX | 5/5/2004 | Sunny 78 ° | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 289EX | 5/5/2004 | Sunny 78 ° | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 296EX | 5/5/2004 | Sunny 78 ° | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 348B | 5/5/2004 | Sunny 78 ° | D. Pollitt, F. Sherkat, J. Grow, M. Strevels, O. Heath |
| LP # 9 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 10 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 11 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 12 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 13 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 14 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 15 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 16 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 17 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 18 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 19 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 29 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 30 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 31 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 32 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 33 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 34 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 35 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |

Water pocket, anchor trench

Reviewed By /Date: Dennis Powell 6/3/04

V:\Maxey_Flats\MF WORK DATABASE\AIR LANCING FORM\AIR LANCING FORM

FACTORY SEAM INSPECTION

2004

| PANEL # | DATE | WEATHER CONDITIONS | DEFECTIVE AREA |
|----------|----------|--------------------|--------------------------------|
| LP # 36 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 45 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 46 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 47 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 48 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 49 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 50 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 51 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 52 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 64 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 65 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 66 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 67 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 68 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 69 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 70 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 71 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 72 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 73 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 74 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 75 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 76 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 77 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 78 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 88 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 89 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 90 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 91 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 92 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 93 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 94 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 95 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 105 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 106 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |
| LP # 107 | 5/6/2004 | Sunny 82 ° | D. Pollitt, J. Grow, J. Miller |

Reviewed By /Date: Donnie Pollitt 6/13/04

FACTORY SEAM INSPECTION

2004

| PANEL # | DATE | WEATHER CONDITIONS | DEFECTIVE AREA | |
|----------|----------|--------------------|----------------|--------------------------------|
| LP # 108 | 5/6/2004 | Sunny 82 ° | | D. Pollitt, J. Grow, J. Miller |
| LP # 109 | 5/6/2004 | Sunny 82 ° | | D. Pollitt, J. Grow, J. Miller |
| LP # 110 | 5/6/2004 | Sunny 82 ° | | D. Pollitt, J. Grow, J. Miller |
| LP # 111 | 5/6/2004 | Sunny 82 ° | | D. Pollitt, J. Grow, J. Miller |
| LP # 123 | 5/6/2004 | Sunny 82 ° | | D. Pollitt, J. Grow, J. Miller |
| LP # 124 | 5/6/2004 | Sunny 82 ° | | D. Pollitt, J. Grow, J. Miller |
| LP # 125 | 5/6/2004 | Sunny 82 ° | | D. Pollitt, J. Grow, J. Miller |
| LP # 126 | 5/6/2004 | Sunny 82 ° | 3 inch split | D. Pollitt, J. Grow, J. Miller |
| LP # 127 | 5/6/2004 | Sunny 82 ° | | D. Pollitt, J. Grow, J. Miller |
| LP # 128 | 5/6/2004 | Sunny 82 ° | | D. Pollitt, J. Grow, J. Miller |
| LP # 129 | 5/6/2004 | Sunny 82 ° | | D. Pollitt, J. Grow, J. Miller |
| LP # 130 | 5/6/2004 | Sunny 82 ° | | D. Pollitt, J. Grow, J. Miller |
| LP # 131 | 5/6/2004 | Sunny 82 ° | | D. Pollitt, J. Grow, J. Miller |
| LP # 132 | 5/6/2004 | Sunny 82 ° | | D. Pollitt, J. Grow, J. Miller |
| LP # 133 | 5/6/2004 | Sunny 82 ° | | D. Pollitt, J. Grow, J. Miller |
| LP # 134 | 5/6/2004 | Sunny 82 ° | | D. Pollitt, J. Grow, J. Miller |
| LP # 136 | 5/6/2004 | Sunny 82 ° | | D. Pollitt, J. Grow, J. Miller |
| LP # 375 | 5/6/2004 | Sunny 82 ° | | D. Pollitt, J. Grow, J. Miller |
| LP # 376 | 5/6/2004 | Sunny 82 ° | | D. Pollitt, J. Grow, J. Miller |
| LP # 377 | 5/6/2004 | Sunny 82 ° | | D. Pollitt, J. Grow, J. Miller |

Reviewed By /Date: *Dennis Lewis 6/13/04*

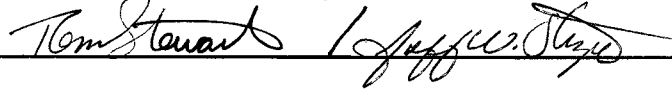
GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 4/6/2004

WEATHER CONDITIONS: Sunny 60°

PROJECT NAME: Maxey Flats

TECHNICIAN: Tom Stewart/Jeff Stamper
Printed Name/Signature



Checks To Be Made Prior To Testing

- Can the air pump generate and sustain a pressure of 20 psi?
- Is the air lance in good working order?
- Has the entire seam been air lance tested?

Retest

- After repair, have all the defects been successfully retested?
- Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

YES/NO

- Yes Has the air lance testing detected any defects?
- Yes Have all the defects detected been marked on the panel and recorded in the following table?
- Yes

YES/NO

- No
- N/A

Summary

Yes/No

- N/A Is the seam 100% tested?
- N/A Have all defects been repaired?

Yes/No

- Yes
- N/A

| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|---------|---------|----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP # 1 | 1 / 20 | 4/6/2004 | Pass | | | | | |
| | 1 / 2 | 4/6/2004 | Pass | | | | | |
| LP # 2 | 2 / 22 | 4/6/2004 | Pass | | | | | |
| | 2 / 3 | 4/6/2004 | Pass | | | | | |
| | 2 / 20 | 4/6/2004 | Pass | | | | | |
| LP # 3 | 3 / 23 | 4/6/2004 | Pass | | | | | |
| | 3 / 4 | 4/6/2004 | Pass | | | | | |
| LP # 4 | 4 / 24 | 4/6/2004 | Pass | | | | | |
| | 4 / 5 | 4/6/2004 | Pass | | | | | |
| LP # 5 | 5 / 25 | 4/6/2004 | Pass | | | | | |
| | 5 / 6 | 4/6/2004 | Pass | | | | | |
| LP # 6 | 6 / 26 | 4/6/2004 | Pass | | | | | |
| | 6 / 7 | 4/6/2004 | Pass | | | | | |
| LP # 7 | 7 / 27 | 4/6/2004 | Pass | | | | | |
| | 7 / 8 | 4/6/2004 | Pass | | | | | |
| LP # 8 | 8 / 28 | 4/6/2004 | Pass | | | | | |
| | 8 / 9 | 4/6/2004 | Pass | | | | | |
| LP # 20 | 20 / 21 | 4/6/2004 | Pass | | | | | |
| | 20 / 22 | 4/6/2004 | Pass | | | | | |
| LP # 21 | 21 / 37 | 4/6/2004 | Pass | | | | | |
| | 21 / 22 | 4/6/2004 | Pass | | | | | |
| LP # 22 | 22 / 23 | 4/6/2004 | Pass | | | | | |
| | 22 / 38 | 4/6/2004 | Pass | | | | | |

Answer of "NO" must be explained:

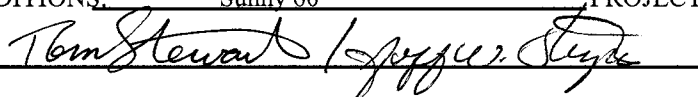
GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 4/6/2004

WEATHER CONDITIONS: Sunny 60°

PROJECT NAME: Maxey Flats

TECHNICIAN: Tom Stewart/Jeff Stamper
Printed Name/Signature



Checks To Be Made Prior To Testing

- Can the air pump generate and sustain a pressure of 20 psi?
- Is the air lance in good working order?
- Has the entire seam been air lance tested?

Retest

- After repair, have all the defects been successfully retested?
- Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

| YES/NO | | YES/NO |
|------------|---|------------|
| <u>Yes</u> | Has the air lance testing detected any defects? | <u>No</u> |
| <u>Yes</u> | Have all the defects detected been marked on the panel and recorded in the following table? | <u>N/A</u> |

Summary

| Yes/No | | Yes/No |
|------------|---------------------------------|------------|
| <u>N/A</u> | Is the seam 100% tested? | <u>Yes</u> |
| <u>N/A</u> | Have all defects been repaired? | <u>N/A</u> |

| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|---------|---------|----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP # 23 | 23 / 24 | 4/6/2004 | Pass | | | | | |
| | 23 / 39 | 4/6/2004 | Pass | | | | | |
| LP # 24 | 24 / 25 | 4/6/2004 | Pass | | | | | |
| | 24 / 40 | 4/6/2004 | Pass | | | | | |
| LP # 25 | 25 / 26 | 4/6/2004 | Pass | | | | | |
| | 25 / 41 | 4/6/2004 | Pass | | | | | |
| LP # 26 | 26 / 27 | 4/6/2004 | Pass | | | | | |
| | 26 / 42 | 4/6/2004 | Pass | | | | | |
| LP # 27 | 27 / 28 | 4/6/2004 | Pass | | | | | |
| | 27 / 43 | 4/6/2004 | Pass | | | | | |
| LP # 28 | 28 / 29 | 4/6/2004 | Pass | | | | | |
| | 28 / 44 | 4/6/2004 | Pass | | | | | |
| LP # 37 | 37 / 53 | 4/6/2004 | Pass | | | | | |
| | 37 / 54 | 4/6/2004 | Pass | | | | | |
| | 37 / 38 | 4/6/2004 | Pass | | | | | |
| LP # 38 | 38 / 54 | 4/6/2004 | Pass | | | | | |
| | 38 / 57 | 4/6/2004 | Pass | | | | | |
| | 38 / 39 | 4/6/2004 | Pass | | | | | |
| LP # 39 | 39 / 40 | 4/6/2004 | Pass | | | | | |
| | 39 / 58 | 4/6/2004 | Pass | | | | | |
| LP # 40 | 40 / 41 | 4/6/2004 | Pass | | | | | |
| | 40 / 59 | 4/6/2004 | Pass | | | | | |

Answer of "NO" must be explained:

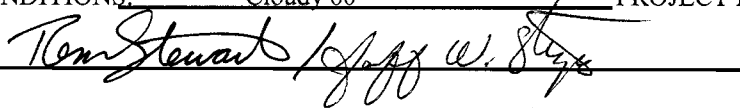
GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 4/7/2004

WEATHER CONDITIONS: Cloudy 60°

PROJECT NAME: Maxey Flats

TECHNICIAN: Tom Stewart/Jeff Stamper
Printed Name/Signature



Checks To Be Made Prior To Testing

- Can the air pump generate and sustain a pressure of 20 psi?
- Is the air lance in good working order?
- Has the entire seam been air lance tested?

Retest

- After repair, have all the defects been successfully retested?
- Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

| YES/NO | | YES/NO |
|------------|---|------------|
| <u>Yes</u> | Has the air lance testing detected any defects? | <u>No</u> |
| <u>Yes</u> | Have all the defects detected been marked on the panel and recorded in the following table? | <u>N/A</u> |

Summary

| Yes/No | | Yes/No |
|------------|---------------------------------|------------|
| <u>N/A</u> | Is the seam 100% tested? | <u>Yes</u> |
| <u>N/A</u> | Have all defects been repaired? | <u>N/A</u> |

| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|---------|---------|----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP # 53 | 53 / 54 | 4/7/2004 | Pass | | | | | |
| | 53 / 55 | 4/7/2004 | Pass | | | | | |
| LP # 54 | 54 / 56 | 4/7/2004 | Pass | | | | | |
| | 54 / 57 | 4/7/2004 | Pass | | | | | |
| LP # 55 | 55 / 56 | 4/7/2004 | Pass | | | | | |
| | 55 / 80 | 4/7/2004 | Pass | | | | | |
| LP # 56 | 56 / 57 | 4/7/2004 | Pass | | | | | |
| | 56 / 80 | 4/7/2004 | Pass | | | | | |
| LP # 57 | 57 / 58 | 4/7/2004 | Pass | | | | | |
| | 57 / 81 | 4/7/2004 | Pass | | | | | |
| LP # 58 | 58 / 59 | 4/7/2004 | Pass | | | | | |
| | 58 / 82 | 4/7/2004 | Pass | | | | | |
| LP # 59 | 59 / 60 | 4/7/2004 | Pass | | | | | |
| | 59 / 83 | 4/7/2004 | Pass | | | | | |
| LP # 60 | 60 / 61 | 4/7/2004 | Pass | | | | | |
| | 60 / 84 | 4/7/2004 | Pass | | | | | |
| LP # 61 | 61 / 62 | 4/7/2004 | Pass | | | | | |
| | 61 / 85 | 4/7/2004 | Pass | | | | | |
| LP # 62 | 62 / 63 | 4/7/2004 | Pass | | | | | |
| | 62 / 86 | 4/7/2004 | Pass | | | | | |

Answer of "NO" must be explained:

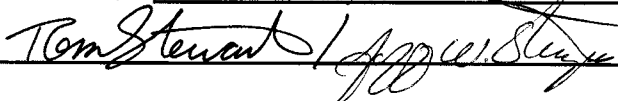
GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 4/7/2004

WEATHER CONDITIONS: Cloudy 60°

PROJECT NAME: Maxey Flats

TECHNICIAN: Tom Stewart/Jeff Stamper
Printed Name/Signature



Checks To Be Made Prior To Testing

- Can the air pump generate and sustain a pressure of 20 psi?
- Is the air lance in good working order?
- Has the entire seam been air lance tested?

Retest

- After repair, have all the defects been successfully retested?
- Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

| YES/NO | | YES/NO |
|------------|---|------------|
| <u>Yes</u> | Has the air lance testing detected any defects? | <u>No</u> |
| <u>Yes</u> | Have all the defects detected been marked on the panel and recorded in the following table? | <u>N/A</u> |

Summary

| Yes/No | | Yes/No |
|------------|---------------------------------|------------|
| <u>N/A</u> | Is the seam 100% tested? | <u>Yes</u> |
| <u>N/A</u> | Have all defects been repaired? | <u>N/A</u> |

| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|---------|----------|----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP # 63 | 63 / 64 | 4/7/2004 | Pass | | | | | |
| | 63 / 87 | 4/7/2004 | Pass | | | | | |
| | 63 / 65 | 4/7/2004 | Pass | | | | | |
| LP # 79 | 79 / 80 | 4/7/2004 | Pass | | | | | |
| | 79 / 96 | 4/7/2004 | Pass | | | | | |
| LP # 80 | 80 / 81 | 4/7/2004 | Pass | | | | | |
| | 80 / 97 | 4/7/2004 | Pass | | | | | |
| LP # 81 | 81 / 82 | 4/7/2004 | Pass | | | | | |
| | 81 / 97 | 4/7/2004 | Pass | | | | | |
| | 81 / 98 | 4/7/2004 | Pass | | | | | |
| LP # 82 | 82 / 83 | 4/7/2004 | Pass | | | | | |
| | 82 / 99 | 4/7/2004 | Pass | | | | | |
| LP # 83 | 83 / 84 | 4/7/2004 | Pass | | | | | |
| | 83 / 100 | 4/7/2004 | Pass | | | | | |
| LP # 84 | 84 / 85 | 4/7/2004 | Pass | | | | | |
| | 84 / 101 | 4/7/2004 | Pass | | | | | |
| LP # 85 | 85 / 86 | 4/7/2004 | Pass | | | | | |
| | 85 / 102 | 4/7/2004 | Pass | | | | | |
| LP # 86 | 86 / 87 | 4/7/2004 | Pass | | | | | |
| | 86 / 103 | 4/7/2004 | Pass | | | | | |

Answer of "NO" must be explained:

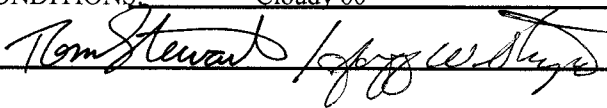
GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 4/7/2004

WEATHER CONDITIONS: Cloudy 60°

PROJECT NAME: Maxey Flats

TECHNICIAN: Tom Stewart/Jeff Stamper
Printed Name/Signature



Checks To Be Made Prior To Testing

- Can the air pump generate and sustain a pressure of 20 psi?
- Is the air lance in good working order?
- Has the entire seam been air lance tested?

Retest

- After repair, have all the defects been successfully retested?
- Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

| YES/NO | | YES/NO |
|------------|---|------------|
| <u>Yes</u> | Has the air lance testing detected any defects? | <u>No</u> |
| <u>Yes</u> | Have all the defects detected been marked on the panel and recorded in the following table? | <u>N/A</u> |

Summary

| Yes/No | | Yes/No |
|------------|---------------------------------|------------|
| <u>N/A</u> | Is the seam 100% tested? | <u>Yes</u> |
| <u>N/A</u> | Have all defects been repaired? | <u>N/A</u> |

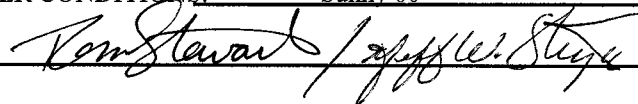
| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|----------|-----------|----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP # 87 | 87 / 88 | 4/7/2004 | Pass | | | | | |
| | 87 / 104 | 4/7/2004 | Pass | | | | | |
| | 87 / 105 | 4/7/2004 | Pass | | | | | |
| LP # 96 | 96 / 97 | 4/7/2004 | Pass | | | | | |
| | 96 / 112 | 4/7/2004 | Pass | | | | | |
| LP # 97 | 97 / 98 | 4/7/2004 | Pass | | | | | |
| | 97 / 113 | 4/7/2004 | Pass | | | | | |
| LP # 112 | 112 / 113 | 4/7/2004 | Pass | | | | | |
| | 112 / 114 | 4/7/2004 | Pass | | | | | |
| LP # 113 | 113 / 115 | 4/7/2004 | Pass | | | | | |
| | 114 / 137 | 4/7/2004 | Pass | | | | | |
| LP # 114 | 114 / 115 | 4/7/2004 | Pass | | | | | |
| | 115 / 138 | 4/7/2004 | Pass | | | | | |
| | 115 / 116 | 4/7/2004 | Pass | | | | | |
| LP # 116 | 116 / 138 | 4/7/2004 | Pass | | | | | |
| | 116 / 117 | 4/7/2004 | Pass | | | | | |
| | 116 / 141 | 4/7/2004 | Pass | | | | | |
| LP # 117 | 117 / 118 | 4/7/2004 | Pass | | | | | |
| | 117 / 142 | 4/7/2004 | Pass | | | | | |
| LP # 118 | 118 / 119 | 4/7/2004 | Pass | | | | | |
| | 118 / 143 | 4/7/2004 | Pass | | | | | |

Answer of "NO" must be explained:

GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 4/15/2004 WEATHER CONDITIONS: Sunny 60° PROJECT NAME: Maxey Flats

TECHNICIAN: Tom Stewart/Jeff Stamper
Printed Name/Signature



Checks To Be Made Prior To Testing

- Can the air pump generate and sustain a pressure of 20 psi?
- Is the air lance in good working order?
- Has the entire seam been air lance tested?

Retest

- After repair, have all the defects been successfully retested?
- Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

| YES/NO | | YES/NO |
|------------|---|------------|
| <u>Yes</u> | Has the air lance testing detected any defects? | <u>Yes</u> |
| <u>Yes</u> | Have all the defects detected been marked on the panel and recorded in the following table? | <u>Yes</u> |

Summary

| Yes/No | | Yes/No |
|------------|---------------------------------|------------|
| <u>Yes</u> | Is the seam 100% tested? | <u>Yes</u> |
| <u>Yes</u> | Have all defects been repaired? | <u>Yes</u> |

| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|----------|-----------|-----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP # 98 | 98 / 99 | 4/15/2004 | Pass | | | | | |
| | 98 / 113 | 4/15/2004 | Pass | | | | | |
| | 98 / 116 | 4/15/2004 | Pass | ✓ | Pass | 5/17/2004 | 040704-1 | Extrusion / 5-17-04 |
| LP # 99 | 99 / 100 | 4/15/2004 | Pass | | | | | |
| | 99 / 117 | 4/15/2004 | Pass | | | | | |
| LP # 100 | 100 / 101 | 4/15/2004 | Pass | | | | | |
| | 100 / 118 | 4/15/2004 | Pass | | | | | |
| LP # 101 | 101 / 102 | 4/15/2004 | Pass | | | | | |
| | 101 / 119 | 4/15/2004 | Pass | | | | | |
| LP # 102 | 102 / 103 | 4/15/2004 | Pass | | | | | |
| | 102 / 120 | 4/15/2004 | Pass | | | | | |
| LP # 103 | 103 / 104 | 4/15/2004 | Pass | | | | | |
| | 103 / 121 | 4/15/2004 | Pass | | | | | |
| LP # 104 | 104 / 105 | 4/15/2004 | Pass | | | | | |
| | 104 / 122 | 4/15/2004 | Pass | | | | | |
| LP # 119 | 104 / 375 | 4/15/2004 | Pass | | | | | |
| | 119 / 120 | 4/15/2004 | Pass | | | | | |
| LP # 120 | 119 / 144 | 4/15/2004 | Pass | | | | | |
| | 120 / 121 | 4/15/2004 | Pass | | | | | |
| LP # 121 | 120 / 145 | 4/15/2004 | Pass | | | | | |
| | 121 / 122 | 4/15/2004 | Pass | | | | | |
| | 121 / 146 | 4/15/2004 | Pass | | | | | |

Answer of "NO" must be explained:

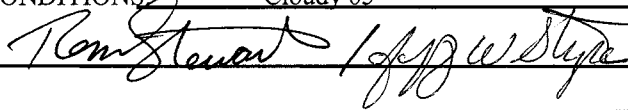
GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 4/16/2004

WEATHER CONDITIONS: Cloudy 65°

PROJECT NAME: Maxey Flats

TECHNICIAN: Tom Stewart/Jeff Stamper
Printed Name/Signature



Checks To Be Made Prior To Testing

- Can the air pump generate and sustain a pressure of 20 psi?
- Is the air lance in good working order?
- Has the entire seam been air lance tested?

Retest

- After repair, have all the defects been successfully retested?
- Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

| YES/NO | | YES/NO |
|------------|---|------------|
| <u>Yes</u> | Has the air lance testing detected any defects? | <u>Yes</u> |
| <u>Yes</u> | Have all the defects detected been marked on the panel and recorded in the following table? | <u>Yes</u> |

Summary

| Yes/No | | Yes/No |
|------------|---------------------------------|------------|
| <u>N/A</u> | Is the seam 100% tested? | <u>Yes</u> |
| <u>N/A</u> | Have all defects been repaired? | <u>Yes</u> |

| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|----------|-----------|-----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP # 137 | 137 / 138 | 4/16/2004 | Pass | | | | | |
| | 137 / 139 | 4/16/2004 | Pass | ✓ | Pass | 5/17/2004 | 041604-1 | Extrusion / 5-17-04 |
| LP # 138 | 138 / 140 | 4/16/2004 | Pass | | | | | |
| | 138 / 141 | 4/16/2004 | Pass | | | | | |
| LP # 139 | 139 / 140 | 4/16/2004 | Pass | | | | | |
| | 139 / 162 | 4/16/2004 | Pass | | | | | |
| LP # 140 | 140 / 141 | 4/16/2004 | Pass | | | | | |
| | 140 / 163 | 4/16/2004 | Pass | | | | | |
| LP # 141 | 141 / 142 | 4/16/2004 | Pass | | | | | |
| | 141 / 164 | 4/16/2004 | Pass | | | | | |
| LP # 142 | 142 / 143 | 4/16/2004 | Pass | | | | | |
| | 142 / 165 | 4/16/2004 | Pass | | | | | |
| LP # 143 | 143 / 144 | 4/16/2004 | Pass | | | | | |
| | 143 / 166 | 4/16/2004 | Pass | | | | | |
| LP # 144 | 144 / 145 | 4/16/2004 | Pass | | | | | |
| | 144 / 167 | 4/16/2004 | Pass | | | | | |
| LP # 145 | 145 / 146 | 4/16/2004 | Pass | | | | | |
| | 145 / 168 | 4/16/2004 | Pass | | | | | |
| LP # 146 | 146 / 147 | 4/16/2004 | Pass | | | | | |
| | 146 / 169 | 4/16/2004 | Pass | | | | | |

Answer of "NO" must be explained:

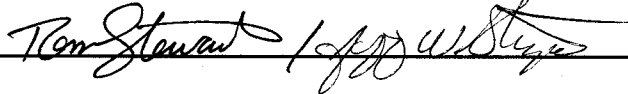
GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 4/16/2004

WEATHER CONDITIONS: Cloudy 65°

PROJECT NAME: Maxey Flats

TECHNICIAN: Tom Stewart/Jeff Stamper
Printed Name/Signature



Checks To Be Made Prior To Testing

- Can the air pump generate and sustain a pressure of 20 psi?
- Is the air lance in good working order?
- Has the entire seam been air lance tested?

Retest

- After repair, have all the defects been successfully retested?
- Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

| YES/NO | | YES/NO |
|------------|---|------------|
| <u>Yes</u> | Has the air lance testing detected any defects? | <u>Yes</u> |
| <u>Yes</u> | Have all the defects detected been marked on the panel and recorded in the following table? | <u>Yes</u> |

Summary

| Yes/No | | Yes/No |
|------------|---------------------------------|------------|
| <u>Yes</u> | Is the seam 100% tested? | <u>Yes</u> |
| <u>Yes</u> | Have all defects been repaired? | <u>Yes</u> |

| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|------------|---------------|-----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP # 147 | 147 / 148 | 4/16/2004 | Pass | | | | | |
| | 147 / 170 | 4/16/2004 | Pass | | | | | |
| | 147 / 149 | 4/16/2004 | Pass | | | | | |
| LP # 162 | 162 / 178 | 4/16/2004 | Pass | | | | | |
| | 162 / 163 | 4/16/2004 | Pass | | | | | |
| LP # 163 | 163 / 164 | 4/16/2004 | Pass | | | | | |
| | 163 / 179 | 4/16/2004 | Pass | | | | | |
| LP # 178 | 178 / 179 | 4/16/2004 | Pass | | | | | |
| | 178 / 191 | 4/16/2004 | Pass | | | | | |
| | 178 / 191EX | 4/16/2004 | Pass | | | | | |
| | 178/178EX | 4/16/2004 | Pass | | | | | |
| LP # 178EX | 178EX / 191EX | 4/16/2004 | Pass | | | | | |
| LP # 179 | 179 / 180 | 4/16/2004 | Pass | | | | | |
| | 179 / 192 | 4/16/2004 | Pass | | | | | |
| LP # 191 | 191 / 192 | 4/16/2004 | Pass | | | | | |
| | 191 / 191EX | 4/16/2004 | Pass | | | | | |
| | 191 / 209 | 4/16/2004 | Pass | | | | | |
| LP # 191EX | 191EX / 209EX | 4/16/2004 | Pass | | | | | |
| LP # 192 | 192 / 193 | 4/16/2004 | Pass | ✓ | Pass | 5/17/2004 | 041704-1 | Extrusion / 5-17-04 |
| | 192 / 210 | 4/16/2004 | Pass | | | | | |

Answer of "NO" must be explained:

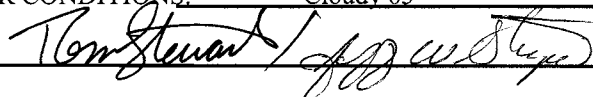
GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 4/16/2004

WEATHER CONDITIONS: Cloudy 65°

PROJECT NAME: Maxey Flats

TECHNICIAN: Tom Stewart/Jeff Stamper
Printed Name/Signature



Checks To Be Made Prior To Testing

Can the air pump generate and sustain a pressure of 20 psi?
 Is the air lance in good working order?
 Has the entire seam been air lance tested?

Retest

After repair, have all the defects been successfully retested?
 Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

| | | |
|---------------|---|---------------|
| <u>YES/NO</u> | | <u>YES/NO</u> |
| <u>Yes</u> | Has the air lance testing detected any defects? | <u>Yes</u> |
| <u>Yes</u> | Have all the defects detected been marked on the panel and recorded in the following table? | <u>Yes</u> |

Summary

| | | |
|---------------|---------------------------------|---------------|
| <u>Yes/No</u> | | <u>Yes/No</u> |
| <u>Yes</u> | Is the seam 100% tested? | <u>Yes</u> |
| <u>Yes</u> | Have all defects been repaired? | <u>Yes</u> |

| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|----------|-------------|-----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP # 209 | 209 / 210 | 4/16/2004 | Pass | | | | | |
| | 209 / 209EX | 4/16/2004 | Pass | | | | | |
| | 209 / 223 | 4/16/2004 | Pass | | | | | |
| LP # 210 | 210 / 211 | 4/16/2004 | Pass | | | | | |
| | 210 / 224 | 4/16/2004 | Pass | | | | | |
| LP # 223 | 223 / 224 | 4/16/2004 | Pass | | | | | |
| | 223 / 236 | 4/16/2004 | Pass | | | | | |
| LP # 224 | 224 / 225 | 4/16/2004 | Pass | | | | | |
| | 224 / 237 | 4/16/2004 | Pass | | | | | |
| LP # 236 | 236/237 | 4/16/2004 | Pass | | | | | |
| | 236/250 | 4/16/2004 | Pass | | | | | |
| LP # 237 | 237/238 | 4/16/2004 | Pass | ✓ | Pass | 5/24/2004 | 041604-2 | Extrusion / 5-24-04 |
| | 237/377-2 | 4/16/2004 | Pass | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Answer of "NO" must be explained:

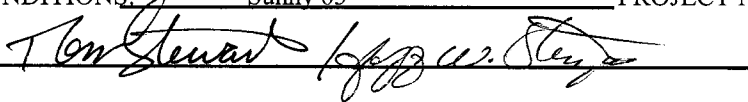
GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 4/19/2004

WEATHER CONDITIONS: Sunny 65°

PROJECT NAME: Maxey Flats

TECHNICIAN: Tom Stewart/Jeff Stamper
Printed Name/Signature



Checks To Be Made Prior To Testing

- Can the air pump generate and sustain a pressure of 20 psi?
- Is the air lance in good working order?
- Has the entire seam been air lance tested?

Retest

- After repair, have all the defects been successfully retested?
- Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

| YES/NO | | YES/NO |
|------------|---|------------|
| <u>Yes</u> | Has the air lance testing detected any defects? | <u>No</u> |
| <u>Yes</u> | Have all the defects detected been marked on the panel and recorded in the following table? | <u>N/A</u> |

Summary

| Yes/No | | Yes/No |
|------------|---------------------------------|------------|
| <u>N/A</u> | Is the seam 100% tested? | <u>Yes</u> |
| <u>N/A</u> | Have all defects been repaired? | <u>N/A</u> |

| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|----------|-----------|-----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP # 164 | 164 / 165 | 4/19/2004 | Pass | | | | | |
| | 164 / 179 | 4/19/2004 | Pass | | | | | |
| | 164 / 180 | 4/19/2004 | Pass | | | | | |
| LP # 165 | 165 / 166 | 4/19/2004 | Pass | | | | | |
| | 165 / 180 | 4/19/2004 | Pass | | | | | |
| | 165 / 181 | 4/19/2004 | Pass | | | | | |
| LP # 166 | 166 / 167 | 4/19/2004 | Pass | | | | | |
| | 166 / 181 | 4/19/2004 | Pass | | | | | |
| LP # 167 | 167 / 168 | 4/19/2004 | Pass | | | | | |
| | 167 / 182 | 4/19/2004 | Pass | | | | | |
| LP # 168 | 168 / 169 | 4/19/2004 | Pass | | | | | |
| | 168 / 182 | 4/19/2004 | Pass | | | | | |
| | 168 / 183 | 4/19/2004 | Pass | | | | | |
| LP # 169 | 169 / 170 | 4/19/2004 | Pass | | | | | |
| | 169 / 183 | 4/19/2004 | Pass | | | | | |
| LP # 170 | 170 / 171 | 4/19/2004 | Pass | | | | | |
| | 170 / 185 | 4/19/2004 | Pass | | | | | |
| | 170 / 184 | 4/19/2004 | Pass | | | | | |

Answer of "NO" must be explained:

GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 5/4/2004

WEATHER CONDITIONS: Sunny 65°

PROJECT NAME: Maxey Flats

TECHNICIAN: Tom Stewart/Jeff Stamper
Printed Name/Signature



Checks To Be Made Prior To Testing

- Can the air pump generate and sustain a pressure of 20 psi?
- Is the air lance in good working order?
- Has the entire seam been air lance tested?

Retest

- After repair, have all the defects been successfully retested?
- Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

- | | | |
|---------------|---|---------------|
| <u>YES/NO</u> | | <u>YES/NO</u> |
| <u>Yes</u> | Has the air lance testing detected any defects? | <u>Yes</u> |
| <u>Yes</u> | Have all the defects detected been marked on the panel and recorded in the following table? | <u>Yes</u> |

Summary

- | | | |
|---------------|---------------------------------|---------------|
| <u>Yes/No</u> | | <u>Yes/No</u> |
| <u>Yes</u> | Is the seam 100% tested? | <u>Yes</u> |
| <u>Yes</u> | Have all defects been repaired? | <u>Yes</u> |

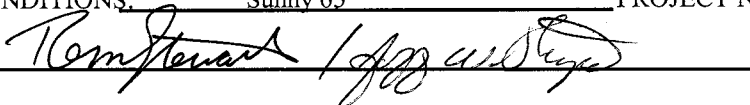
| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|----------|-----------|----------|-----------|--------|-----------|-------------|----------------------|-----------------------|
| LP # 180 | 180 / 181 | 5/4/2004 | Pass | ✓ | Pass | 5/17/2004 | 050404-1 050404-2 | Extrusion / 5-17-04 |
| | 180 / 193 | 5/4/2004 | Pass | | | | | |
| | 180 / 192 | 5/4/2004 | Pass | | | | | |
| LP # 181 | 181 / 182 | 5/4/2004 | Pass | | | | | |
| | 181 / 194 | 5/4/2004 | Pass | | | | | |
| LP # 193 | 193 / 194 | 5/4/2004 | Pass | | | | | |
| | 193 / 211 | 5/4/2004 | Pass | | | | | |
| | 193 / 210 | 5/4/2004 | Pass | | | | | |
| LP # 194 | 194 / 212 | 5/4/2004 | Pass | | | | | |
| | 194 / 195 | 5/4/2004 | Pass | | | | | |
| LP # 211 | 211 / 212 | 5/4/2004 | Pass | | | | | |
| | 211 / 224 | 5/4/2004 | Pass | | | | | |
| | 211 / 225 | 5/4/2004 | Pass | | | | | |
| LP # 212 | 212 / 213 | 5/4/2004 | Pass | | | | | |
| | 212 / 226 | 5/4/2004 | Pass | | | | | |
| LP # 225 | 225 / 226 | 5/4/2004 | Pass | | | | | |
| | 225 / 238 | 5/4/2004 | Pass | | | | | |
| | 225 / 237 | 5/4/2004 | Pass | | | | | |
| LP # 226 | 226 / 227 | 5/4/2004 | Pass | | | | | |
| | 226 / 239 | 5/4/2004 | Pass | | | | | |
| | 226 / 240 | 5/4/2004 | Pass | | | | | |

Answer of "NO" must be explained:

GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 5/4/2004 WEATHER CONDITIONS: Sunny 65° PROJECT NAME: Maxey Flats

TECHNICIAN: Tom Stewart/Jeff Stamper
Printed Name/Signature



Checks To Be Made Prior To Testing

- Can the air pump generate and sustain a pressure of 20 psi?
- Is the air lance in good working order?
- Has the entire seam been air lance tested?

Retest

- After repair, have all the defects been successfully retested?
- Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

| YES/NO | | YES/NO |
|------------|---|------------|
| <u>Yes</u> | Has the air lance testing detected any defects? | <u>No</u> |
| <u>Yes</u> | Have all the defects detected been marked on the panel and recorded in the following table? | <u>N/A</u> |

Summary

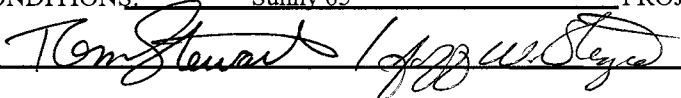
| Yes/No | | Yes/No |
|------------|---------------------------------|------------|
| <u>N/A</u> | Is the seam 100% tested? | <u>Yes</u> |
| <u>N/A</u> | Have all defects been repaired? | <u>N/A</u> |

| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|------------|-------------|----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP # 238 | 238/239 | 5/4/2004 | Pass | | | | | |
| | 238/282 | 5/4/2004 | Pass | | | | | |
| | 238/377-2 | 5/4/2004 | Pass | | | | | |
| LP # 239 | 239/240 | 5/4/2004 | Pass | | | | | |
| | 239/387 | 5/4/2004 | Pass | | | | | |
| LP # 250 | 250/377-2 | 5/4/2004 | Pass | | | | | |
| | 250/251 | 5/4/2004 | Pass | | | | | |
| LP # 251 | 251/251EX | 5/4/2004 | Pass | | | | | |
| | 251/252 | 5/4/2004 | Pass | | | | | |
| | 251/378 | 5/4/2004 | Pass | | | | | |
| LP # 251EX | 251EX/252EX | 5/4/2004 | Pass | | | | | |
| LP # 252 | 252/252EX | 5/4/2004 | Pass | | | | | |
| | 252/379 | 5/4/2004 | Pass | | | | | |
| | 252/253 | 5/4/2004 | Pass | | | | | |
| LP # 252EX | 252EX/252EX | 5/4/2004 | Pass | | | | | |
| LP # 253 | 253/253EX | 5/4/2004 | Pass | | | | | |
| | 253/254 | 5/4/2004 | Pass | | | | | |
| | 253/380 | 5/4/2004 | Pass | | | | | |
| LP # 253EX | 253EX/253EX | 5/4/2004 | Pass | | | | | |
| LP # 254 | 254/254EX | 5/4/2004 | Pass | | | | | |
| | 254/255 | 5/4/2004 | Pass | | | | | |
| | 254/381 | 5/4/2004 | Pass | | | | | |
| LP # 254EX | 254EX/255EX | 5/4/2004 | Pass | | | | | |

Answer of "NO" must be explained:

GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 5/4/2004 WEATHER CONDITIONS: Sunny 65° PROJECT NAME: Maxey Flats

TECHNICIAN: Tom Stewart/Jeff Stamper
Printed Name/Signature 

Checks To Be Made Prior To Testing

- Can the air pump generate and sustain a pressure of 20 psi?
- Is the air lance in good working order?
- Has the entire seam been air lance tested?

Retest

- After repair, have all the defects been successfully retested?
- Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

| YES/NO | | YES/NO |
|------------|---|------------|
| <u>Yes</u> | Has the air lance testing detected any defects? | <u>No</u> |
| <u>Yes</u> | Have all the defects detected been marked on the panel and recorded in the following table? | <u>N/A</u> |

Summary

| Yes/No | | Yes/No |
|------------|---------------------------------|------------|
| <u>N/A</u> | Is the seam 100% tested? | <u>Yes</u> |
| <u>N/A</u> | Have all defects been repaired? | <u>N/A</u> |

| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|------------|-----------|----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP # 255 | 255/255EX | 5/4/2004 | Pass | | | | | |
| | 255/256 | 5/4/2004 | Pass | | | | | |
| | 255/314 | 5/4/2004 | Pass | | | | | |
| | 255/398 | 5/4/2004 | Pass | | | | | |
| LP # 255EX | 255EX/256 | 5/4/2004 | Pass | | | | | |
| LP # 256 | 256/313 | 5/4/2004 | Pass | | | | | |
| | 256/314 | 5/4/2004 | Pass | | | | | |
| LP # 313 | 313/314 | 5/4/2004 | Pass | | | | | |
| | 313/334 | 5/4/2004 | Pass | | | | | |
| | 313/332 | 5/4/2004 | Pass | | | | | |
| LP # 314 | 314/315 | 5/4/2004 | Pass | | | | | |
| | 314/398 | 5/4/2004 | Pass | | | | | |
| | 314/334 | 5/4/2004 | Pass | | | | | |
| LP # 315 | 315/316 | 5/4/2004 | Pass | | | | | |
| | 315/335 | 5/4/2004 | Pass | | | | | |
| | 315/398 | 5/4/2004 | Pass | | | | | |
| | 315/399 | 5/4/2004 | Pass | | | | | |
| LP # 316 | 316/399 | 5/4/2004 | Pass | | | | | |
| | 316/400 | 5/4/2004 | Pass | | | | | |
| | 316/336 | 5/4/2004 | Pass | | | | | |
| | 316/337 | 5/4/2004 | Pass | | | | | |
| LP # 332 | 332/333 | 5/4/2004 | Pass | | | | | |
| | 332/334 | 5/4/2004 | Pass | | | | | |

Answer of "NO" must be explained:

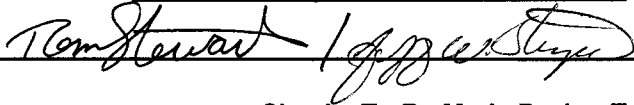
GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 5/4/2004

WEATHER CONDITIONS: Sunny 65°

PROJECT NAME: Maxey Flats

TECHNICIAN: Tom Stewart/Jeff Stamper
Printed Name/Signature



Checks To Be Made Prior To Testing

- Can the air pump generate and sustain a pressure of 20 psi?
- Is the air lance in good working order?
- Has the entire seam been air lance tested?

Retest

- After repair, have all the defects been successfully retested?
- Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

- | | | |
|---------------|---|---------------|
| <u>YES/NO</u> | | <u>YES/NO</u> |
| <u>Yes</u> | Has the air lance testing detected any defects? | <u>Yes</u> |
| <u>Yes</u> | Have all the defects detected been marked on the panel and recorded in the following table? | <u>Yes</u> |

Summary

- | | | |
|---------------|---------------------------------|---------------|
| <u>Yes/No</u> | | <u>Yes/No</u> |
| <u>Yes</u> | Is the seam 100% tested? | <u>Yes</u> |
| <u>Yes</u> | Have all defects been repaired? | <u>Yes</u> |

| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|------------|-----------|----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP # 377-2 | 377-2/378 | 5/4/2004 | Pass | | | | | |
| | 377-2/382 | 5/4/2004 | Pass | | | | | |
| LP # 378 | 378/379 | 5/4/2004 | Pass | | | | | |
| | 378/382 | 5/4/2004 | Pass | | | | | |
| LP # 379 | 378/383 | 5/4/2004 | Pass | ✓ | Pass | 5/24/2004 | 050404-3 | Extrusion / 5-24-04 |
| | 379/380 | 5/4/2004 | Pass | | | | | |
| | 379/383 | 5/4/2004 | Pass | | | | | |
| LP # 380 | 379/384 | 5/4/2004 | Pass | | | | | |
| | 380/381 | 5/4/2004 | Pass | | | | | |
| | 380/384 | 5/4/2004 | Pass | | | | | |
| LP # 381 | 380/385 | 5/4/2004 | Pass | | | | | |
| | 381/385 | 5/4/2004 | Pass | | | | | |
| | 381/386 | 5/4/2004 | Pass | | | | | |
| LP # 382 | 381/398 | 5/4/2004 | Pass | | | | | |
| | 382/383 | 5/4/2004 | Pass | | | | | |
| | 382/387 | 5/4/2004 | Pass | | | | | |
| LP # 383 | 383/384 | 5/4/2004 | Pass | | | | | |
| | 383/388 | 5/4/2004 | Pass | | | | | |
| LP # 384 | 384/385 | 5/4/2004 | Pass | | | | | |
| | 384/389 | 5/4/2004 | Pass | | | | | |
| LP # 385 | 385/386 | 5/4/2004 | Pass | | | | | |
| | 385/390 | 5/4/2004 | Pass | | | | | |

Answer of "NO" must be explained:

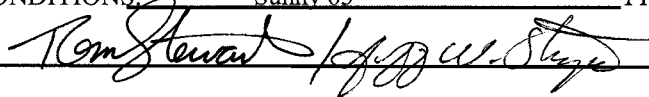
GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 5/4/2004

WEATHER CONDITIONS: Sunny 65°

PROJECT NAME: Maxey Flats

TECHNICIAN: Tom Stewart/Jeff Stamper
Printed Name/Signature



Checks To Be Made Prior To Testing

- Can the air pump generate and sustain a pressure of 20 psi?
- Is the air lance in good working order?
- Has the entire seam been air lance tested?

Retest

- After repair, have all the defects been successfully retested?
- Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

| YES/NO | | YES/NO |
|------------|---|------------|
| <u>Yes</u> | Has the air lance testing detected any defects? | <u>Yes</u> |
| <u>Yes</u> | Have all the defects detected been marked on the panel and recorded in the following table? | <u>Yes</u> |

Summary

| Yes/No | | Yes/No |
|------------|---------------------------------|------------|
| <u>Yes</u> | Is the seam 100% tested? | <u>Yes</u> |
| <u>Yes</u> | Have all defects been repaired? | <u>Yes</u> |

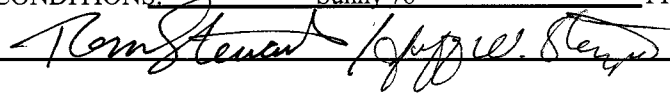
| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|----------|---------|----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP # 386 | 386/398 | 5/4/2004 | Pass | | | | | |
| | 386/391 | 5/4/2004 | Pass | | | | | |
| | 386/399 | 5/4/2004 | Pass | | | | | |
| LP # 387 | 387/388 | 5/4/2004 | Pass | ✓ | Pass | 5/17/2004 | 050404-4 | Extrusion / 5-17-04 |
| | 387/392 | 5/4/2004 | Pass | | | | | |
| LP # 388 | 388/389 | 5/4/2004 | Pass | | | | | |
| | 388/392 | 5/4/2004 | Pass | | | | | |
| | 388/393 | 5/4/2004 | Pass | | | | | |
| LP # 389 | 389/390 | 5/4/2004 | Pass | | | | | |
| | 389/393 | 5/4/2004 | Pass | | | | | |
| LP # 390 | 390/391 | 5/4/2004 | Pass | | | | | |
| | 390/395 | 5/4/2004 | Pass | | | | | |
| | 390/396 | 5/4/2004 | Pass | | | | | |
| LP # 391 | 391/396 | 5/4/2004 | Pass | | | | | |
| | 391/399 | 5/4/2004 | Pass | | | | | |
| | 391/400 | 5/4/2004 | Pass | | | | | |
| LP # 396 | 396/401 | 5/4/2004 | Pass | | | | | |
| | 396/402 | 5/4/2004 | Pass | | | | | |
| LP # 399 | 399/400 | 5/4/2004 | Pass | | | | | |
| LP # 333 | 333/351 | 5/4/2004 | Pass | | | | | |
| LP # 334 | 334/335 | 5/4/2004 | Pass | | | | | |
| | 334/351 | 5/4/2004 | Pass | | | | | |

Answer of "NO" must be explained:

GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 5/5/2004 WEATHER CONDITIONS: Sunny 78° PROJECT NAME: Maxey Flats

TECHNICIAN: Tom Stewart/Jeff Stamper
Printed Name/Signature



Checks To Be Made Prior To Testing

- Can the air pump generate and sustain a pressure of 20 psi?
- Is the air lance in good working order?
- Has the entire seam been air lance tested?

Retest

- After repair, have all the defects been successfully retested?
- Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

| YES/NO | | YES/NO |
|------------|---|------------|
| <u>Yes</u> | Has the air lance testing detected any defects? | <u>No</u> |
| <u>Yes</u> | Have all the defects detected been marked on the panel and recorded in the following table? | <u>N/A</u> |

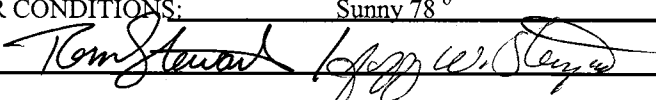
Summary

| Yes/No | | Yes/No |
|------------|---------------------------------|------------|
| <u>N/A</u> | Is the seam 100% tested? | <u>Yes</u> |
| <u>N/A</u> | Have all defects been repaired? | <u>N/A</u> |

| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|----------|---------|----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP # 336 | 336/337 | 5/5/2004 | Pass | | | | | |
| | 336/353 | 5/5/2004 | Pass | | | | | |
| LP # 337 | 337/338 | 5/5/2004 | Pass | | | | | |
| | 337/354 | 5/5/2004 | Pass | | | | | |
| LP # 338 | 338/355 | 5/5/2004 | Pass | | | | | |
| | 338/400 | 5/5/2004 | Pass | | | | | |
| LP # 317 | 317/318 | 5/5/2004 | Pass | | | | | |
| | 317/338 | 5/5/2004 | Pass | | | | | |
| | 317/339 | 5/5/2004 | Pass | | | | | |
| | 317/401 | 5/5/2004 | Pass | | | | | |
| LP # 400 | 400/401 | 5/5/2004 | Pass | | | | | |
| LP # 401 | 400/401 | 5/5/2004 | Pass | | | | | |
| LP # 353 | 353/354 | 5/5/2004 | Pass | | | | | |
| | 353/366 | 5/5/2004 | Pass | | | | | |
| LP # 354 | 354/355 | 5/5/2004 | Pass | | | | | |
| | 354/367 | 5/5/2004 | Pass | | | | | |
| | 354/368 | 5/5/2004 | Pass | | | | | |
| LP # 339 | 339/340 | 5/5/2004 | Pass | | | | | |
| | 339/355 | 5/5/2004 | Pass | | | | | |
| | 339/356 | 5/5/2004 | Pass | | | | | |
| LP # 340 | 340/341 | 5/5/2004 | Pass | | | | | |
| | 340/357 | 5/5/2004 | Pass | | | | | |

Answer of "NO" must be explained:

GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 5/5/2004 WEATHER CONDITIONS: Sunny 78° PROJECT NAME: Maxey Flats
 TECHNICIAN: Tom Stewart/Jeff Stamper
Printed Name/Signature 

Checks To Be Made Prior To Testing

Can the air pump generate and sustain a pressure of 20 psi?
 Is the air lance in good working order?
 Has the entire seam been air lance tested?

Retest

After repair, have all the defects been successfully retested?
 Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

| YES/NO | | YES/NO |
|------------|---|------------|
| <u>Yes</u> | Has the air lance testing detected any defects? | <u>Yes</u> |
| <u>Yes</u> | Have all the defects detected been marked on the panel and recorded in the following table? | <u>Yes</u> |

Summary

| Yes/No | | Yes/No |
|------------|---------------------------------|------------|
| <u>Yes</u> | Is the seam 100% tested? | <u>Yes</u> |
| <u>Yes</u> | Have all defects been repaired? | <u>Yes</u> |

| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|----------|---------|----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP # 341 | 341/342 | 5/5/2004 | Pass | | | | | |
| | 341/358 | 5/5/2004 | Pass | ✓ | Pass | 5/24/2004 | 050504-1 | |
| LP # 342 | 342/343 | 5/5/2004 | Pass | ✓ | Pass | 5/24/2004 | 050504-2 | Extrusion / 5-24-04 |
| | 342/359 | 5/5/2004 | Pass | | | | 050504-3 | Extrusion / 5-24-04 |
| LP # 343 | 343/344 | 5/5/2004 | Pass | | | | | |
| | 343/360 | 5/5/2004 | Pass | | | | | |
| LP # 344 | 344/345 | 5/5/2004 | Pass | ✓ | Pass | 5/24/2004 | 050504-4 | Extrusion / 5-24-04 |
| | 344/361 | 5/5/2004 | Pass | | | | | |
| LP # 345 | 345/350 | 5/5/2004 | Pass | | | | | |
| | 345/362 | 5/5/2004 | Pass | | | | | |
| LP # 350 | 350/363 | 5/5/2004 | Pass | | | | | |
| LP # 355 | 355/368 | 5/5/2004 | Pass | | | | | |
| LP # 356 | 356/368 | 5/5/2004 | Pass | | | | | |
| | 356/357 | 5/5/2004 | Pass | | | | | |
| | 356/369 | 5/5/2004 | Pass | | | | | |
| | 356/370 | 5/5/2004 | Pass | | | | | |
| LP # 357 | 357/358 | 5/5/2004 | Pass | | | | | |
| | 357/370 | 5/5/2004 | Pass | | | | | |
| LP # 358 | 358/359 | 5/5/2004 | Pass | | | | | |
| | 358/371 | 5/5/2004 | Pass | | | | | |
| LP # 359 | 359/360 | 5/5/2004 | Pass | | | | | |
| | 359/371 | 5/5/2004 | Pass | | | | | |

Answer of "NO" must be explained:

GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 5/6/2004

WEATHER CONDITIONS: Sunny 82°

PROJECT NAME: Maxey Flats

TECHNICIAN: Tom Stewart/Jeff Stamper
Printed Name/Signature



Checks To Be Made Prior To Testing

- Can the air pump generate and sustain a pressure of 20 psi?
- Is the air lance in good working order?
- Has the entire seam been air lance tested?

Retest

- After repair, have all the defects been successfully retested?
- Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

| | | |
|---------------|---|---------------|
| <u>YES/NO</u> | | <u>YES/NO</u> |
| <u>Yes</u> | Has the air lance testing detected any defects? | <u>No</u> |
| <u>Yes</u> | Have all the defects detected been marked on the panel and recorded in the following table? | <u>N/A</u> |
| <u>Yes</u> | | |

Summary

| | | |
|---------------|---------------------------------|---------------|
| <u>Yes/No</u> | | <u>Yes/No</u> |
| <u>N/A</u> | Is the seam 100% tested? | <u>Yes</u> |
| <u>N/A</u> | Have all defects been repaired? | <u>N/A</u> |

| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|----------|-------------|----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP # 182 | 182 / 183 | 5/6/2004 | Pass | | | | | |
| | 182 / 195 | 5/6/2004 | Pass | | | | | |
| LP # 183 | 183 / 184 | 5/6/2004 | Pass | | | | | |
| | 183 / 196 | 5/6/2004 | Pass | | | | | |
| | 183/197 | 5/6/2004 | Pass | | | | | |
| LP # 184 | 184 / 185 | 5/6/2004 | Pass | | | | | |
| | 184 / 197 | 5/6/2004 | Pass | | | | | |
| LP # 195 | 195 / 196 | 5/6/2004 | Pass | | | | | |
| | 195 / 213 | 5/6/2004 | Pass | | | | | |
| LP # 196 | 196 / 197 | 5/6/2004 | Pass | | | | | |
| | 196 / 214 | 5/6/2004 | Pass | | | | | |
| | 196 / 215 | 5/6/2004 | Pass | | | | | |
| | 196 / 215 | 5/6/2004 | Pass | | | | | |
| LP # 197 | 197 / 198 | 5/6/2004 | Pass | | | | | |
| | 197 / 215 | 5/6/2004 | Pass | | | | | |
| LP # 198 | 198 / 199 | 5/6/2004 | Pass | | | | | |
| | 198 / 199EX | 5/6/2004 | Pass | | | | | |
| | 198 / 216 | 5/6/2004 | Pass | | | | | |
| LP # 213 | 213 / 214 | 5/6/2004 | Pass | | | | | |
| | 213 / 227 | 5/6/2004 | Pass | | | | | |
| | 213 / 227-2 | 5/6/2004 | Pass | | | | | |

Answer of "NO" must be explained:

GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 5/6/2004 WEATHER CONDITIONS: Sunny 82° PROJECT NAME: Maxey Flats
 TECHNICIAN: Tom Stewart/Jeff Stamper
Printed Name/Signature 

Checks To Be Made Prior To Testing

Can the air pump generate and sustain a pressure of 20 psi?
 Is the air lance in good working order?
 Has the entire seam been air lance tested?

Retest

After repair, have all the defects been successfully retested?
 Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

| | | |
|---------------|---|---------------|
| <u>YES/NO</u> | | <u>YES/NO</u> |
| <u>Yes</u> | Has the air lance testing detected any defects? | <u>No</u> |
| <u>Yes</u> | Have all the defects detected been marked on the panel and recorded in the following table? | <u>N/A</u> |

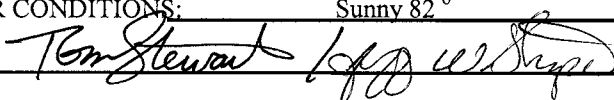
Summary

| | | |
|---------------|---------------------------------|---------------|
| <u>Yes/No</u> | | <u>Yes/No</u> |
| <u>N/A</u> | Is the seam 100% tested? | <u>Yes</u> |
| <u>N/A</u> | Have all defects been repaired? | <u>N/A</u> |

| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|------------|---------------|----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP # 214 | 214 / 215 | 5/6/2004 | Pass | | | | | |
| | 214 / 227-2 | 5/6/2004 | Pass | | | | | |
| | 214 / 228-2 | 5/6/2004 | Pass | | | | | |
| LP # 215 | 215 / 216 | 5/6/2004 | Pass | | | | | |
| | 215 / 229 | 5/6/2004 | Pass | | | | | |
| LP # 216 | 216 / 217 | 5/6/2004 | Pass | | | | | |
| | 216 / 230 | 5/6/2004 | Pass | | | | | |
| LP # 227 | 227 / 227-2 | 5/6/2004 | Pass | | | | | |
| | 227 / 240 | 5/6/2004 | Pass | | | | | |
| LP # 227-2 | 227-2 / 228-2 | 5/6/2004 | Pass | | | | | |
| | 227-2 / 240 | 5/6/2004 | Pass | | | | | |
| | 227-2 / 241 | 5/6/2004 | Pass | | | | | |
| LP # 228-2 | 228-2/229-2 | 5/6/2004 | Pass | | | | | |
| | 228-2/229 | 5/6/2004 | Pass | | | | | |
| | 228-2/241 | 5/6/2004 | Pass | | | | | |
| | 228-2/241-2 | 5/6/2004 | Pass | | | | | |
| LP # 229 | 229/242-2 | 5/6/2004 | Pass | | | | | |
| | 229/230 | 5/6/2004 | Pass | | | | | |
| | 229/229-2 | 5/6/2004 | Pass | | | | | |
| LP # 229-2 | 229-2/242-2 | 5/6/2004 | Pass | | | | | |
| LP # 229-3 | 229-3/242-2 | 5/6/2004 | Pass | | | | | |
| | 229-3/259 | 5/6/2004 | Pass | | | | | |

Answer of "NO" must be explained:

GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 5/6/2004 WEATHER CONDITIONS: Sunny 82° PROJECT NAME: Maxey Flats
 TECHNICIAN: Tom Stewart/Jeff Stamper
Printed Name/Signature 

Checks To Be Made Prior To Testing

Can the air pump generate and sustain a pressure of 20 psi?
 Is the air lance in good working order?
 Has the entire seam been air lance tested?

Retest

After repair, have all the defects been successfully retested?
 Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

| YES/NO | | YES/NO |
|--------|---|--------|
| Yes | Has the air lance testing detected any defects? | No |
| Yes | Have all the defects detected been marked on the panel and recorded in the following table? | N/A |

Summary

| Yes/No | | Yes/No |
|--------|---------------------------------|--------|
| N/A | Is the seam 100% tested? | Yes |
| N/A | Have all defects been repaired? | N/A |

| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|------------|-------------|----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP # 230 | 230/231 | 5/6/2004 | Pass | | | | | |
| | 230/243 | 5/6/2004 | Pass | | | | | |
| LP # 240 | 240/241 | 5/6/2004 | Pass | | | | | |
| | 240/392 | 5/6/2004 | Pass | | | | | |
| LP # 241 | 241/241-2 | 5/6/2004 | Pass | | | | | |
| | 241/257 | 5/6/2004 | Pass | | | | | |
| LP # 241-2 | 241-2/242-2 | 5/6/2004 | Pass | | | | | |
| | 241-2/265 | 5/6/2004 | Pass | | | | | |
| LP # 242-2 | 242-2/259 | 5/6/2004 | Pass | | | | | |
| | 242-2/258 | 5/6/2004 | Pass | | | | | |
| | 242-2/243 | 5/6/2004 | Pass | | | | | |
| LP # 243 | 243/259 | 5/6/2004 | Pass | | | | | |
| | 243/244 | 5/6/2004 | Pass | | | | | |
| LP # 392 | 392/393 | 5/6/2004 | Pass | | | | | |
| LP # 393 | 393/394 | 5/6/2004 | Pass | | | | | |
| | 393/395 | 5/6/2004 | Pass | | | | | |
| LP # 394 | 394/395 | 5/6/2004 | Pass | | | | | |
| LP # 395 | 395/402 | 5/6/2004 | Pass | | | | | |
| | 395/396 | 5/6/2004 | Pass | | | | | |
| LP # 257 | 257/265 | 5/6/2004 | Pass | | | | | |
| | 257/394 | 5/6/2004 | Pass | | | | | |
| | 257/392 | 5/6/2004 | Pass | | | | | |

Answer of "NO" must be explained:

GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 5/6/2004 WEATHER CONDITIONS: Sunny 82° PROJECT NAME: Maxey Flats
 TECHNICIAN: Tom Stewart/Jeff Stamper *Tom Stewart Jeff W. Stamper*
Printed Name/Signature

Checks To Be Made Prior To Testing

Can the air pump generate and sustain a pressure of 20 psi?
 Is the air lance in good working order?
 Has the entire seam been air lance tested?

Retest

After repair, have all the defects been successfully retested?
 Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

| | | |
|---------------|---|---------------|
| <u>YES/NO</u> | | <u>YES/NO</u> |
| <u>Yes</u> | Has the air lance testing detected any defects? | <u>No</u> |
| <u>Yes</u> | Have all the defects detected been marked on the panel and recorded in the following table? | <u>N/A</u> |

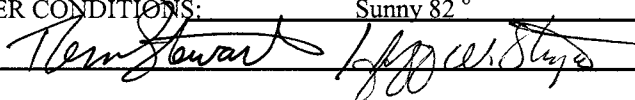
Summary

| | | |
|---------------|---------------------------------|---------------|
| <u>Yes/No</u> | | <u>Yes/No</u> |
| <u>N/A</u> | Is the seam 100% tested? | <u>Yes</u> |
| <u>N/A</u> | Have all defects been repaired? | <u>N/A</u> |

| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|----------|-----------|----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP # 258 | 258/265 | 5/6/2004 | Pass | | | | | |
| | 258/266 | 5/6/2004 | Pass | | | | | |
| | 258/275 | 5/6/2004 | Pass | | | | | |
| LP # 265 | 265/274 | 5/6/2004 | Pass | | | | | |
| LP # 274 | 274/275 | 5/6/2004 | Pass | | | | | |
| | 274/282 | 5/6/2004 | Pass | | | | | |
| | 274/283 | 5/6/2004 | Pass | | | | | |
| | 274/394 | 5/6/2004 | Pass | | | | | |
| LP # 275 | 275/276 | 5/6/2004 | Pass | | | | | |
| | 275/283 | 5/6/2004 | Pass | | | | | |
| LP # 282 | 282/291 | 5/6/2004 | Pass | | | | | |
| | 282/394 | 5/6/2004 | Pass | | | | | |
| | 282/395 | 5/6/2004 | Pass | | | | | |
| | 282/283 | 5/6/2004 | Pass | | | | | |
| | 282/290 | 5/6/2004 | Pass | | | | | |
| LP # 283 | 283/284 | 5/6/2004 | Pass | | | | | |
| | 283/299 | 5/6/2004 | Pass | | | | | |
| | 283/291 | 5/6/2004 | Pass | | | | | |
| | 249/264 | 5/6/2004 | Pass | | | | | |
| LP # 291 | 291/299 | 5/6/2004 | Pass | | | | | |
| | 291/306 | 5/6/2004 | Pass | | | | | |
| | 291/291-2 | 5/6/2004 | Pass | | | | | |

Answer of "NO" must be explained:

GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 5/6/2004 WEATHER CONDITIONS: Sunny 82° PROJECT NAME: Maxey Flats
 TECHNICIAN: Tom Stewart/Jeff Stamper
Printed Name/Signature 

Checks To Be Made Prior To Testing

- Can the air pump generate and sustain a pressure of 20 psi?
- Is the air lance in good working order?
- Has the entire seam been air lance tested?

Retest

- After repair, have all the defects been successfully retested?
- Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

| YES/NO | | YES/NO |
|--------|---|--------|
| Yes | Has the air lance testing detected any defects? | No |
| Yes | Have all the defects detected been marked on the panel and recorded in the following table? | N/A |

Summary

| Yes/No | | Yes/No |
|--------|---------------------------------|--------|
| N/A | Is the seam 100% tested? | Yes |
| N/A | Have all defects been repaired? | N/A |

| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|------------|-----------|----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP # 290 | 290/291 | 5/6/2004 | Pass | | | | | |
| | 290/291-2 | 5/6/2004 | Pass | | | | | |
| | 290/298 | 5/6/2004 | Pass | | | | | |
| | 290/402 | 5/6/2004 | Pass | | | | | |
| | 290/305 | 5/6/2004 | Pass | | | | | |
| LP # 291-2 | 291-2/298 | 5/6/2004 | Pass | | | | | |
| | 291-2/306 | 5/6/2004 | Pass | | | | | |
| LP # 402 | | 5/6/2004 | Pass | | | | | |
| LP # 305 | 305/401 | 5/6/2004 | Pass | | | | | |
| | 305/402 | 5/6/2004 | Pass | | | | | |
| | 305/318 | 5/6/2004 | Pass | | | | | |
| LP # 306 | 306/306-2 | 5/6/2004 | Pass | | | | | |
| | 306/321 | 5/6/2004 | Pass | | | | | |
| | 306/323 | 5/6/2004 | Pass | | | | | |
| LP # 306-2 | 306-2/323 | 5/6/2004 | Pass | | | | | |
| LP # 300 | 300/301 | 5/6/2004 | Pass | | | | | |
| | 300/306-2 | 5/6/2004 | Pass | | | | | |
| | 300/307 | 5/6/2004 | Pass | | | | | |
| LP # 298 | 298/305 | 5/6/2004 | Pass | | | | | |
| | 298/306 | 5/6/2004 | Pass | | | | | |
| | 298/319 | 5/6/2004 | Pass | | | | | |
| | 298/321 | 5/6/2004 | Pass | | | | | |

Answer of "NO" must be explained:

GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 5/6/2004 WEATHER CONDITIONS: Sunny 82° PROJECT NAME: Maxey Flats

TECHNICIAN: Tom Stewart/Jeff Stamper
Printed Name/Signature



Checks To Be Made Prior To Testing

- Can the air pump generate and sustain a pressure of 20 psi?
- Is the air lance in good working order?
- Has the entire seam been air lance tested?

Retest

- After repair, have all the defects been successfully retested?
- Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

| YES/NO | | YES/NO |
|------------|---|------------|
| <u>Yes</u> | Has the air lance testing detected any defects? | <u>No</u> |
| <u>Yes</u> | Have all the defects detected been marked on the panel and recorded in the following table? | <u>N/A</u> |

Summary

| Yes/No | | Yes/No |
|------------|---------------------------------|------------|
| <u>N/A</u> | Is the seam 100% tested? | <u>Yes</u> |
| <u>N/A</u> | Have all defects been repaired? | <u>N/A</u> |

| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|----------|---------|----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP # 318 | 318/319 | 5/6/2004 | Pass | | | | | |
| | 318/340 | 5/6/2004 | Pass | | | | | |
| LP # 319 | 319/320 | 5/6/2004 | Pass | | | | | |
| | 319/321 | 5/6/2004 | Pass | | | | | |
| | 319/341 | 5/6/2004 | Pass | | | | | |
| LP # 320 | 320/321 | 5/6/2004 | Pass | | | | | |
| | 320/322 | 5/6/2004 | Pass | | | | | |
| | 320/342 | 5/6/2004 | Pass | | | | | |
| LP # 321 | 321/323 | 5/6/2004 | Pass | | | | | |
| LP # 322 | 322/323 | 5/6/2004 | Pass | | | | | |
| | 322/324 | 5/6/2004 | Pass | | | | | |
| | 322/343 | 5/6/2004 | Pass | | | | | |
| LP # 323 | | 5/6/2004 | Pass | | | | | |
| LP # 324 | 324/325 | 5/6/2004 | Pass | | | | | |
| | 324/326 | 5/6/2004 | Pass | | | | | |
| | 324/344 | 5/6/2004 | Pass | | | | | |
| LP # 307 | 307/308 | 5/6/2004 | Pass | | | | | |
| | 307/324 | 5/6/2004 | Pass | | | | | |
| | 307/325 | 5/6/2004 | Pass | | | | | |
| | 307/323 | 5/6/2004 | Pass | | | | | |

Answer of "NO" must be explained:

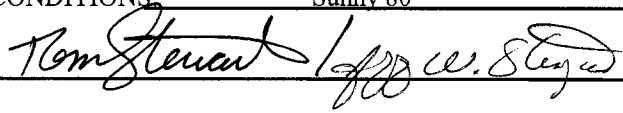
GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 5/7/2004

WEATHER CONDITIONS: Sunny 80°

PROJECT NAME: Maxey Flats

TECHNICIAN: Tom Stewart/Jeff Stamper
Printed Name/Signature



Checks To Be Made Prior To Testing

- Can the air pump generate and sustain a pressure of 20 psi?
- Is the air lance in good working order?
- Has the entire seam been air lance tested?

Retest

- After repair, have all the defects been successfully retested?
- Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

| YES/NO | | YES/NO |
|------------|---|------------|
| <u>Yes</u> | Has the air lance testing detected any defects? | <u>No</u> |
| <u>Yes</u> | Have all the defects detected been marked on the panel and recorded in the following table? | <u>N/A</u> |

Summary

| Yes/No | | Yes/No |
|------------|---------------------------------|------------|
| <u>N/A</u> | Is the seam 100% tested? | <u>Yes</u> |
| <u>N/A</u> | Have all defects been repaired? | <u>N/A</u> |

| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|------------|---------------|----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP # 185 | 185 / 186 | 5/7/2004 | Pass | | | | | |
| | 185 / 197 | 5/7/2004 | Pass | | | | | |
| | 185 / 198 | 5/7/2004 | Pass | | | | | |
| LP # 186 | 186 / 187 | 5/7/2004 | Pass | | | | | |
| | 186 / 187EX | 5/7/2004 | Pass | | | | | |
| | 186 / 199EX | 5/7/2004 | Pass | | | | | |
| LP # 187 | 186 / 198 | 5/7/2004 | Pass | | | | | |
| | 187 / 188 | 5/7/2004 | Pass | | | | | |
| | 187 / 199EX | 5/7/2004 | Pass | | | | | |
| LP # 188 | 187 / 200EX | 5/7/2004 | Pass | | | | | |
| | 187/187EX | 5/7/2004 | Pass | | | | | |
| | 188 / 189 | 5/7/2004 | Pass | | | | | |
| LP # 174 | 188 / 200EX | 5/7/2004 | Pass | | | | | |
| | 188 / 200 | 5/7/2004 | Pass | | | | | |
| | 188 / 201 | 5/7/2004 | Pass | | | | | |
| | 174 / 175 | 5/7/2004 | Pass | | | | | |
| LP # 174EX | 174 / 188 | 5/7/2004 | Pass | | | | | |
| | 174 / 187EX | 5/7/2004 | Pass | | | | | |
| | 174 / 174EX | 5/7/2004 | Pass | | | | | |
| LP # 199EX | 174EX / 175EX | 5/7/2004 | Pass | | | | | |
| LP # 199EX | 199EX / 200EX | 5/7/2004 | Pass | | | | | |

Answer of "NO" must be explained:

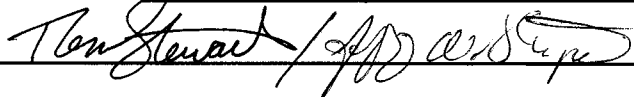
GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 5/7/2004

WEATHER CONDITIONS: Sunny 80°

PROJECT NAME: Maxey Flats

TECHNICIAN: Tom Stewart/Jeff Stamper
Printed Name/Signature



Checks To Be Made Prior To Testing

- Can the air pump generate and sustain a pressure of 20 psi?
- Is the air lance in good working order?
- Has the entire seam been air lance tested?

Retest

- After repair, have all the defects been successfully retested?
- Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

| YES/NO | | YES/NO |
|--------|---|--------|
| Yes | Has the air lance testing detected any defects? | No |
| Yes | Have all the defects detected been marked on the panel and recorded in the following table? | N/A |

Summary

| Yes/No | | Yes/No |
|--------|---------------------------------|--------|
| N/A | Is the seam 100% tested? | Yes |
| N/A | Have all defects been repaired? | N/A |

| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|------------|-------------|----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP # 199 | 199 / 200 | 5/7/2004 | Pass | | | | | |
| | 199 / 217 | 5/7/2004 | Pass | | | | | |
| | 199 / 216 | 5/7/2004 | Pass | | | | | |
| | 199 / 199EX | 5/7/2004 | Pass | | | | | |
| LP # 200 | 200 / 201 | 5/7/2004 | Pass | | | | | |
| | 200 / 218 | 5/7/2004 | Pass | | | | | |
| | 200 / 200EX | 5/7/2004 | Pass | | | | | |
| LP # 200EX | | 5/7/2004 | Pass | | | | | |
| LP # 217 | 217 / 218 | 5/7/2004 | Pass | | | | | |
| | 217 / 231 | 5/7/2004 | Pass | | | | | |
| | 217/230 | 5/7/2004 | Pass | | | | | |
| LP # 218 | 218 / 219 | 5/7/2004 | Pass | | | | | |
| | 218 / 232 | 5/7/2004 | Pass | | | | | |
| LP # 231 | 231/232 | 5/7/2004 | Pass | | | | | |
| | 231/244 | 5/7/2004 | Pass | | | | | |
| | 231/243 | 5/7/2004 | Pass | | | | | |
| LP # 232 | 232/233 | 5/7/2004 | Pass | | | | | |
| | 232/245 | 5/7/2004 | Pass | | | | | |
| LP # 244 | 244/245 | 5/7/2004 | Pass | | | | | |
| | 244/260 | 5/7/2004 | Pass | | | | | |
| | 244/259 | 5/7/2004 | Pass | | | | | |
| LP # 245 | 245/246 | 5/7/2004 | Pass | | | | | |
| | 245/261 | 5/7/2004 | Pass | | | | | |

Answer of "NO" must be explained:

GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 5/7/2004 WEATHER CONDITIONS: Sunny 80° PROJECT NAME: Maxey Flats

TECHNICIAN: Tom Stewart/Jeff Stamper
Printed Name/Signature

Tom Stewart / Jeff W. Stamper

Checks To Be Made Prior To Testing

- Can the air pump generate and sustain a pressure of 20 psi?
- Is the air lance in good working order?
- Has the entire seam been air lance tested?

Retest

- After repair, have all the defects been successfully retested?
- Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

| | | |
|---------------|---|---------------|
| <u>YES/NO</u> | | <u>YES/NO</u> |
| <u>Yes</u> | Has the air lance testing detected any defects? | <u>Yes</u> |
| <u>Yes</u> | Have all the defects detected been marked on the panel and recorded in the following table? | <u>Yes</u> |

Summary

| | | |
|---------------|---------------------------------|---------------|
| <u>Yes/No</u> | | <u>Yes/No</u> |
| <u>Yes</u> | Is the seam 100% tested? | <u>Yes</u> |
| <u>Yes</u> | Have all defects been repaired? | <u>Yes</u> |

| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|----------|---------|----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP # 260 | 260/261 | 5/7/2004 | Pass | | | | | |
| | 260/268 | 5/7/2004 | Pass | | | | | |
| | 260/267 | 5/7/2004 | Pass | | | | | |
| LP # 261 | 261/262 | 5/7/2004 | Pass | | | | | |
| | 261/269 | 5/7/2004 | Pass | | | | | |
| LP # 268 | 268/269 | 5/7/2004 | Pass | | | | | |
| | 268/277 | 5/7/2004 | Pass | | | | | |
| | 268/276 | 5/7/2004 | Pass | | | | | |
| LP # 269 | 269/270 | 5/7/2004 | Pass | | | | | |
| | 269/278 | 5/7/2004 | Pass | | | | | |
| LP # 277 | 277/278 | 5/7/2004 | Pass | | | | | |
| | 277/284 | 5/7/2004 | Pass | | | | | |
| | 277/285 | 5/7/2004 | Pass | | | | | |
| LP # 278 | 278/279 | 5/7/2004 | Pass | | | | | |
| | 278/286 | 5/7/2004 | Pass | ✓ | Pass | 5/17/2004 | 050704-1 | Extrusion / 5-17-04 |
| LP # 285 | 285/286 | 5/7/2004 | Pass | | | | | |
| | 285/293 | 5/7/2004 | Pass | | | | | |
| | 285/292 | 5/7/2004 | Pass | | | | | |
| LP # 286 | 286/287 | 5/7/2004 | Pass | | | | | |
| | 286/294 | 5/7/2004 | Pass | | | | | |
| LP # 259 | 259/266 | 5/7/2004 | Pass | | | | | |
| | 259/267 | 5/7/2004 | Pass | | | | | |

Answer of "NO" must be explained:

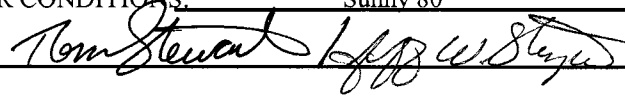
GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 5/7/2004

WEATHER CONDITIONS: Sunny 80°

PROJECT NAME: Maxey Flats

TECHNICIAN: Tom Stewart/Jeff Stamper
Printed Name/Signature



Checks To Be Made Prior To Testing

- Can the air pump generate and sustain a pressure of 20 psi?
- Is the air lance in good working order?
- Has the entire seam been air lance tested?

Retest

- After repair, have all the defects been successfully retested?
- Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

- | | | |
|---------------|---|---------------|
| <u>YES/NO</u> | | <u>YES/NO</u> |
| <u>Yes</u> | Has the air lance testing detected any defects? | <u>Yes</u> |
| <u>Yes</u> | Have all the defects detected been marked on the panel and recorded in the following table? | <u>Yes</u> |

Summary

- | | | |
|---------------|---------------------------------|---------------|
| <u>Yes/No</u> | | <u>Yes/No</u> |
| <u>Yes</u> | Is the seam 100% tested? | <u>Yes</u> |
| <u>Yes</u> | Have all defects been repaired? | <u>Yes</u> |

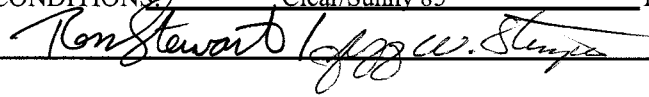
| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|----------|-----------|----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP # 266 | 266/275 | 5/7/2004 | Pass | | | | | |
| | 266/267 | 5/7/2004 | Pass | | | | | |
| | 266/276 | 5/7/2004 | Pass | | | | | |
| LP # 267 | 267/268 | 5/7/2004 | Pass | | | | | |
| | 267/276 | 5/7/2004 | Pass | | | | | |
| LP # 276 | 276/277 | 5/7/2004 | Pass | | | | | |
| | 276/284 | 5/7/2004 | Pass | | | | | |
| LP # 284 | 284/285 | 5/7/2004 | Pass | | | | | |
| | 284/292 | 5/7/2004 | Pass | | | | | |
| LP # 292 | 292/299 | 5/7/2004 | Pass | | | | | |
| | 292/306-2 | 5/7/2004 | Pass | | | | | |
| | 292/300 | 5/7/2004 | Pass | | | | | |
| LP # 299 | 292/293 | 5/7/2004 | Pass | | | | | |
| | 299/306 | 5/7/2004 | Pass | | | | | |
| | 299/306-2 | 5/7/2004 | Pass | ✓ | Pass | 5/17/2004 | 050704-2 | Extrusion / 5-17-04 |
| LP # 293 | 293/294 | 5/7/2004 | Pass | | | | | |
| | 293/300 | 5/7/2004 | Pass | | | | | |
| | 293/301 | 5/7/2004 | Pass | | | | | |
| LP # 294 | 294/295 | 5/7/2004 | Pass | | | | | |
| | 294/302 | 5/7/2004 | Pass | | | | | |
| LP # 301 | 301/302 | 5/7/2004 | Pass | | | | | |
| | 301/308 | 5/7/2004 | Pass | | | | | |

Answer of "NO" must be explained:

GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 5/10/2004 WEATHER CONDITIONS: Clear/Sunny 85° PROJECT NAME: Maxey Flats

TECHNICIAN: Tom Stewart/Jeff Stamper
Printed Name/Signature



Checks To Be Made Prior To Testing

- Can the air pump generate and sustain a pressure of 20 psi?
- Is the air lance in good working order?
- Has the entire seam been air lance tested?

Retest

- After repair, have all the defects been successfully retested?
- Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

| | |
|---------------|--|
| <u>YES/NO</u> | |
| <u>Yes</u> | Has the air lance testing detected any defects? <u>No</u> |
| <u>Yes</u> | Have all the defects detected been marked on the panel and recorded in the following table? <u>N/A</u> |
| <u>Yes</u> | |

Summary

| | |
|---------------|--|
| <u>Yes/No</u> | |
| <u>N/A</u> | Is the seam 100% tested? <u>Yes</u> |
| <u>N/A</u> | Have all defects been repaired? <u>N/A</u> |

| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|---------|---------|-----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP # 9 | 9 / 29 | 5/10/2004 | Pass | | | | | |
| | 9 / 10 | 5/10/2004 | Pass | | | | | |
| | 9 / 28 | 5/10/2004 | Pass | | | | | |
| LP # 10 | 10 / 30 | 5/10/2004 | Pass | | | | | |
| | 10 / 11 | 5/10/2004 | Pass | | | | | |
| | 10 / 29 | 5/10/2004 | Pass | | | | | |
| LP # 11 | 11 / 30 | 5/10/2004 | Pass | | | | | |
| | 11 / 12 | 5/10/2004 | Pass | | | | | |
| LP # 12 | 12 / 31 | 5/10/2004 | Pass | | | | | |
| | 12 / 13 | 5/10/2004 | Pass | | | | | |
| LP # 13 | 13 / 31 | 5/10/2004 | Pass | | | | | |
| | 13 / 32 | 5/10/2004 | Pass | | | | | |
| | 13 / 14 | 5/10/2004 | Pass | | | | | |
| LP # 14 | 14 / 32 | 5/10/2004 | Pass | | | | | |
| | 14 / 15 | 5/10/2004 | Pass | | | | | |
| LP # 15 | 15 / 33 | 5/10/2004 | Pass | | | | | |
| | 15 / 16 | 5/10/2004 | Pass | | | | | |
| LP # 16 | 16 / 33 | 5/10/2004 | Pass | | | | | |
| | 16 / 34 | 5/10/2004 | Pass | | | | | |
| | 16 / 17 | 5/10/2004 | Pass | | | | | |
| LP # 17 | 17 / 34 | 5/10/2004 | Pass | | | | | |
| | 17 / 18 | 5/10/2004 | Pass | | | | | |

Answer of "NO" must be explained:

GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 5/10/2004 WEATHER CONDITIONS: Clear/Sunny 85° PROJECT NAME: Maxey Flats
 TECHNICIAN: Tom Stewart/Jeff Stamper *Tom Stewart / Jeff W. Stamper*
Printed Name/Signature

Checks To Be Made Prior To Testing

Can the air pump generate and sustain a pressure of 20 psi?
 Is the air lance in good working order?
 Has the entire seam been air lance tested?

Retest

After repair, have all the defects been successfully retested?
 Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

| YES/NO | | YES/NO |
|------------|---|------------|
| <u>Yes</u> | Has the air lance testing detected any defects? | <u>Yes</u> |
| <u>Yes</u> | Have all the defects detected been marked on the panel and recorded in the following table? | <u>Yes</u> |

Summary

| Yes/No | | Yes/No |
|------------|---------------------------------|------------|
| <u>Yes</u> | Is the seam 100% tested? | <u>Yes</u> |
| <u>Yes</u> | Have all defects been repaired? | <u>Yes</u> |

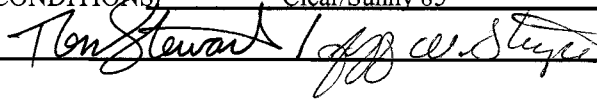
| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|---------|---------|-----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP # 18 | 18 / 35 | 5/10/2004 | Pass | | | | | |
| | 18 / 19 | 5/10/2004 | Pass | | | | | |
| LP # 19 | 19 / 35 | 5/10/2004 | Pass | | | | | |
| LP # 29 | 29 / 30 | 5/10/2004 | Pass | | | | | |
| | 29 / 45 | 5/10/2004 | Pass | | | | | |
| LP # 30 | 30 / 31 | 5/10/2004 | Pass | | | | | |
| | 30 / 46 | 5/10/2004 | Pass | | | | | |
| LP # 31 | 31 / 32 | 5/10/2004 | Pass | | | | | |
| | 31 / 47 | 5/10/2004 | Pass | | | | | |
| LP # 32 | 32 / 33 | 5/10/2004 | Pass | | | | | |
| | 32 / 48 | 5/10/2004 | Pass | | | | | |
| LP # 33 | 33 / 34 | 5/10/2004 | Pass | | | | | |
| | 33 / 49 | 5/10/2004 | Pass | | | | | |
| LP # 34 | 34 / 35 | 5/10/2004 | Pass | ✓ | Pass | 5/17/2004 | 051704-1 | Extrusion / 5-17-04 |
| | 34 / 50 | 5/10/2004 | Pass | | | | | |
| LP # 35 | 35 / 36 | 5/10/2004 | Pass | | | | | |
| | 35 / 51 | 5/10/2004 | Pass | | | | | |
| LP # 36 | 36 / 52 | 5/10/2004 | Pass | | | | | |
| LP # 45 | 45 / 46 | 5/10/2004 | Pass | | | | | |
| | 45 / 64 | 5/10/2004 | Pass | | | | | |
| LP # 46 | 46 / 47 | 5/10/2004 | Pass | | | | | |
| | 46 / 66 | 5/10/2004 | Pass | | | | | |

Answer of "NO" must be explained:

GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 5/10/2004 WEATHER CONDITIONS: Clear/Sunny 85° PROJECT NAME: Maxey Flats

TECHNICIAN: Tom Stewart/Jeff Stamper
Printed Name/Signature



Checks To Be Made Prior To Testing

- Can the air pump generate and sustain a pressure of 20 psi?
- Is the air lance in good working order?
- Has the entire seam been air lance tested?

Retest

- After repair, have all the defects been successfully retested?
- Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

| YES/NO | | YES/NO |
|------------|---|------------|
| <u>Yes</u> | Has the air lance testing detected any defects? | <u>No</u> |
| <u>Yes</u> | Have all the defects detected been marked on the panel and recorded in the following table? | <u>N/A</u> |

Summary

| Yes/No | | Yes/No |
|------------|---------------------------------|------------|
| <u>N/A</u> | Is the seam 100% tested? | <u>Yes</u> |
| <u>N/A</u> | Have all defects been repaired? | <u>N/A</u> |

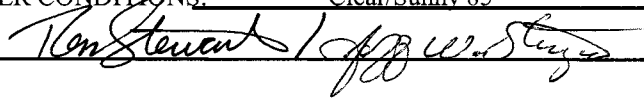
| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|---------|---------|-----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP # 47 | 47 / 48 | 5/10/2004 | Pass | | | | | |
| | 47 / 68 | 5/10/2004 | Pass | | | | | |
| LP # 48 | 48 / 49 | 5/10/2004 | Pass | | | | | |
| | 48 / 70 | 5/10/2004 | Pass | | | | | |
| LP # 49 | 49 / 50 | 5/10/2004 | Pass | | | | | |
| | 49 / 72 | 5/10/2004 | Pass | | | | | |
| LP # 50 | 50 / 51 | 5/10/2004 | Pass | | | | | |
| | 50 / 74 | 5/10/2004 | Pass | | | | | |
| LP # 51 | 51 / 52 | 5/10/2004 | Pass | | | | | |
| | 51 / 76 | 5/10/2004 | Pass | | | | | |
| LP # 52 | 52 / 78 | 5/10/2004 | Pass | | | | | |
| LP # 64 | 64 / 65 | 5/10/2004 | Pass | | | | | |
| | 64 / 66 | 5/10/2004 | Pass | | | | | |
| LP # 65 | 65 / 67 | 5/10/2004 | Pass | | | | | |
| | 65 / 88 | 5/10/2004 | Pass | | | | | |
| LP # 66 | 66 / 68 | 5/10/2004 | Pass | | | | | |
| | 66 / 67 | 5/10/2004 | Pass | | | | | |
| LP # 67 | 67 / 69 | 5/10/2004 | Pass | | | | | |
| | 67 / 89 | 5/10/2004 | Pass | | | | | |
| LP # 68 | 68 / 70 | 5/10/2004 | Pass | | | | | |
| | 68 / 69 | 5/10/2004 | Pass | | | | | |
| LP # 69 | 69 / 71 | 5/10/2004 | Pass | | | | | |
| | 69 / 90 | 5/10/2004 | Pass | | | | | |

Answer of "NO" must be explained:

GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 5/10/2004 WEATHER CONDITIONS: Clear/Sunny 85° PROJECT NAME: Maxey Flats

TECHNICIAN: Tom Stewart/Jeff Stamper
Printed Name/Signature



Checks To Be Made Prior To Testing

- Can the air pump generate and sustain a pressure of 20 psi?
- Is the air lance in good working order?
- Has the entire seam been air lance tested?

Retest

- After repair, have all the defects been successfully retested?
- Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

| YES/NO | | YES/NO |
|------------|---|------------|
| <u>Yes</u> | Has the air lance testing detected any defects? | <u>No</u> |
| <u>Yes</u> | Have all the defects detected been marked on the panel and recorded in the following table? | <u>N/A</u> |

Summary

| Yes/No | | Yes/No |
|------------|---------------------------------|------------|
| <u>N/A</u> | Is the seam 100% tested? | <u>Yes</u> |
| <u>N/A</u> | Have all defects been repaired? | <u>N/A</u> |

| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|--------|----------|-----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP #70 | 70 / 72 | 5/10/2004 | Pass | | | | | |
| | 70 / 71 | 5/10/2004 | Pass | | | | | |
| LP #71 | 71 / 73 | 5/10/2004 | Pass | | | | | |
| | 71 / 91 | 5/10/2004 | Pass | | | | | |
| LP #72 | 72 / 74 | 5/10/2004 | Pass | | | | | |
| | 72 / 73 | 5/10/2004 | Pass | | | | | |
| LP #73 | 73 / 75 | 5/10/2004 | Pass | | | | | |
| | 73 / 92 | 5/10/2004 | Pass | | | | | |
| LP #74 | 74 / 76 | 5/10/2004 | Pass | | | | | |
| | 74 / 75 | 5/10/2004 | Pass | | | | | |
| LP #75 | 75 / 77 | 5/10/2004 | Pass | | | | | |
| | 75 / 93 | 5/10/2004 | Pass | | | | | |
| LP #76 | 76 / 77 | 5/10/2004 | Pass | | | | | |
| | 76 / 78 | 5/10/2004 | Pass | | | | | |
| LP #77 | 77 / 94 | 5/10/2004 | Pass | | | | | |
| | 77 / 95 | 5/10/2004 | Pass | | | | | |
| LP #78 | 78 / 95 | 5/10/2004 | Pass | | | | | |
| LP #88 | 88 / 89 | 5/10/2004 | Pass | | | | | |
| | 88 / 105 | 5/10/2004 | Pass | | | | | |
| LP #89 | 89 / 90 | 5/10/2004 | Pass | | | | | |
| | 89 / 106 | 5/10/2004 | Pass | | | | | |
| LP #90 | 90 / 91 | 5/10/2004 | Pass | | | | | |
| | 90 / 107 | 5/10/2004 | Pass | | | | | |

Answer of "NO" must be explained:

GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 5/10/2004 WEATHER CONDITIONS: Clear/Sunny 85° PROJECT NAME: Maxey Flats

TECHNICIAN: Tom Stewart/Jeff Stamper
Printed Name/Signature



Checks To Be Made Prior To Testing

- Can the air pump generate and sustain a pressure of 20 psi?
- Is the air lance in good working order?
- Has the entire seam been air lance tested?

Retest

- After repair, have all the defects been successfully retested?
- Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

- | | | |
|---------------|---|---------------|
| <u>YES/NO</u> | | <u>YES/NO</u> |
| <u>Yes</u> | Has the air lance testing detected any defects? | <u>No</u> |
| <u>Yes</u> | Have all the defects detected been marked on the panel and recorded in the following table? | <u>N/A</u> |

Summary

- | | | |
|---------------|---------------------------------|---------------|
| <u>Yes/No</u> | | <u>Yes/No</u> |
| <u>N/A</u> | Is the seam 100% tested? | <u>Yes</u> |
| <u>N/A</u> | Have all defects been repaired? | <u>N/A</u> |

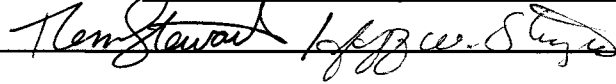
| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|---------|-----------|-----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP #91 | 91 / 92 | 5/10/2004 | Pass | | | | | |
| | 91 / 108 | 5/10/2004 | Pass | | | | | |
| LP #92 | 92 / 93 | 5/10/2004 | Pass | | | | | |
| | 92 / 109 | 5/10/2004 | Pass | | | | | |
| LP #93 | 93 / 94 | 5/10/2004 | Pass | | | | | |
| | 93 / 110 | 5/10/2004 | Pass | | | | | |
| LP #94 | 94 / 376 | 5/10/2004 | Pass | | | | | |
| | 94 / 111 | 5/10/2004 | Pass | | | | | |
| LP #95 | 95 / 376 | 5/10/2004 | Pass | | | | | |
| LP #105 | 105 / 106 | 5/10/2004 | Pass | | | | | |
| | 105 / 375 | 5/10/2004 | Pass | | | | | |
| LP #106 | 106 / 107 | 5/10/2004 | Pass | | | | | |
| | 106 / 124 | 5/10/2004 | Pass | | | | | |
| LP #107 | 107 / 108 | 5/10/2004 | Pass | | | | | |
| | 107 / 126 | 5/10/2004 | Pass | | | | | |
| LP #108 | 108 / 109 | 5/10/2004 | Pass | | | | | |
| | 108 / 128 | 5/10/2004 | Pass | | | | | |
| LP #109 | 109 / 110 | 5/10/2004 | Pass | | | | | |
| | 109 / 130 | 5/10/2004 | Pass | | | | | |
| LP #110 | 110 / 111 | 5/10/2004 | Pass | | | | | |
| | 110 / 132 | 5/10/2004 | Pass | | | | | |
| LP #111 | 111 / 377 | 5/10/2004 | Pass | | | | | |
| | 111 / 134 | 5/10/2004 | Pass | | | | | |

Answer of "NO" must be explained:

GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 5/10/2004 WEATHER CONDITIONS: Clear/Sunny 85° PROJECT NAME: Maxey Flats

TECHNICIAN: Tom Stewart/Jeff Stamper
Printed Name/Signature



Checks To Be Made Prior To Testing

- Can the air pump generate and sustain a pressure of 20 psi?
- Is the air lance in good working order?
- Has the entire seam been air lance tested?

Retest

- After repair, have all the defects been successfully retested?
- Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

| YES/NO | | YES/NO |
|------------|---|------------|
| <u>Yes</u> | Has the air lance testing detected any defects? | <u>No</u> |
| <u>Yes</u> | Have all the defects detected been marked on the panel and recorded in the following table? | <u>N/A</u> |

Summary

| Yes/No | | Yes/No |
|------------|---------------------------------|------------|
| <u>N/A</u> | Is the seam 100% tested? | <u>Yes</u> |
| <u>N/A</u> | Have all defects been repaired? | <u>N/A</u> |

| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|----------|-----------|-----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP # 375 | | 5/10/2004 | Pass | | | | | |
| LP # 376 | 376 / 377 | 5/10/2004 | Pass | | | | | |
| LP # 377 | | 5/10/2004 | Pass | | | | | |
| LP # 123 | 123 / 125 | 5/10/2004 | Pass | | | | | |
| | 123 / 148 | 5/10/2004 | Pass | | | | | |
| | 123 / 375 | 5/10/2004 | Pass | | | | | |
| LP # 124 | 124 / 126 | 5/10/2004 | Pass | | | | | |
| | 124 / 125 | 5/10/2004 | Pass | | | | | |
| | 124/375 | 5/10/2004 | Pass | | | | | |
| LP # 125 | 125 / 127 | 5/10/2004 | Pass | | | | | |
| | 125 / 150 | 5/10/2004 | Pass | | | | | |
| LP # 126 | 126 / 127 | 5/10/2004 | Pass | | | | | |
| | 126 / 128 | 5/10/2004 | Pass | | | | | |
| LP # 127 | 127 / 129 | 5/10/2004 | Pass | | | | | |
| | 127 / 152 | 5/10/2004 | Pass | | | | | |
| LP # 128 | 128 / 130 | 5/10/2004 | Pass | | | | | |
| | 128 / 129 | 5/10/2004 | Pass | | | | | |
| LP # 129 | 129 / 131 | 5/10/2004 | Pass | | | | | |
| | 129 / 154 | 5/10/2004 | Pass | | | | | |
| LP # 130 | 130 / 132 | 5/10/2004 | Pass | | | | | |
| | 130 / 131 | 5/10/2004 | Pass | | | | | |
| LP # 131 | 131 / 133 | 5/10/2004 | Pass | | | | | |
| | 131 / 156 | 5/10/2004 | Pass | | | | | |

Answer of "NO" must be explained:

GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 5/10/2004 WEATHER CONDITIONS: Clear/Sunny 85° PROJECT NAME: Maxey Flats
 TECHNICIAN: Tom Stewart/Jeff Stamper *Tom Stewart Jeff W. Stamper*
Printed Name/Signature

Checks To Be Made Prior To Testing

Can the air pump generate and sustain a pressure of 20 psi?
 Is the air lance in good working order?
 Has the entire seam been air lance tested?

Retest

After repair, have all the defects been successfully retested?
 Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

| | | |
|---------------|---|---------------|
| <u>YES/NO</u> | | <u>YES/NO</u> |
| <u>Yes</u> | Has the air lance testing detected any defects? | <u>Yes</u> |
| <u>Yes</u> | Have all the defects detected been marked on the panel and recorded in the following table? | <u>Yes</u> |

Summary

| | | |
|---------------|---------------------------------|---------------|
| <u>Yes/No</u> | | <u>Yes/No</u> |
| <u>Yes</u> | Is the seam 100% tested? | <u>Yes</u> |
| <u>Yes</u> | Have all defects been repaired? | <u>Yes</u> |

| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|---------|-------------|-----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP #132 | 132 / 134 | 5/10/2004 | Pass | | | | | |
| | 132 / 133 | 5/10/2004 | Pass | | | | | |
| LP #133 | 133 / 158 | 5/10/2004 | Pass | | | | | |
| LP #134 | 134 / 136 | 5/10/2004 | Pass | | | | | |
| LP #148 | 148 / 149 | 5/10/2004 | Pass | | | | | |
| | 148 / 150 | 5/10/2004 | Pass | | | | | |
| LP #149 | 149 / 151 | 5/10/2004 | Pass | | | | | |
| | 149 / 171 | 5/10/2004 | Pass | | | | | |
| LP #150 | 150 / 151 | 5/10/2004 | Pass | | | | | |
| | 150 / 152 | 5/10/2004 | Pass | | | | | |
| LP #151 | 151 / 153 | 5/10/2004 | Pass | | | | | |
| | 151 / 172 | 5/10/2004 | Pass | ✓ | Pass | 5/17/2004 | 051004-2 | Extrusion / 5-17-04 |
| LP #152 | 152 / 153 | 5/10/2004 | Pass | | | | | |
| | 152 / 154 | 5/10/2004 | Pass | | | | | |
| LP #153 | 153 / 155 | 5/10/2004 | Pass | | | | | |
| | 153 / 173 | 5/10/2004 | Pass | | | | | |
| | 153 / 174EX | 5/10/2004 | Pass | | | | | |
| LP #154 | 154 / 155 | 5/10/2004 | Pass | | | | | |
| | 154 / 156 | 5/10/2004 | Pass | | | | | |
| LP #156 | 156 / 157 | 5/10/2004 | Pass | | | | | |
| | 156 / 158 | 5/10/2004 | Pass | | | | | |
| LP #158 | 158 / 159 | 5/10/2004 | Pass | | | | | |

Answer of "NO" must be explained:

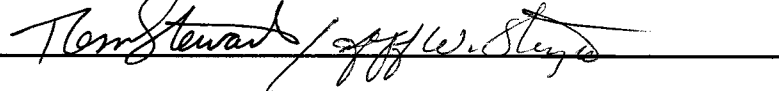
GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 5/11/2004

WEATHER CONDITIONS: Partly Cloudy 80°

PROJECT NAME: Maxey Flats

TECHNICIAN: Tom Stewart/Jeff Stamper
Printed Name/Signature



Checks To Be Made Prior To Testing

- Can the air pump generate and sustain a pressure of 20 psi?
- Is the air lance in good working order?
- Has the entire seam been air lance tested?

Retest

- After repair, have all the defects been successfully retested?
- Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

| YES/NO | | YES/NO |
|------------|---|------------|
| <u>Yes</u> | Has the air lance testing detected any defects? | <u>Yes</u> |
| <u>Yes</u> | Have all the defects detected been marked on the panel and recorded in the following table? | <u>Yes</u> |

Summary

| Yes/No | | Yes/No |
|------------|---------------------------------|------------|
| <u>Yes</u> | Is the seam 100% tested? | <u>Yes</u> |
| <u>Yes</u> | Have all defects been repaired? | <u>Yes</u> |

| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|-----------|---------------|-----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP #155 | 155 / 157 | 5/11/2004 | Pass | | | | | |
| | 155 / 174 EX | 5/11/2004 | Pass | | | | | |
| LP #157 | 157 / 159 | 5/11/2004 | Pass | | | | | |
| | 157 / 175EX | 5/11/2004 | Pass | | | | | |
| LP #159 | 159 / 176EX | 5/11/2004 | Pass | | | | | |
| LP #175 | 175 / 176 | 5/11/2004 | Pass | | | | | |
| | 175 / 189 | 5/11/2004 | Pass | | | | | |
| | 175 / 175EX | 5/11/2004 | Pass | | | | | |
| LP #175EX | 175EX / 176EX | 5/11/2004 | Pass | | | | | |
| LP #176 | 176 / 190 | 5/11/2004 | Pass | | | | | |
| | 176 / 176EX | 5/11/2004 | Pass | | | | | |
| LP #176EX | | 5/11/2004 | Pass | | | | | |
| LP #189 | 189 / 190 | 5/11/2004 | Pass | | | | | |
| | 189 / 201 | 5/11/2004 | Pass | | | | | |
| | 189 / 202 | 5/11/2004 | Pass | | | | | |
| LP #190 | 190 / 202 | 5/11/2004 | Pass | | | | | |
| | 190 / 190EX | 5/11/2004 | Pass | | | | | |
| | 190 / 205 | 5/11/2004 | Pass | ✓ | Pass | 5/17/2004 | 051104-1 | Extrusion / 5-17-04 |
| LP #190EX | 190EX / 203 | 5/11/2004 | Pass | | | | | |
| | 190EX / 205 | 5/11/2004 | Pass | | | | | |
| | 190EX / 206 | 5/11/2004 | Pass | | | | | |
| LP #201 | 201 / 202 | 5/11/2004 | Pass | | | | | |
| | 201 / 219 | 5/11/2004 | Pass | | | | | |

Answer of "NO" must be explained:

GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 5/11/2004 WEATHER CONDITIONS: Partly Cloudy 80° PROJECT NAME: Maxey Flats

TECHNICIAN: Tom Stewart/Jeff Stamper
Printed Name/Signature

Tom Stewart / Jeff W. Stamper

Checks To Be Made Prior To Testing

- Can the air pump generate and sustain a pressure of 20 psi?
- Is the air lance in good working order?
- Has the entire seam been air lance tested?

Retest

- After repair, have all the defects been successfully retested?
- Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

| YES/NO | | YES/NO |
|------------|---|------------|
| <u>Yes</u> | Has the air lance testing detected any defects? | <u>Yes</u> |
| <u>Yes</u> | Have all the defects detected been marked on the panel and recorded in the following table? | <u>Yes</u> |

Summary

| Yes/No | | Yes/No |
|------------|---------------------------------|------------|
| <u>Yes</u> | Is the seam 100% tested? | <u>Yes</u> |
| <u>Yes</u> | Have all defects been repaired? | <u>Yes</u> |

| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|-----------|---------------|-----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP #202 | 202 / 205 | 5/11/2004 | Pass | | | | | |
| | 202 / 220 | 5/11/2004 | Pass | | | | | |
| LP #203 | 203 / 206 | 5/11/2004 | Pass | | | | | |
| | 203 / 206EX | 5/11/2004 | Pass | | | | | |
| LP #205 | 205 / 206 | 5/11/2004 | Pass | | | | | |
| | 205 / 222 | 5/11/2004 | Pass | | | | | |
| LP #206 | 206 / 206EX | 5/11/2004 | Pass | ✓ | Pass | 5/24/2004 | 052404-1 | Extrusion / 5-24-04 |
| | 206 / 222EX | 5/11/2004 | Pass | | | | | |
| LP #219 | 219 / 220 | 5/11/2004 | Pass | | | | | |
| | 219 / 233 | 5/11/2004 | Pass | | | | | |
| LP #220 | 220 / 222 | 5/11/2004 | Pass | | | | | |
| | 220 / 234 | 5/11/2004 | Pass | | | | | |
| LP #222 | 222 / 222EX | 5/11/2004 | Pass | | | | | |
| | 222 / 235 | 5/11/2004 | Pass | | | | | |
| LP #222EX | 222EX / 235EX | 5/11/2004 | Pass | | | | | |
| LP #233 | 233/234 | 5/11/2004 | Pass | | | | | |
| | 233/246 | 5/11/2004 | Pass | | | | | |
| LP #234 | 234/235 | 5/11/2004 | Pass | | | | | |
| | 234/247 | 5/11/2004 | Pass | | | | | |
| LP #235 | 235/235EX | 5/11/2004 | Pass | | | | | |
| | 235/248 | 5/11/2004 | Pass | | | | | |
| LP #235EX | 235EX/248EX | 5/11/2004 | Pass | | | | | |

Answer of "NO" must be explained:

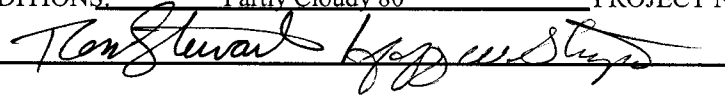
GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 5/11/2004

WEATHER CONDITIONS: Partly Cloudy 80°

PROJECT NAME: Maxey Flats

TECHNICIAN: Tom Stewart/Jeff Stamper
Printed Name/Signature



Checks To Be Made Prior To Testing

- Can the air pump generate and sustain a pressure of 20 psi?
- Is the air lance in good working order?
- Has the entire seam been air lance tested?

Retest

- After repair, have all the defects been successfully retested?
- Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

| YES/NO | | YES/NO |
|------------|---|------------|
| <u>Yes</u> | Has the air lance testing detected any defects? | <u>No</u> |
| <u>Yes</u> | Have all the defects detected been marked on the panel and recorded in the following table? | <u>N/A</u> |

Summary

| Yes/No | | Yes/No |
|------------|---------------------------------|------------|
| <u>N/A</u> | Is the seam 100% tested? | <u>Yes</u> |
| <u>N/A</u> | Have all defects been repaired? | <u>N/A</u> |

| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|------------|-------------|-----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP # 246 | 246/247 | 5/11/2004 | Pass | | | | | |
| | 246/262 | 5/11/2004 | Pass | | | | | |
| LP # 247 | 247/248 | 5/11/2004 | Pass | | | | | |
| | 247/263 | 5/11/2004 | Pass | | | | | |
| LP # 248 | 248/248EX | 5/11/2004 | Pass | | | | | |
| | 248/249 | 5/11/2004 | Pass | | | | | |
| LP # 249 | 249/249EX | 5/11/2004 | Pass | | | | | |
| | 249/263 | 5/11/2004 | Pass | | | | | |
| | 249/264 | 5/11/2004 | Pass | | | | | |
| LP # 249EX | 249EX/264EX | 5/11/2004 | Pass | | | | | |
| LP # 262 | 262/263 | 5/11/2004 | Pass | | | | | |
| | 262/270 | 5/11/2004 | Pass | | | | | |
| LP # 263 | 263/271 | 5/11/2004 | Pass | | | | | |
| LP # 264 | 264/271 | 5/11/2004 | Pass | | | | | |
| | 264/272 | 5/11/2004 | Pass | | | | | |
| | 264/264EX | 5/11/2004 | Pass | | | | | |
| LP # 270 | 270/271 | 5/11/2004 | Pass | | | | | |
| | 270/279 | 5/11/2004 | Pass | | | | | |
| LP # 271 | 271/280 | 5/11/2004 | Pass | | | | | |
| LP # 272 | 272/273 | 5/11/2004 | Pass | | | | | |
| | 272/280 | 5/11/2004 | Pass | | | | | |
| LP # 273 | 273/281 | 5/11/2004 | Pass | | | | | |
| | 273/288 | 5/11/2004 | Pass | | | | | |

Answer of "NO" must be explained:

GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 5/11/2004 WEATHER CONDITIONS: Partly Cloudy 80° PROJECT NAME: Maxey Flats

TECHNICIAN: Tom Stewart/Jeff Stamper
Printed Name/Signature

Tom Stewart *Jeff Stamper*

Checks To Be Made Prior To Testing

- Can the air pump generate and sustain a pressure of 20 psi?
- Is the air lance in good working order?
- Has the entire seam been air lance tested?

Retest

- After repair, have all the defects been successfully retested?
- Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

| YES/NO | | YES/NO |
|--------|---|--------|
| Yes | Has the air lance testing detected any defects? | No |
| Yes | Have all the defects detected been marked on the panel and recorded in the following table? | N/A |

Summary

| Yes/No | | Yes/No |
|--------|---------------------------------|--------|
| N/A | Is the seam 100% tested? | Yes |
| N/A | Have all defects been repaired? | N/A |

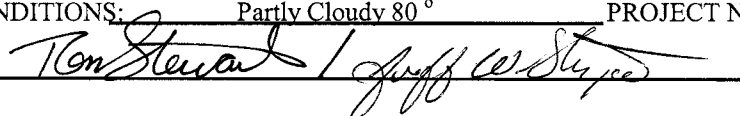
| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|----------|-------------|-----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP # 279 | 279/280 | 5/11/2004 | Pass | | | | | |
| | 279/287 | 5/11/2004 | Pass | | | | | |
| LP # 280 | 280/288 | 5/11/2004 | Pass | | | | | |
| | 281/289 | 5/11/2004 | Pass | | | | | |
| LP # 281 | 281/297 | 5/11/2004 | Pass | | | | | |
| | 287/288 | 5/11/2004 | Pass | | | | | |
| LP # 287 | 287/295 | 5/11/2004 | Pass | | | | | |
| | 288/297 | 5/11/2004 | Pass | | | | | |
| LP # 288 | 289/296 | 5/11/2004 | Pass | | | | | |
| | 289/289EX | 5/11/2004 | Pass | | | | | |
| LP # 289 | 289/304 | 5/11/2004 | Pass | | | | | |
| | 289/297 | 5/11/2004 | Pass | | | | | |
| LP # 295 | 289EX/296EX | 5/11/2004 | Pass | | | | | |
| | 295/297 | 5/11/2004 | Pass | | | | | |
| LP # 296 | 295/303 | 5/11/2004 | Pass | | | | | |
| | 296/304 | 5/11/2004 | Pass | | | | | |
| LP # 297 | 296/311 | 5/11/2004 | Pass | | | | | |
| | 296/312 | 5/11/2004 | Pass | | | | | |
| LP # 303 | 296/296EX | 5/11/2004 | Pass | | | | | |
| | 297/304 | 5/11/2004 | Pass | | | | | |
| LP # 303 | 303/304 | 5/11/2004 | Pass | | | | | |
| | 303/310 | 5/11/2004 | Pass | | | | | |

Answer of "NO" must be explained:

GEOMEMBRANE FIELD SEAM TESTING (AIR LANCE TEST)

DATE: 5/11/2004 WEATHER CONDITIONS: Partly Cloudy 80° PROJECT NAME: Maxey Flats

TECHNICIAN: Tom Stewart/Jeff Stamper
Printed Name/Signature



Checks To Be Made Prior To Testing

- Can the air pump generate and sustain a pressure of 20 psi?
- Is the air lance in good working order?
- Has the entire seam been air lance tested?

Retest

- After repair, have all the defects been successfully retested?
- Has the Inspector recorded all defects in the following table?

Checks To Be Made During Testing

| YES/NO | | YES/NO |
|------------|---|------------|
| <u>Yes</u> | Has the air lance testing detected any defects? | <u>No</u> |
| <u>Yes</u> | Have all the defects detected been marked on the panel and recorded in the following table? | <u>N/A</u> |

Summary

| Yes/No | | Yes/No |
|------------|---------------------------------|------------|
| <u>N/A</u> | Is the seam 100% tested? | <u>Yes</u> |
| <u>N/A</u> | Have all defects been repaired? | <u>N/A</u> |

| PANEL# | Seam # | DATE | Pass/Fail | Retest | Pass/Fail | Retest Date | Defect ID | Type of Repair / Date |
|----------|----------|-----------|-----------|--------|-----------|-------------|-----------|-----------------------|
| LP #304 | 304/312 | 5/11/2004 | Pass | | | | | |
| | 304/310 | 5/11/2004 | Pass | | | | | |
| LP #310 | 310/312 | 5/11/2004 | Pass | | | | | |
| | 310/329 | 5/11/2004 | Pass | | | | | |
| LP #311 | 311/312 | 5/11/2004 | Pass | | | | | |
| | 311/331 | 5/11/2004 | Pass | | | | | |
| LP #312 | 312/329 | 5/11/2004 | Pass | | | | | |
| | 312/331 | 5/11/2004 | Pass | | | | | |
| | 312/330 | 5/11/2004 | Pass | | | | | |
| LP #329 | 329/347 | 5/11/2004 | Pass | | | | | |
| | 329/330 | 5/11/2004 | Pass | | | | | |
| LP #330 | 330/347 | 5/11/2004 | Pass | | | | | |
| | 330/331 | 5/11/2004 | Pass | | | | | |
| | 330/349 | 5/11/2004 | Pass | | | | | |
| LP #346 | 346/348 | 5/11/2004 | Pass | | | | | |
| | 346/349 | 5/11/2004 | Pass | | | | | |
| | 346/348B | 5/11/2004 | Pass | | | | | |
| | 346/350 | 5/11/2004 | Pass | | | | | |
| LP #346B | 348B/349 | 5/11/2004 | Pass | | | | | |
| LP #347 | 347/348B | 5/11/2004 | Pass | | | | | |

Answer of "NO" must be explained:

ANNUAL REPORT
Maxey Flats Disposal Site
2004

APPENDIX I

MAXEY FLATS DISPOSAL SITE
TRENCH LEACHATE MANAGEMENT
2004

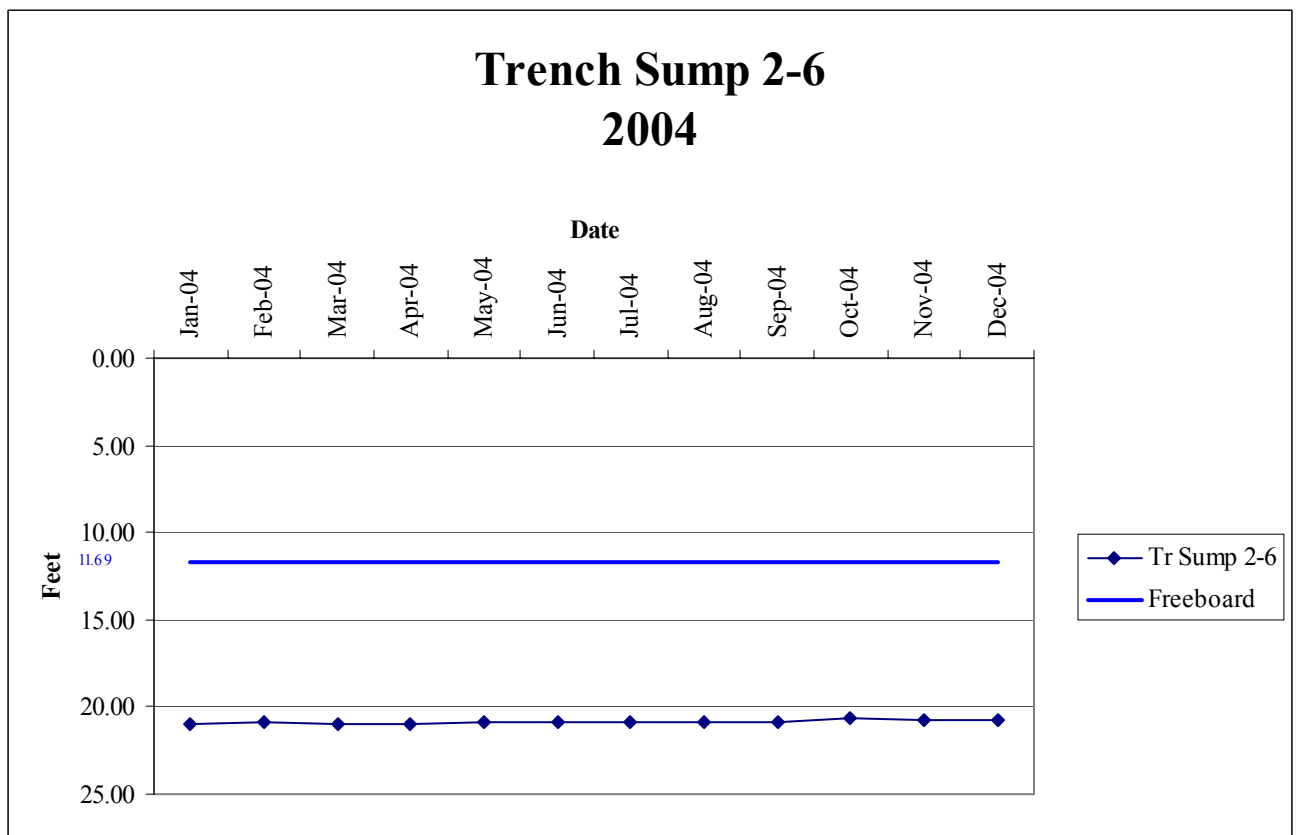
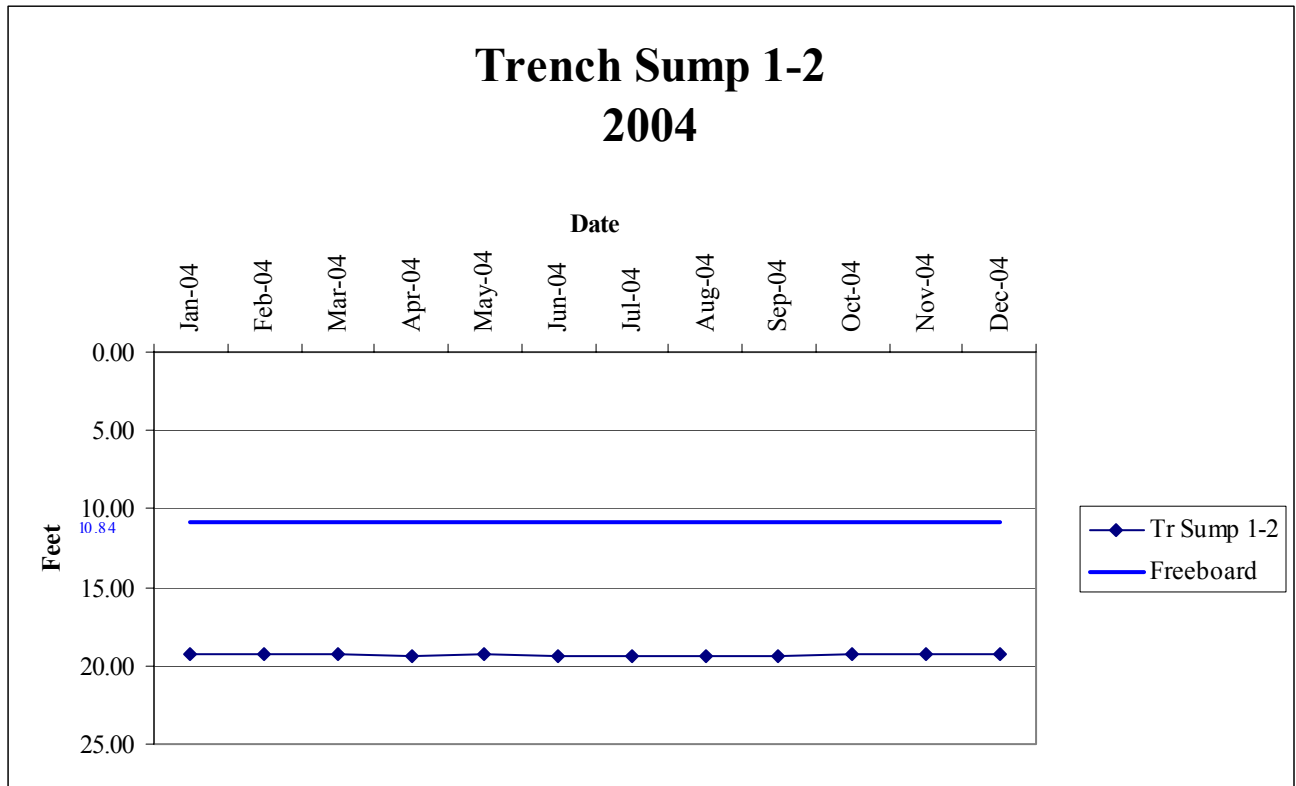
ANNUAL REPORT
Maxey Flats Disposal Site
2004

APPENDIX I1

MAXEY FLATS DISPOSAL SITE
TRENCH SUMP LIQUID LEVEL CHARTS
2004

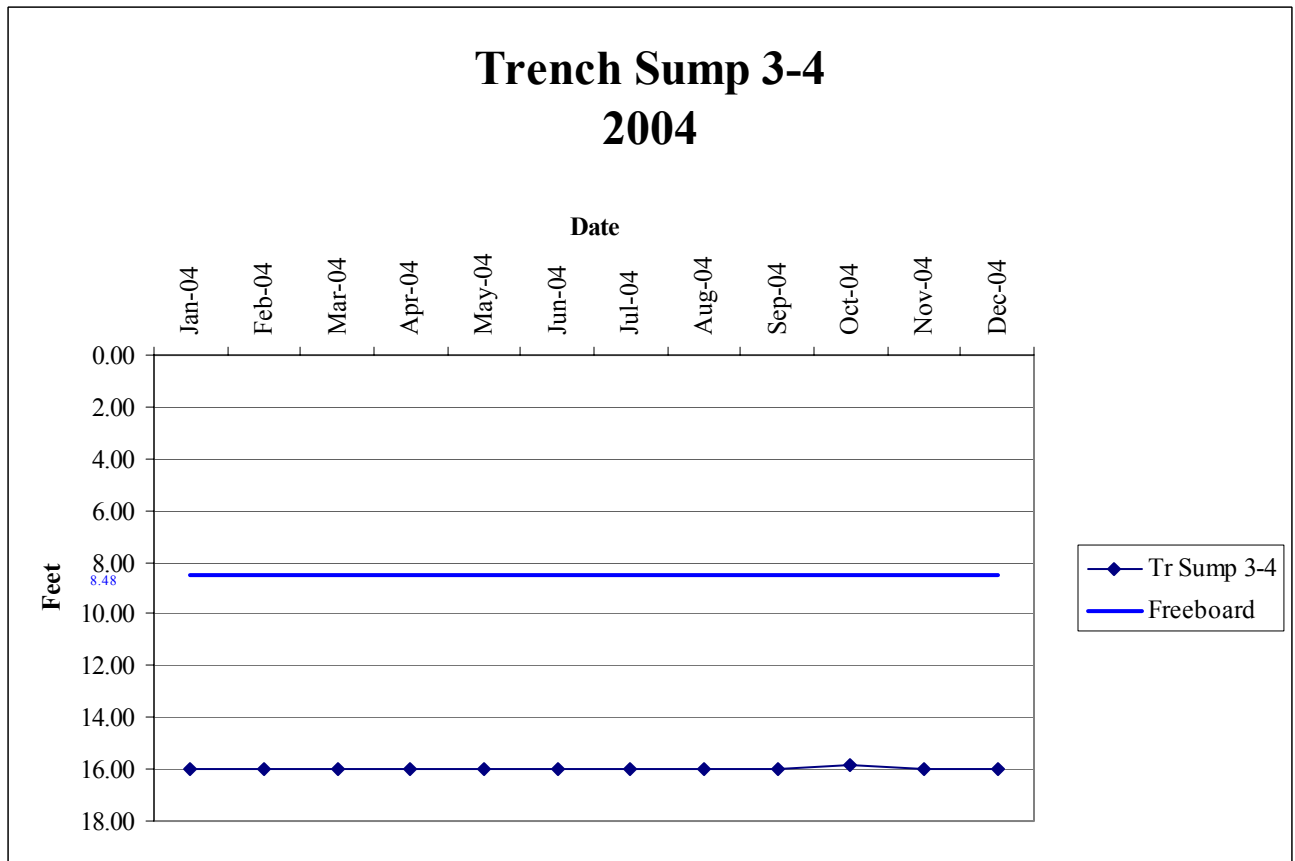
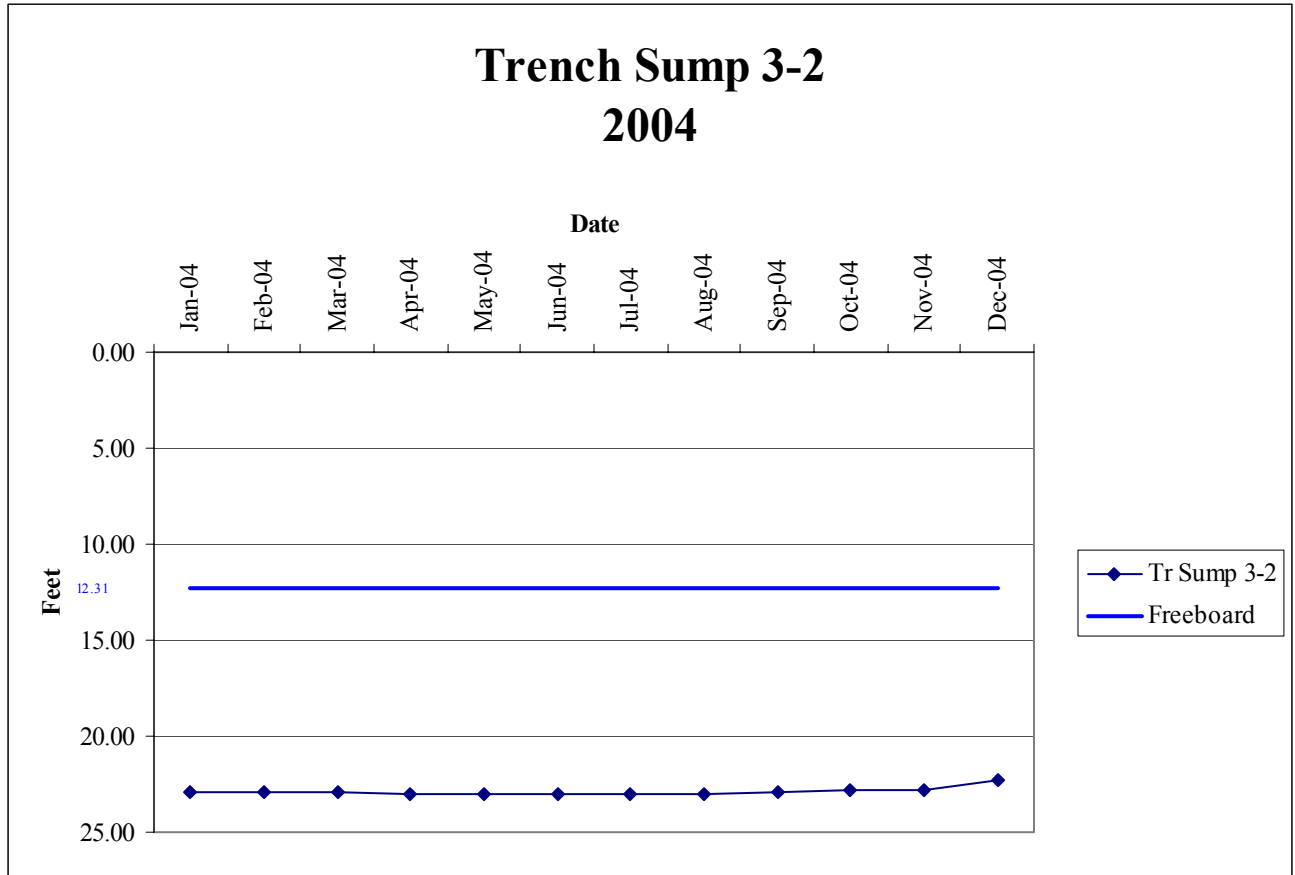
ANNUAL REPORT
 Maxey Flats Disposal Site
 2004

TRENCH SUMP LIQUID LEVEL CHARTS



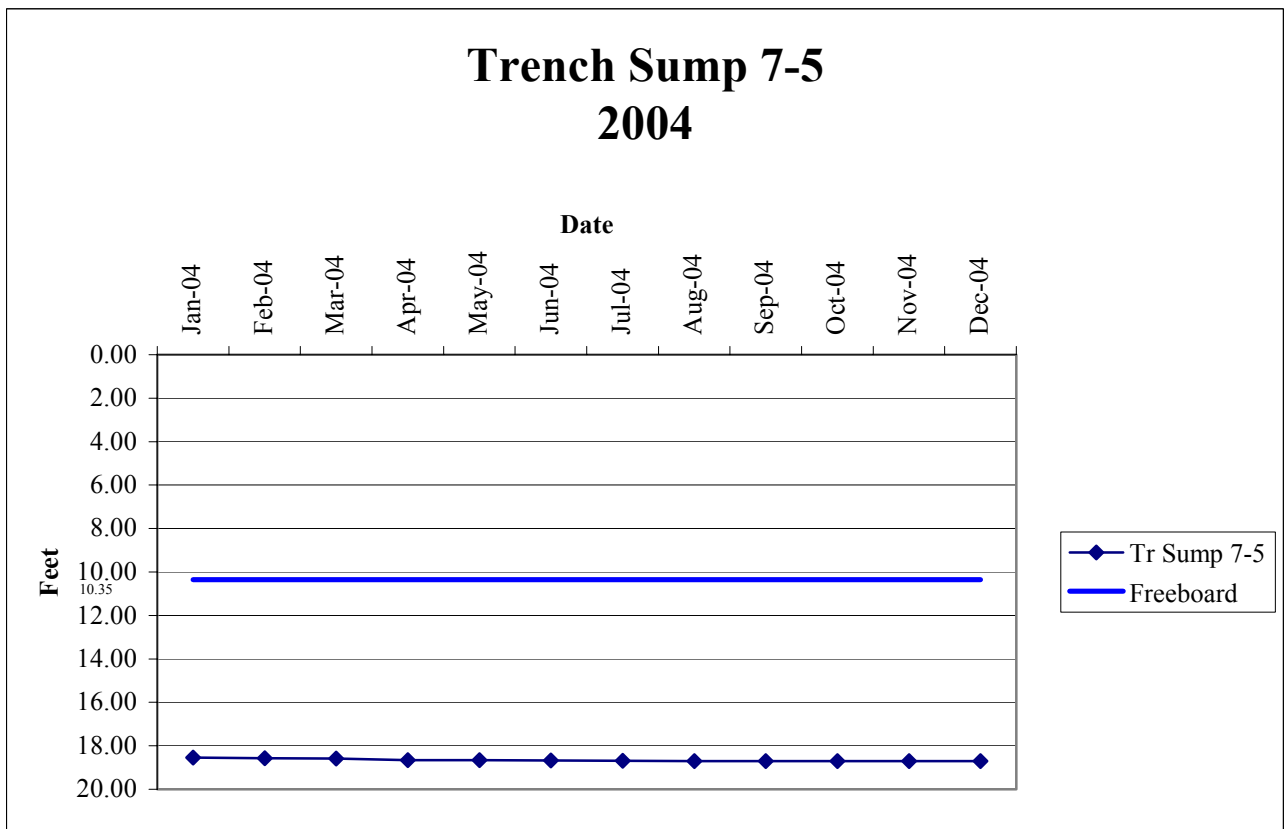
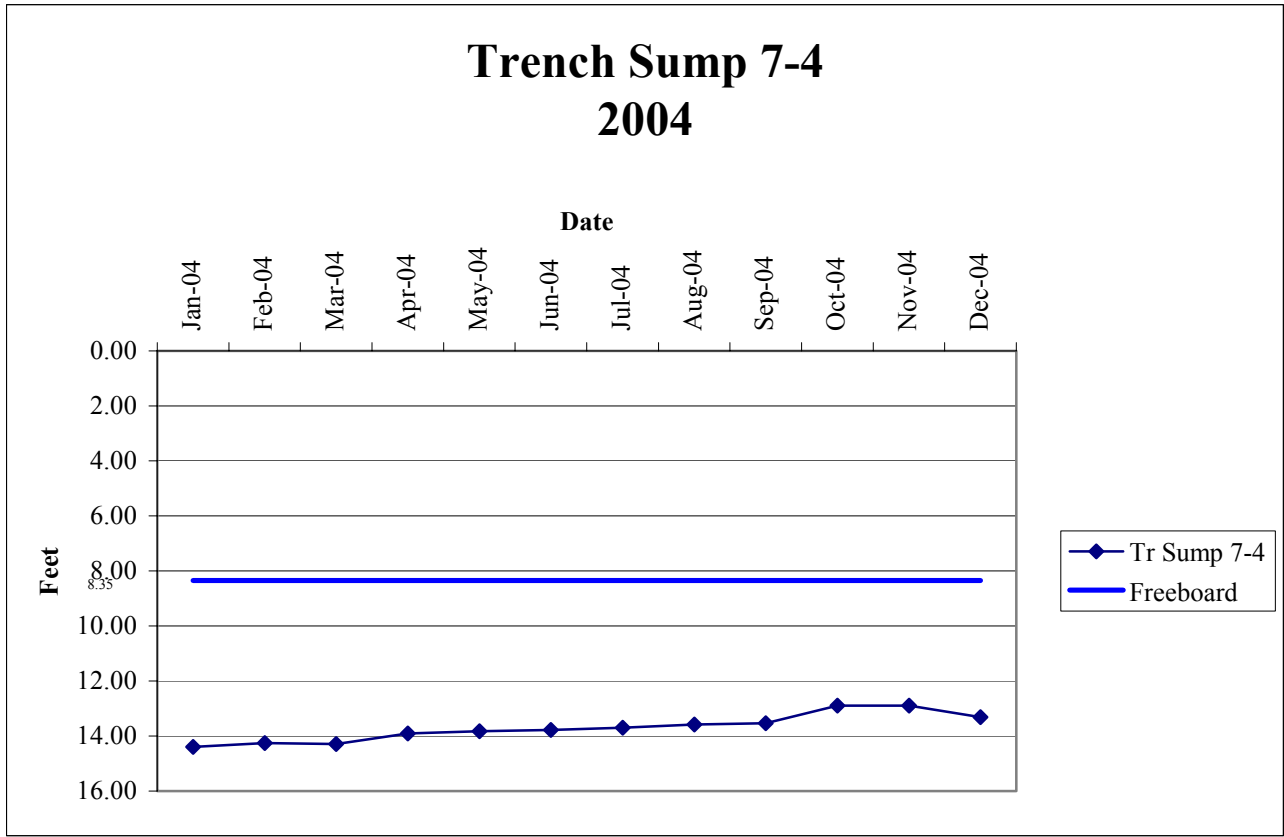
ANNUAL REPORT
 Maxey Flats Disposal Site
 2004

TRENCH SUMP LIQUID LEVEL CHARTS



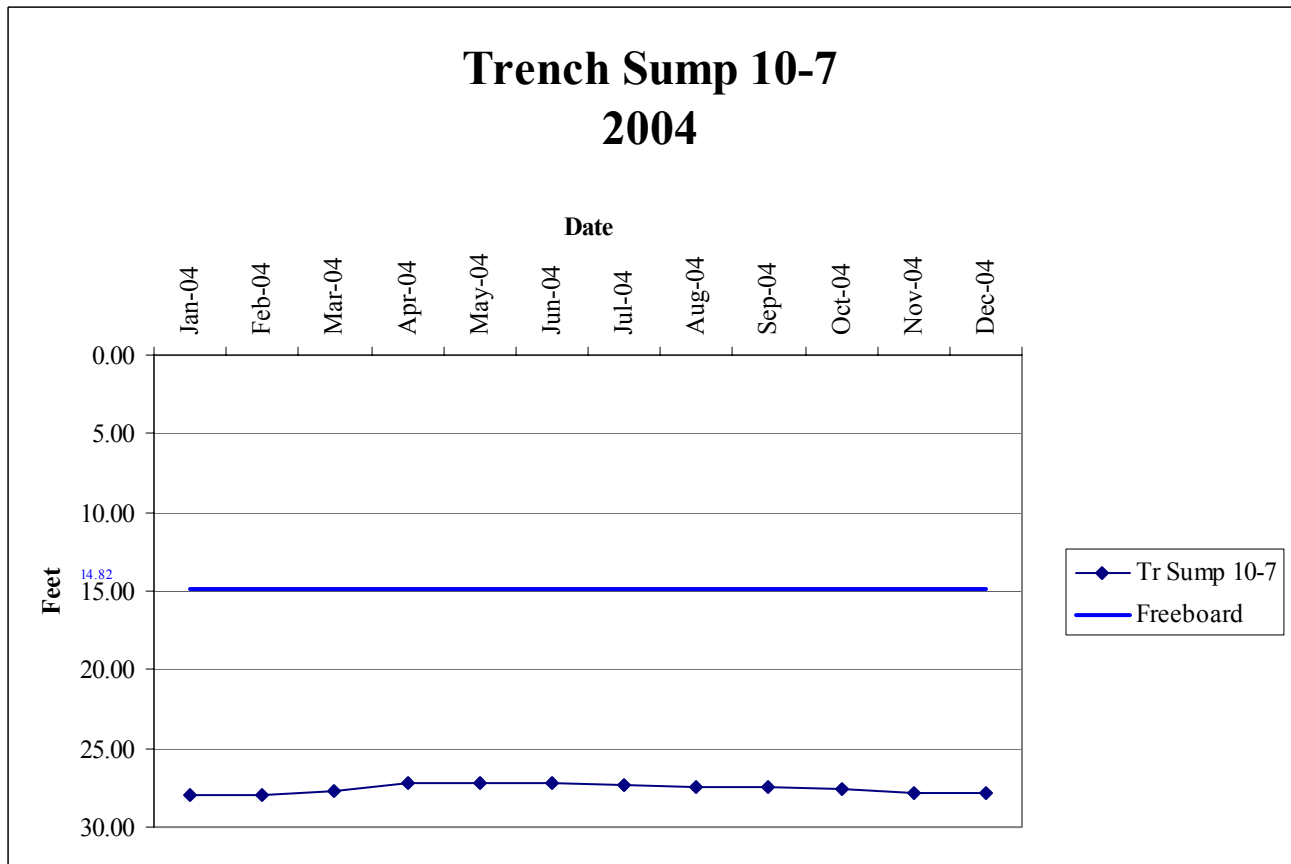
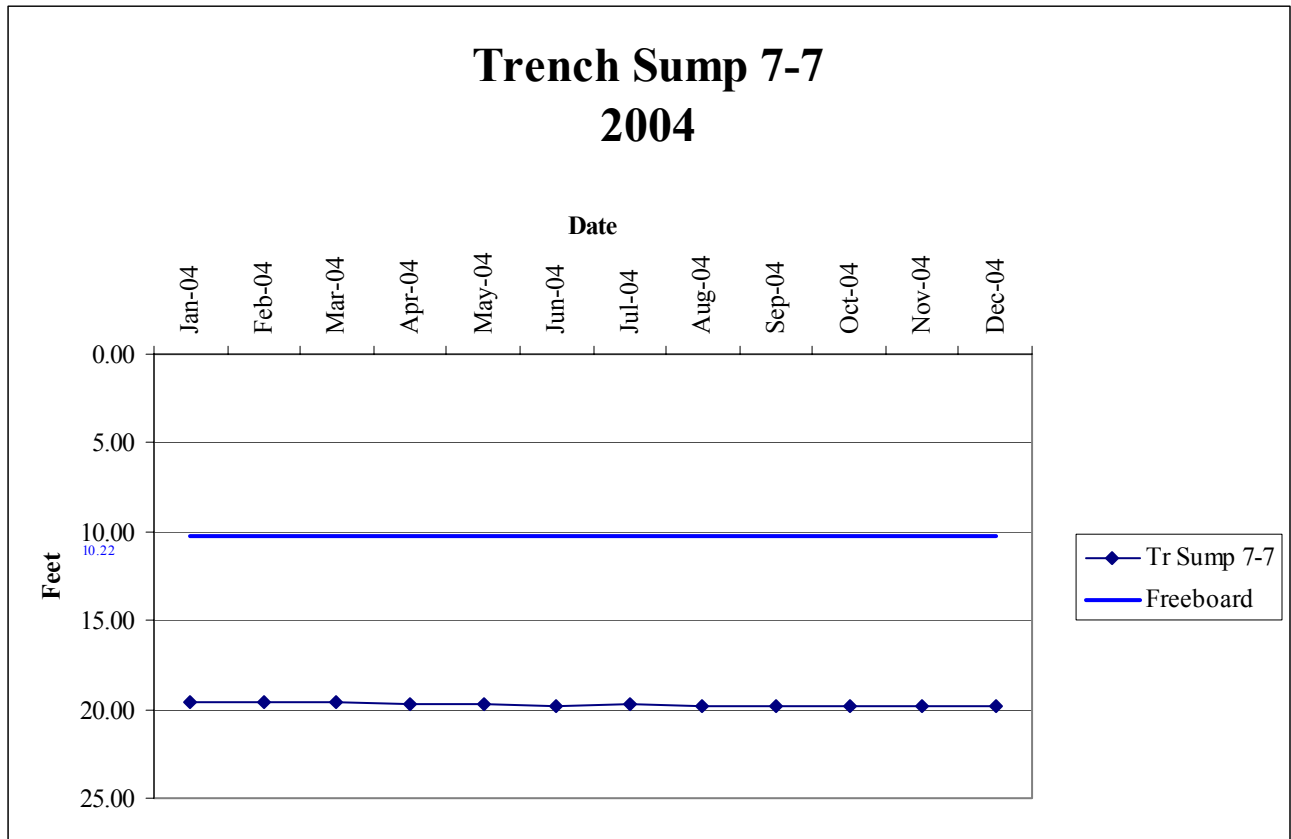
ANNUAL REPORT
 Maxey Flats Disposal Site
 2004

TRENCH SUMP LIQUID LEVEL CHARTS



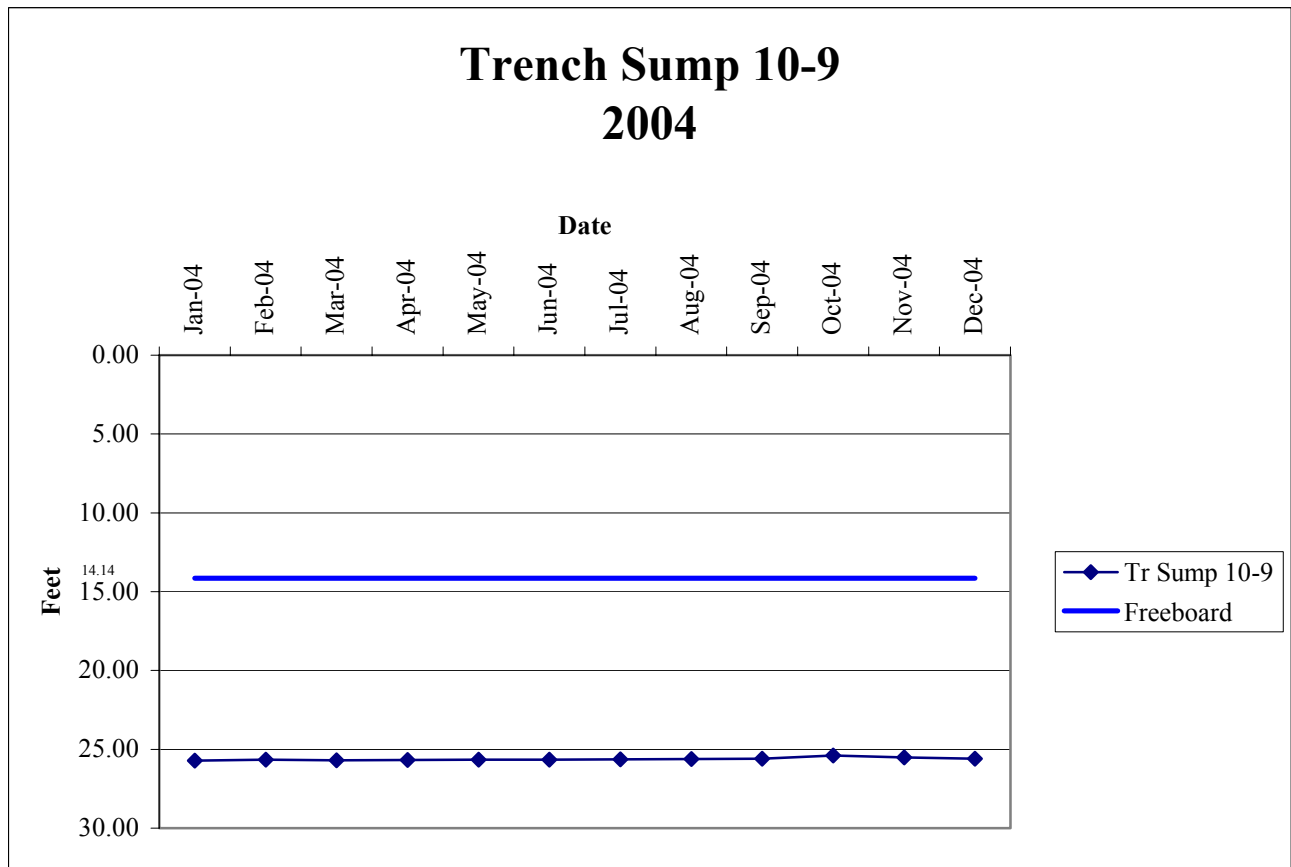
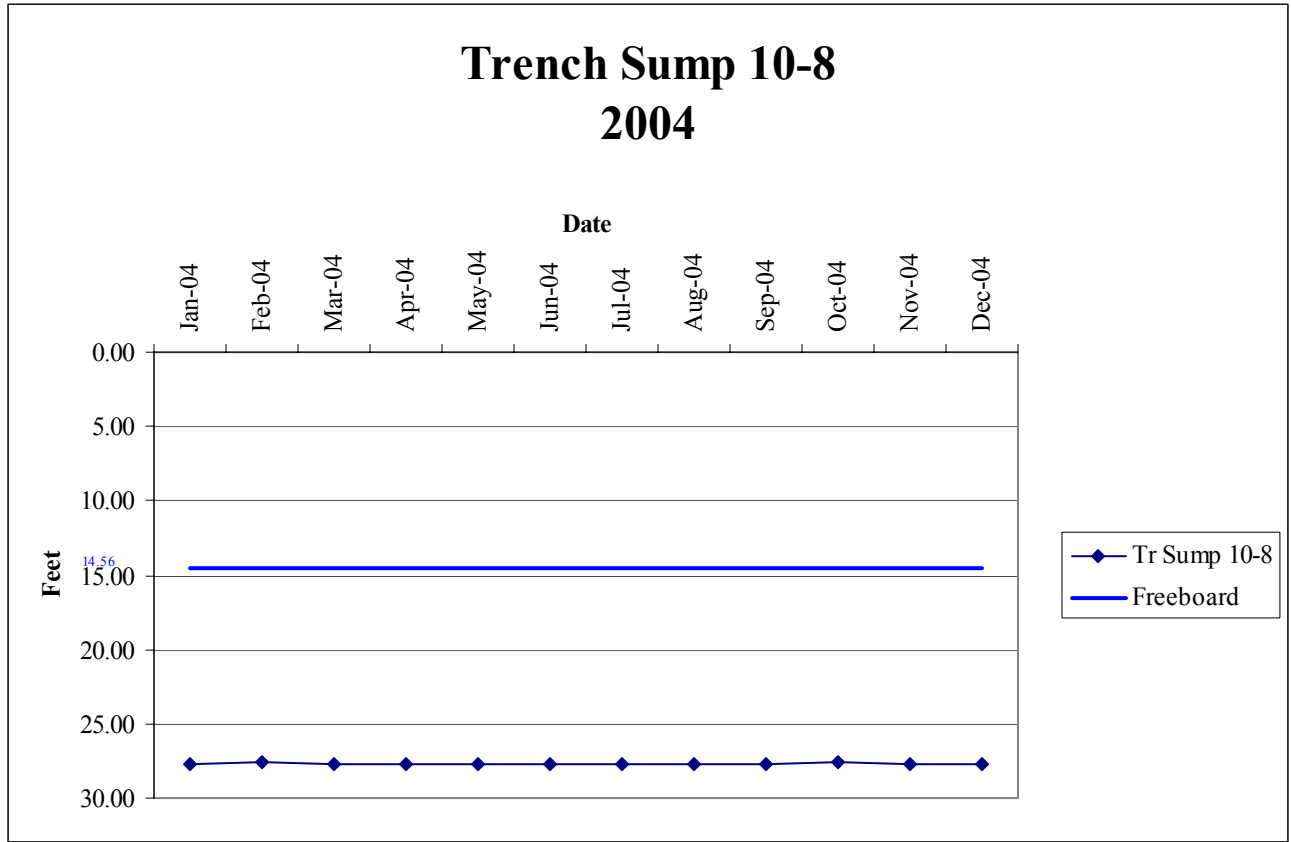
ANNUAL REPORT
 Maxey Flats Disposal Site
 2004

TRENCH SUMP LIQUID LEVEL CHARTS



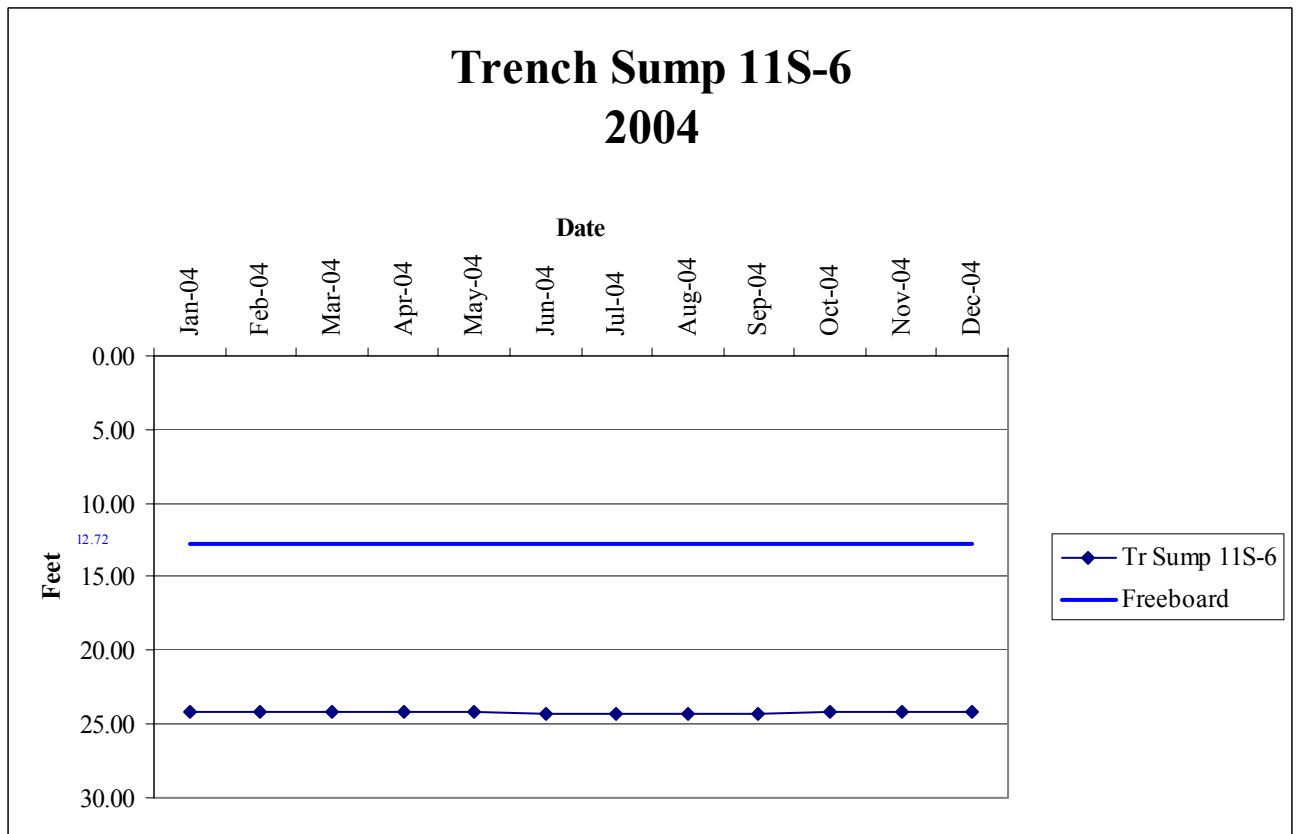
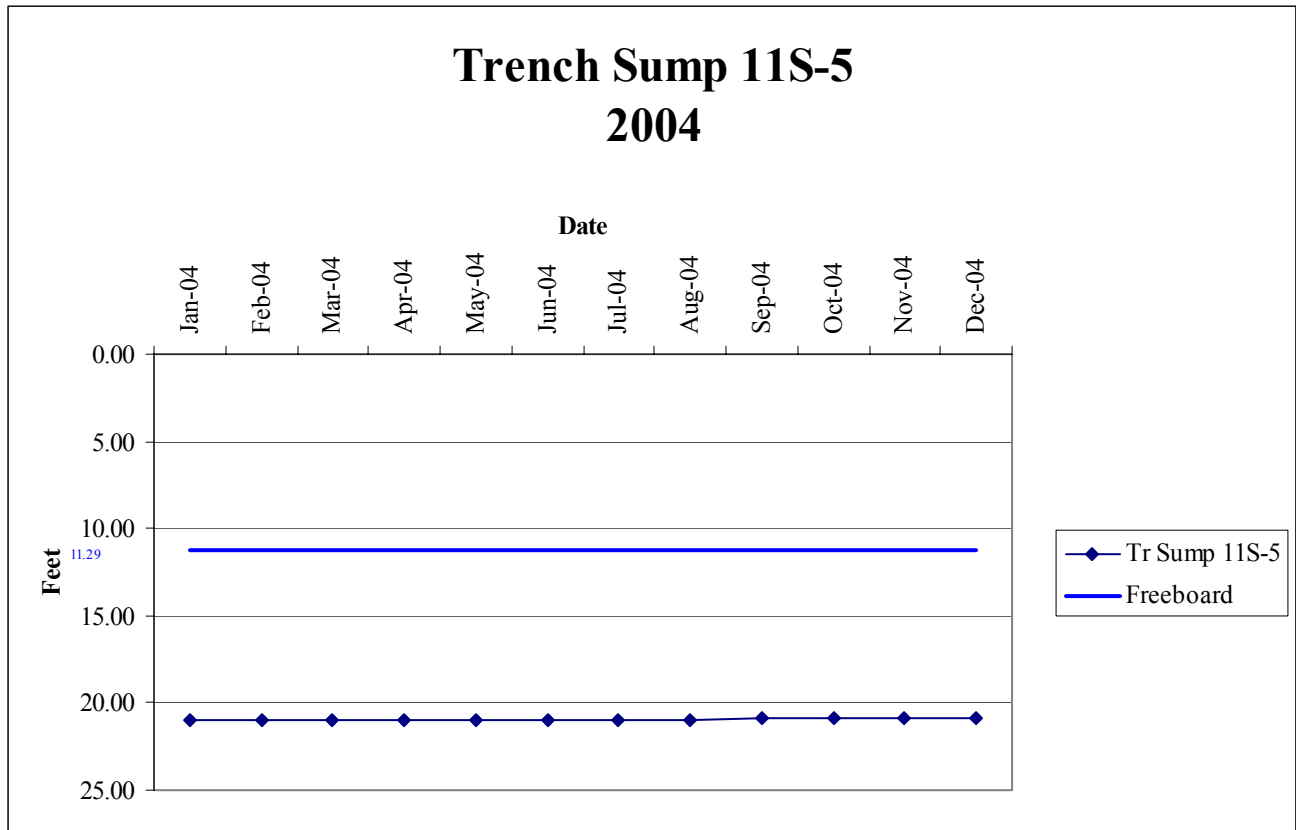
ANNUAL REPORT
Maxey Flats Disposal Site
2004

TRENCH SUMP LIQUID LEVEL CHARTS



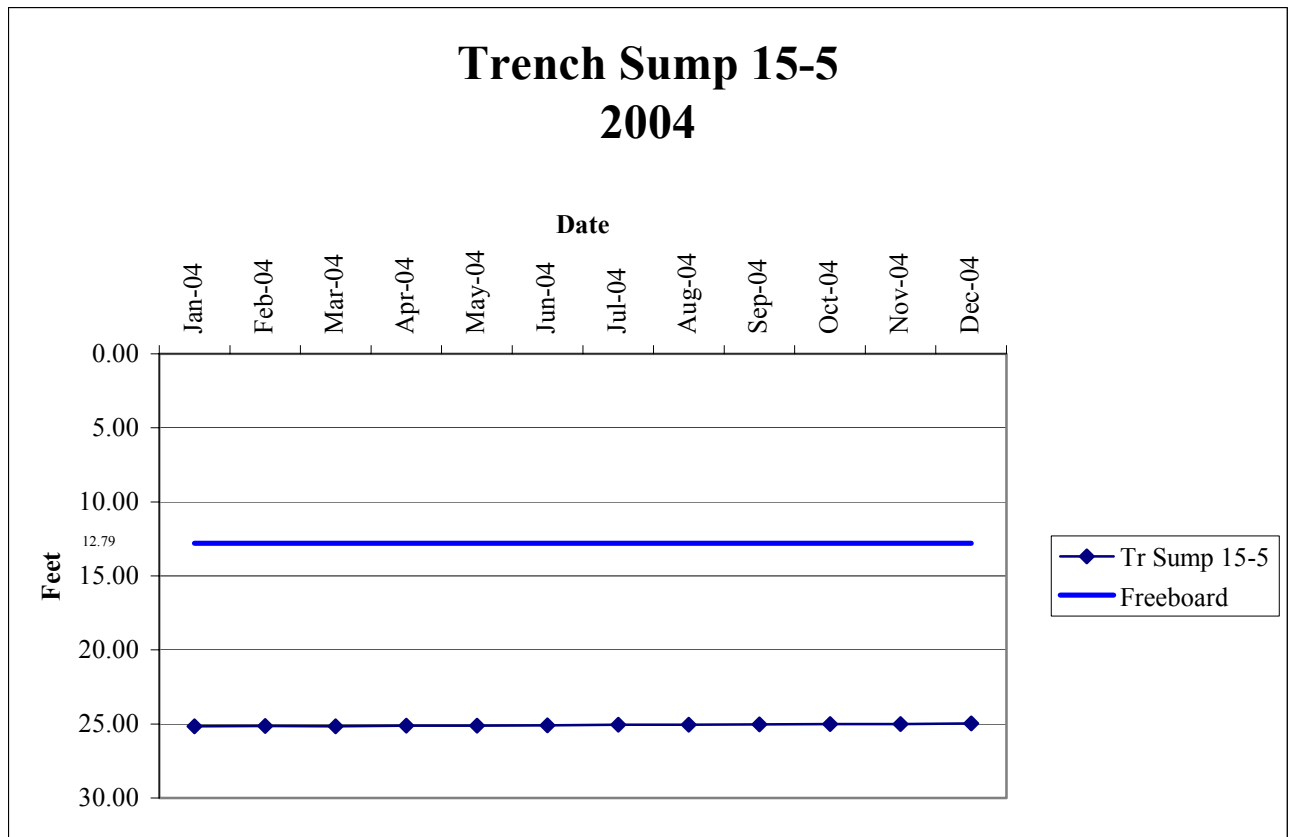
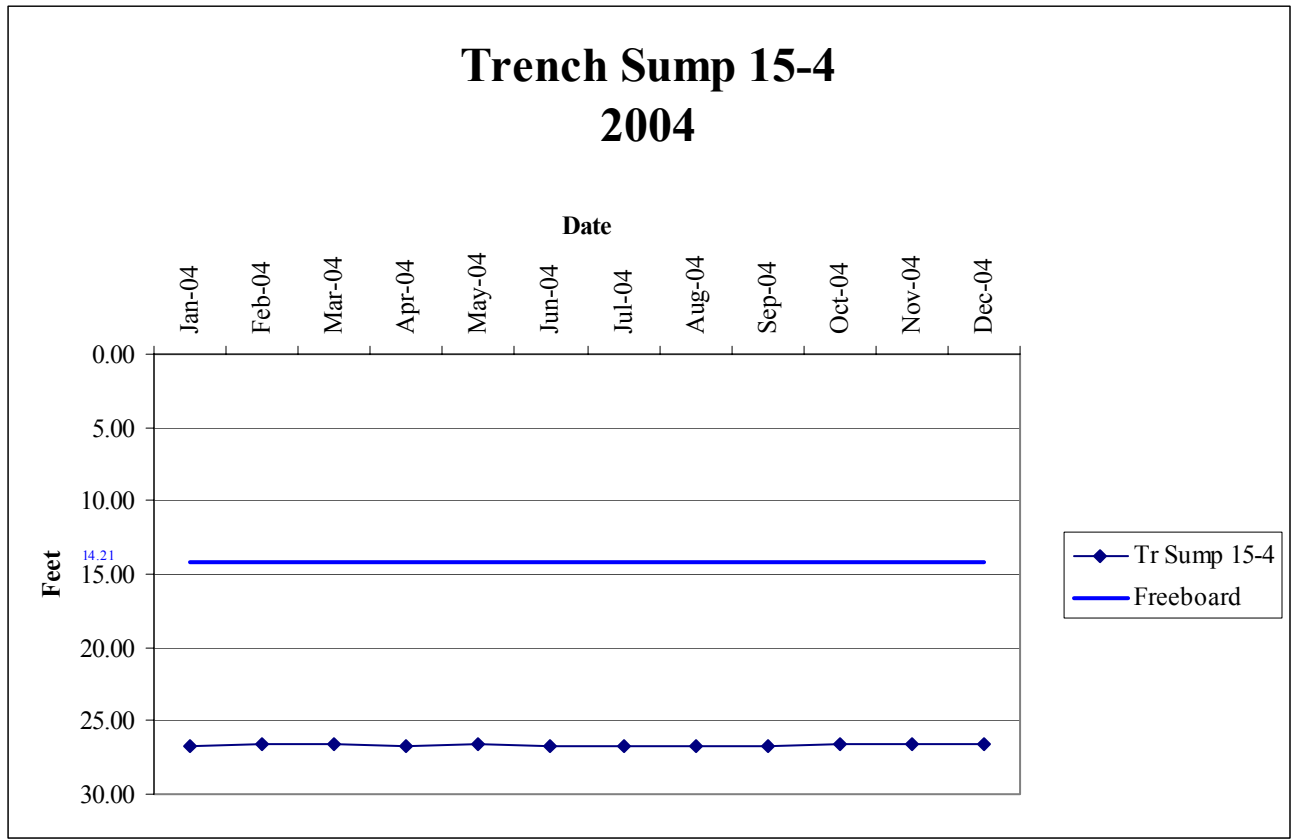
ANNUAL REPORT
Maxey Flats Disposal Site
2004

TRENCH SUMP LIQUID LEVEL CHARTS



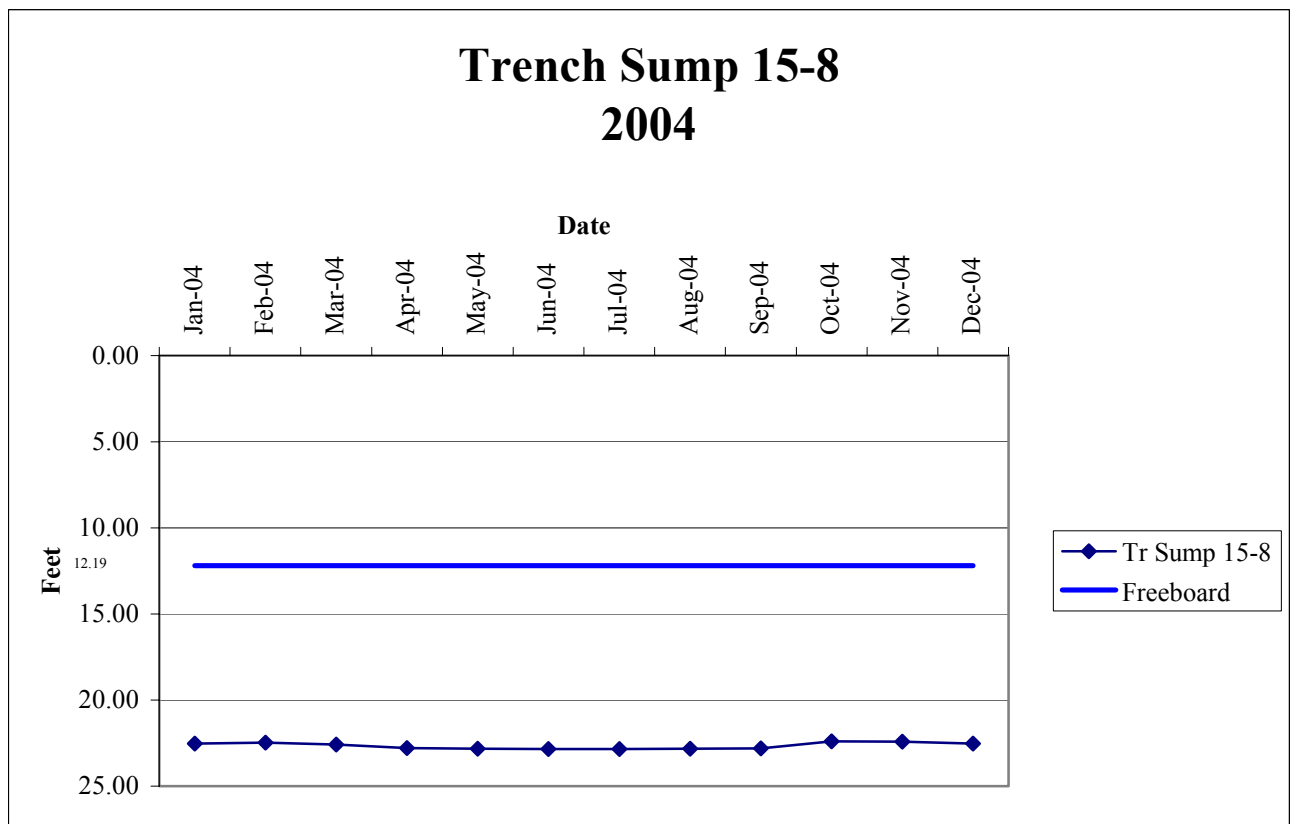
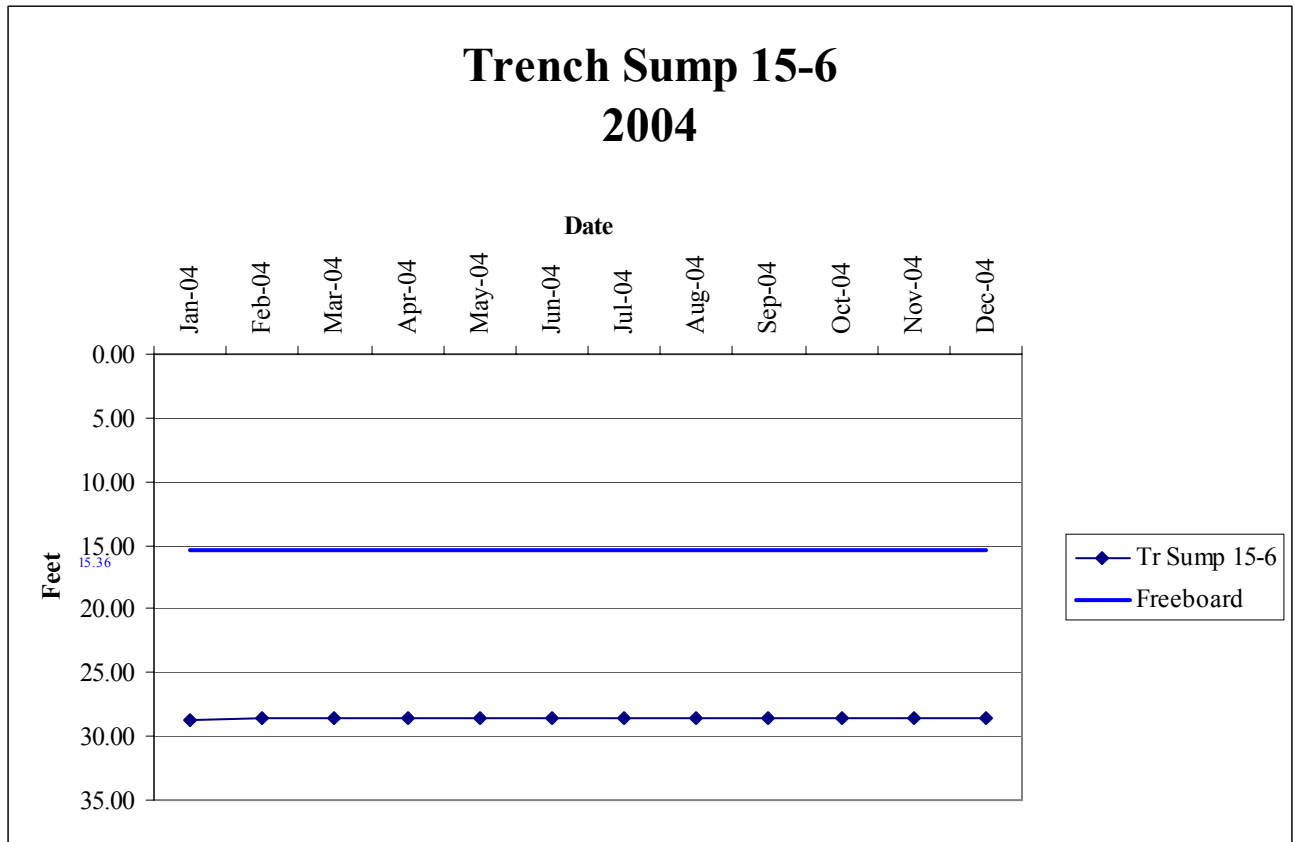
ANNUAL REPORT
Maxey Flats Disposal Site
2004

TRENCH SUMP LIQUID LEVEL CHARTS



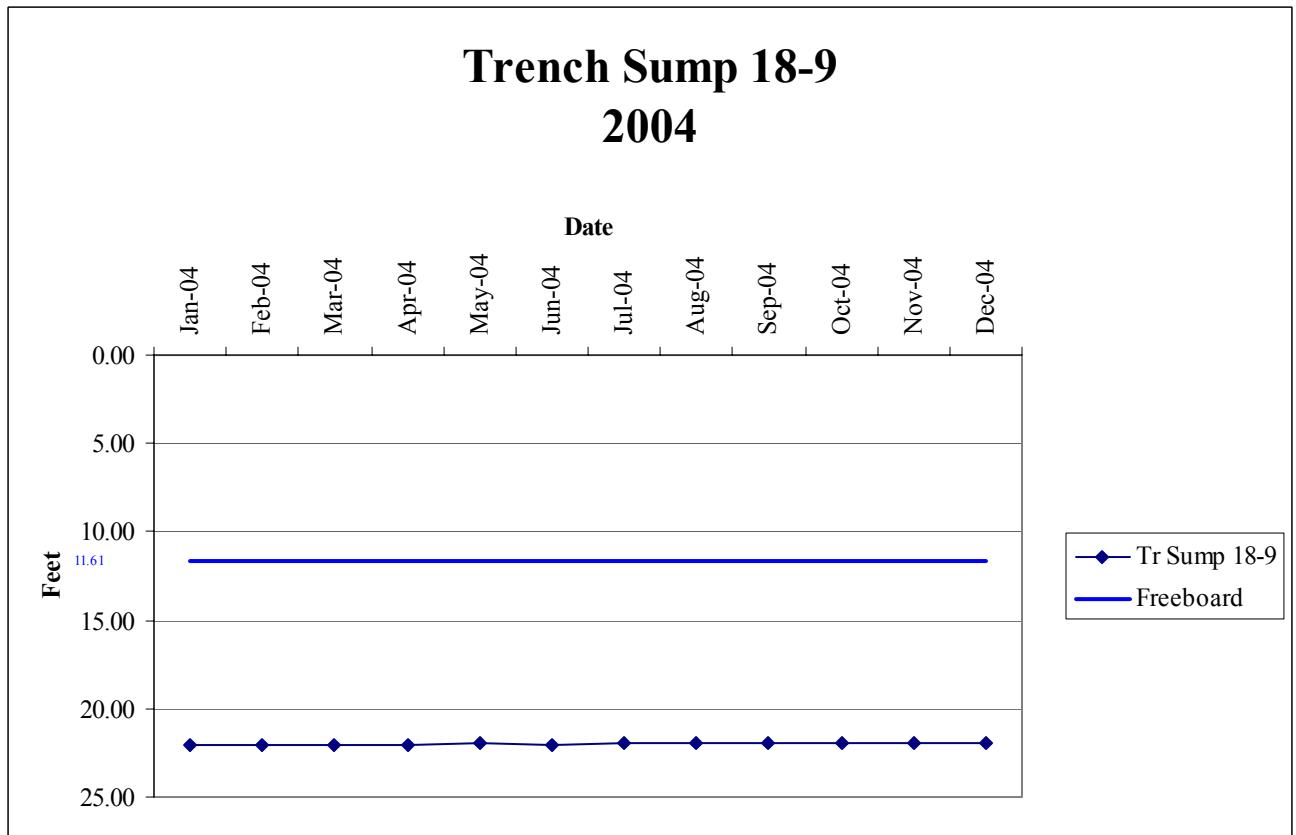
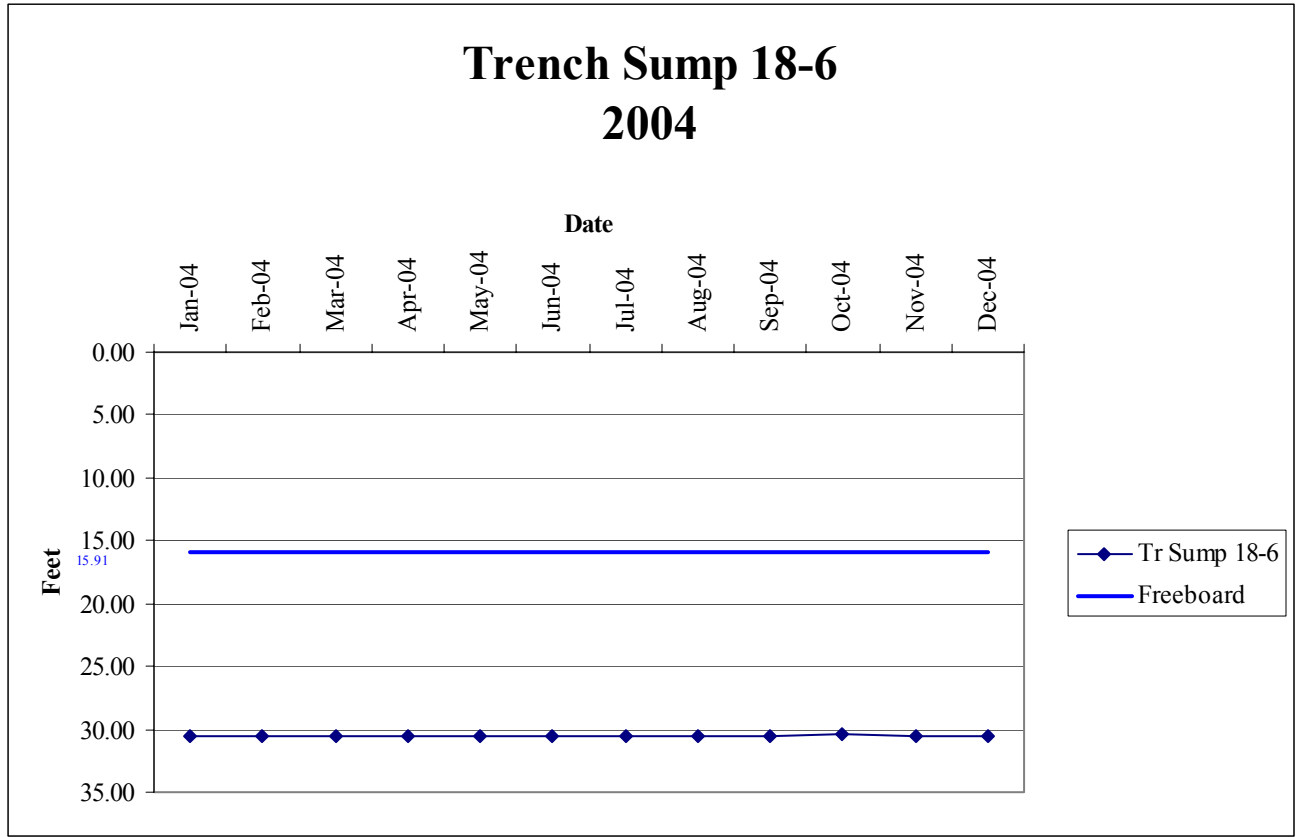
ANNUAL REPORT
 Maxey Flats Disposal Site
 2004

TRENCH SUMP LIQUID LEVEL CHARTS



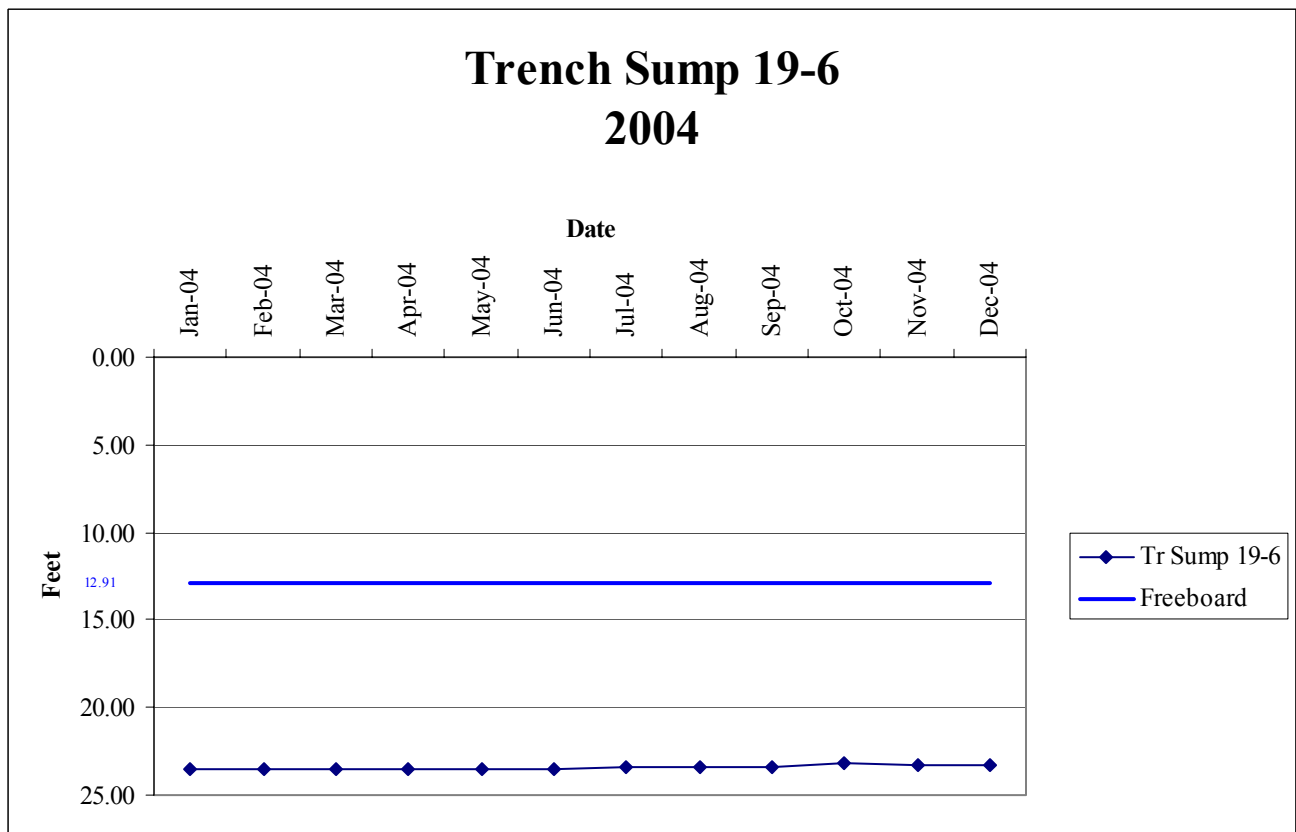
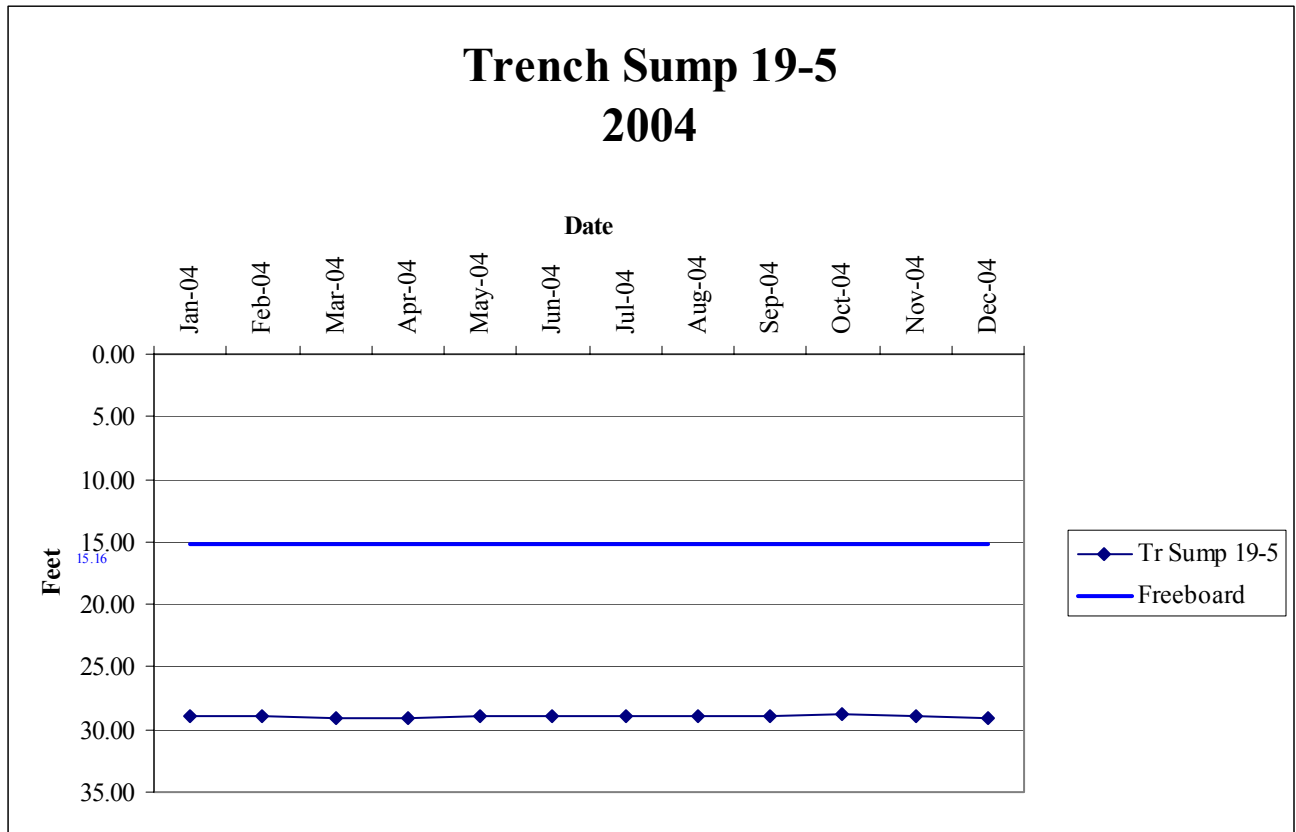
ANNUAL REPORT
Maxey Flats Disposal Site
2004

TRENCH SUMP LIQUID LEVEL CHARTS



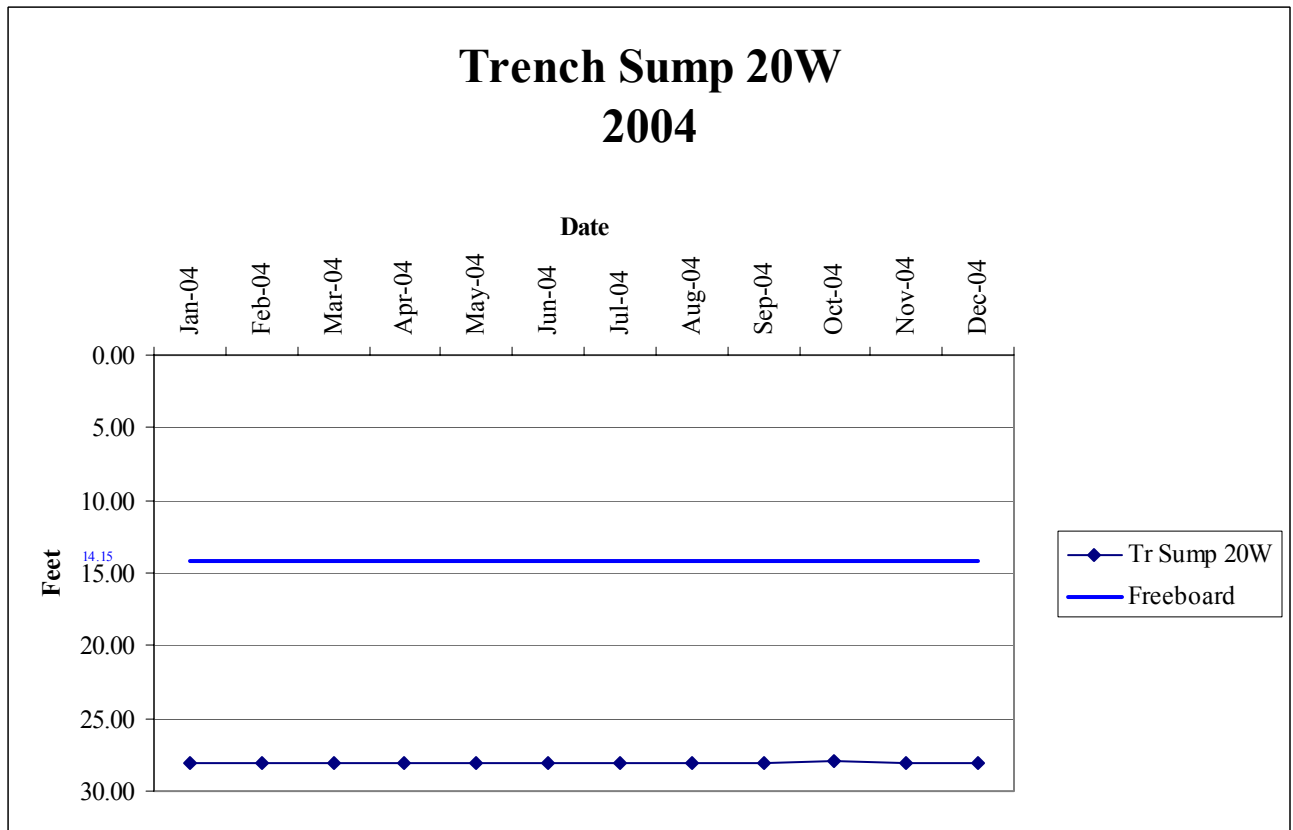
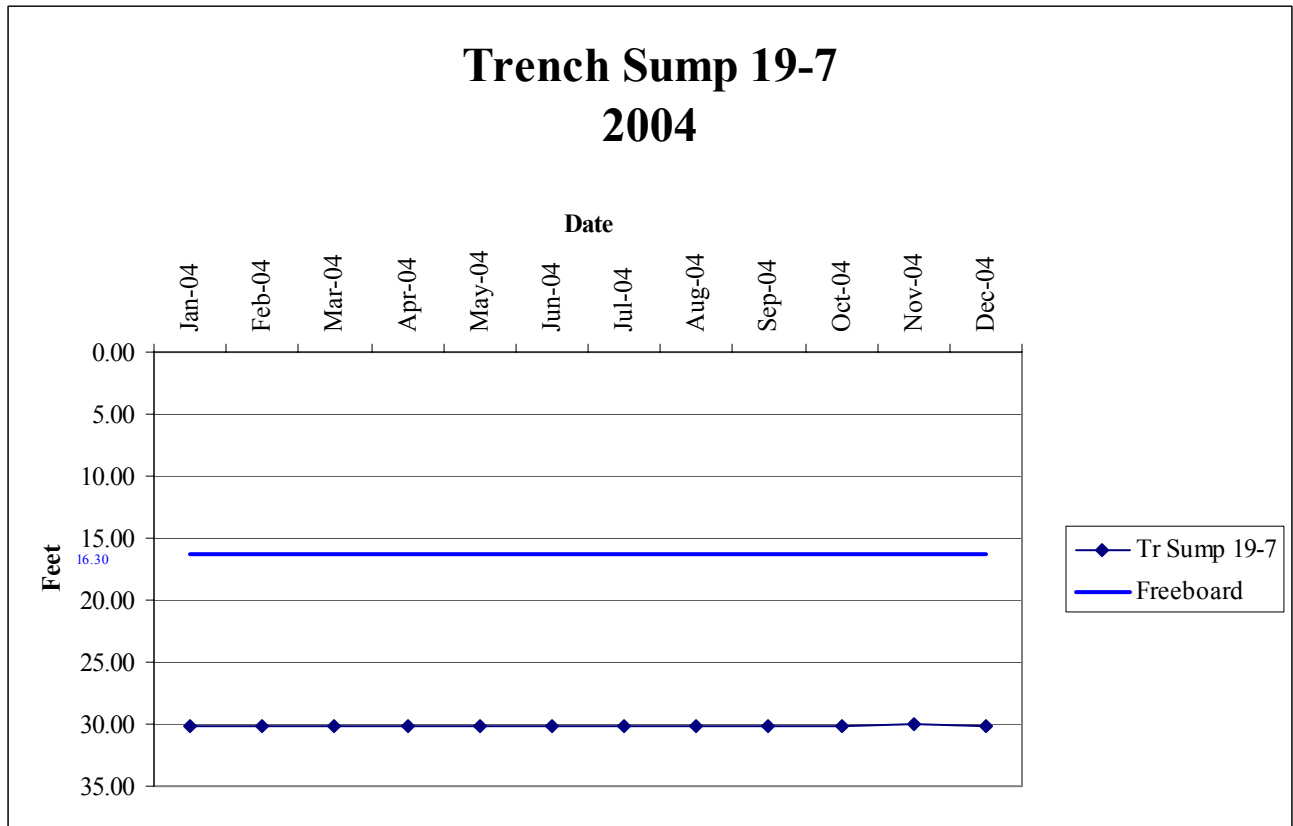
ANNUAL REPORT
Maxey Flats Disposal Site
2004

TRENCH SUMP LIQUID LEVEL CHARTS



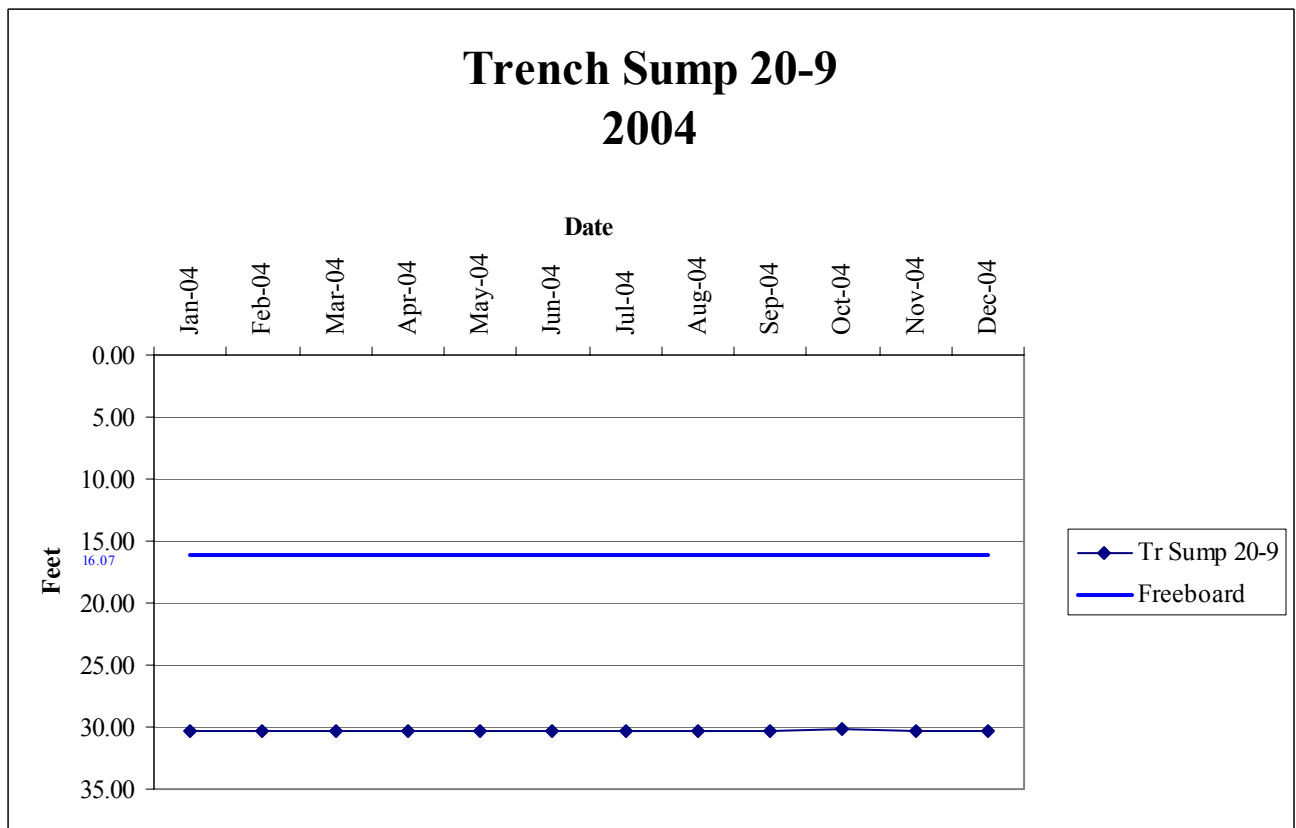
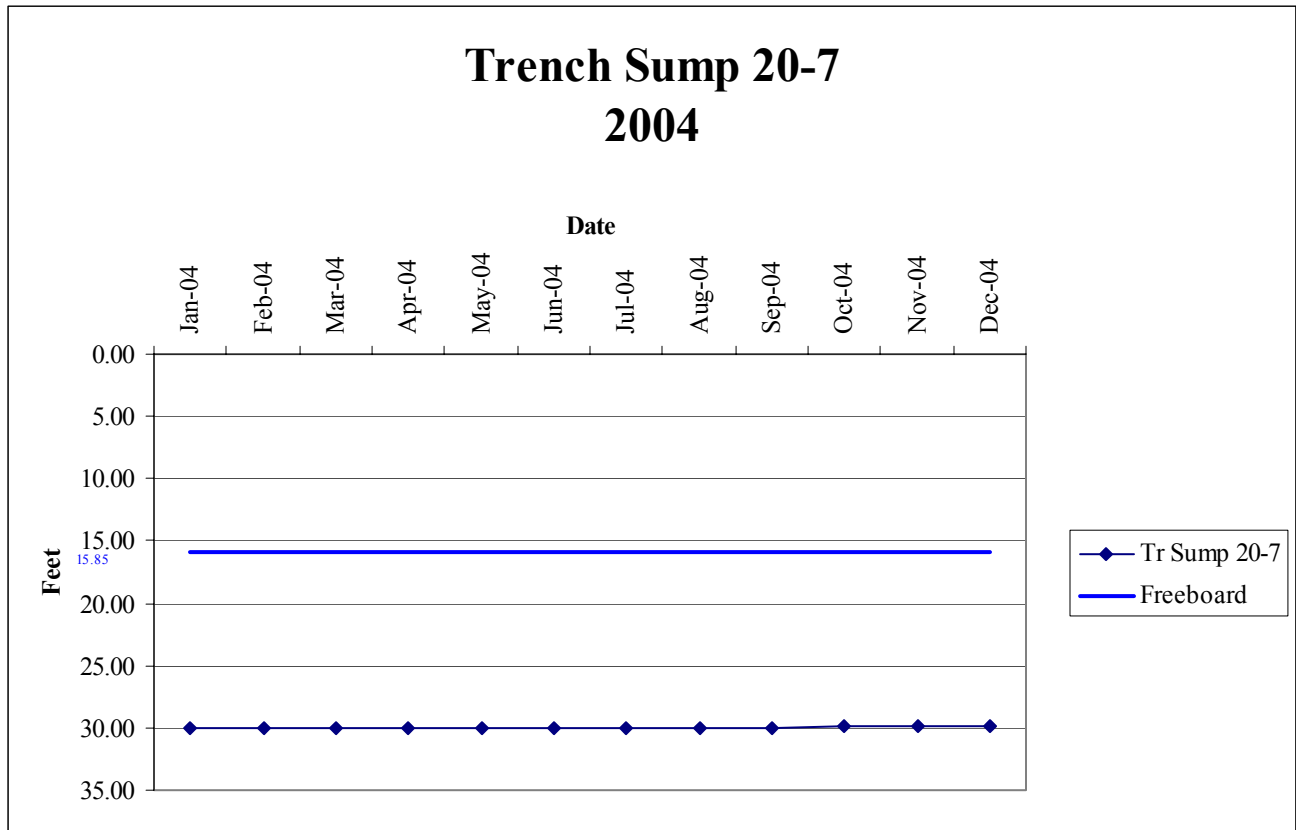
ANNUAL REPORT
Maxey Flats Disposal Site
2004

TRENCH SUMP LIQUID LEVEL CHARTS



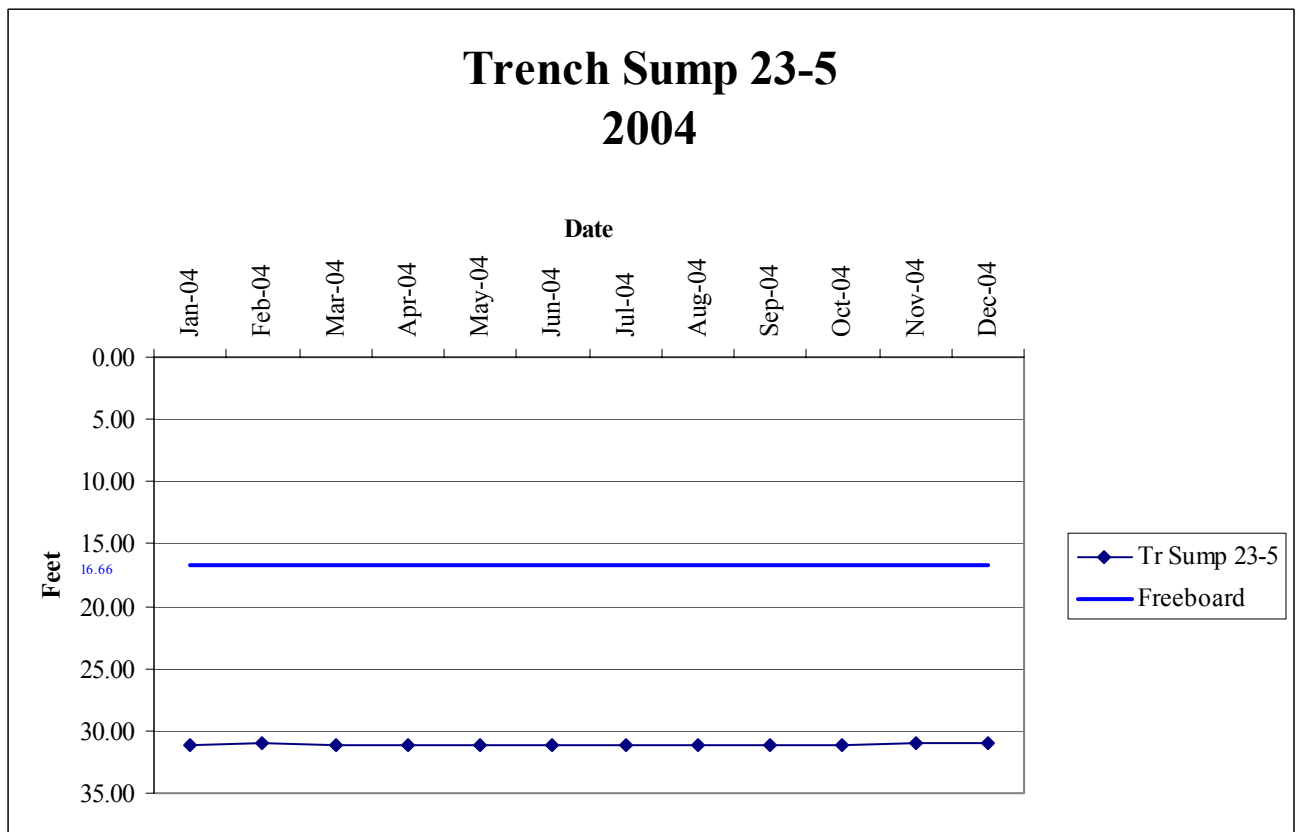
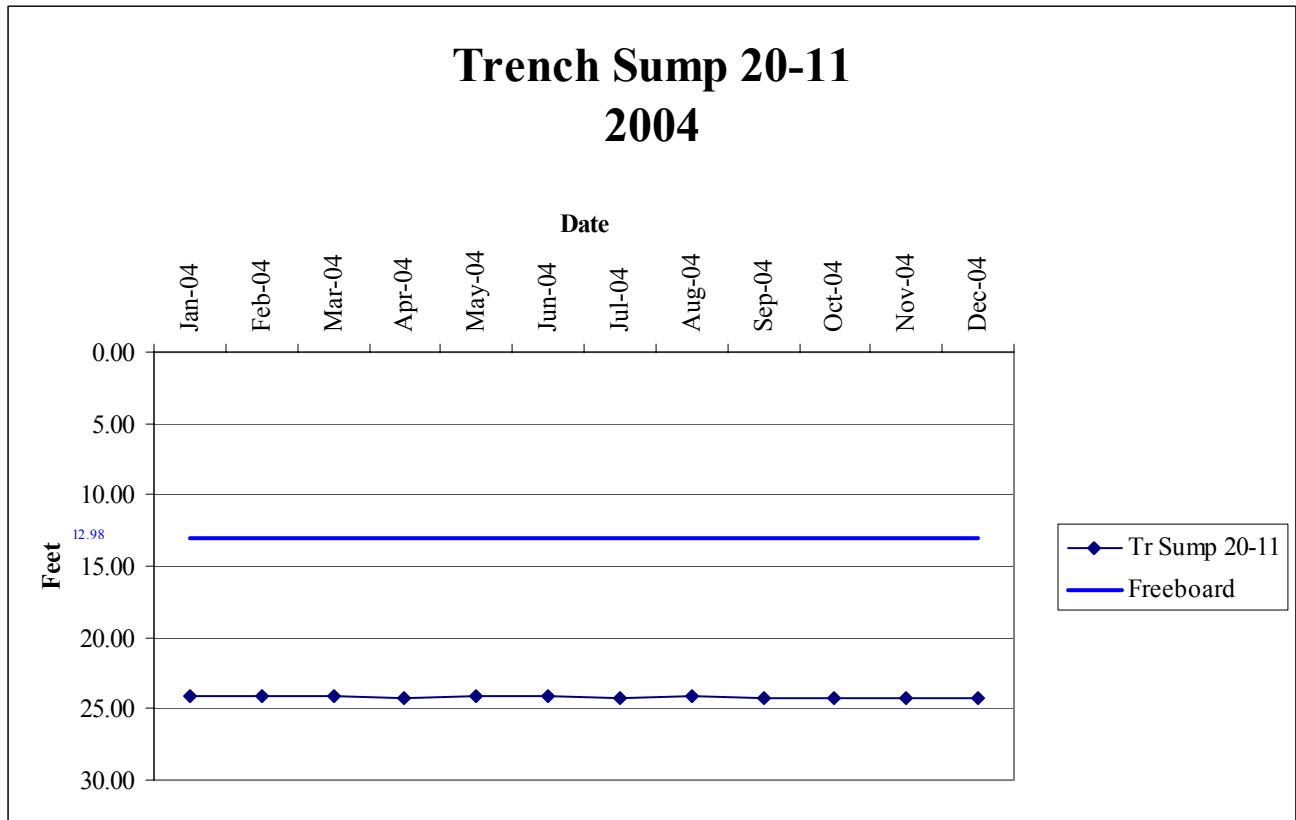
ANNUAL REPORT
 Maxey Flats Disposal Site
 2004

TRENCH SUMP LIQUID LEVEL CHARTS



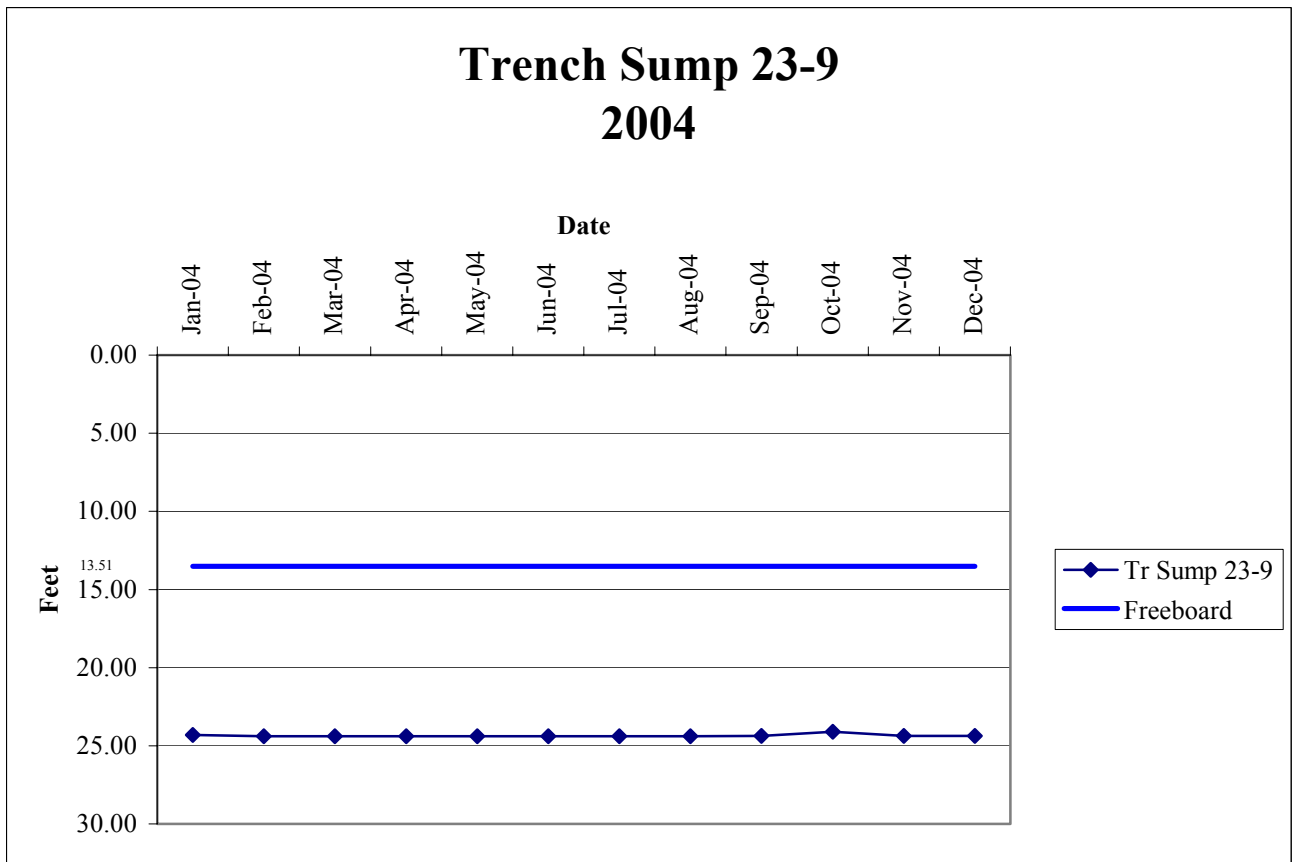
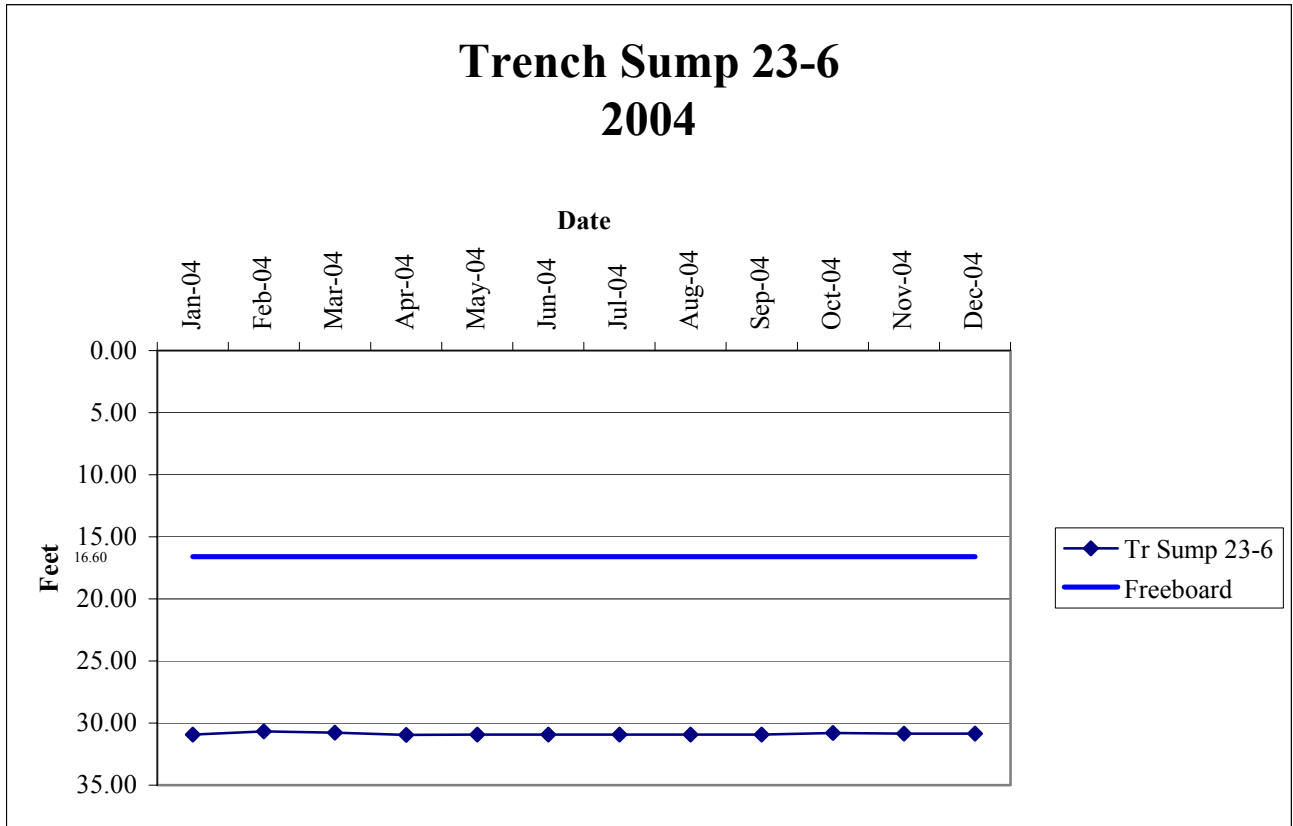
ANNUAL REPORT
Maxey Flats Disposal Site
2004

TRENCH SUMP LIQUID LEVEL CHARTS



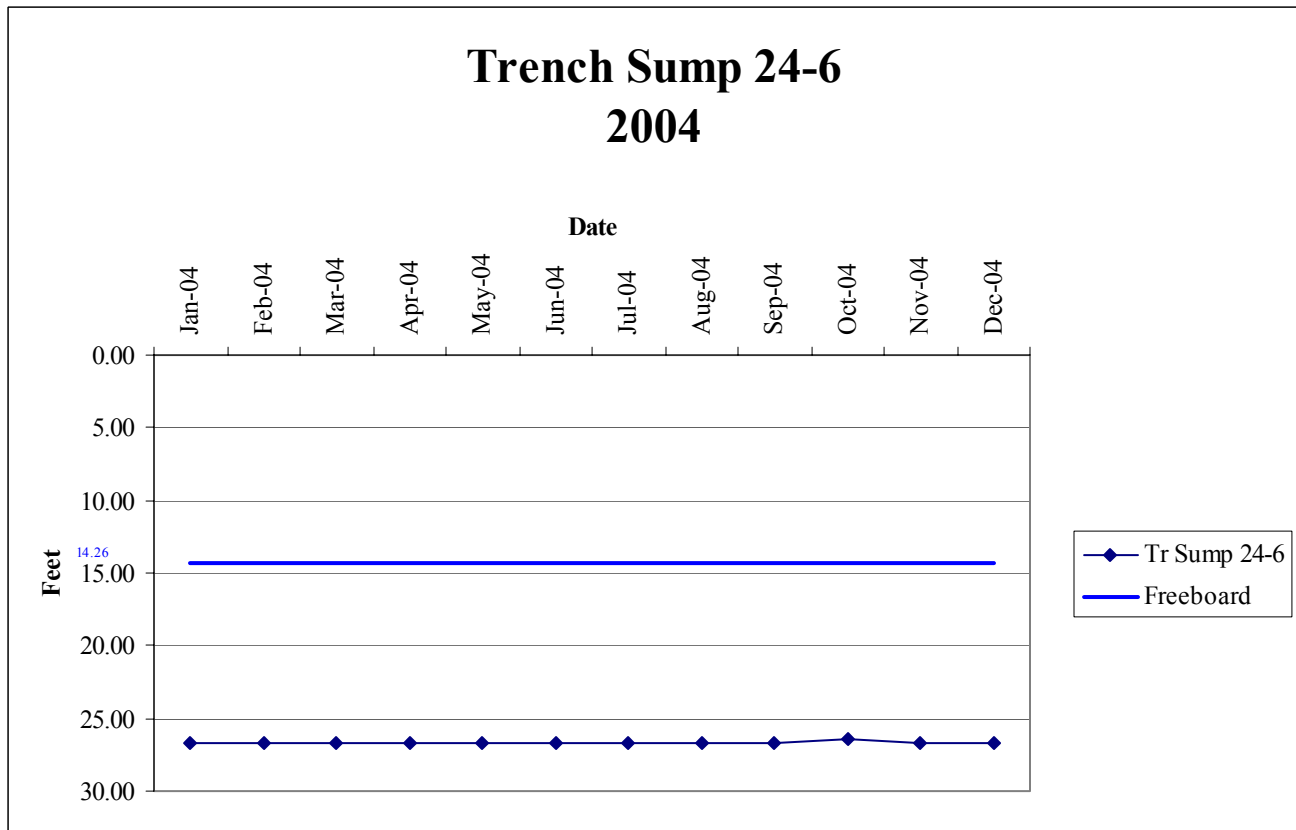
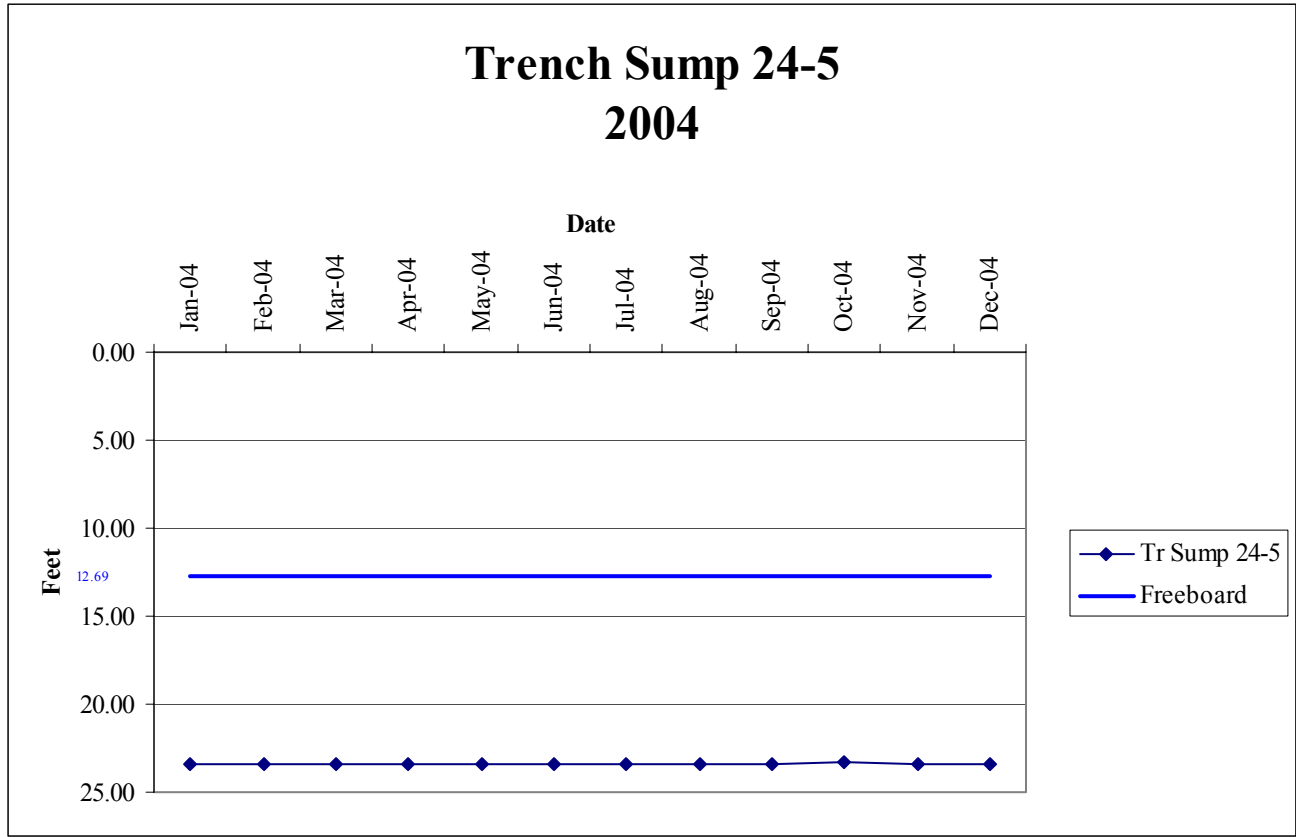
ANNUAL REPORT
Maxey Flats Disposal Site
2004

TRENCH SUMP LIQUID LEVEL CHARTS



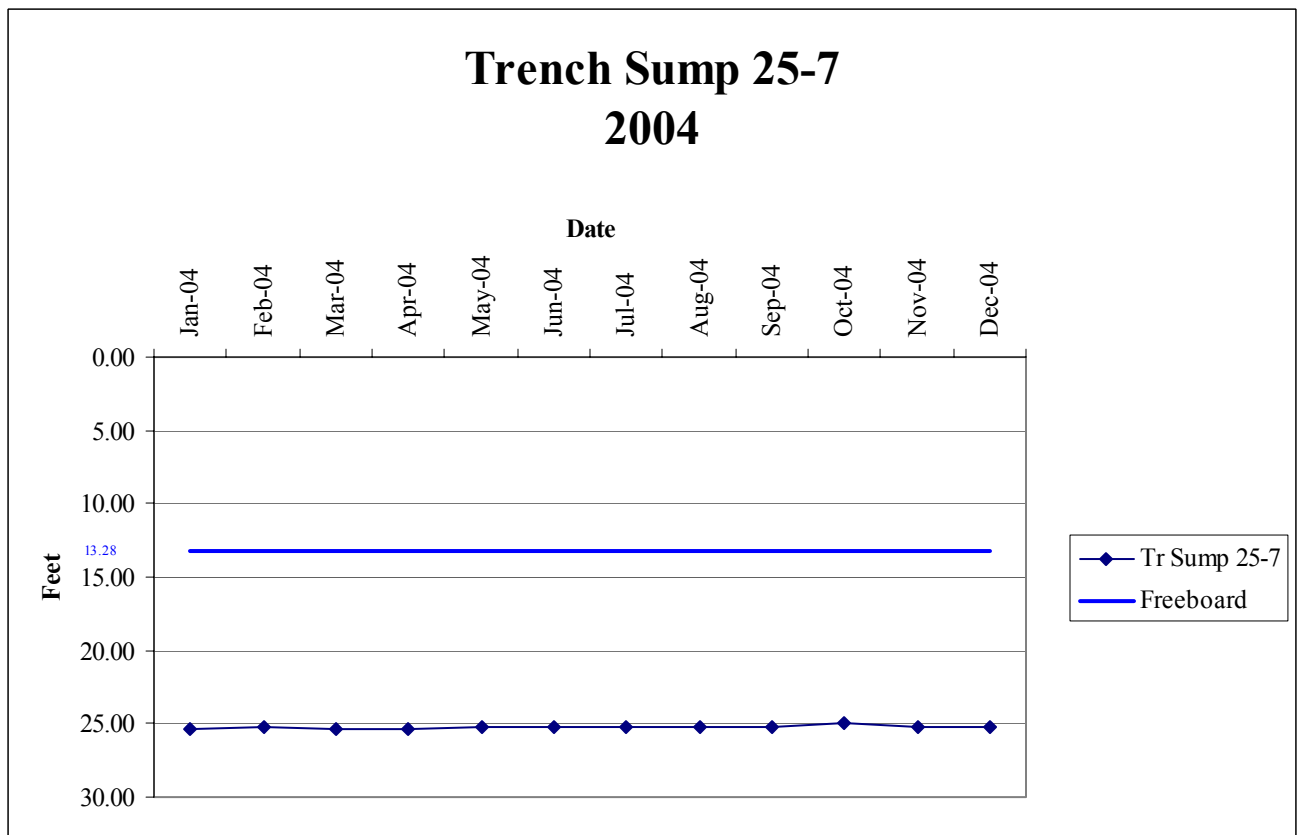
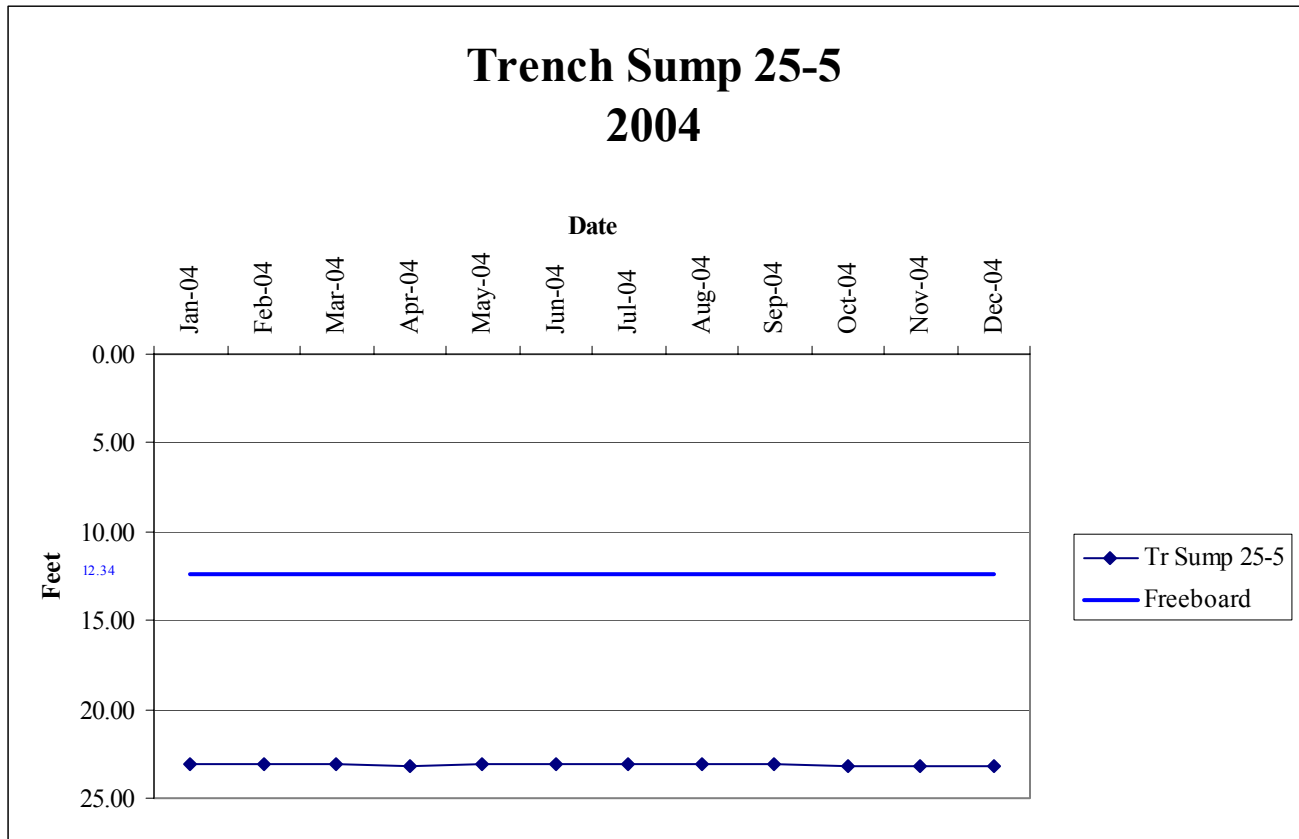
ANNUAL REPORT
Maxey Flats Disposal Site
2004

TRENCH SUMP LIQUID LEVEL CHARTS



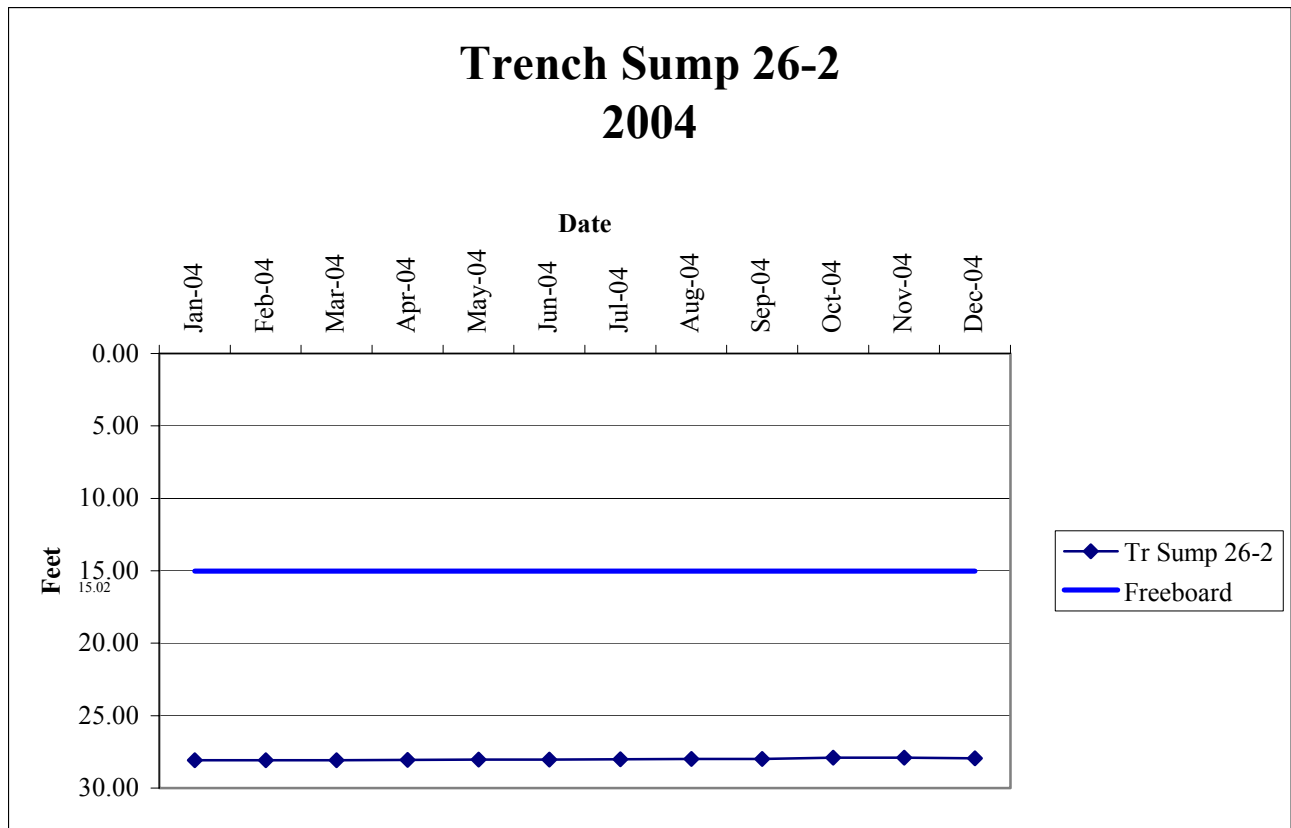
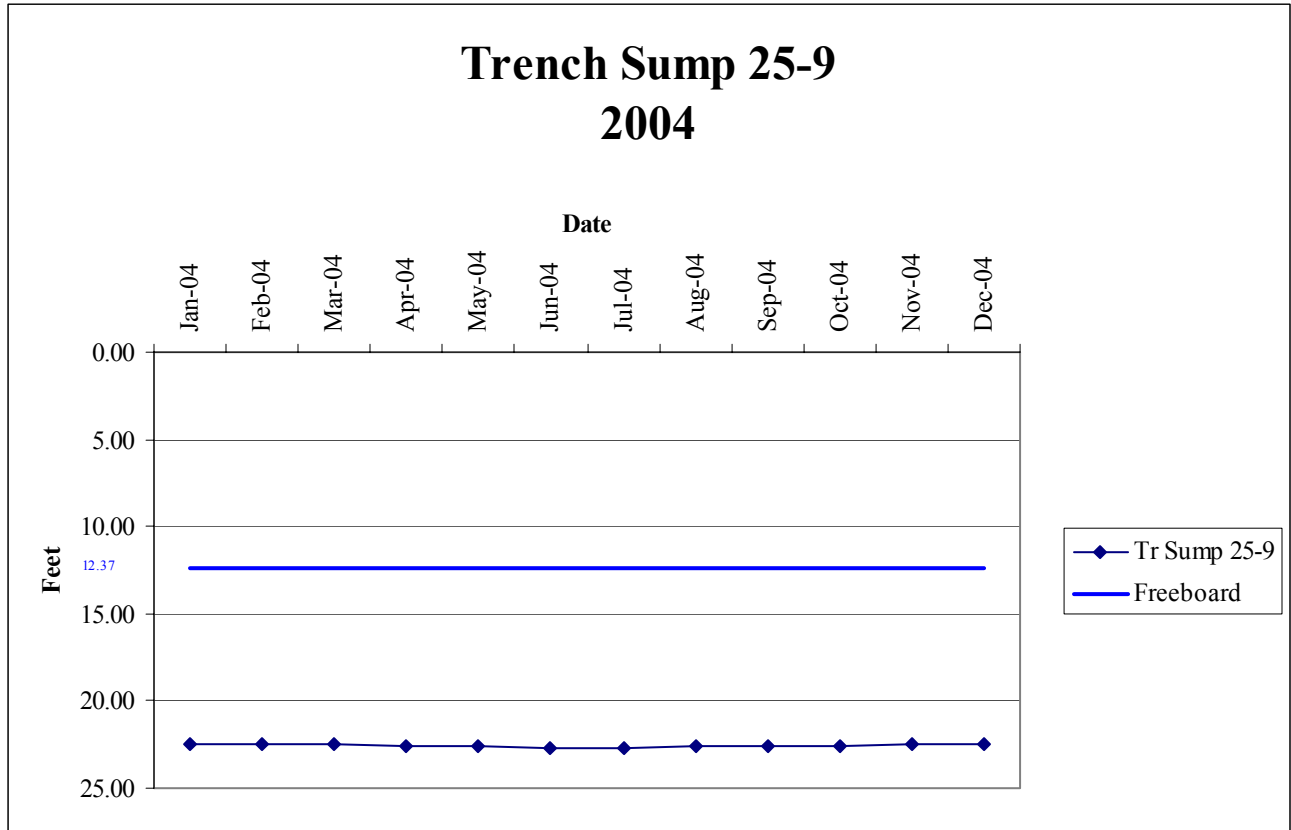
ANNUAL REPORT
Maxey Flats Disposal Site
2004

TRENCH SUMP LIQUID LEVEL CHARTS



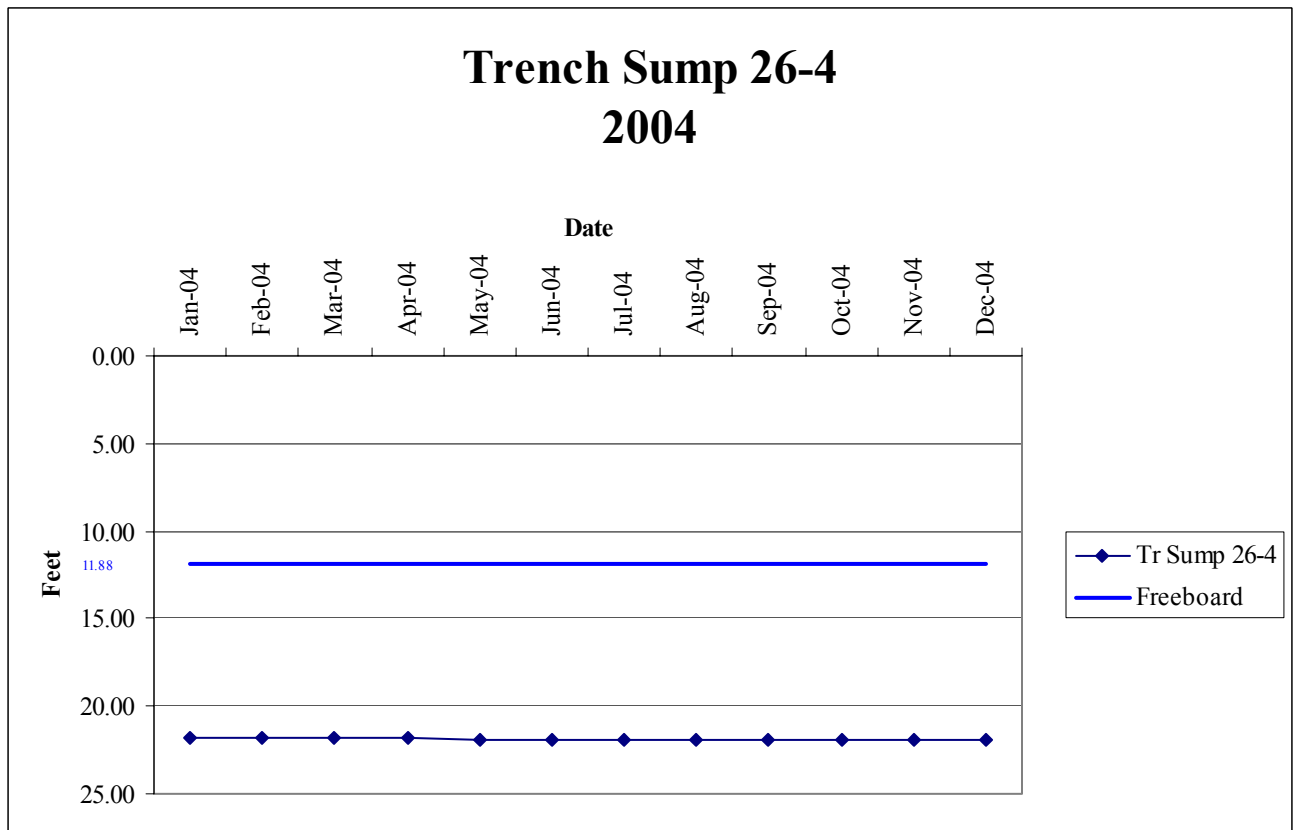
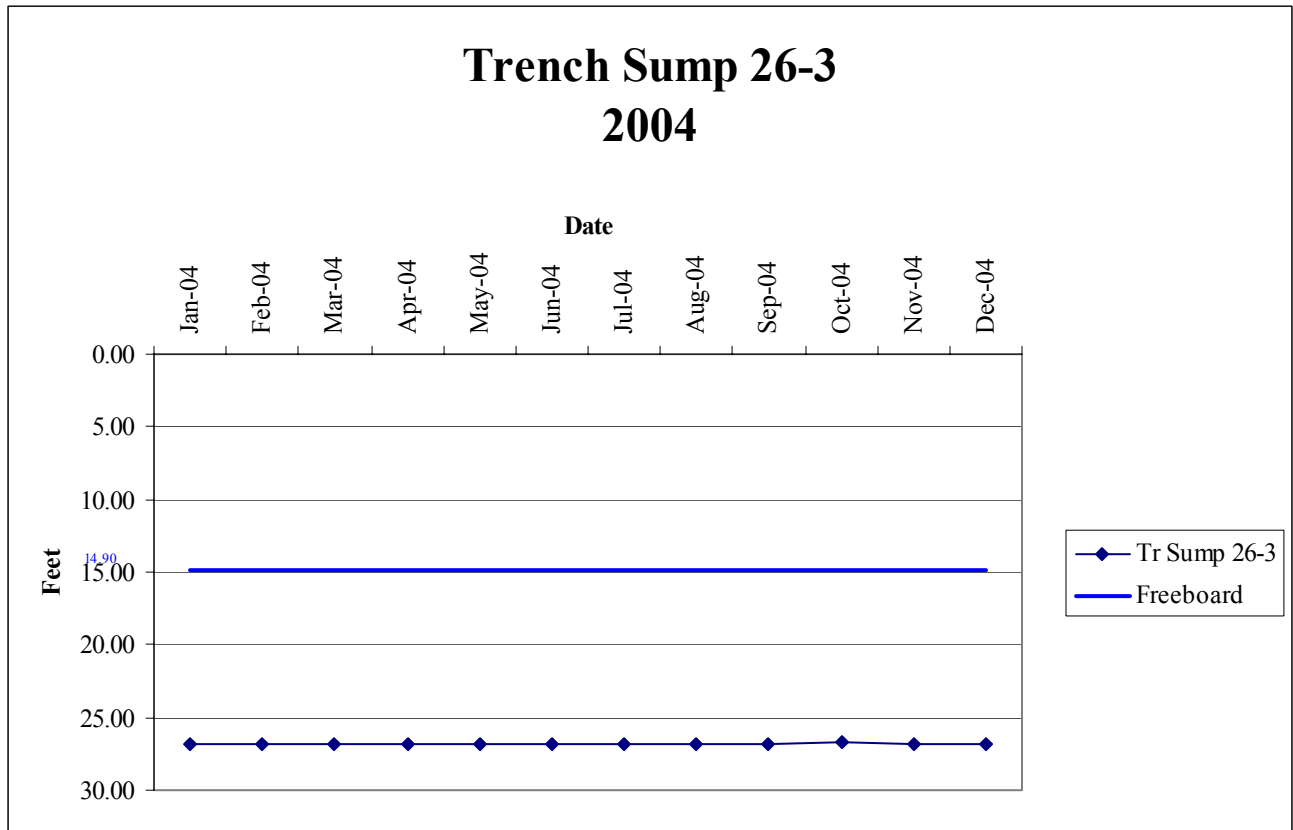
ANNUAL REPORT
Maxey Flats Disposal Site
2004

TRENCH SUMP LIQUID LEVEL CHARTS



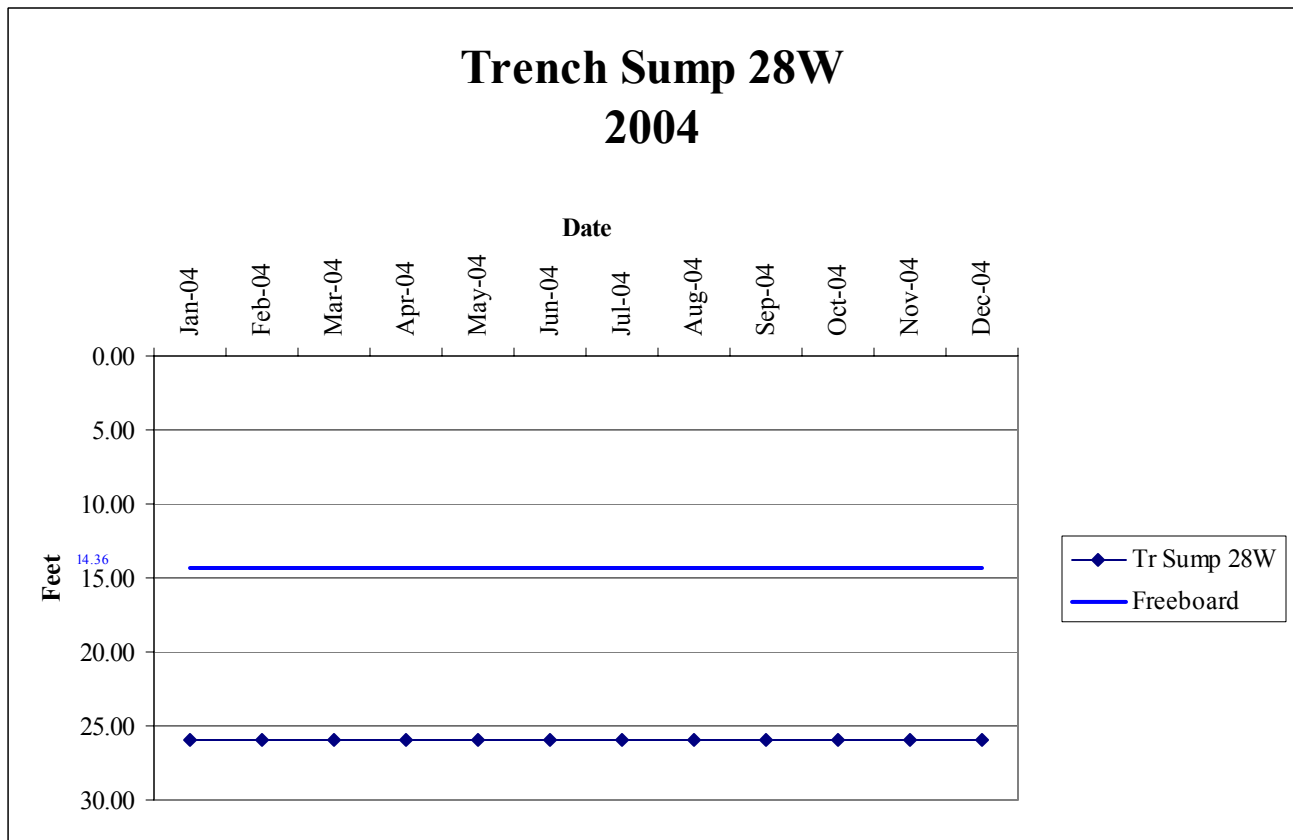
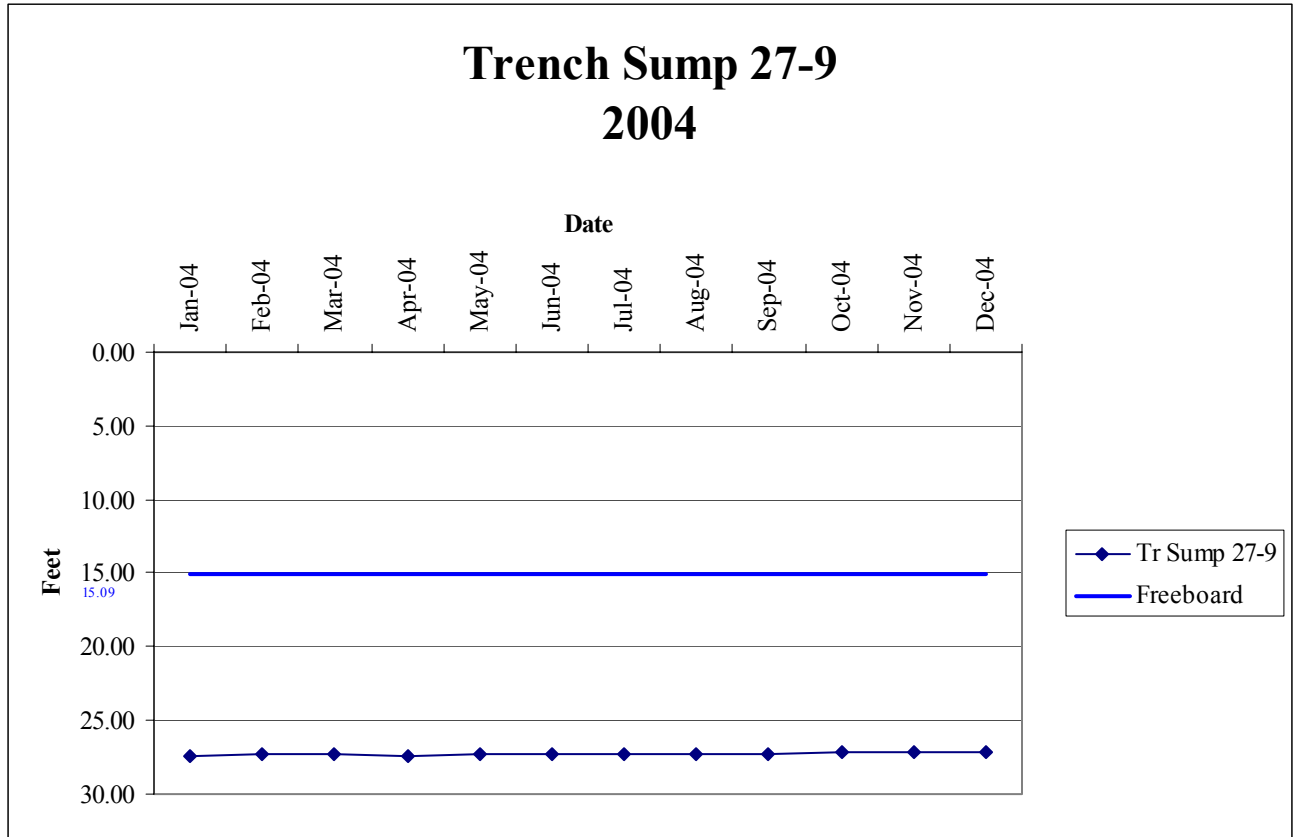
ANNUAL REPORT
Maxey Flats Disposal Site
2004

TRENCH SUMP LIQUID LEVEL CHARTS



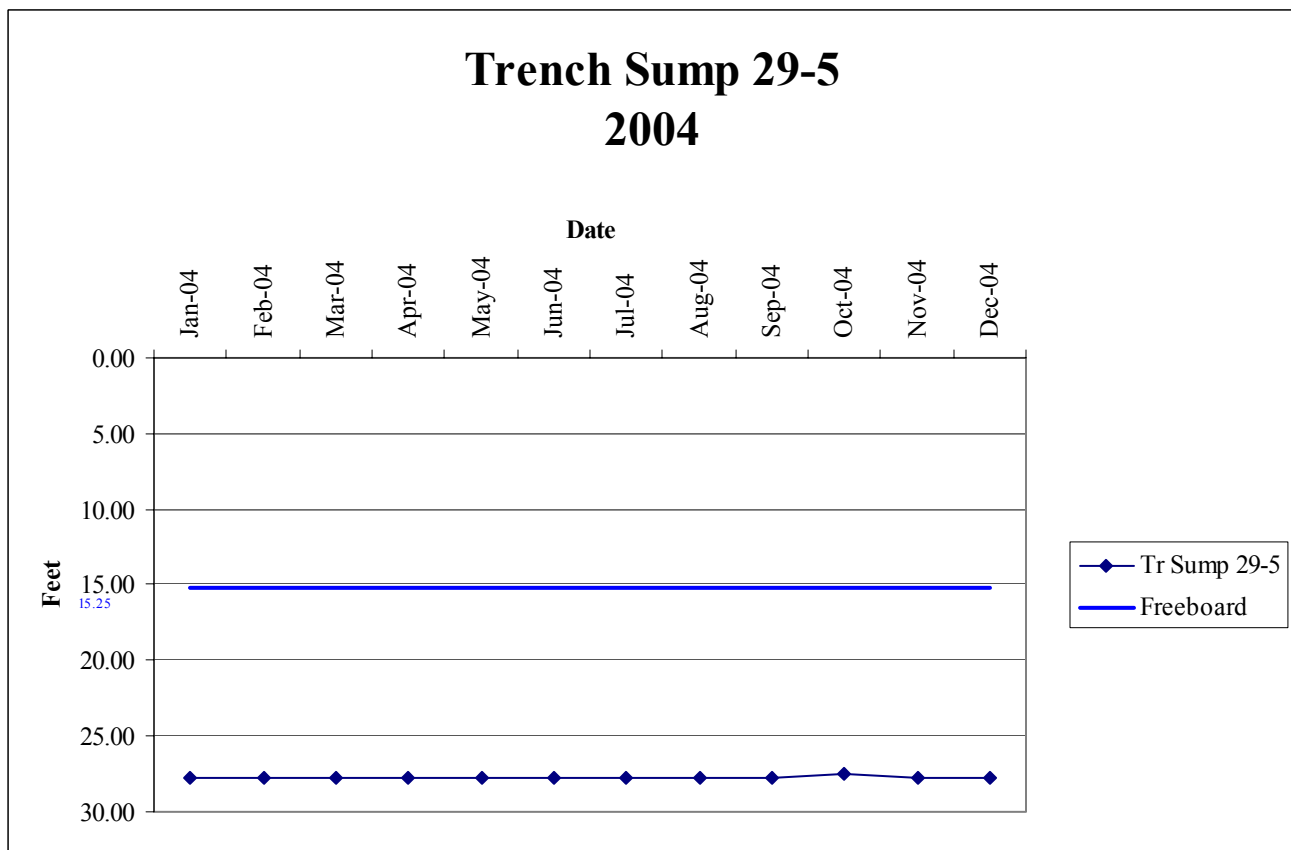
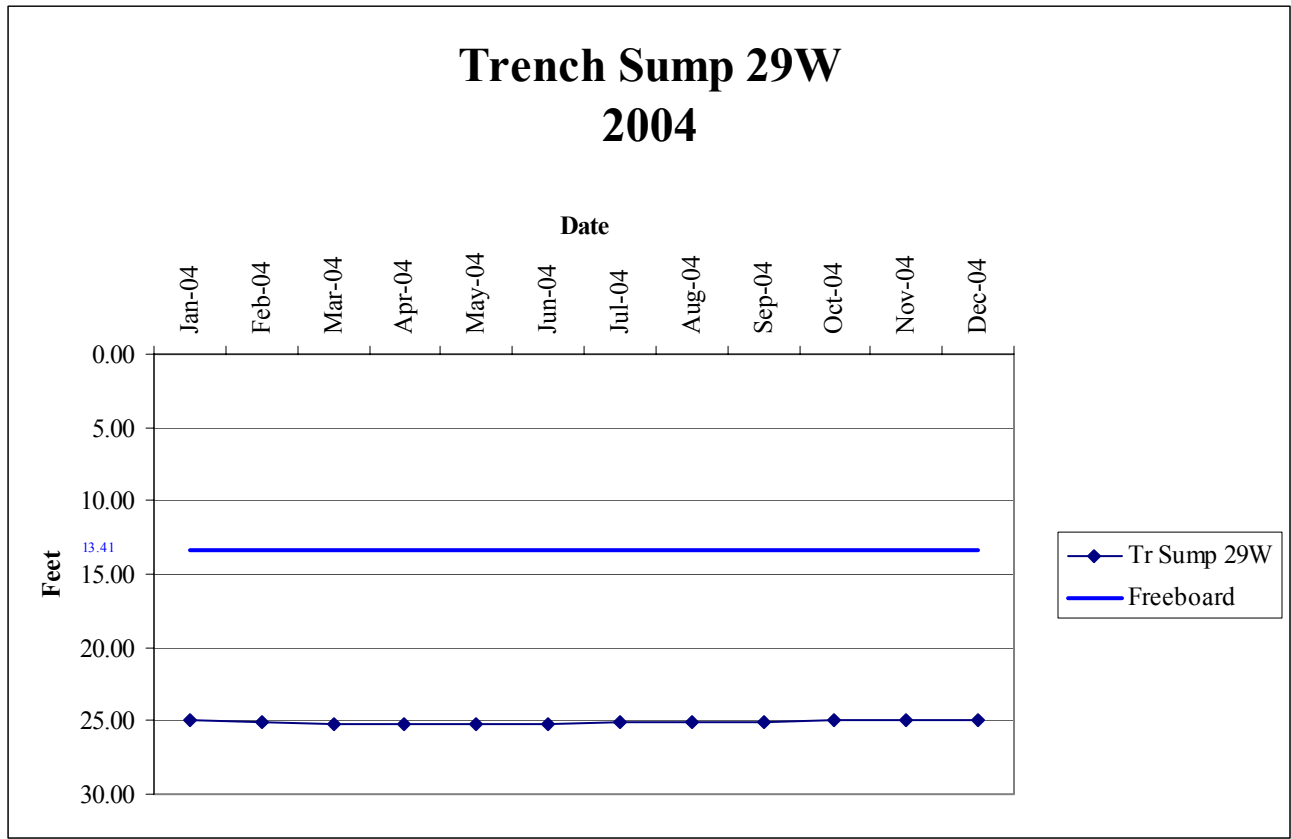
ANNUAL REPORT
Maxey Flats Disposal Site
2004

TRENCH SUMP LIQUID LEVEL CHARTS



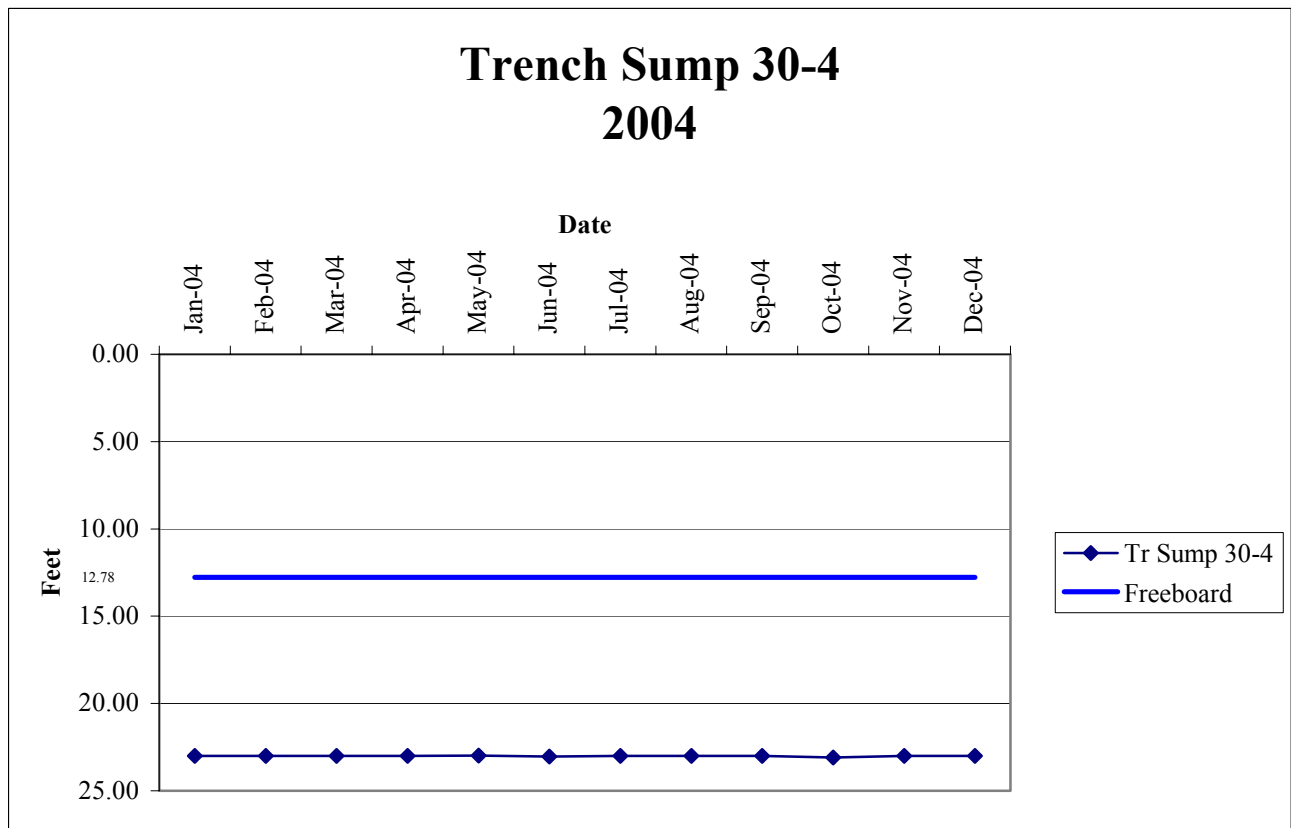
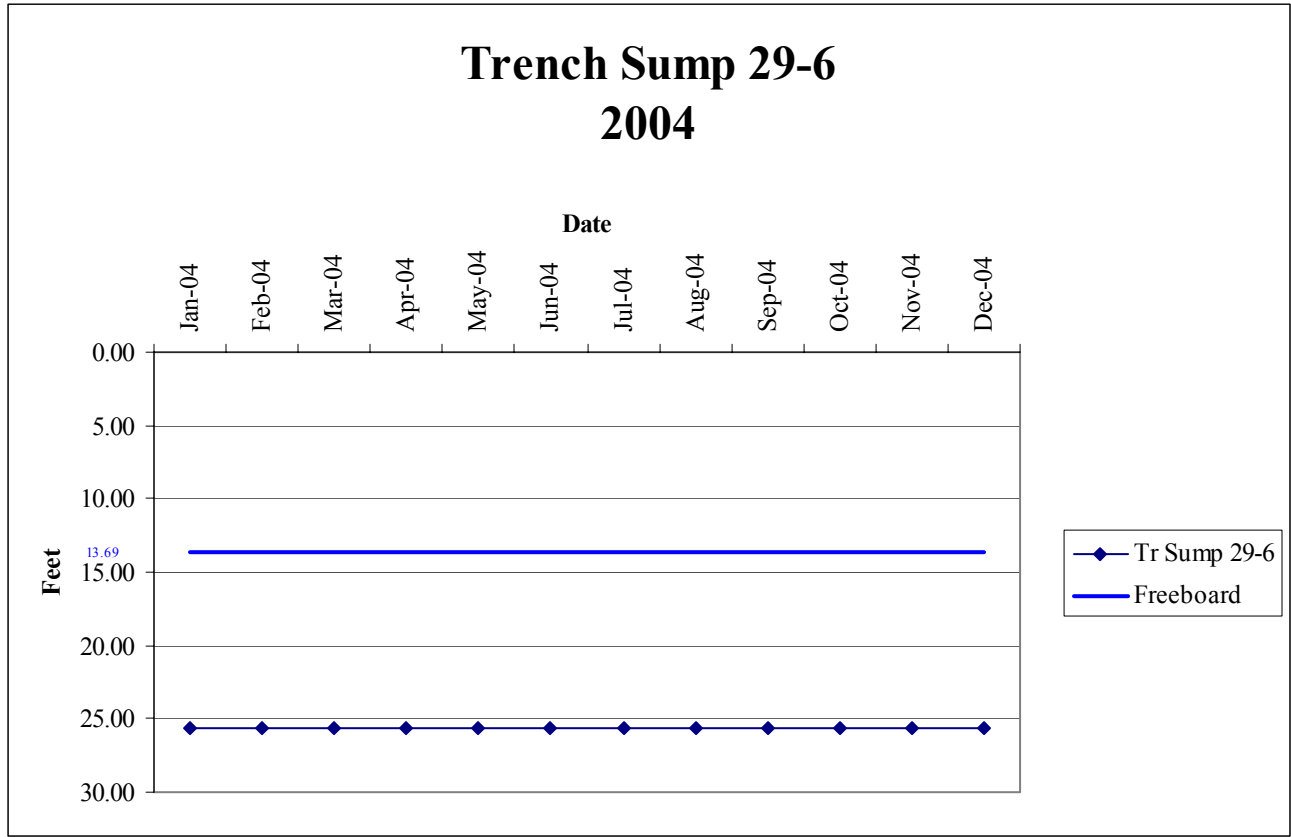
ANNUAL REPORT
 Maxey Flats Disposal Site
 2004

TRENCH SUMP LIQUID LEVEL CHARTS



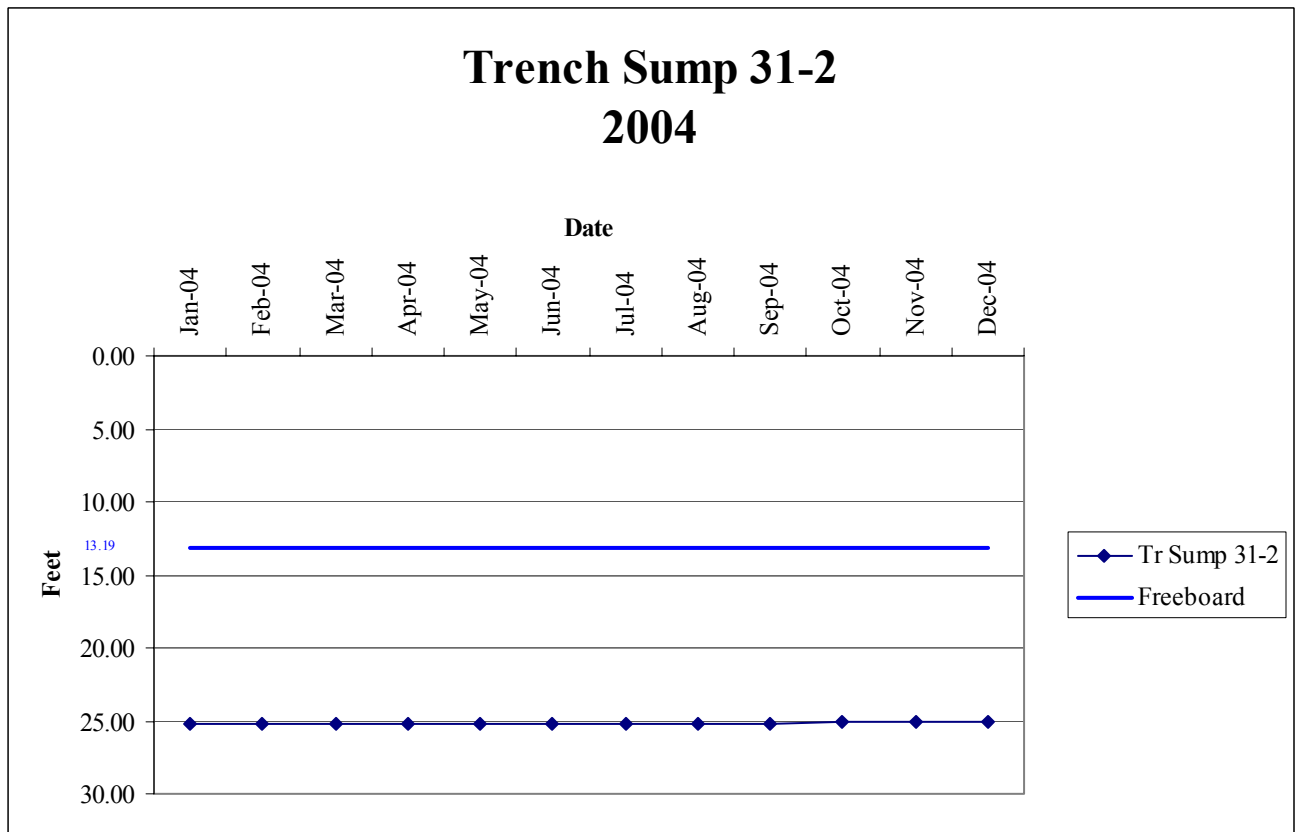
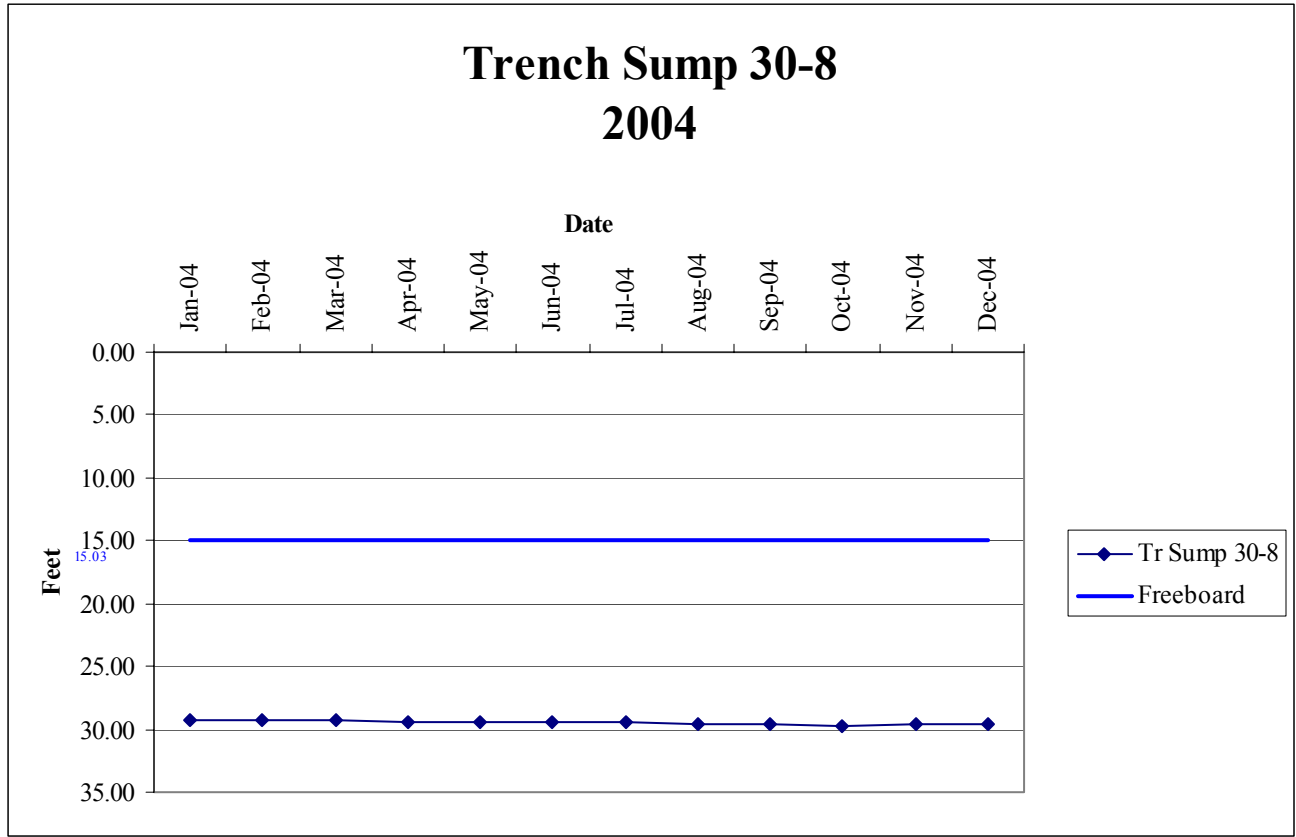
ANNUAL REPORT
Maxey Flats Disposal Site
2004

TRENCH SUMP LIQUID LEVEL CHARTS



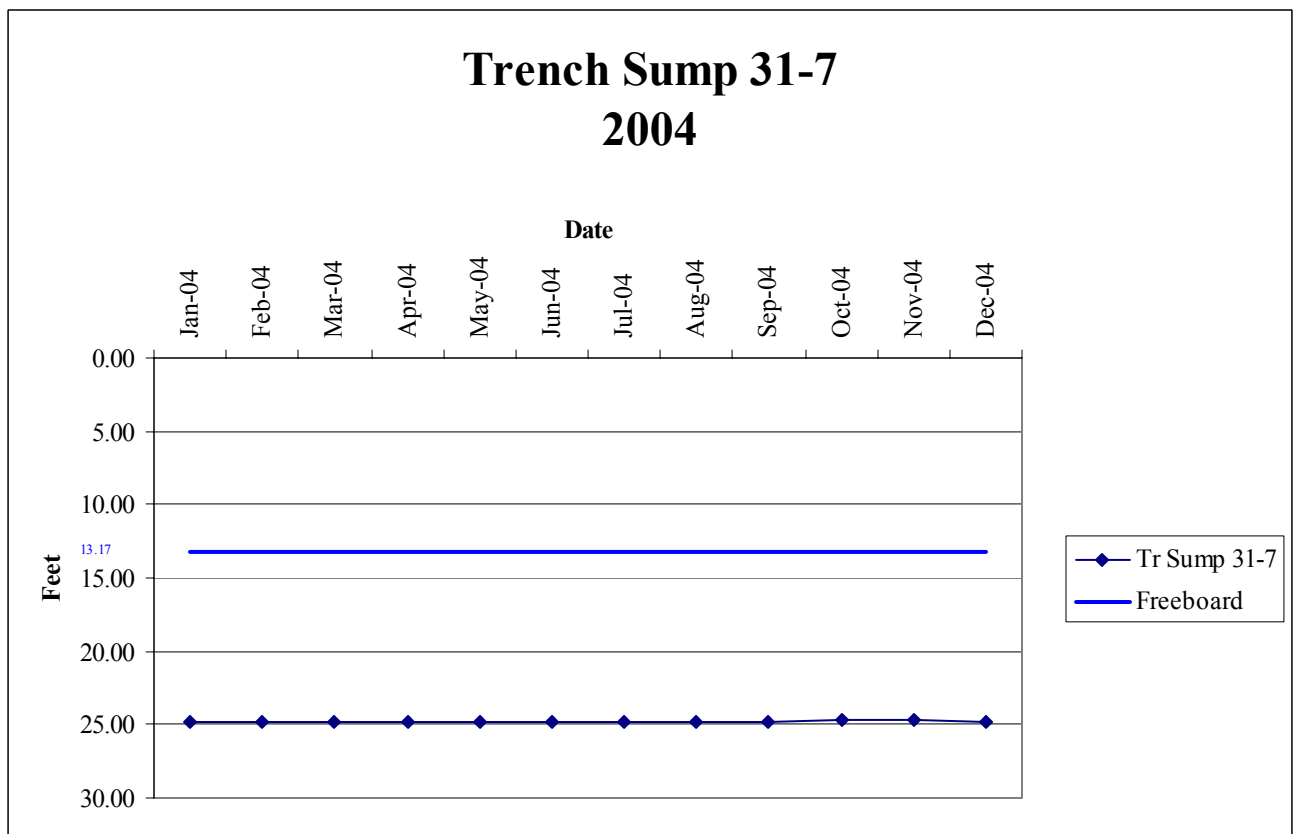
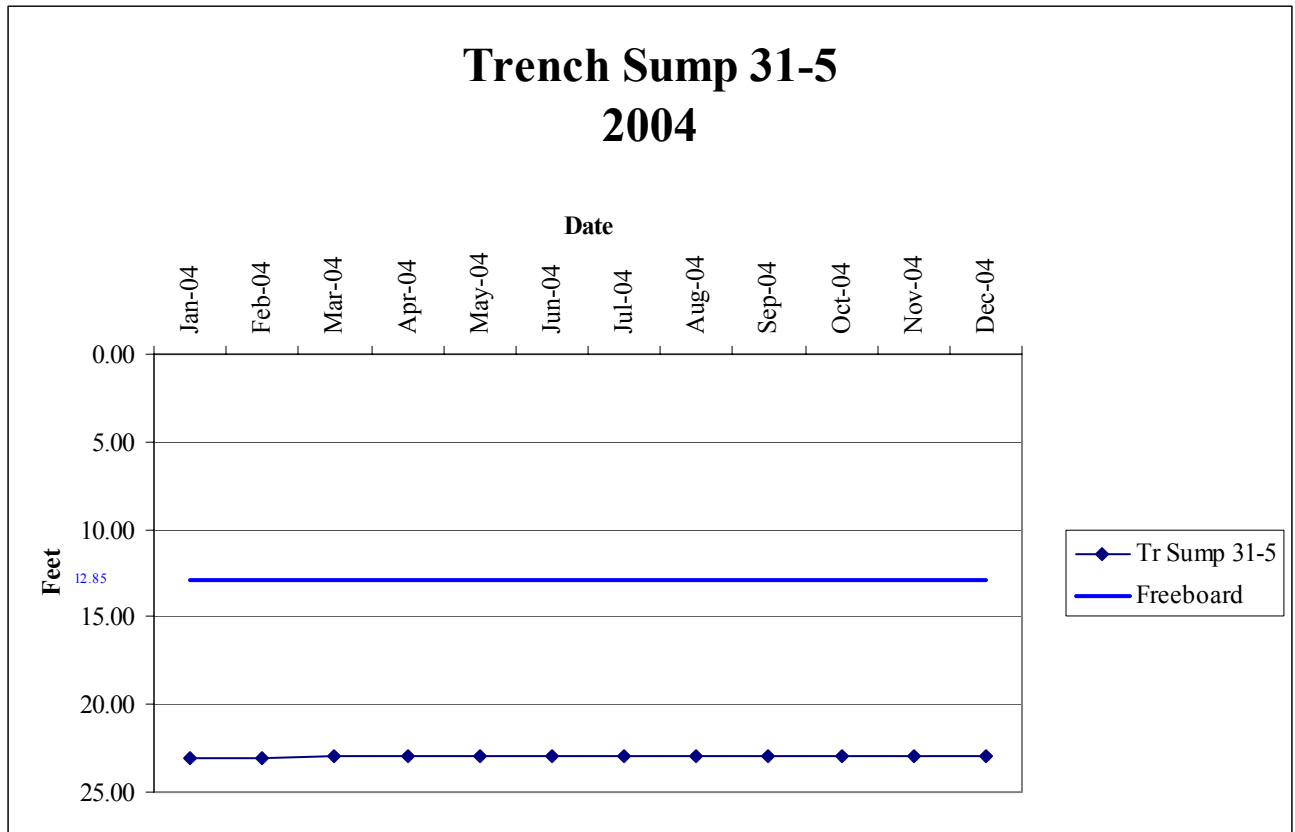
ANNUAL REPORT
Maxey Flats Disposal Site
2004

TRENCH SUMP LIQUID LEVEL CHARTS



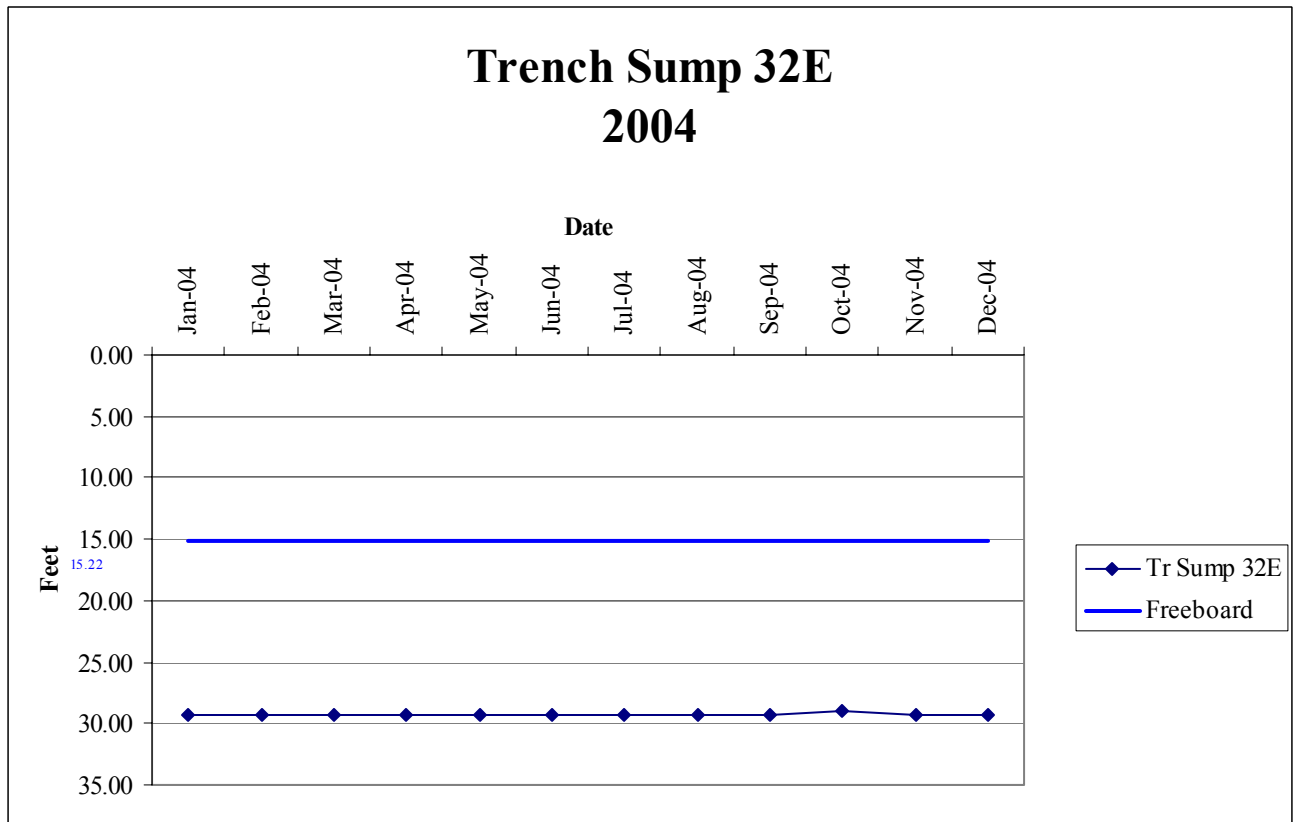
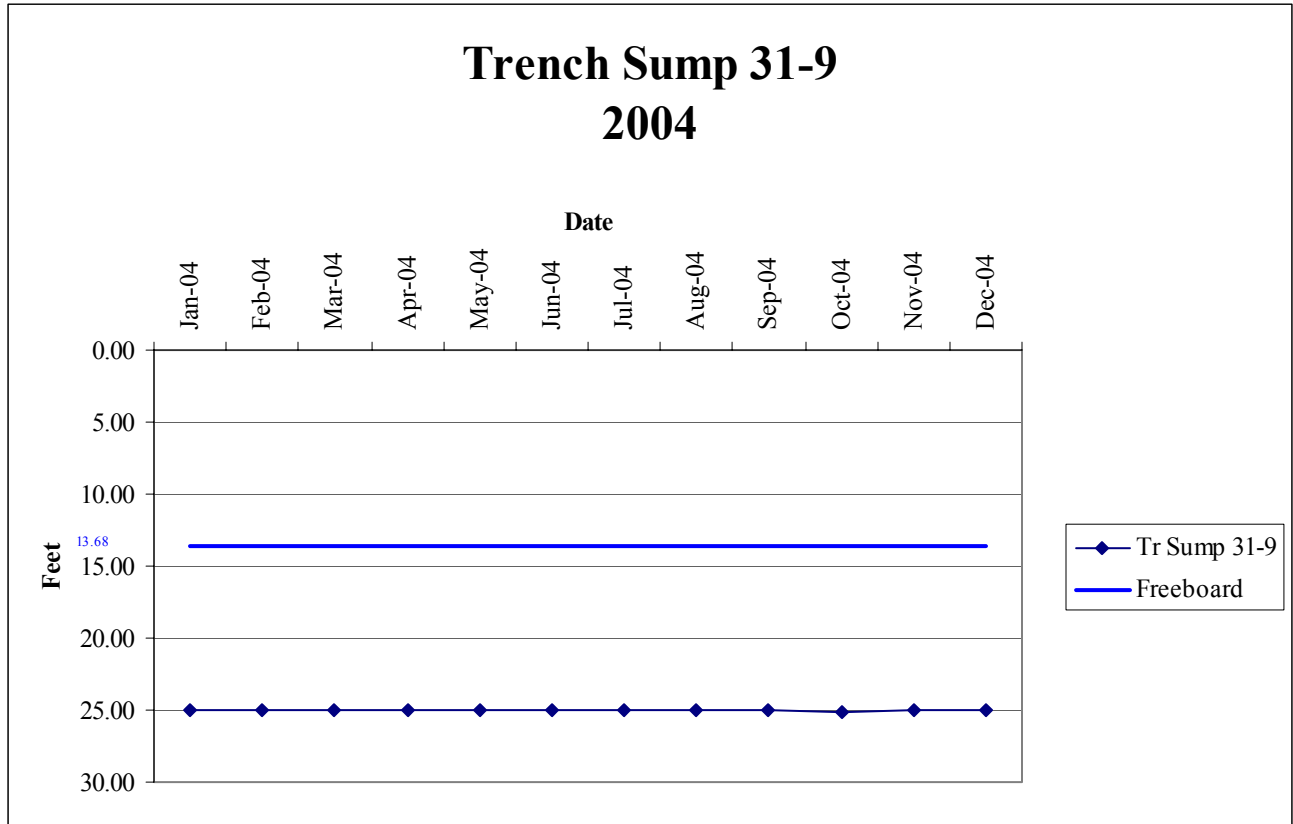
ANNUAL REPORT
Maxey Flats Disposal Site
2004

TRENCH SUMP LIQUID LEVEL CHARTS



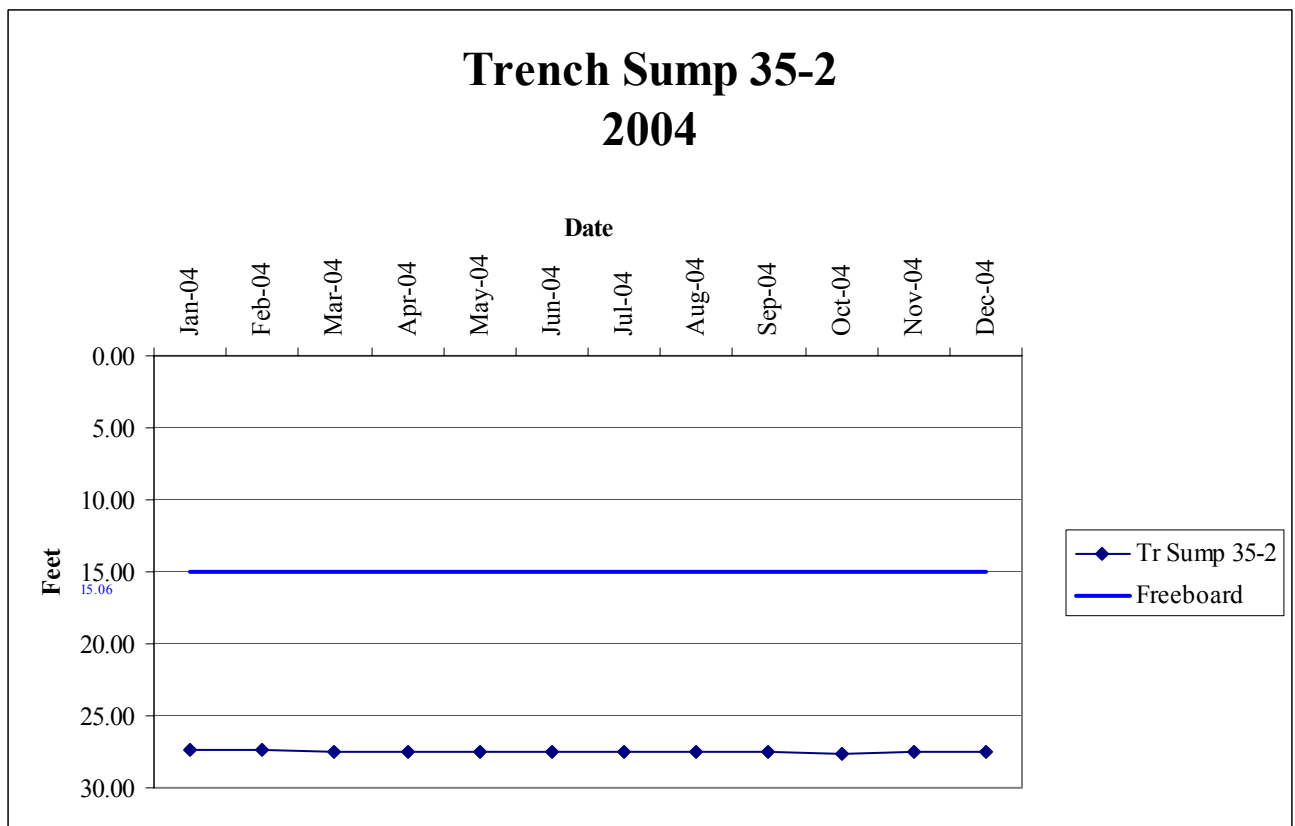
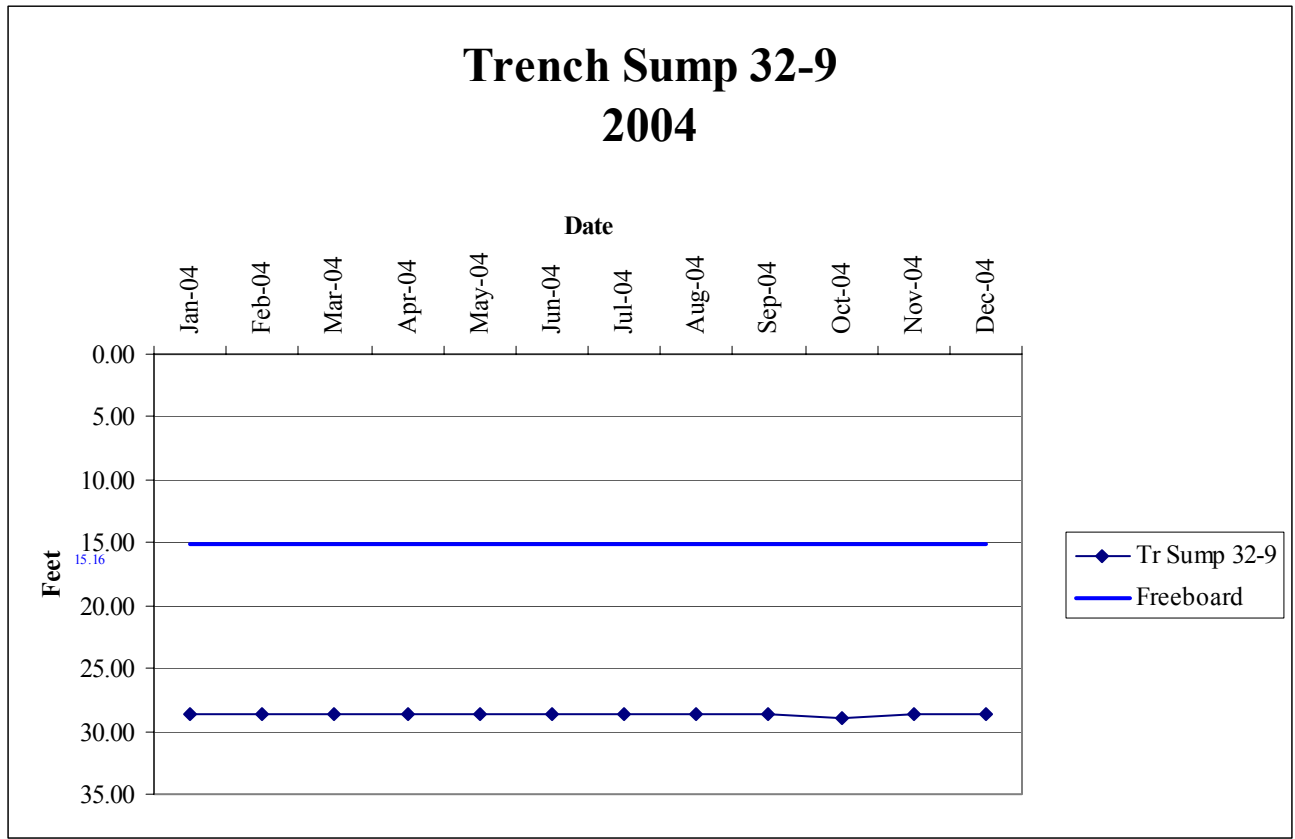
ANNUAL REPORT
 Maxey Flats Disposal Site
 2004

TRENCH SUMP LIQUID LEVEL CHARTS



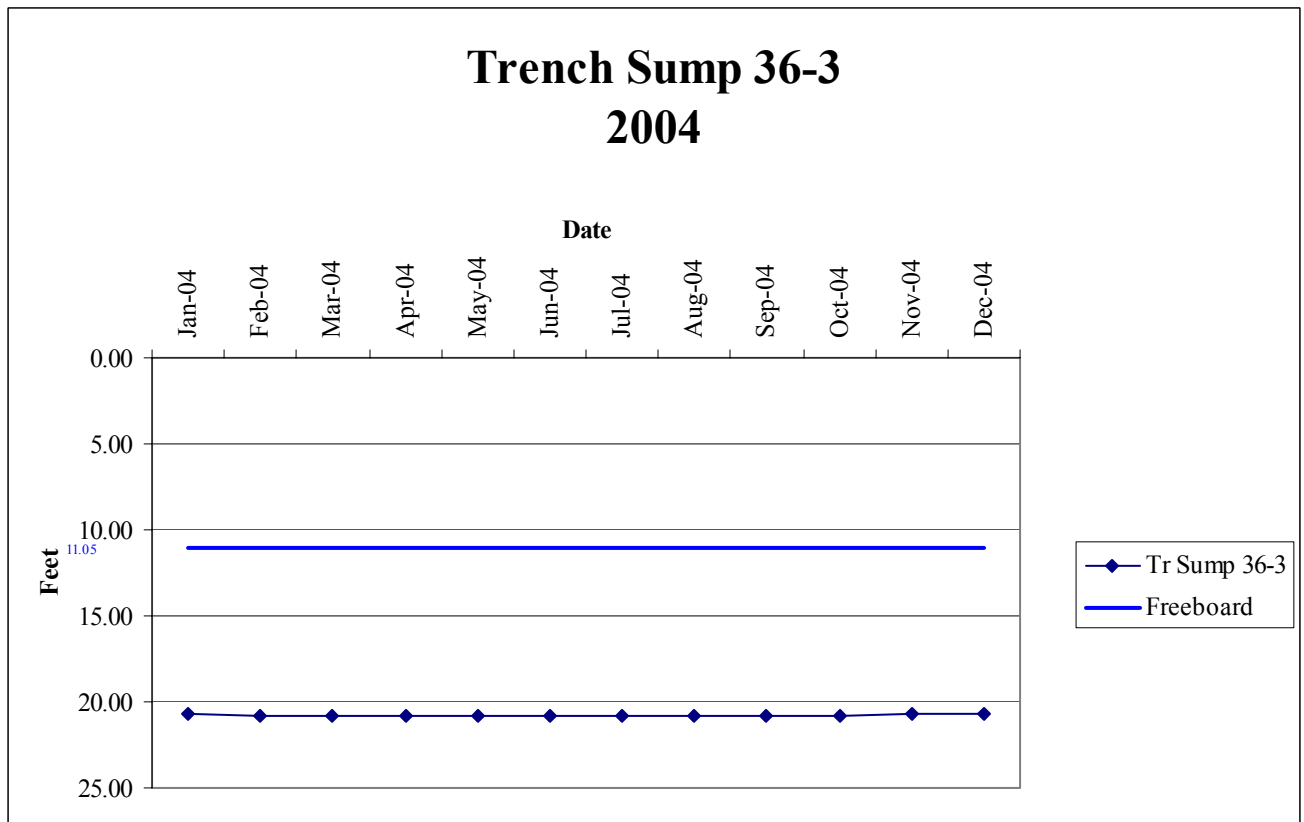
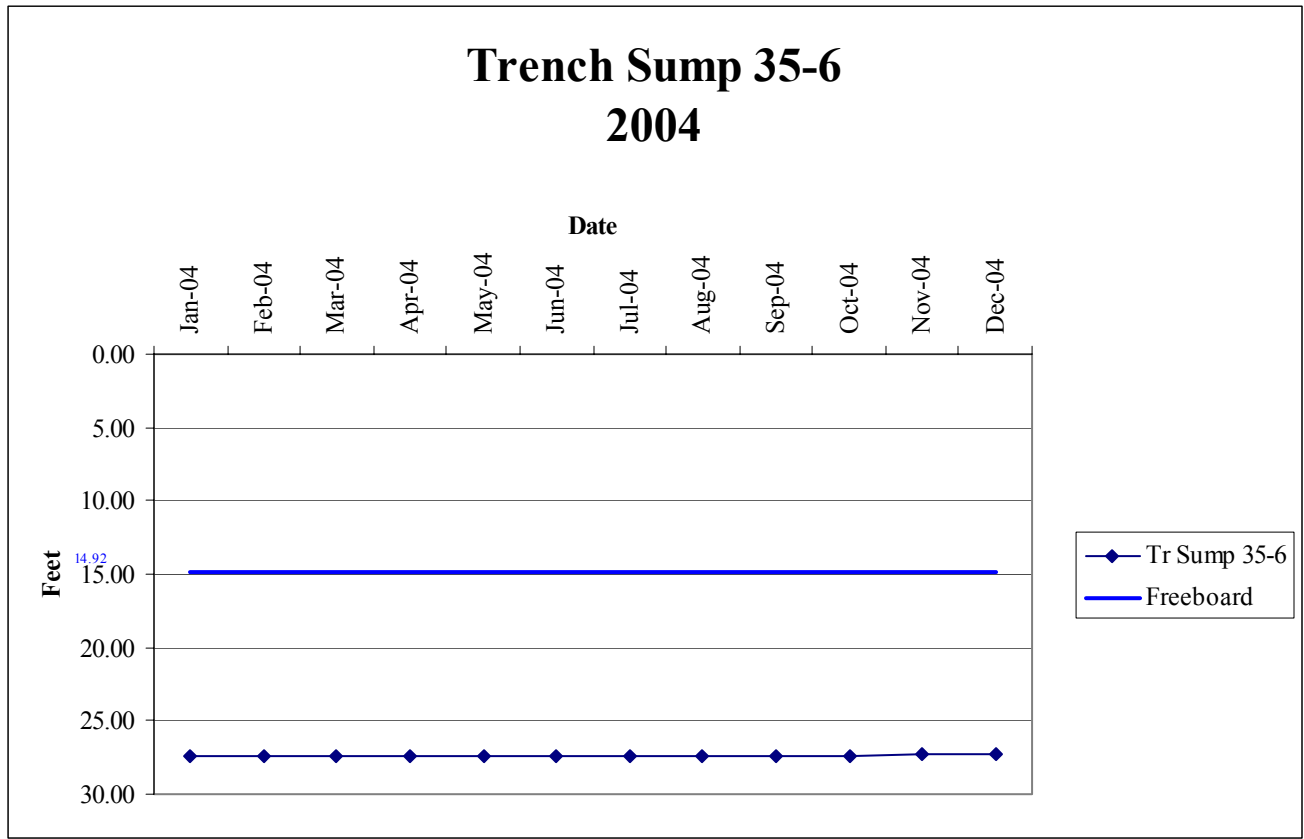
ANNUAL REPORT
Maxey Flats Disposal Site
2004

TRENCH SUMP LIQUID LEVEL CHARTS



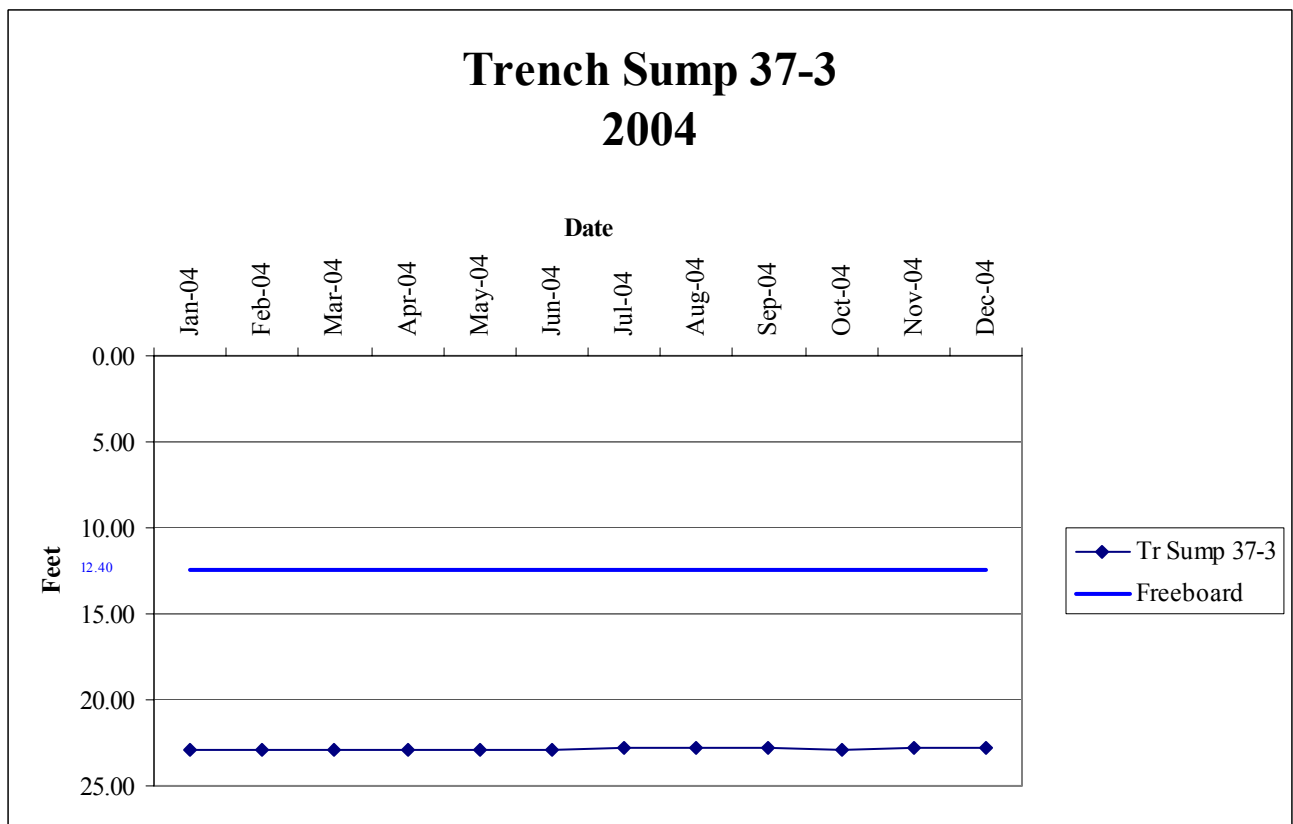
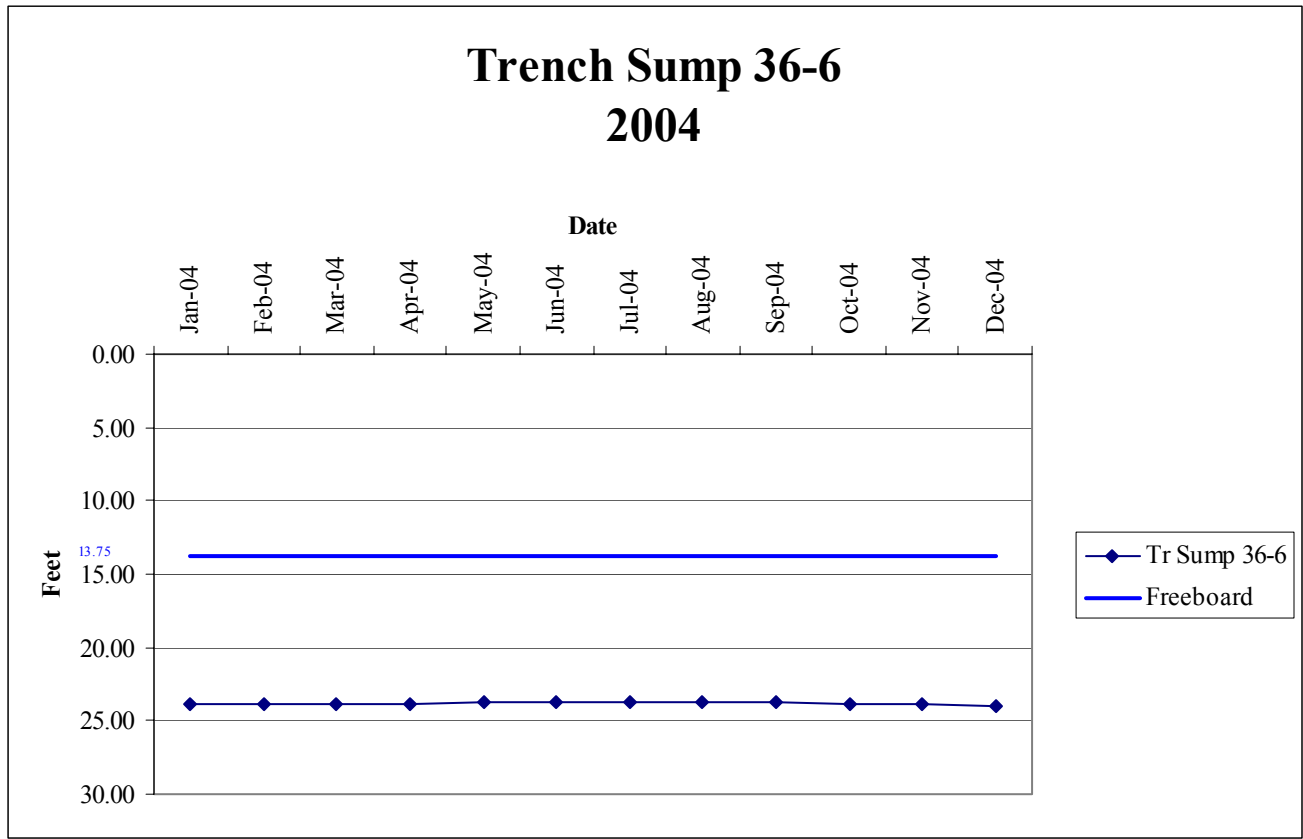
ANNUAL REPORT
Maxey Flats Disposal Site
2004

TRENCH SUMP LIQUID LEVEL CHARTS



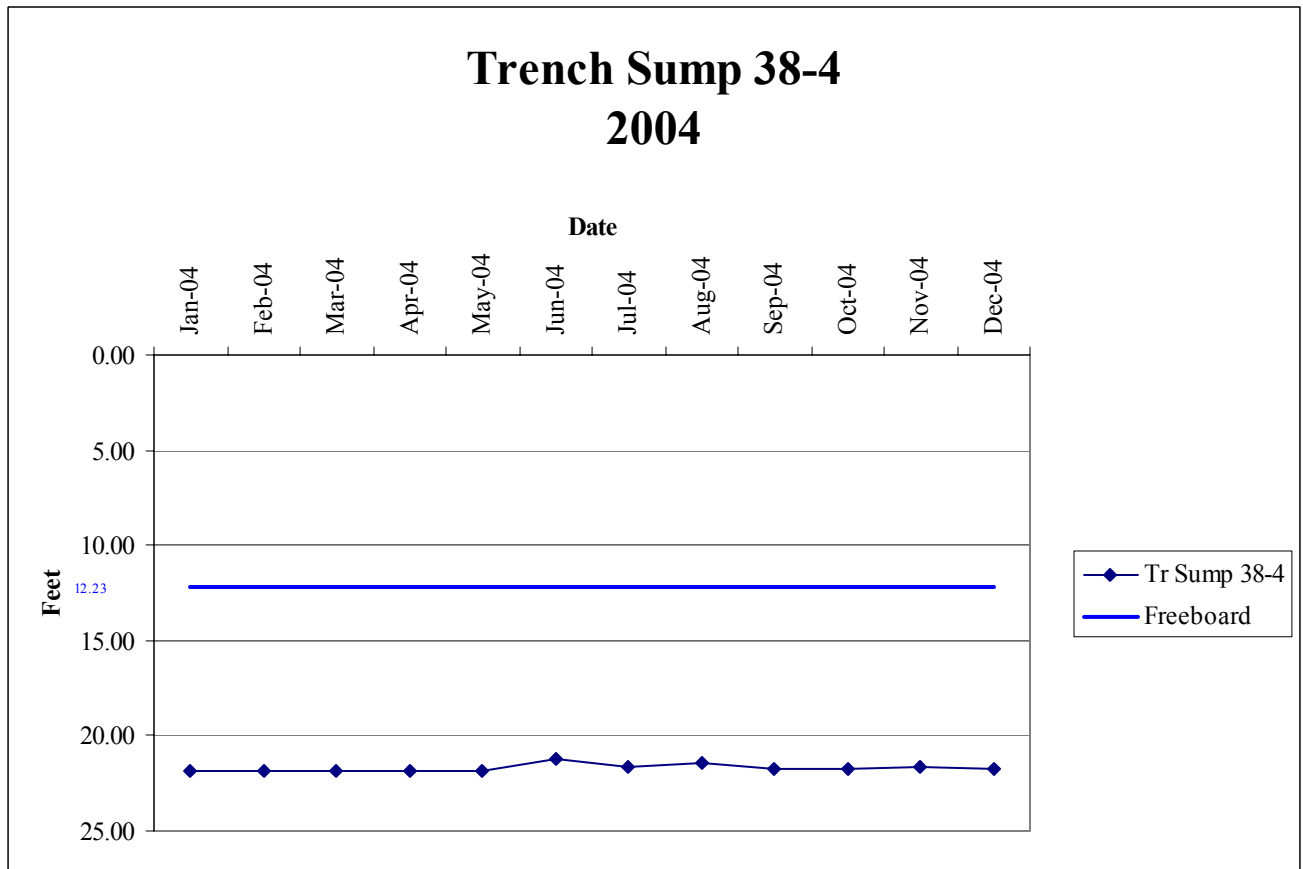
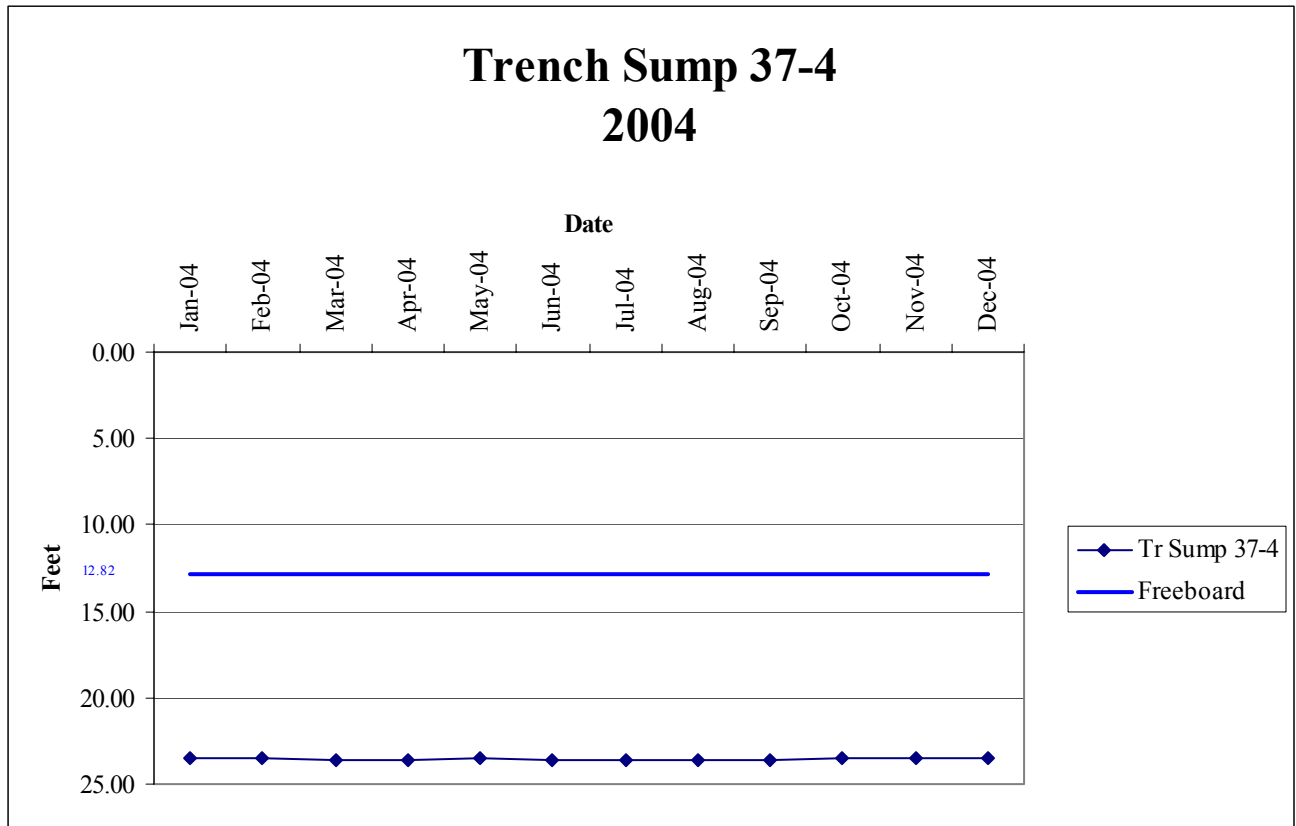
ANNUAL REPORT
Maxey Flats Disposal Site
2004

TRENCH SUMP LIQUID LEVEL CHARTS



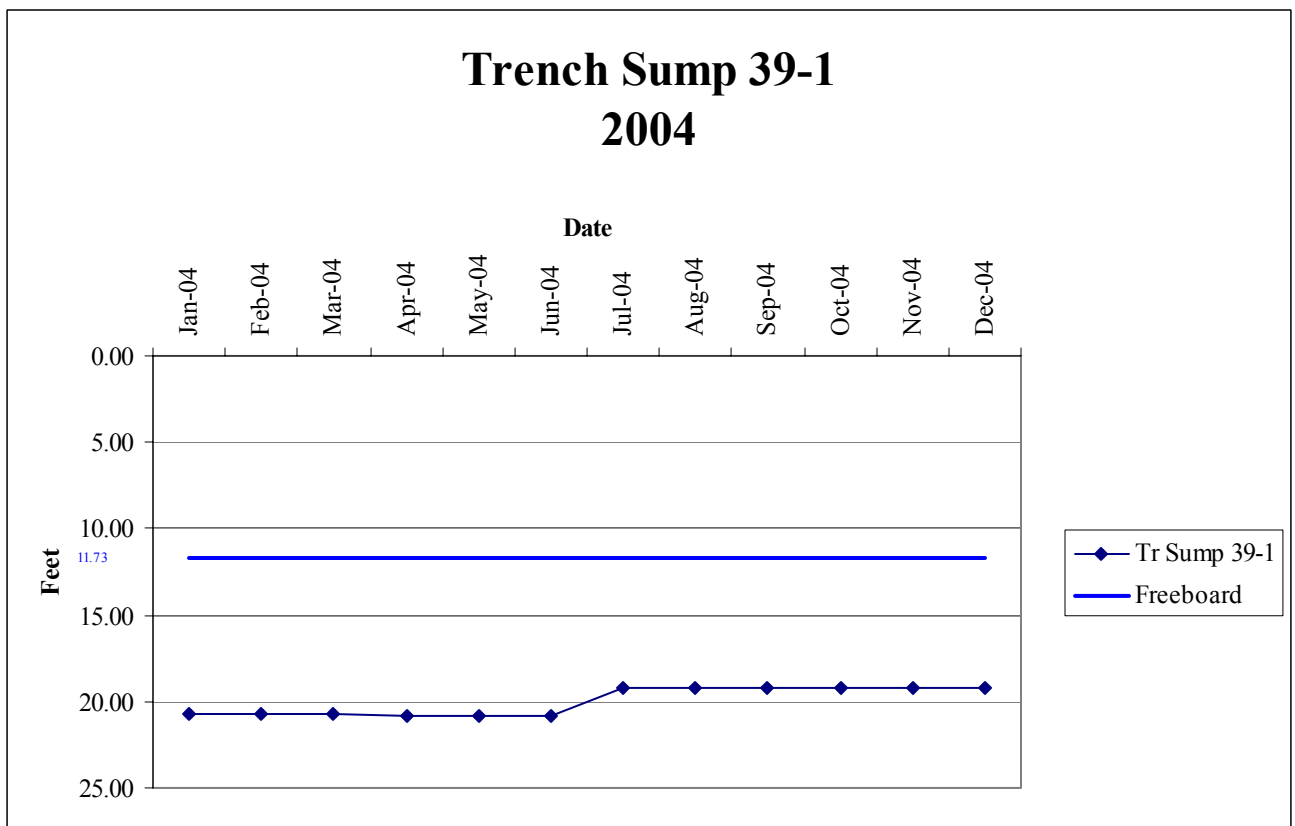
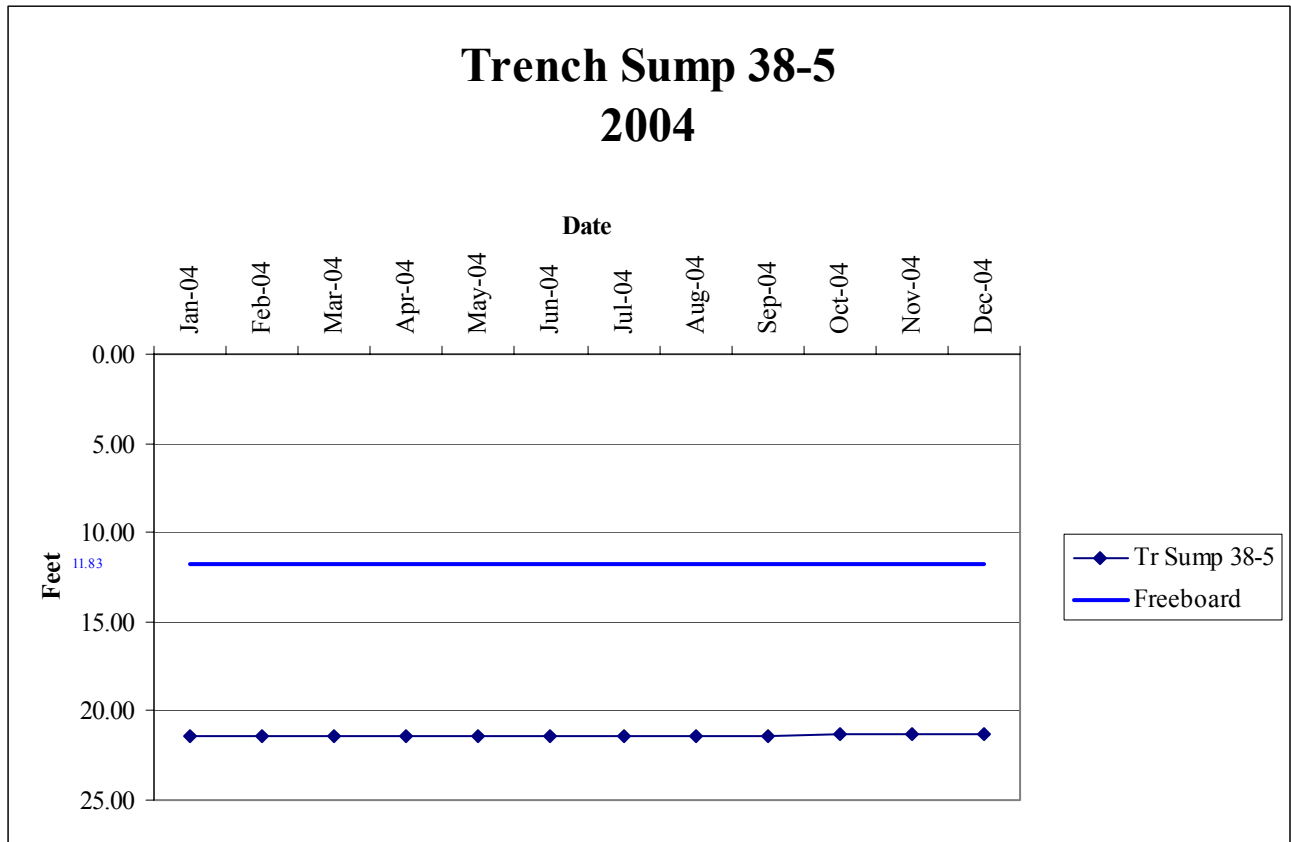
ANNUAL REPORT
Maxey Flats Disposal Site
2004

TRENCH SUMP LIQUID LEVEL CHARTS



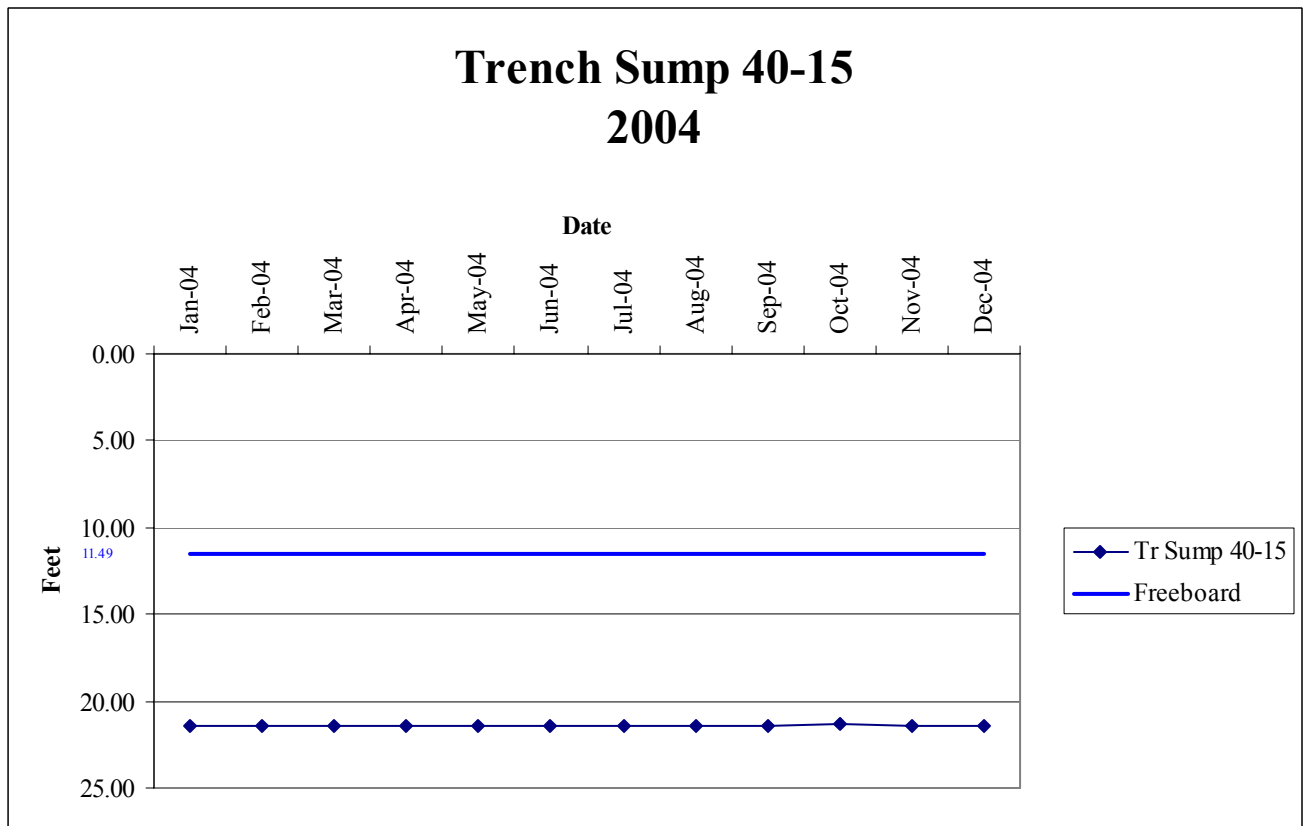
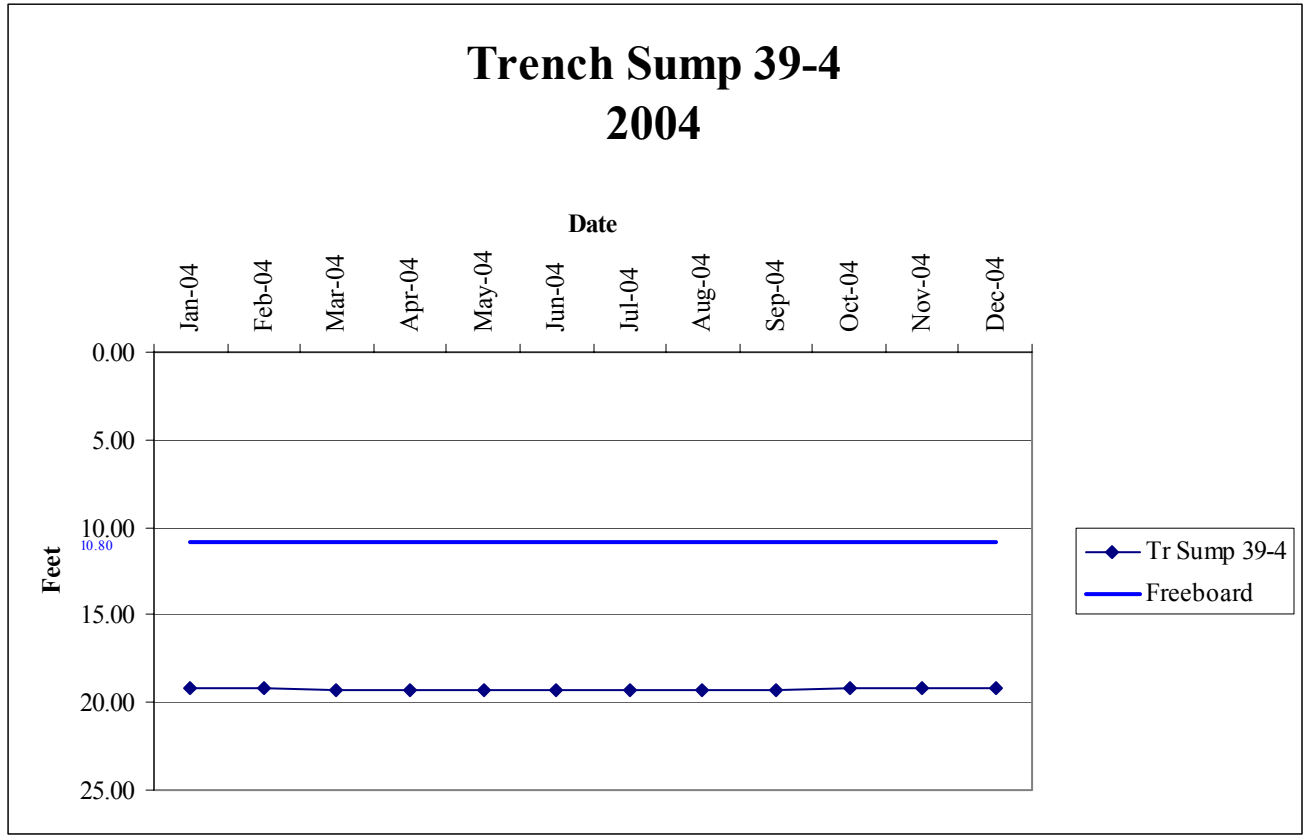
ANNUAL REPORT
 Maxey Flats Disposal Site
 2004

TRENCH SUMP LIQUID LEVEL CHARTS



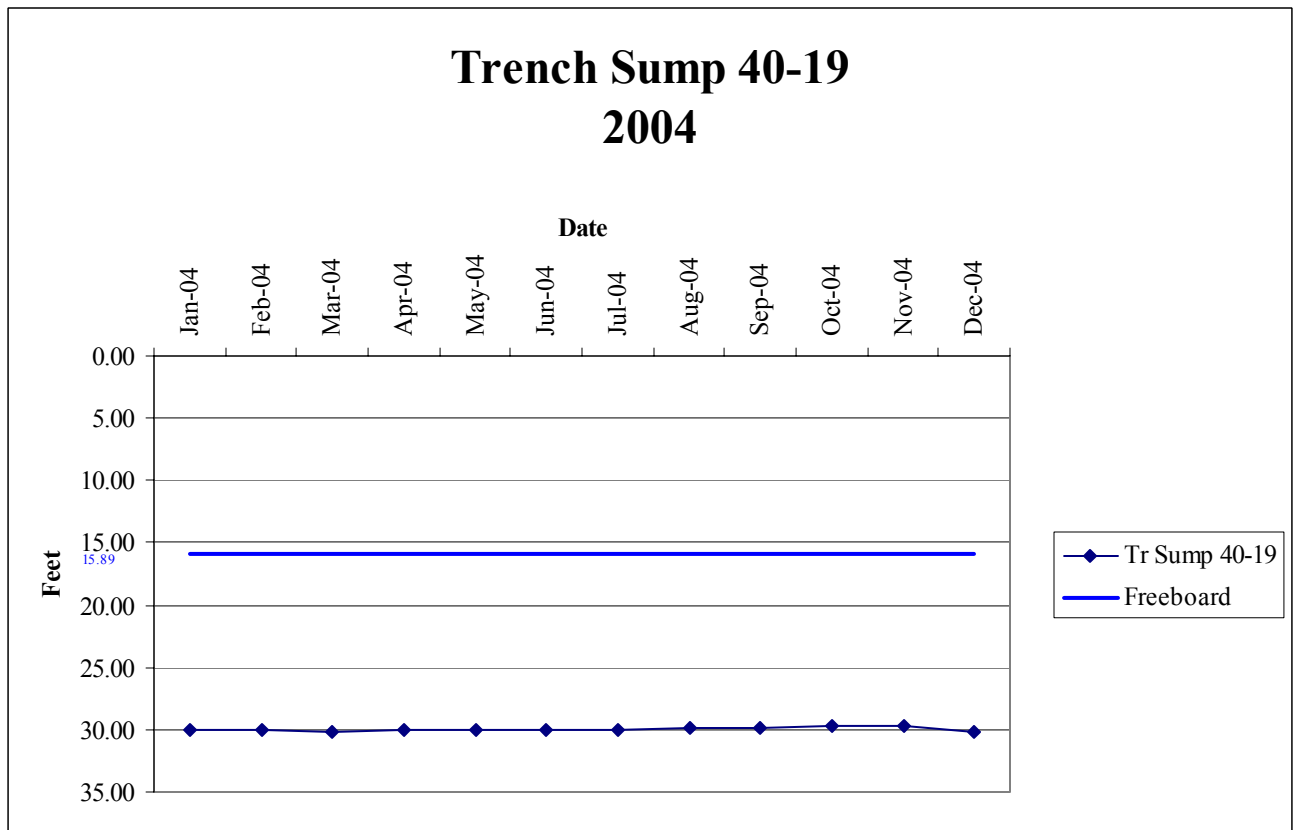
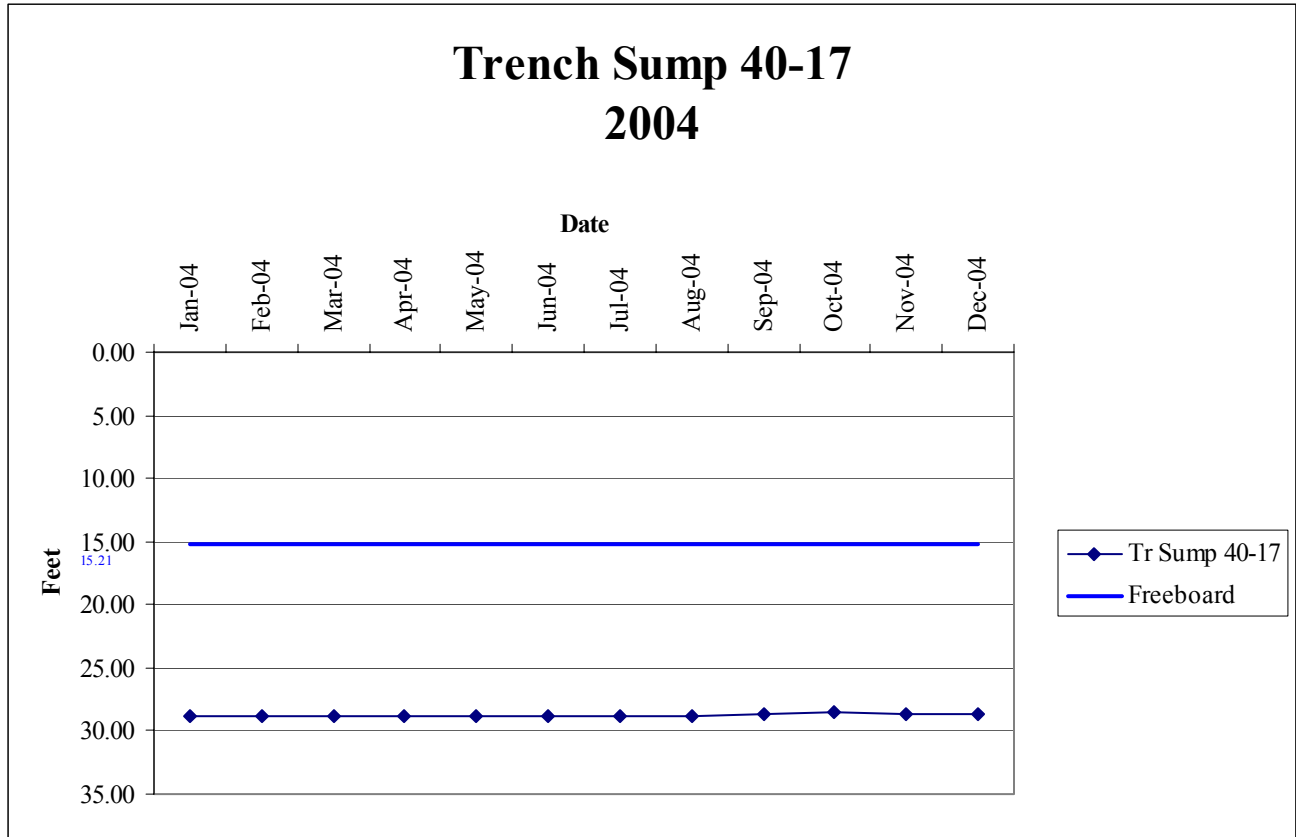
ANNUAL REPORT
Maxey Flats Disposal Site
2004

TRENCH SUMP LIQUID LEVEL CHARTS



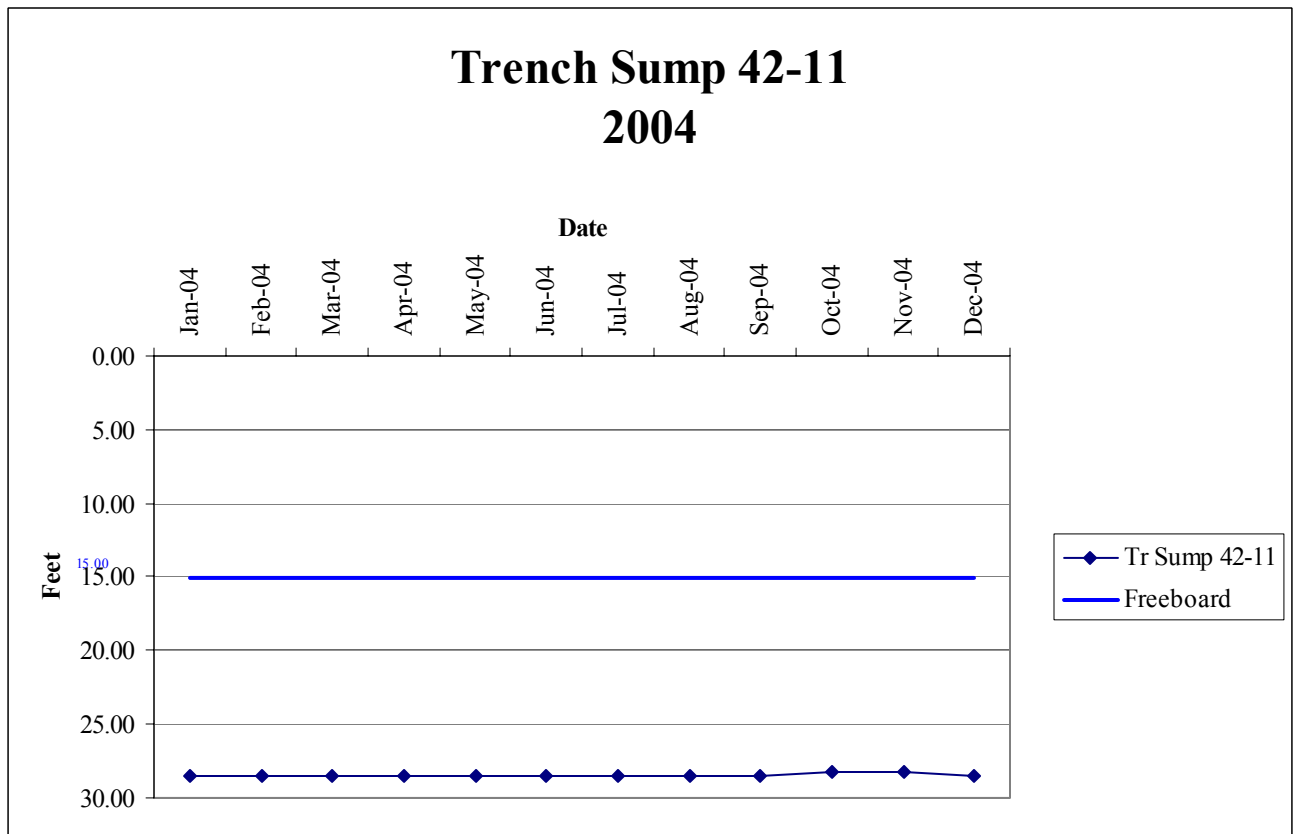
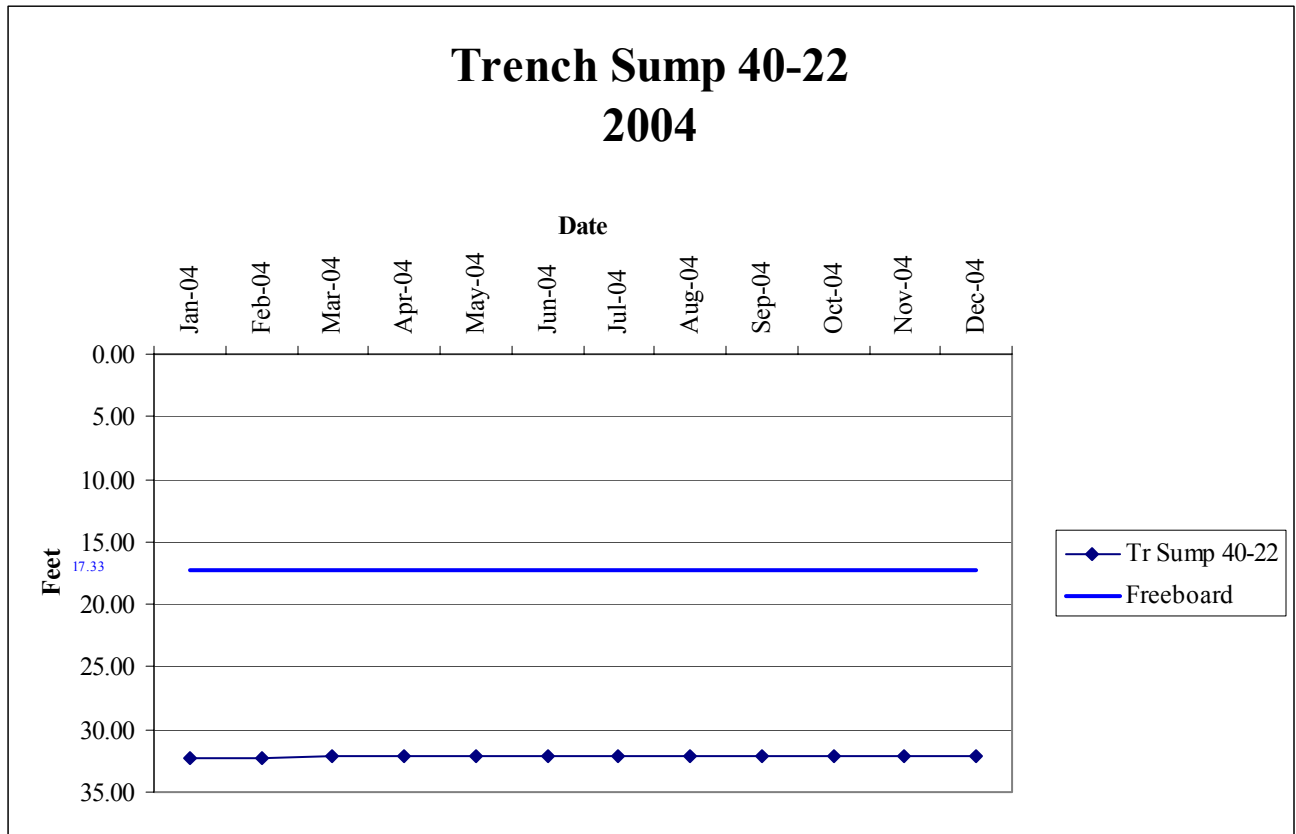
ANNUAL REPORT
Maxey Flats Disposal Site
2004

TRENCH SUMP LIQUID LEVEL CHARTS



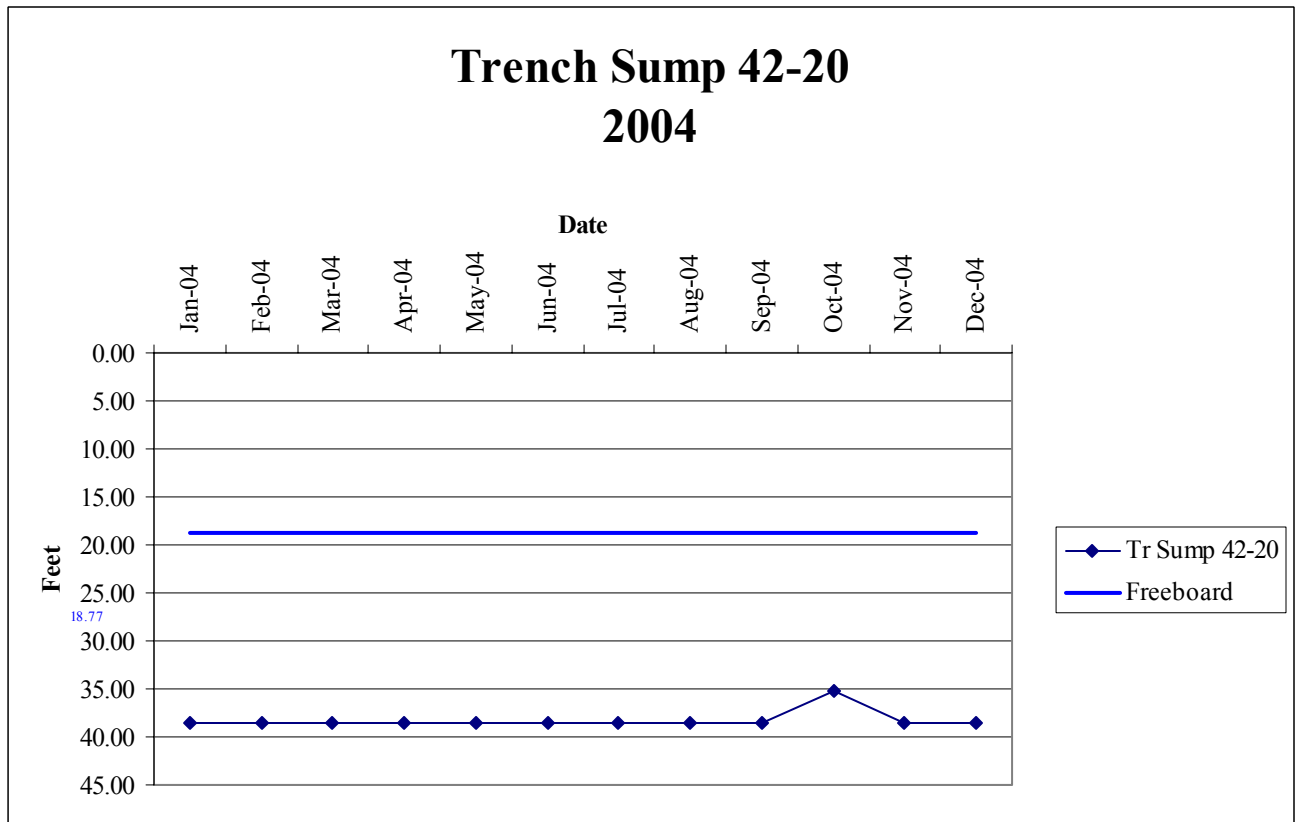
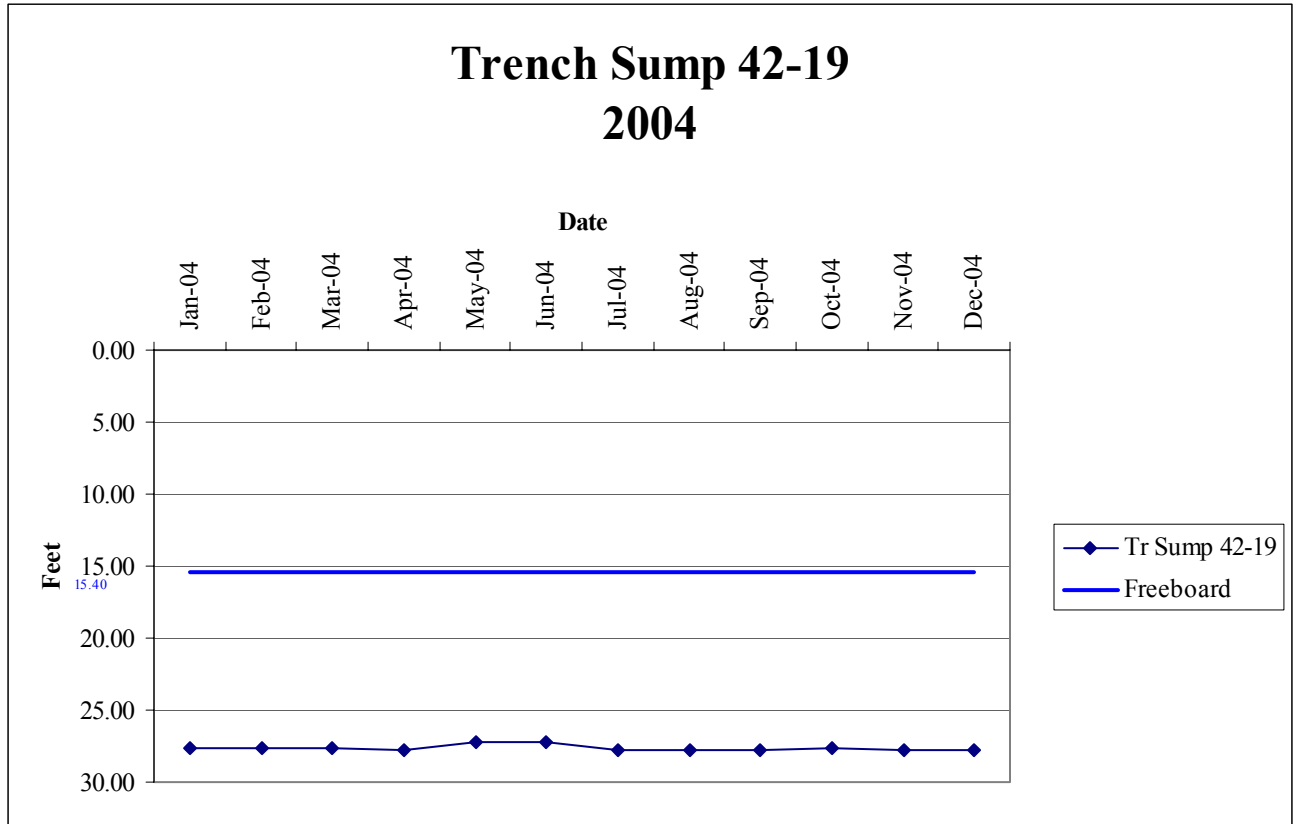
ANNUAL REPORT
Maxey Flats Disposal Site
2004

TRENCH SUMP LIQUID LEVEL CHARTS



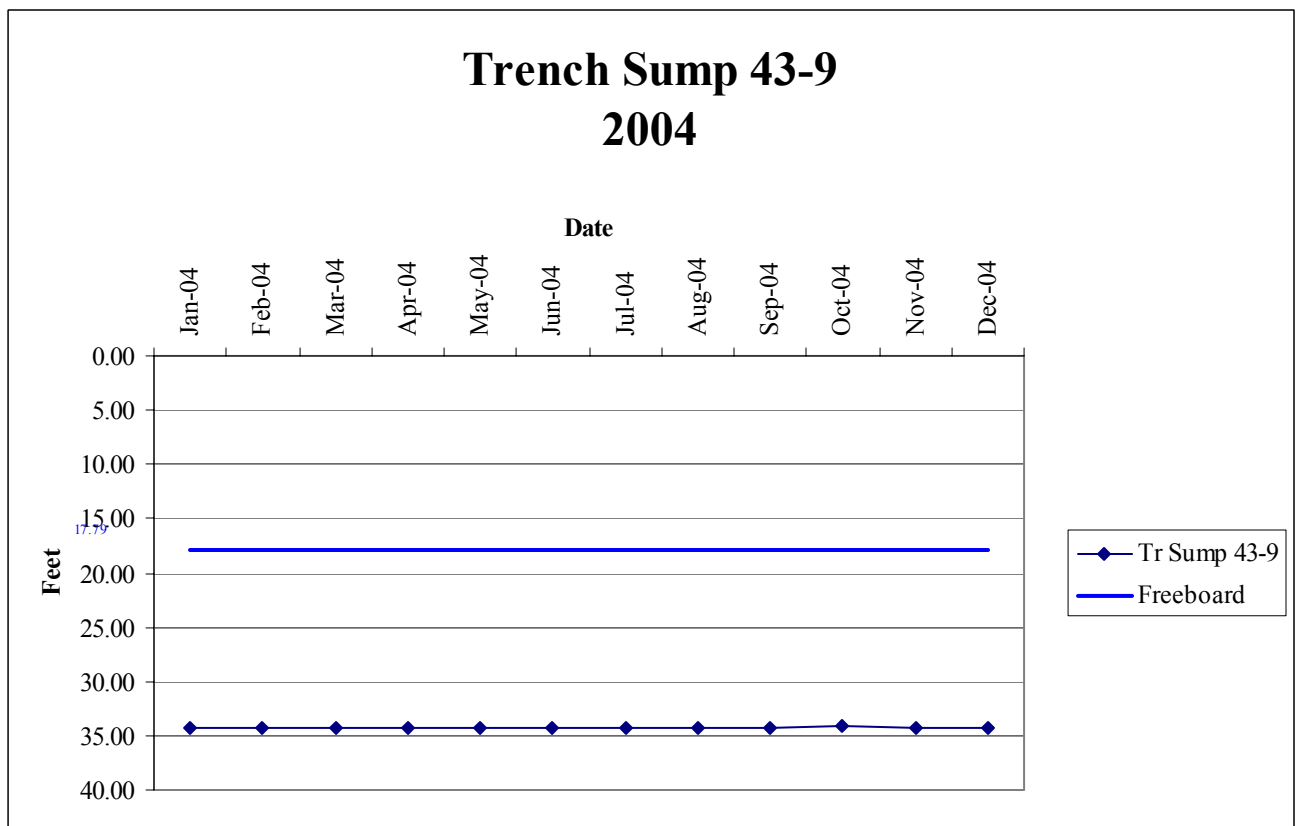
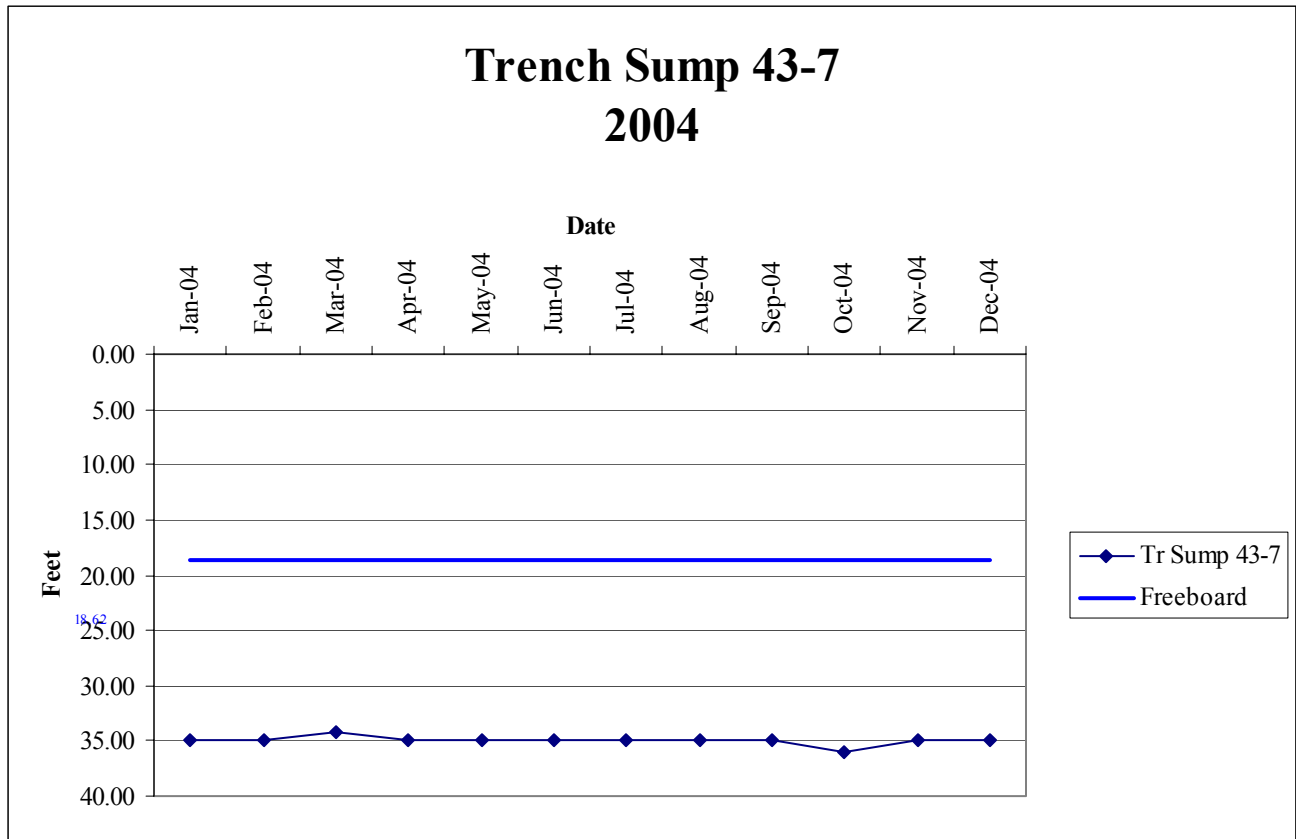
ANNUAL REPORT
 Maxey Flats Disposal Site
 2004

TRENCH SUMP LIQUID LEVEL CHARTS



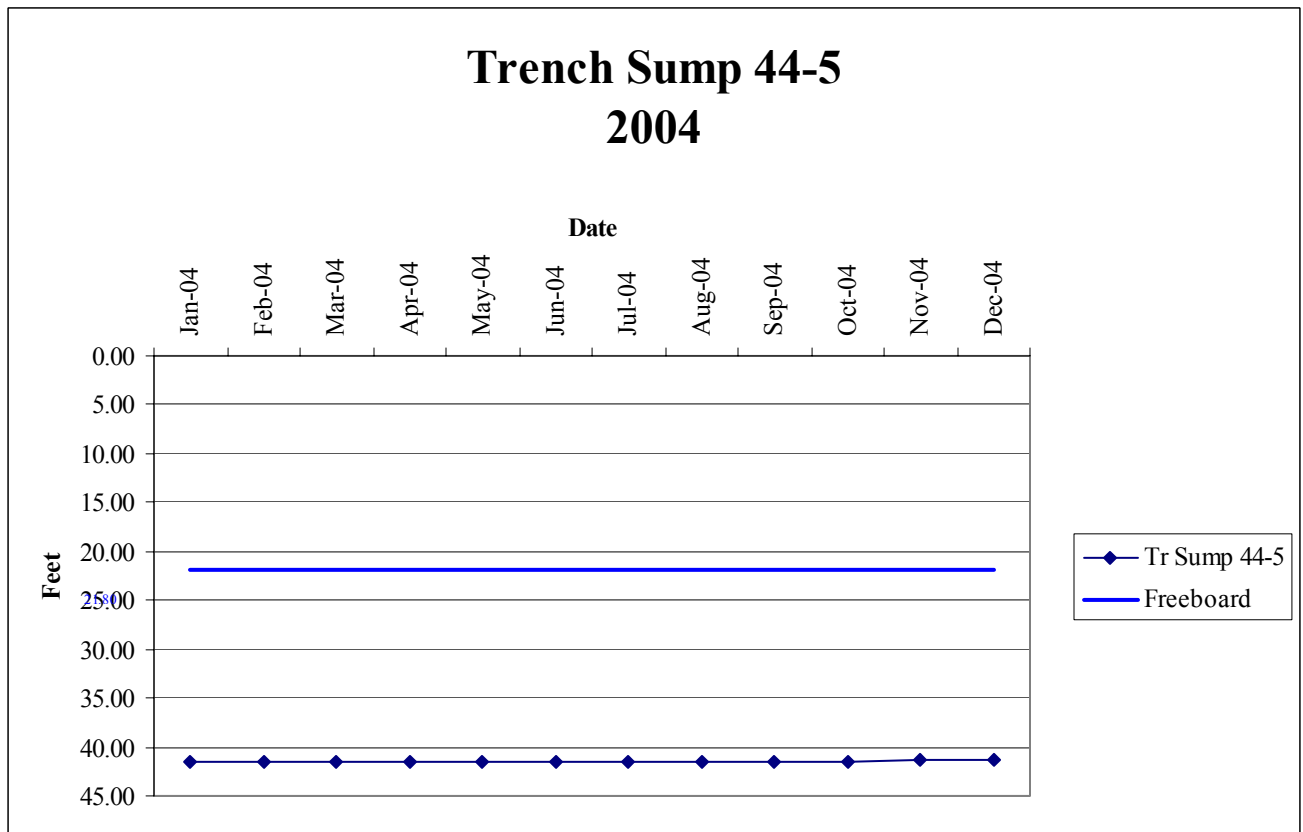
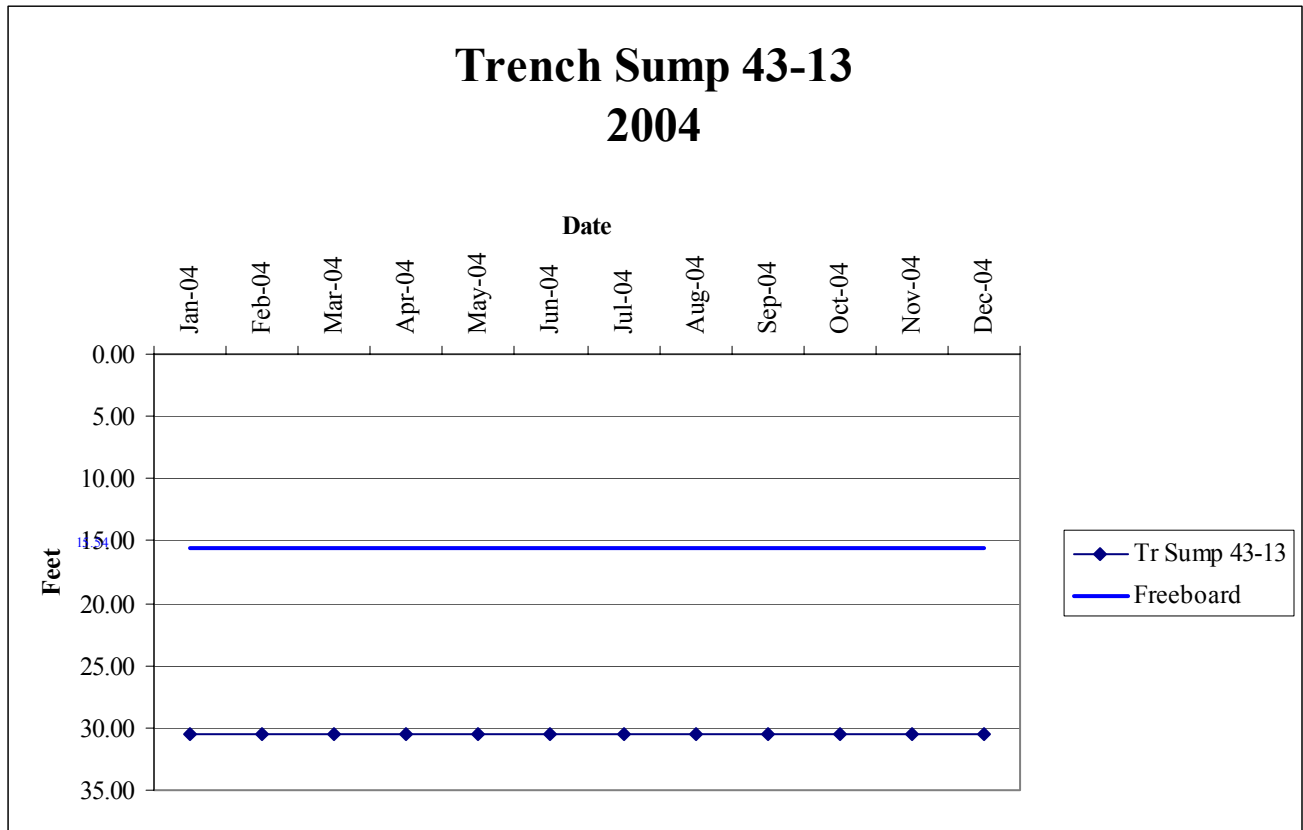
ANNUAL REPORT
 Maxey Flats Disposal Site
 2004

TRENCH SUMP LIQUID LEVEL CHARTS



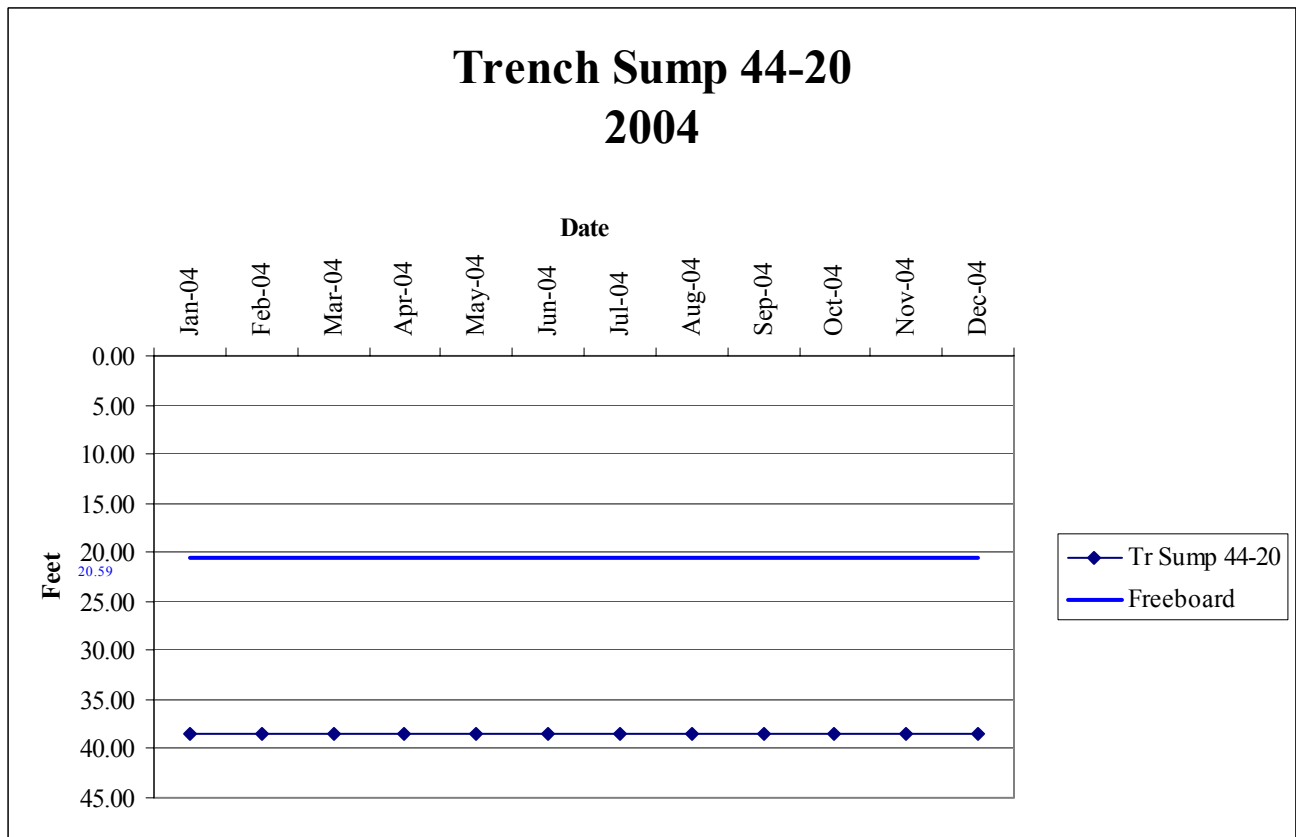
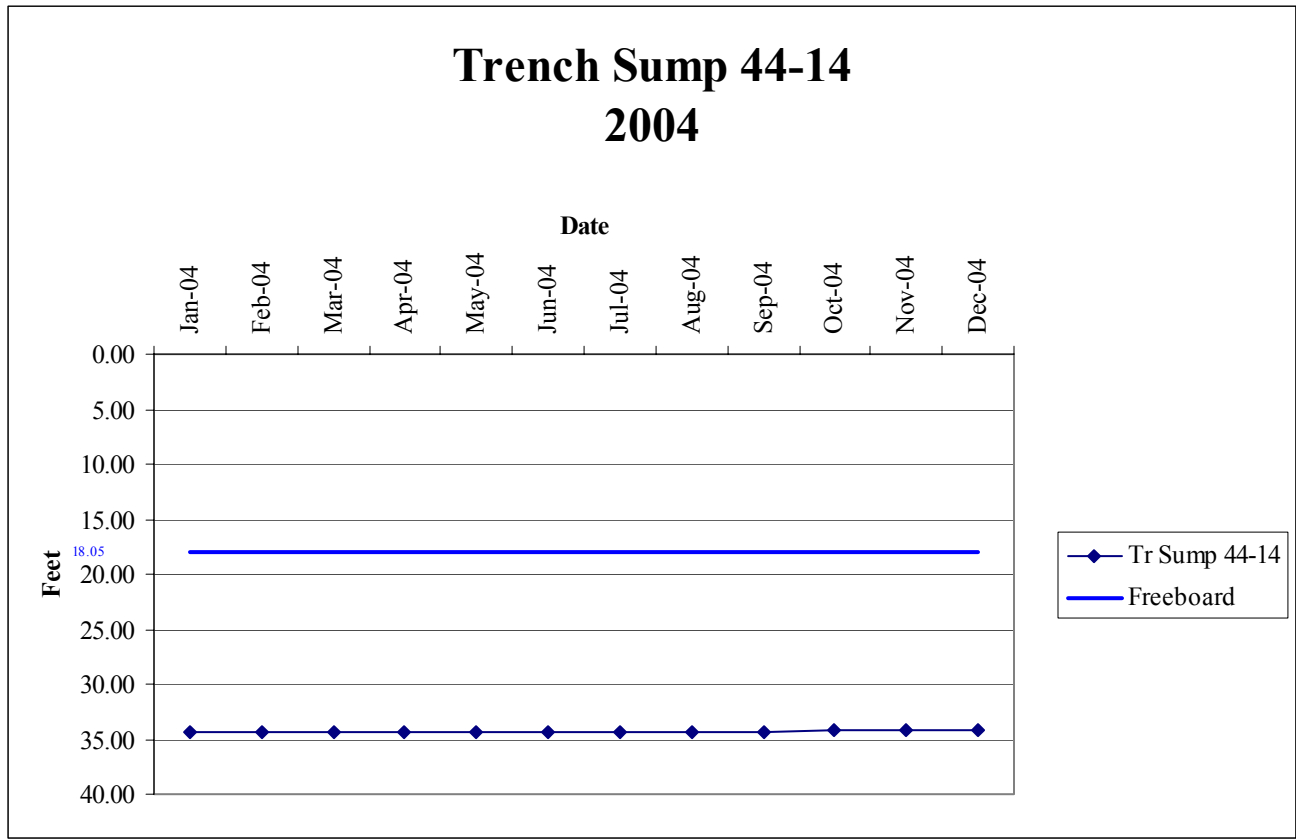
ANNUAL REPORT
Maxey Flats Disposal Site
2004

TRENCH SUMP LIQUID LEVEL CHARTS



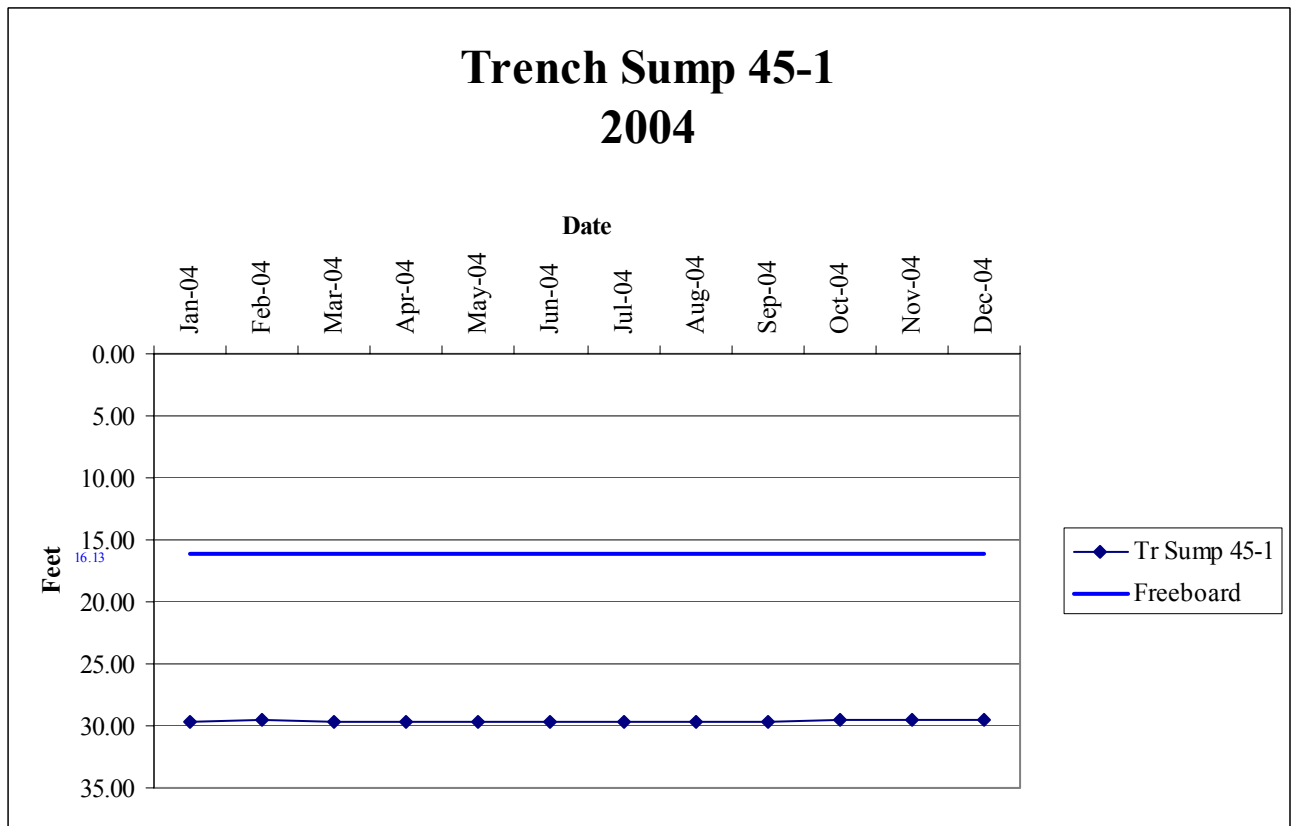
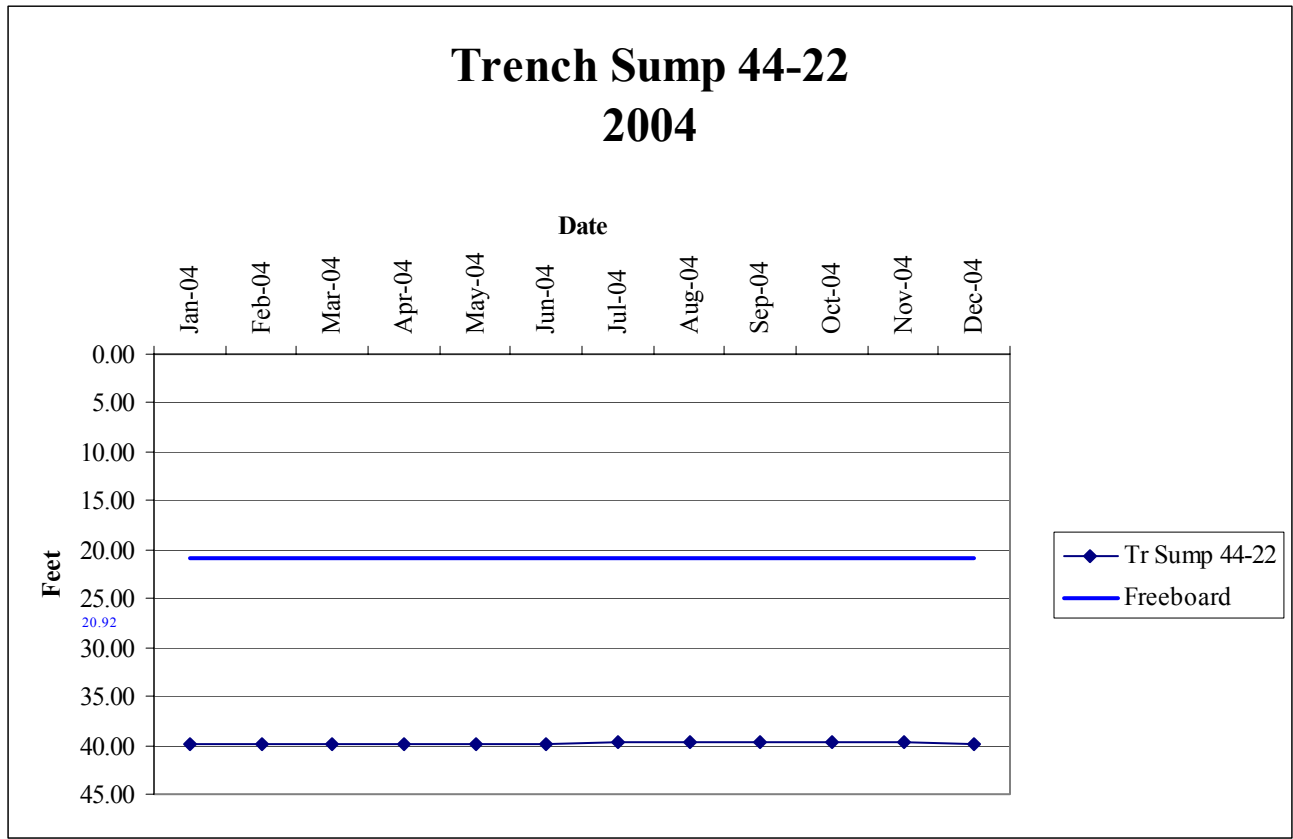
ANNUAL REPORT
 Maxey Flats Disposal Site
 2004

TRENCH SUMP LIQUID LEVEL CHARTS



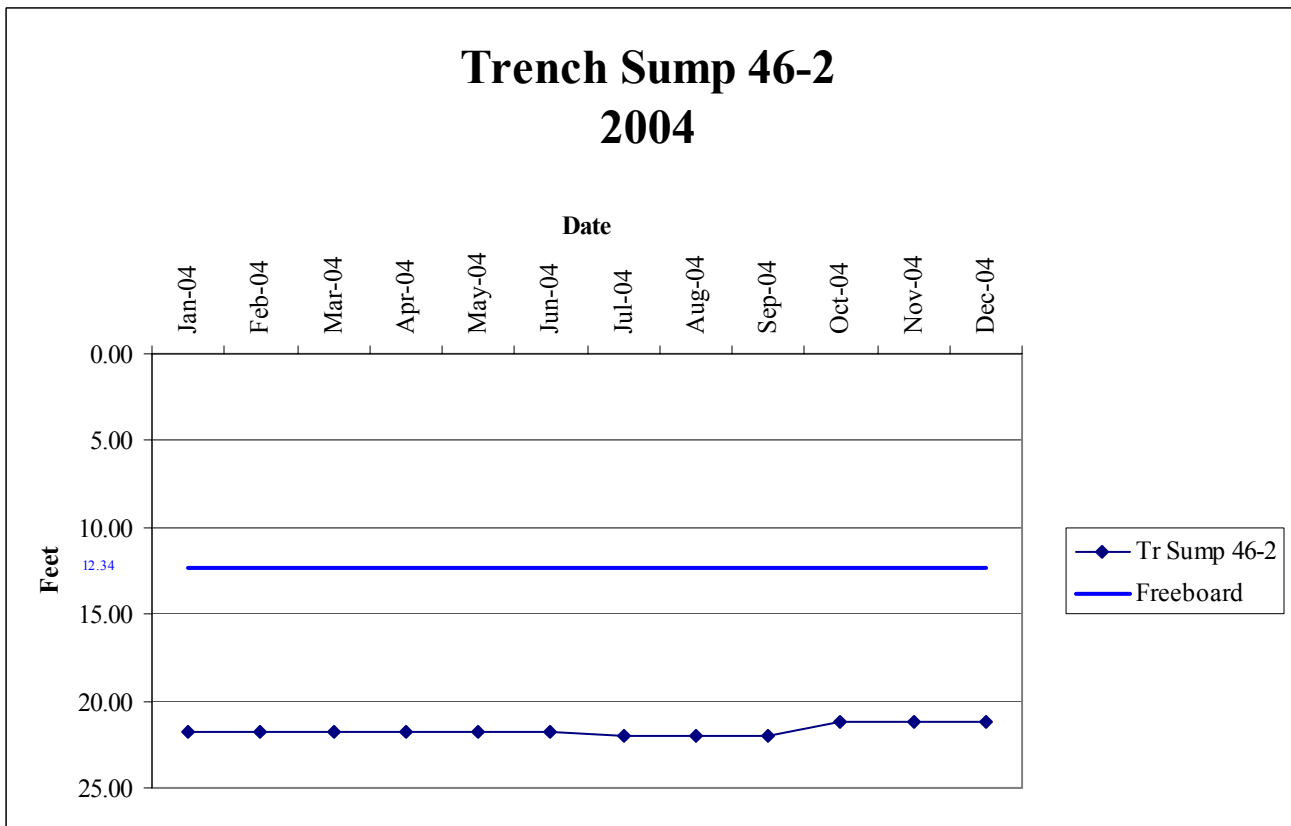
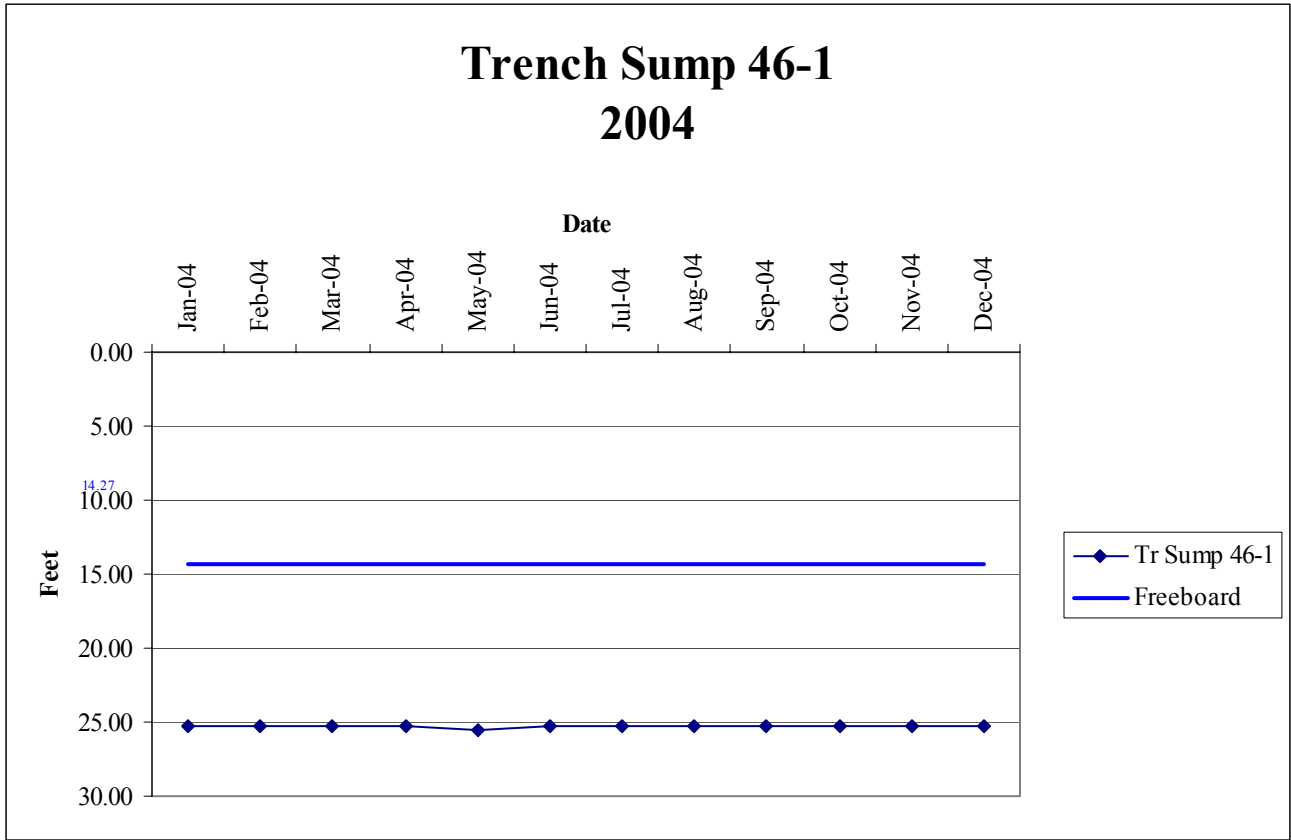
ANNUAL REPORT
 Maxey Flats Disposal Site
 2004

TRENCH SUMP LIQUID LEVEL CHARTS



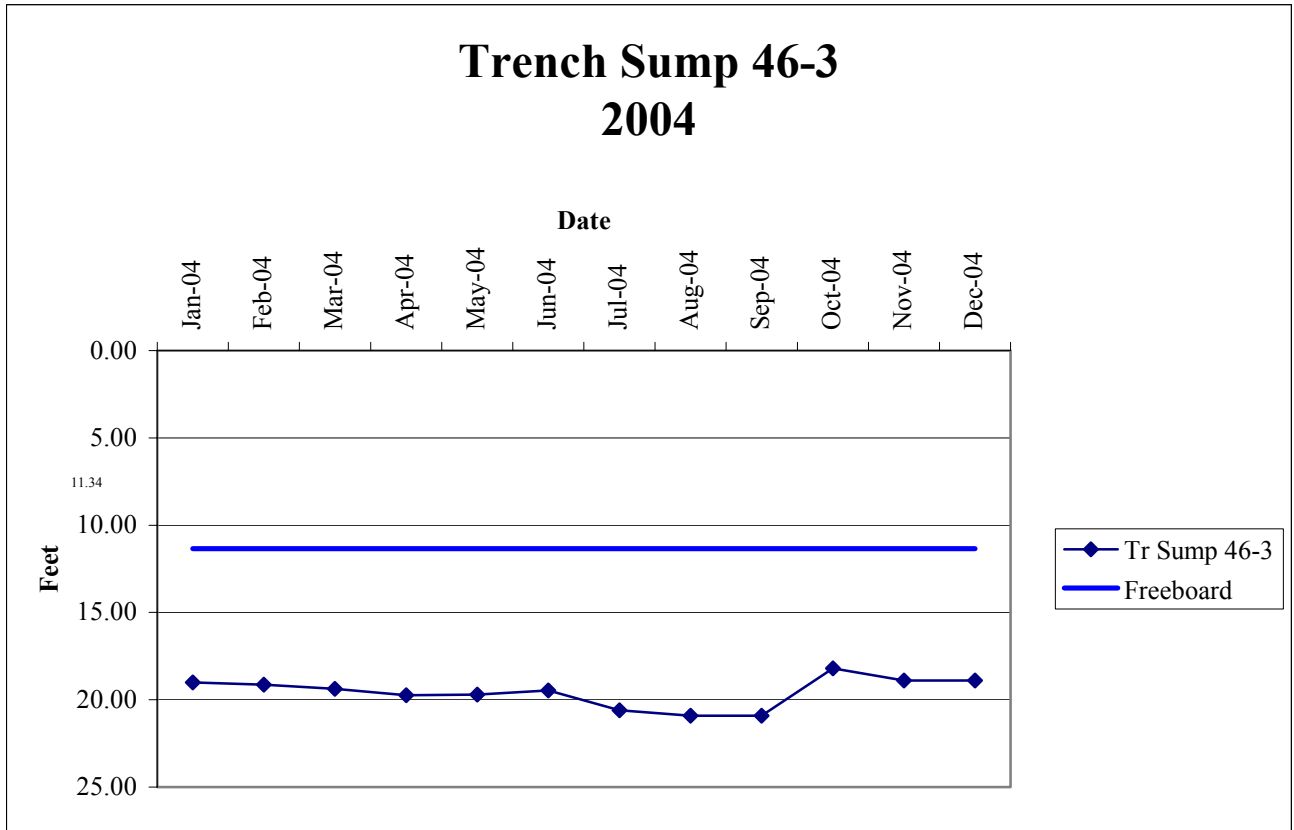
ANNUAL REPORT
Maxey Flats Disposal Site
2004

TRENCH SUMP LIQUID LEVEL CHARTS



ANNUAL REPORT
Maxey Flats Disposal Site
2004

TRENCH SUMP LIQUID LEVEL CHARTS



ANNUAL REPORT
Maxey Flats Disposal Site
2004

APPENDIX I2

MAXEY FLATS DISPOSAL SITE
LEACHATE LEVEL MEASUREMENTS
2004

ANNUAL REPORT
Maxey Flats Disposal Site
2004

TRENCH SUMP
LEACHATE LEVEL MEASUREMENTS

| SUMP ID # | Top of Casing to Bottom | Elevation top of casing | Elevation to bottom | Top of Casing to Liquid | | | | | | | | | | | |
|--------------|----------------------------|----------------------------|------------------------|-------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | Jan-04 | Feb-04 | Mar-04 | Apr-04 | May-04 | Jun-04 | Jul-04 | Aug-04 | Sep-04 | Oct-04 | Nov-04 | Dec-04 |
| 1-2 | 21.70 | 1056.17 | 1034.47 | 19.25 | 19.25 | 19.30 | 19.38 | 19.32 | 19.35 | 19.33 | 19.33 | 19.36 | 19.30 | 19.29 | 19.31 |
| 2-6 | 26.30 | 1057.55 | 1031.24 | 20.93 | 20.91 | 20.94 | 20.95 | 20.89 | 20.91 | 20.88 | 20.83 | 20.83 | 20.60 | 20.71 | 20.75 |
| 3-2 | 24.30 | 1059.5 | 1035.18 | 22.94 | 22.94 | 22.96 | 23.02 | 22.99 | 22.99 | 23.00 | 22.97 | 22.95 | 22.80 | 22.80 | 22.31 |
| 3-4 | 18.00 | 1054.41 | 1036.96 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 16.00 | 15.80 | 16.00 | 16.00 |
| 7-4 | 15.80 | 1052.41 | 1036.7 | 14.39 | 14.26 | 14.29 | 13.91 | 13.83 | 13.78 | 13.70 | 13.58 | 13.53 | 12.90 | 12.90 | 13.31 |
| 7-5 | 22.40 | 1057.98 | 1035.4 | 18.54 | 18.57 | 18.59 | 18.66 | 18.66 | 18.67 | 18.69 | 18.70 | 18.70 | 18.70 | 18.70 | 18.71 |
| 7-7 | 23.20 | 1059.12 | 1036.22 | 19.62 | 19.58 | 19.60 | 19.76 | 19.76 | 19.77 | 19.71 | 19.81 | 19.80 | 19.80 | 19.80 | 19.85 |
| 10-7 | 29.20 | 1060.3 | 1028.82 | 27.92 | 27.93 | 27.71 | 27.24 | 27.19 | 27.23 | 27.28 | 27.40 | 27.44 | 27.60 | 27.80 | 27.90 |
| 10-8 | 29.20 | 1058.7 | 1030.48 | 27.66 | 27.61 | 27.68 | 27.71 | 27.66 | 27.71 | 27.71 | 27.72 | 27.72 | 27.60 | 27.70 | 27.75 |
| 10-9 | 27.70 | 1054.9 | 1027.2 | 25.71 | 25.65 | 25.69 | 25.68 | 25.65 | 25.66 | 25.64 | 25.61 | 25.60 | 25.40 | 25.51 | 25.60 |
| 11S-5 | 23.10 | 1057.1 | 1033.93 | 20.96 | 20.98 | 20.97 | 21.02 | 21.00 | 21.04 | 20.98 | 20.95 | 20.91 | 20.90 | 20.91 | 20.90 |
| 11S-6 | 27.10 | 1063.2 | 1036.5 | 24.16 | 24.10 | 24.18 | 24.23 | 24.22 | 24.25 | 24.24 | 24.24 | 24.24 | 24.10 | 24.20 | 24.18 |
| 15-4 | 27.60 | 1062 | 1034.42 | 26.67 | 26.62 | 26.63 | 26.69 | 26.65 | 26.67 | 26.68 | 26.67 | 26.68 | 26.60 | 26.60 | 26.60 |
| 15-5 | 26.50 | 1061.2 | 1034.7 | 25.15 | 25.14 | 25.15 | 25.11 | 25.12 | 25.10 | 25.05 | 25.05 | 25.03 | 25.00 | 25.00 | 24.97 |
| 15-6 | 32.50 | 1059.5 | 1027.1 | 28.65 | 28.62 | 28.60 | 28.63 | 28.64 | 28.63 | 28.63 | 28.61 | 28.61 | 28.60 | 28.58 | 28.60 |
| 15-8 | 23.80 | 1055.8 | 1032.25 | 22.52 | 22.48 | 22.58 | 22.78 | 22.82 | 22.84 | 22.85 | 22.82 | 22.81 | 22.40 | 22.41 | 22.52 |
| 18-6 | 31.20 | 1065.5 | 1034.08 | 30.57 | 30.54 | 30.56 | 30.56 | 30.55 | 30.56 | 30.55 | 30.50 | 30.55 | 30.40 | 30.53 | 30.53 |
| 18-9 | 22.40 | 1059.6 | 1037.5 | 22.03 | 22.03 | 22.03 | 22.02 | 22.00 | 22.02 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 | 22.00 |
| 19-5 | 30.50 | 1063.3 | 1032.81 | 28.97 | 28.96 | 29.01 | 29.02 | 28.95 | 28.99 | 28.99 | 28.97 | 28.99 | 28.80 | 29.00 | 29.02 |
| 19-6 | 25.90 | 1058.74 | 1033.3 | 23.50 | 23.49 | 23.50 | 23.49 | 23.47 | 23.47 | 23.45 | 23.43 | 23.43 | 23.20 | 23.24 | 23.25 |
| 19-7 | 32.10 | 1064.3 | 1032 | 30.21 | 30.19 | 30.19 | 30.17 | 30.14 | 30.15 | 30.13 | 30.12 | 30.11 | 30.10 | 30.08 | 30.10 |
| 20W | 29.30 | 1065.6 | 1036.17 | 28.10 | 28.07 | 28.10 | 28.12 | 28.04 | 28.07 | 28.12 | 28.10 | 28.12 | 27.90 | 28.10 | 28.05 |
| 20-7 | 33.00 | 1063.3 | 1030.4 | 29.95 | 29.97 | 29.98 | 29.99 | 29.99 | 29.97 | 29.97 | 29.97 | 29.97 | 29.80 | 29.94 | 29.91 |
| 20-9 | 30.80 | 1065.4 | 1034.37 | 30.36 | 30.34 | 30.36 | 30.36 | 30.32 | 30.36 | 30.33 | 30.33 | 30.34 | 30.10 | 30.33 | 30.28 |
| 20-11 | 24.70 | 1059.08 | 1034.42 | 24.14 | 24.14 | 24.18 | 24.22 | 24.16 | 24.17 | 24.19 | 24.17 | 24.20 | 24.20 | 24.24 | 24.25 |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

TRENCH SUMP
LEACHATE LEVEL MEASUREMENTS

| SUMP ID # | Top of Casing to Bottom | Elevation top of casing | Elevation to bottom | Top of Casing to Liquid | | | | | | | | | | | |
|-----------|-------------------------|-------------------------|---------------------|-------------------------|--------|--------|-------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | Jan-04 | Feb-04 | Mar-04 | Apr-04 | May-04 | Jun-04 | Jul-04 | Aug-04 | Sep-04 | Oct-04 | Nov-04 | Dec-04 |
| 23-5 | 32.50 | 1063.7 | 1030.83 | 31.18 | 31.00 | 31.18 | 31.18 | 31.20 | 31.18 | 31.14 | 31.13 | 31.13 | 31.10 | 31.06 | 31.06 |
| 23-6 | 32.10 | 1064.3 | 1032.25 | 30.93 | 30.68 | 30.77 | 30.96 | 30.94 | 30.94 | 30.94 | 30.92 | 30.93 | 30.80 | 30.84 | 30.84 |
| 23-9 | 24.40 | 1059.1 | 1034.72 | 24.30 | 24.39 | 24.39 | 24.39 | 24.39 | 24.38 | 24.38 | 24.38 | 24.37 | 24.10 | 24.37 | 24.36 |
| 24-5 | 24.80 | 1058.9 | 1034.04 | 23.38 | 23.38 | 23.39 | 23.41 | 23.38 | 23.40 | 23.39 | 23.37 | 23.38 | 23.30 | 23.36 | 23.37 |
| 24-6 | 26.90 | 1062.4 | 1035.4 | 26.70 | 26.69 | 26.69 | 26.69 | 26.70 | 26.69 | 26.70 | 26.69 | 26.69 | 26.40 | 26.69 | 26.68 |
| 25-5 | 24.80 | 1059.8 | 1036 | 23.07 | 23.07 | 23.07 | 23.17 | 23.09 | 23.11 | 23.10 | 23.03 | 23.13 | 23.20 | 23.21 | 23.20 |
| 25-7 | 25.70 | 1060.7 | 1035.05 | 25.32 | 25.25 | 25.30 | 25.33 | 25.21 | 25.26 | 25.25 | 25.27 | 25.29 | 25.00 | 25.26 | 25.25 |
| 25-9 | 23.30 | 1057 | 1034 | 22.46 | 22.45 | 22.53 | 22.64 | 22.62 | 22.66 | 22.66 | 22.64 | 22.64 | 22.60 | 22.51 | 22.47 |
| 26-2 | 30.10 | 1059.3 | 1029.15 | 28.08 | 28.08 | 28.07 | 28.05 | 28.04 | 28.04 | 28.01 | 27.99 | 27.99 | 27.90 | 27.91 | 27.95 |
| 26-3 | 28.30 | 1058.48 | 1030.17 | 26.90 | 26.78 | 26.79 | 26.85 | 26.82 | 26.83 | 26.82 | 26.81 | 26.81 | 26.70 | 26.78 | 26.78 |
| 26-4 | 23.60 | 1056.4 | 1033.14 | 21.84 | 21.84 | 21.85 | 21.85 | 21.90 | 21.90 | 21.88 | 21.90 | 21.90 | 21.90 | 21.92 | 21.91 |
| 27-9 | 35.70 | 1062.9 | 1026.24 | 27.42 | 27.35 | 27.32 | 27.39 | 27.34 | 27.34 | 27.33 | 27.28 | 27.28 | 27.20 | 27.19 | 27.15 |
| 27-11 | DRY | | | | | | Top of Casing to Bottom | | | | | | 25.50 | | |
| 28W | 27.50 | 1064.2 | 1036.67 | 25.94 | 25.94 | 25.96 | 25.97 | 25.96 | 25.97 | 25.96 | 25.91 | 25.92 | 26.00 | 25.94 | 25.95 |
| 28-6 | DRY | | | | | | Top of Casing to Bottom | | | | | | 27.20 | | |
| 28-11 | DRY | | | | | | Top of Casing to Bottom | | | | | | 26.80 | | |
| 28-12 | DRY | | | | | | Top of Casing to Bottom | | | | | | 26.40 | | |
| 29-5 | 27.80 | 1065.5 | 1037.8 | 27.80 | 27.79 | 27.79 | 27.79 | 27.79 | 27.79 | 27.79 | 27.79 | 27.79 | 27.50 | 27.78 | 27.80 |
| 29-6 | 25.80 | 1064.1 | 1038.1 | 25.61 | 25.61 | 25.60 | 25.61 | 25.61 | 25.60 | 25.60 | 25.60 | 25.59 | 25.60 | 25.60 | 25.59 |
| 29W | 27.10 | 1063.5 | 1036.82 | 25.00 | 25.14 | 25.18 | 25.27 | 25.20 | 25.19 | 25.13 | 25.10 | 25.06 | 25.00 | 25.00 | 24.97 |
| 30-4 | 23.30 | 1062.3 | 1038.85 | 23.01 | 23.01 | 23.01 | 23.01 | 22.99 | 23.03 | 23.01 | 23.01 | 23.01 | 23.10 | 23.00 | 23.01 |
| 30-8 | 30.00 | 1067.41 | 1037.41 | 29.35 | 29.32 | 29.35 | 29.40 | 29.40 | 29.43 | 29.50 | 29.55 | 29.57 | 29.70 | 29.60 | 29.58 |
| 30-10 | DRY | | | | | | Top of Casing to Bottom | | | | | | 29.20 | | |
| 31-2 | 26.30 | 1065.9 | 1040.03 | 25.16 | 25.14 | 25.15 | 25.21 | 25.17 | 25.21 | 25.20 | 25.20 | 25.16 | 25.10 | 25.10 | 25.00 |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

TRENCH SUMP
LEACHATE LEVEL MEASUREMENTS

| SUMP ID # | Top of Casing to Bottom | Elevation top of casing | Elevation to bottom | Top of Casing to Liquid | | | | | | | | | | | |
|-----------|-------------------------|-------------------------|---------------------|-------------------------|--------|--------|-------------------------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | Jan-04 | Feb-04 | Mar-04 | Apr-04 | May-04 | Jun-04 | Jul-04 | Aug-04 | Sep-04 | Oct-04 | Nov-04 | Dec-04 |
| 31-5 | 23.30 | 1062 | 1038.86 | 23.07 | 23.10 | 23.00 | 23.00 | 23.00 | 23.00 | 23.00 | 23.00 | 23.00 | 22.90 | 22.90 | 23.00 |
| 31-7 | 25.60 | 1065.3 | 1040.25 | 24.80 | 24.79 | 24.81 | 24.86 | 24.86 | 24.87 | 24.87 | 24.88 | 24.87 | 24.70 | 24.70 | 24.81 |
| 31-9 | 27.40 | 1066.4 | 1039.29 | 25.04 | 25.04 | 25.03 | 25.03 | 25.04 | 25.04 | 25.03 | 25.03 | 25.03 | 25.20 | 25.02 | 25.00 |
| 32-E | 29.40 | 1064.8 | 1035.54 | 29.34 | 29.33 | 29.34 | 29.34 | 29.35 | 29.35 | 29.34 | 29.34 | 29.34 | 29.00 | 29.34 | 29.33 |
| 32-9 | 29.50 | 1065.3 | 1035.71 | 28.65 | 28.63 | 28.60 | 28.67 | 28.58 | 28.58 | 28.63 | 28.62 | 28.64 | 28.90 | 28.64 | 28.64 |
| 35-2 | 29.60 | 1064.08 | 1034.19 | 27.38 | 27.42 | 27.45 | 27.52 | 27.51 | 27.56 | 27.51 | 27.50 | 27.49 | 27.60 | 27.46 | 27.49 |
| 35-6 | 28.50 | 1063.04 | 1034.41 | 27.45 | 27.44 | 27.44 | 27.43 | 27.41 | 27.42 | 27.40 | 27.40 | 27.39 | 27.40 | 27.29 | 27.29 |
| 36-3 | 22.20 | 1062.9 | 1039.97 | 20.75 | 20.76 | 20.77 | 20.83 | 20.80 | 20.81 | 20.79 | 20.77 | 20.76 | 20.80 | 20.72 | 20.73 |
| 36-6 | 27.10 | 1066.6 | 1039.35 | 23.81 | 23.81 | 23.82 | 23.86 | 23.75 | 23.75 | 23.75 | 23.70 | 23.70 | 23.90 | 23.90 | 24.00 |
| 36-7 | DRY | | | | | | Top of Casing to Bottom | | | | | | 22.50 | | |
| 37-3 | 24.40 | 1055.3 | 1030.92 | 22.86 | 22.85 | 22.86 | 22.88 | 22.90 | 22.85 | 22.84 | 22.81 | 22.83 | 22.90 | 22.78 | 22.80 |
| 37-4 | 23.50 | 1055.9 | 1032.28 | 23.50 | 23.50 | 23.56 | 23.56 | 23.55 | 23.56 | 23.56 | 23.56 | 23.56 | 23.50 | 23.55 | 23.55 |
| 38-4 | 22.90 | 1055.8 | 1034.05 | 21.82 | 21.80 | 21.83 | 21.88 | 21.89 | 21.23 | 21.64 | 21.47 | 21.78 | 21.70 | 21.59 | 21.72 |
| 38-5 | 23.30 | 1055.6 | 1032.06 | 21.40 | 21.40 | 21.40 | 21.43 | 21.40 | 21.42 | 21.38 | 21.37 | 21.40 | 21.30 | 21.31 | 21.31 |
| 39-1 | 22.30 | 1053.7 | 1031.7 | 20.75 | 20.76 | 20.75 | 20.87 | 20.87 | 20.88 | 19.19 | 19.18 | 19.20 | 19.20 | 19.16 | 19.20 |
| 39-4 | 19.20 | 1057 | 1037.81 | 19.20 | 19.20 | 19.24 | 19.24 | 19.25 | 19.34 | 19.24 | 19.27 | 19.30 | 19.20 | 19.20 | 19.20 |
| 40-14 | UNDER LINER | | | | | | | | | | | | | | |
| 40-15 | 21.40 | 1045 | 1025.6 | 21.41 | 21.41 | 21.41 | 21.41 | 21.41 | 21.42 | 21.41 | 21.41 | 21.41 | 21.30 | 21.40 | 21.40 |
| 40-17 | 30.30 | 1051.4 | 1021.08 | 28.75 | 28.75 | 28.76 | 28.76 | 28.75 | 28.75 | 28.75 | 28.75 | 28.74 | 28.50 | 28.72 | 28.71 |
| 40-19 | 33.40 | 1049.4 | 1022.4 | 30.10 | 30.09 | 30.11 | 30.09 | 30.06 | 30.06 | 30.05 | 29.81 | 29.85 | 29.70 | 29.70 | 30.13 |
| 40-22 | 35.40 | 1056.98 | 1021.1 | 32.24 | 32.24 | 32.20 | 32.20 | 32.17 | 32.19 | 32.14 | 32.14 | 32.12 | 32.10 | 32.13 | 32.15 |
| 42-7 | UNDER LINER | | | | | | | | | | | | | | |
| 42-11 | 32.20 | 1049.52 | 1017.72 | 28.48 | 28.48 | 28.48 | 28.49 | 28.45 | 28.46 | 28.46 | 28.45 | 28.45 | 28.20 | 28.23 | 28.49 |
| 42-19 | 31.10 | 1047.25 | 1016.41 | 27.66 | 27.67 | 27.67 | 27.72 | 27.22 | 27.22 | 27.71 | 27.72 | 27.72 | 27.70 | 27.71 | 27.75 |
| 42-20 | 39.20 | 1052.1 | 1016.9 | 38.50 | 38.50 | 38.55 | 38.54 | 38.54 | 38.55 | 38.55 | 38.55 | 38.55 | 35.30 | 38.54 | 38.55 |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

TRENCH SUMP
LEACHATE LEVEL MEASUREMENTS

| SUMP ID # | Top of Casing to Bottom | Elevation top of casing | Elevation to bottom | Top of Casing to Liquid | | | | | | | | | | | |
|--------------|----------------------------|----------------------------|------------------------|-------------------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | | | Jan-04 | Feb-04 | Mar-04 | Apr-04 | May-04 | Jun-04 | Jul-04 | Aug-04 | Sep-04 | Oct-04 | Nov-04 | Dec-04 |
| 43-7 | 37.30 | 1047.24 | 1010 | 34.93 | 34.93 | 34.24 | 34.96 | 34.95 | 34.97 | 34.97 | 34.98 | 34.98 | 36.00 | 34.97 | 34.98 |
| 43-9 | 36.70 | 1045.2 | 1008.93 | 34.22 | 34.20 | 34.24 | 34.27 | 34.27 | 34.28 | 34.29 | 34.29 | 34.30 | 34.10 | 34.30 | 34.32 |
| 43-10 | UNDER LINER | | | | | | | | | | | | | | |
| 43-12 | UNDER LINER | | | | | | | | | | | | | | |
| 43-13 | 32.50 | 1041.39 | 1008.5 | 30.47 | 30.46 | 30.52 | 30.55 | 30.54 | 30.55 | 30.55 | 30.57 | 30.57 | 30.50 | 30.56 | 30.57 |
| 44-3 | UNDER LINER | | | | | | | | | | | | | | |
| 44-5 | 43.50 | 1057.35 | 1013.71 | 41.47 | 41.46 | 41.44 | 41.46 | 41.45 | 41.45 | 41.44 | 41.45 | 41.45 | 41.50 | 41.42 | 41.40 |
| 44-8 | UNDER LINER | | | | | | | | | | | | | | |
| 44-14 | 34.60 | 1048.45 | 1013.83 | 34.34 | 34.35 | 34.35 | 34.35 | 34.35 | 34.35 | 34.34 | 34.30 | 34.30 | 34.10 | 34.10 | 34.10 |
| 44-20 | 39.30 | 1052.28 | 1013.1 | 38.47 | 38.43 | 38.47 | 38.48 | 38.45 | 38.55 | 38.47 | 38.47 | 38.48 | 38.40 | 38.45 | 38.45 |
| 44-22 | 40.90 | 1055.09 | 1014.17 | 39.85 | 39.85 | 39.88 | 39.85 | 39.81 | 39.81 | 39.75 | 39.75 | 39.77 | 39.70 | 39.76 | 39.79 |
| 45-1 | 35.20 | 1055.31 | 1020.33 | 29.60 | 29.58 | 29.60 | 29.60 | 29.63 | 29.63 | 29.60 | 29.60 | 29.60 | 29.50 | 29.52 | 29.53 |
| 46-1 | 27.50 | 1052.1 | 1026.45 | 25.26 | 25.29 | 25.30 | 25.31 | 25.59 | 25.29 | 25.30 | 25.30 | 25.30 | 25.30 | 25.32 | 25.30 |
| 46-2 | 24.80 | 1053.07 | 1028.46 | 21.82 | 21.82 | 21.82 | 21.80 | 21.80 | 21.77 | 22.03 | 22.00 | 22.00 | 21.20 | 21.20 | 21.21 |
| 46-3 | 37.30 | 1052.92 | 1015.27 | 19.01 | 19.13 | 19.37 | 19.74 | 19.70 | 19.47 | 20.60 | 20.92 | 20.92 | 18.20 | 18.91 | 18.90 |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

APPENDIX J

MAXEY FLATS DISPOSAL SITE
EAST DRAIN – EROSION MONITORING
2004

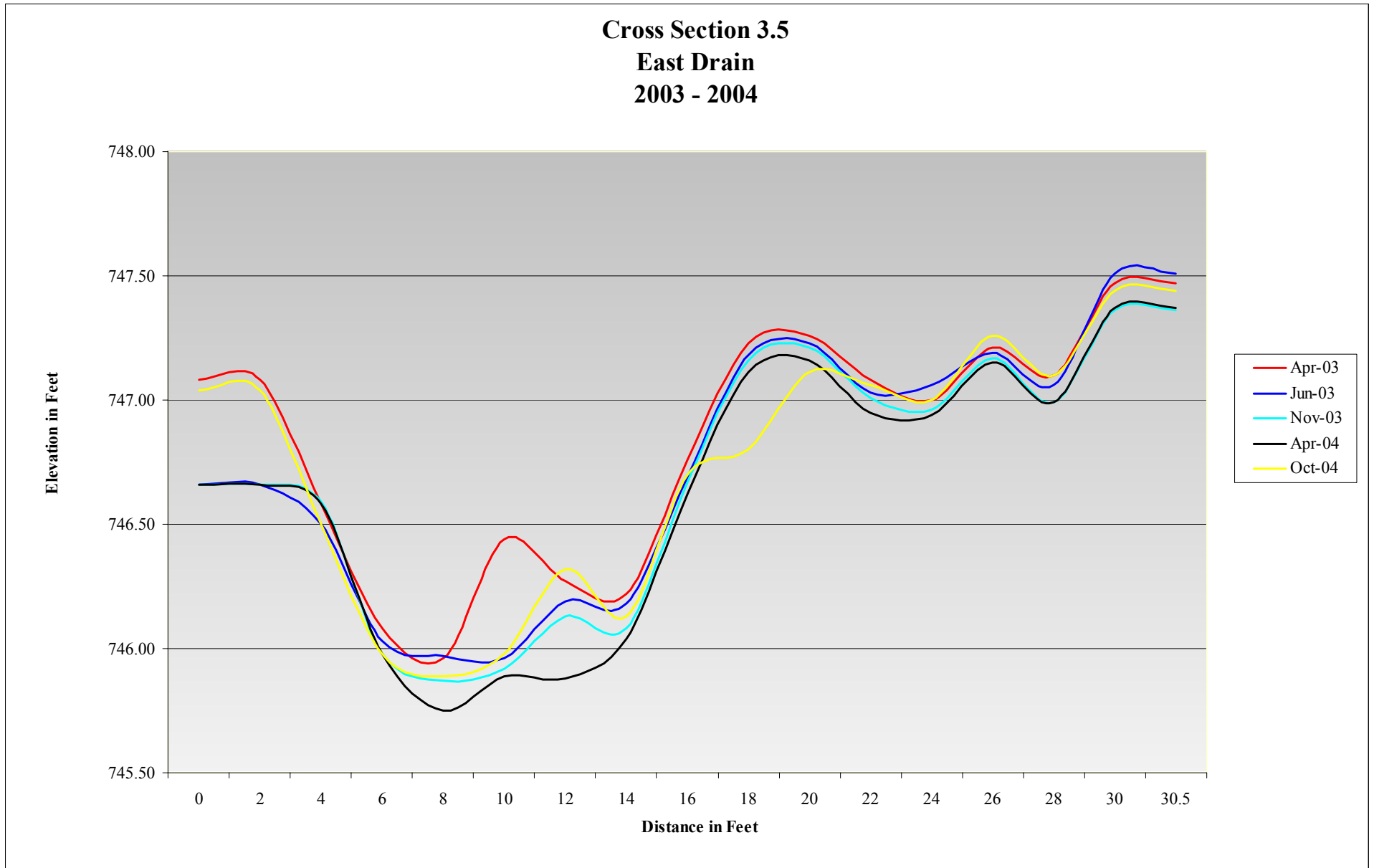
ANNUAL REPORT
Maxey Flats Disposal Site
2004

APPENDIX J1

**EAST DRAIN – EROSION MONITORING
CROSS-SECTION CHARTS
2004**

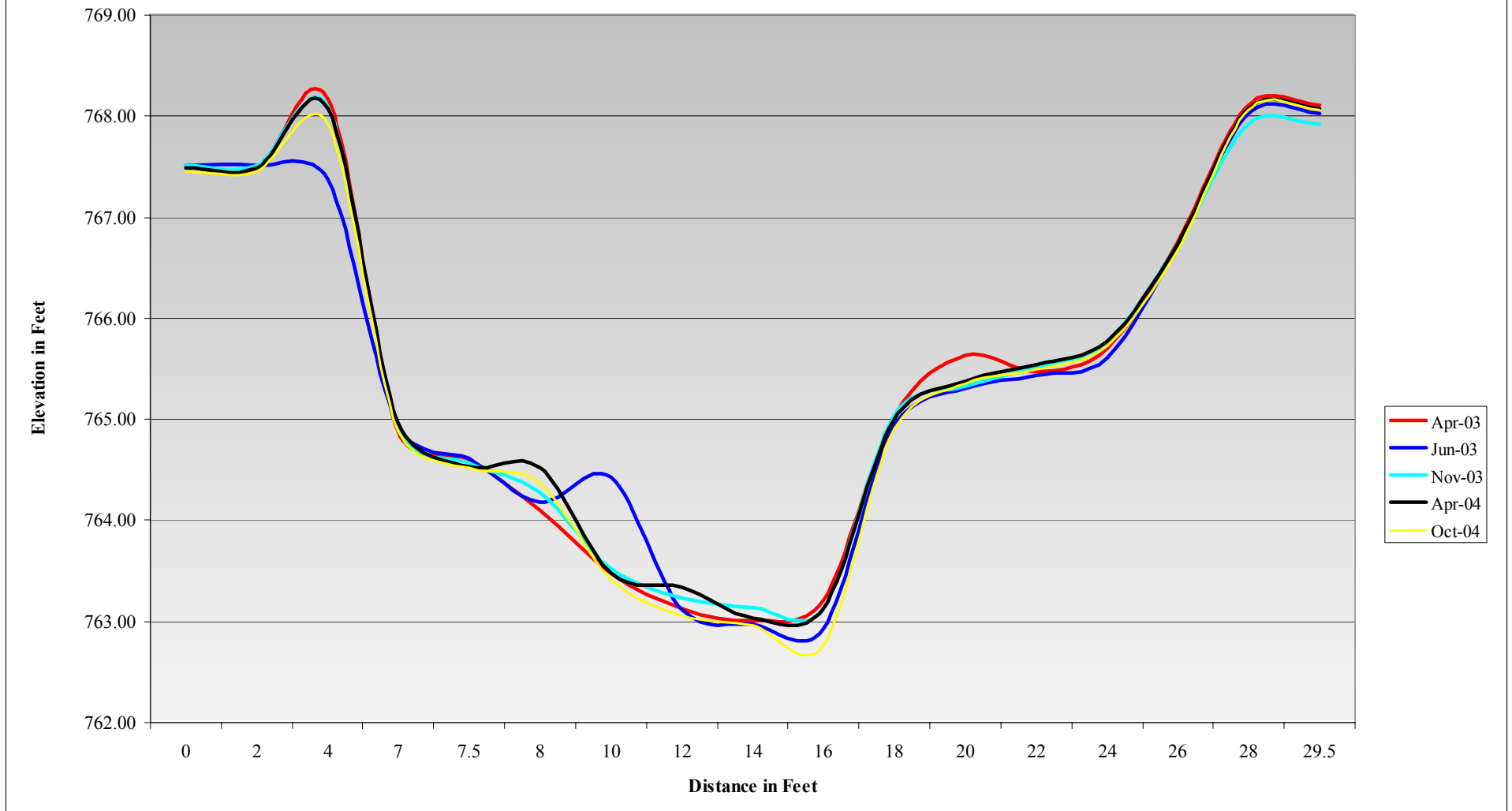
ANNUAL REPORT
Maxey Flats Disposal Site
2004

Cross Section 3.5
East Drain
2003 - 2004



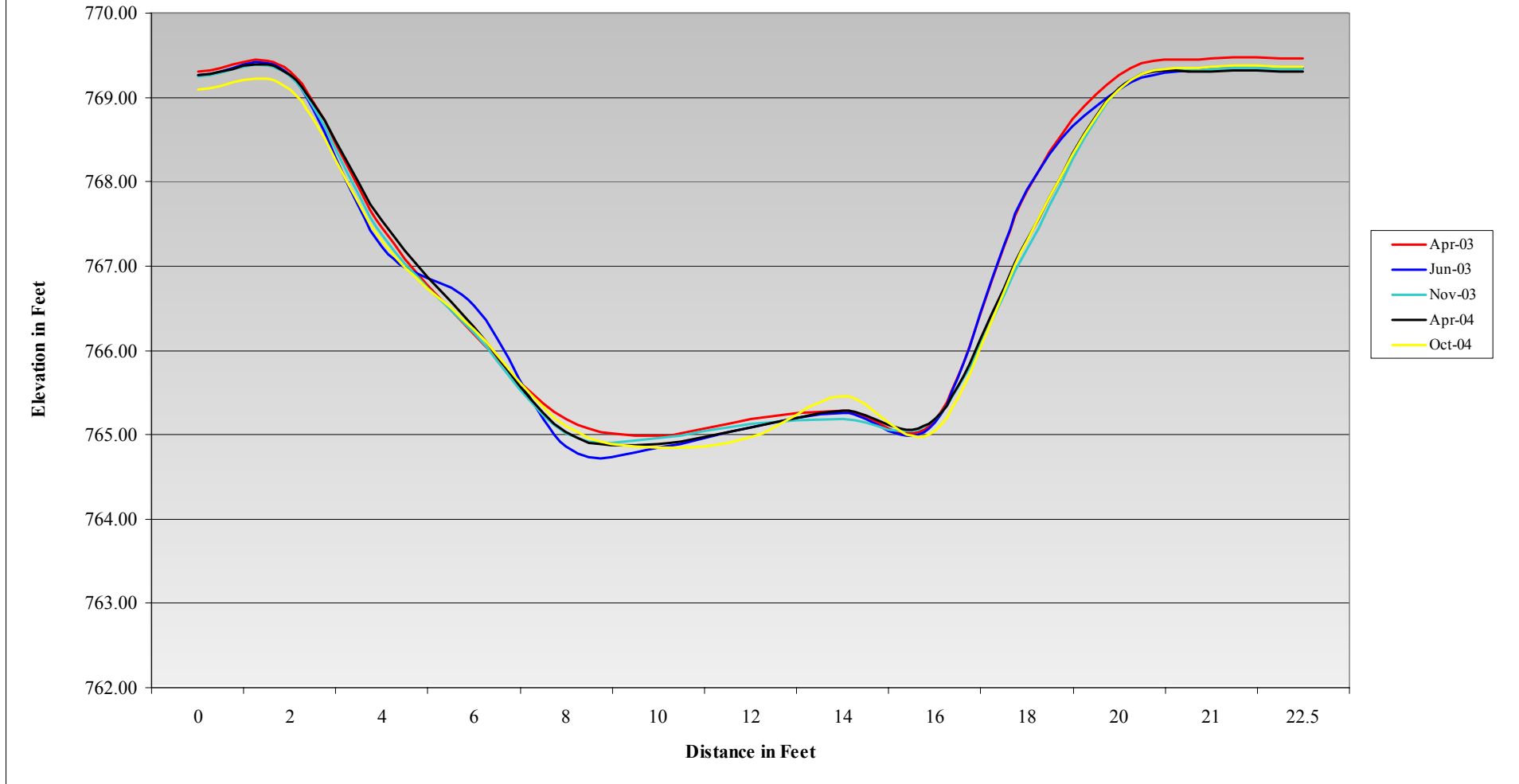
ANNUAL REPORT
Maxey Flats Disposal Site
2004

Cross Section 5.0
East Drain
2003 - 2004



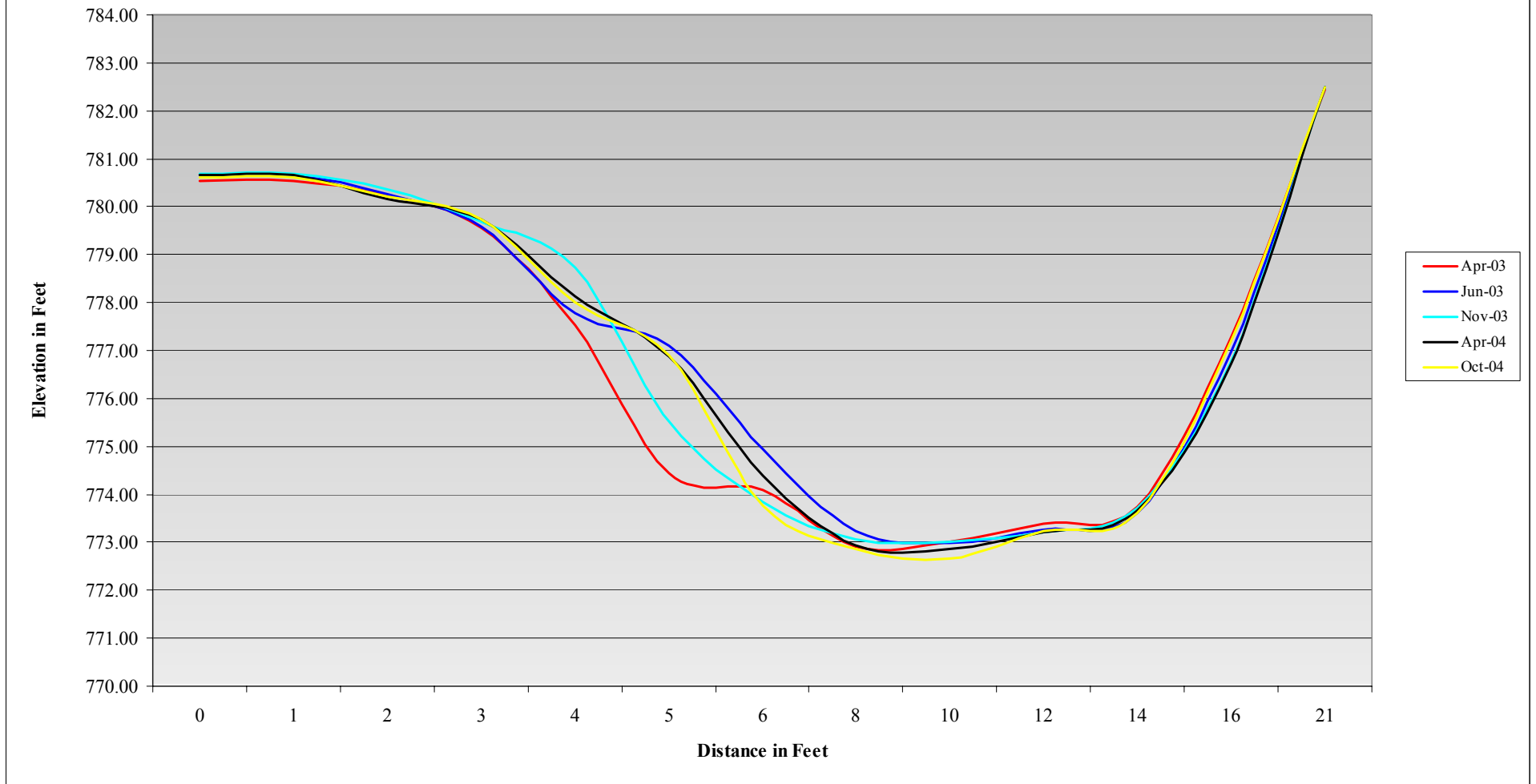
ANNUAL REPORT
Maxey Flats Disposal Site
2004

Cross Section 5.5
East Drain
2003 - 2004



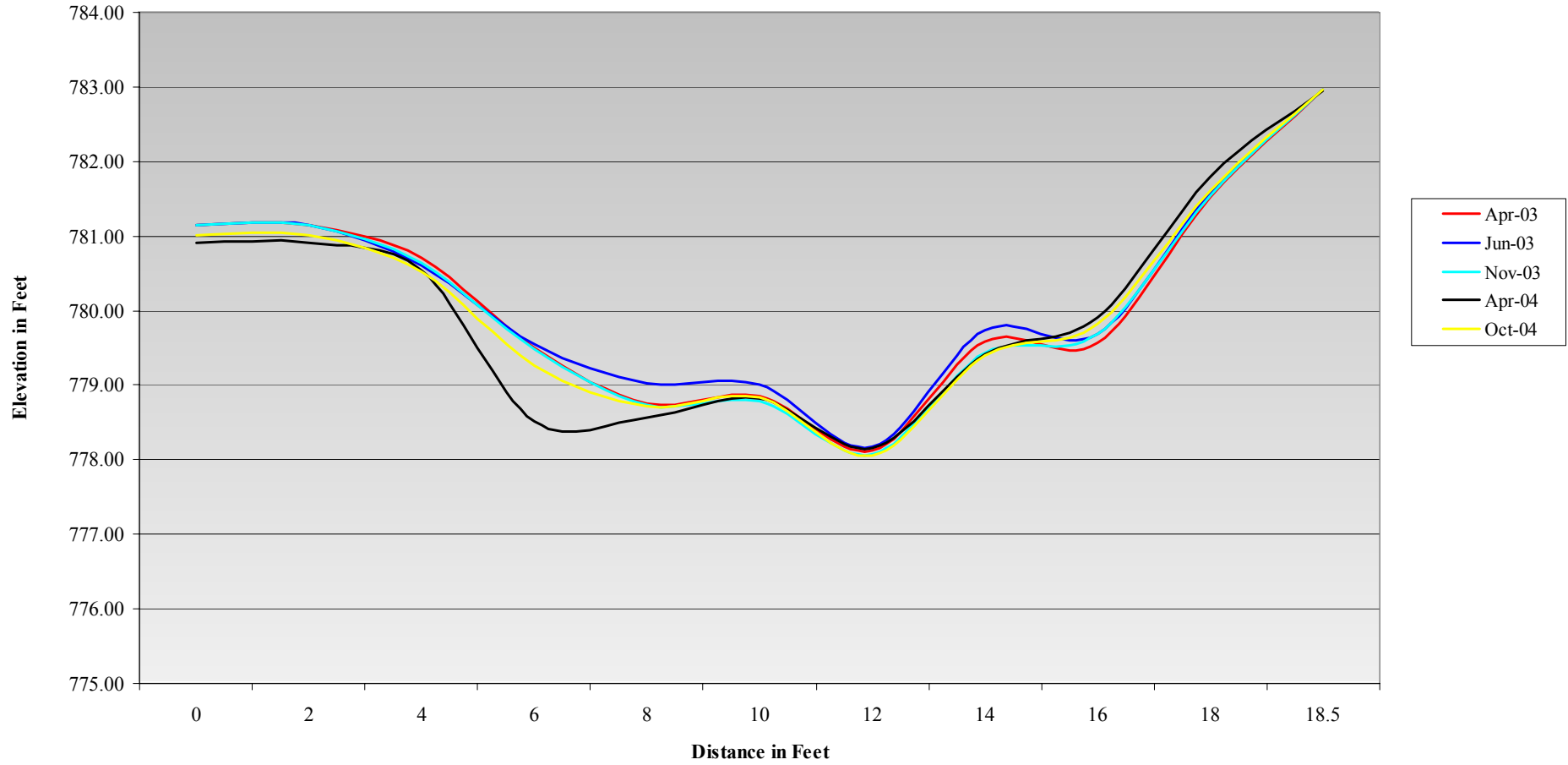
ANNUAL REPORT
Maxey Flats Disposal Site
2004

Cross Section 6.0
East Drain
2003 - 2004



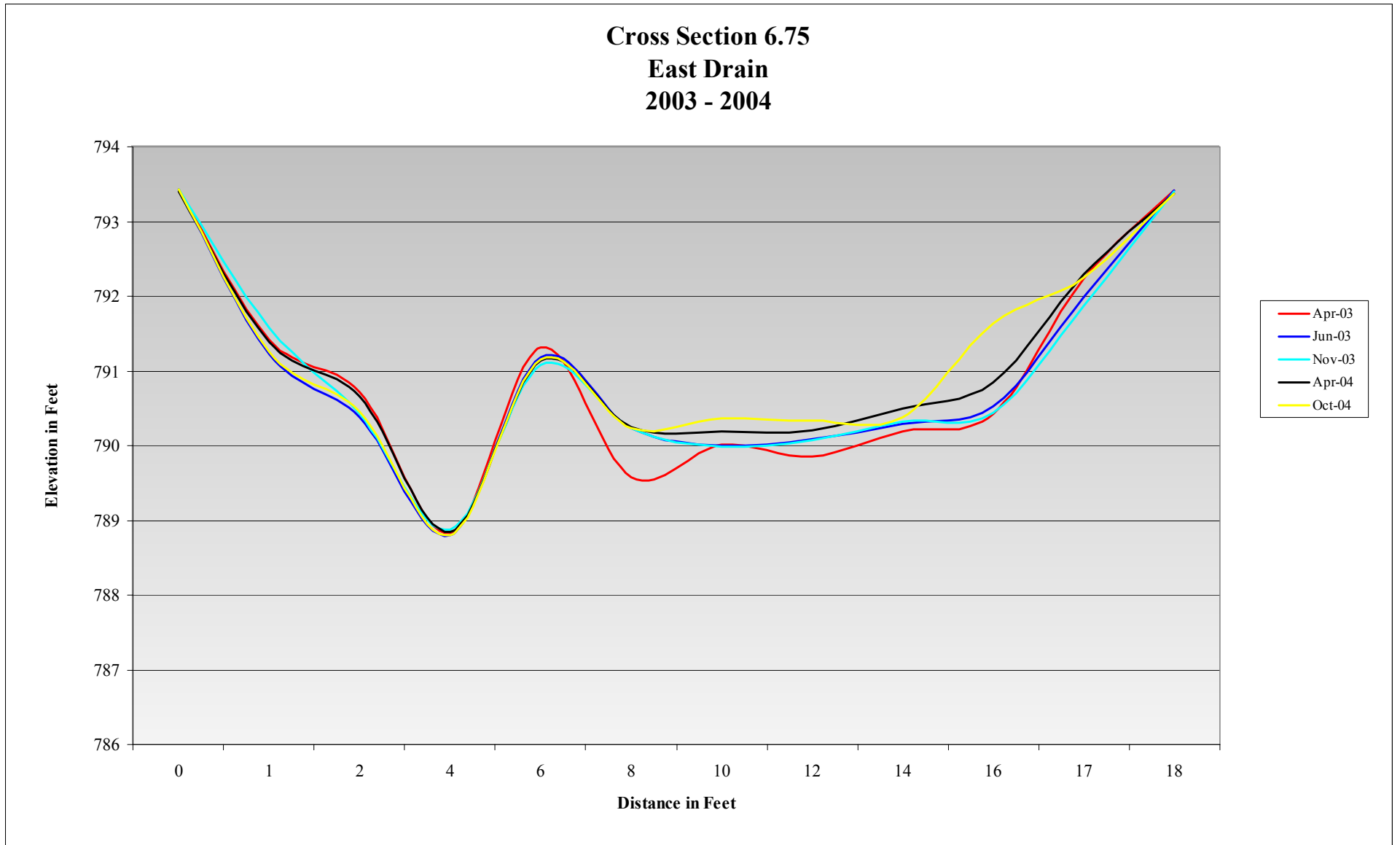
ANNUAL REPORT
Maxey Flats Disposal Site
2004

Cross Section 6.5
East Drain
2003 - 2004



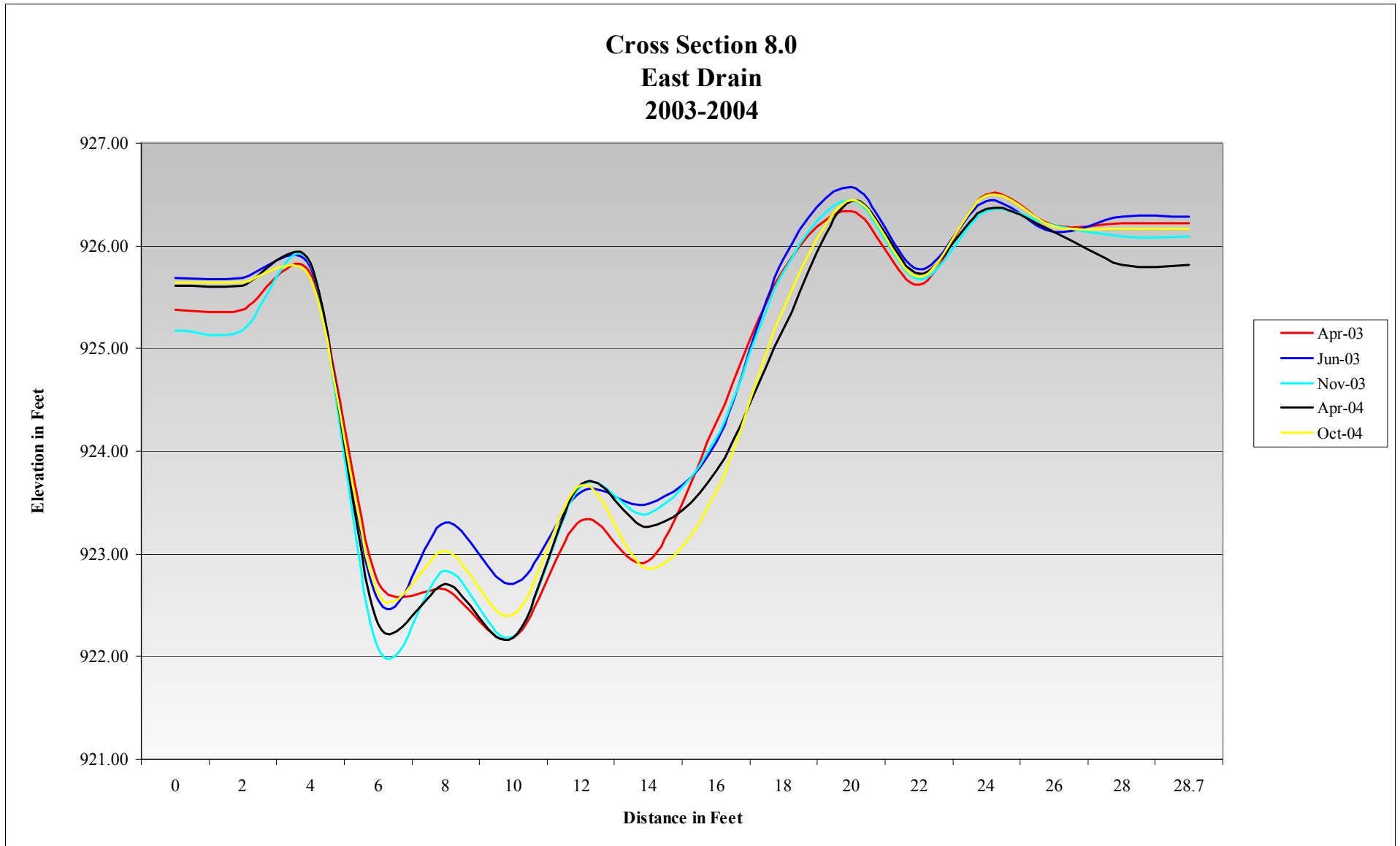
ANNUAL REPORT
Maxey Flats Disposal Site
2004

Cross Section 6.75
East Drain
2003 - 2004



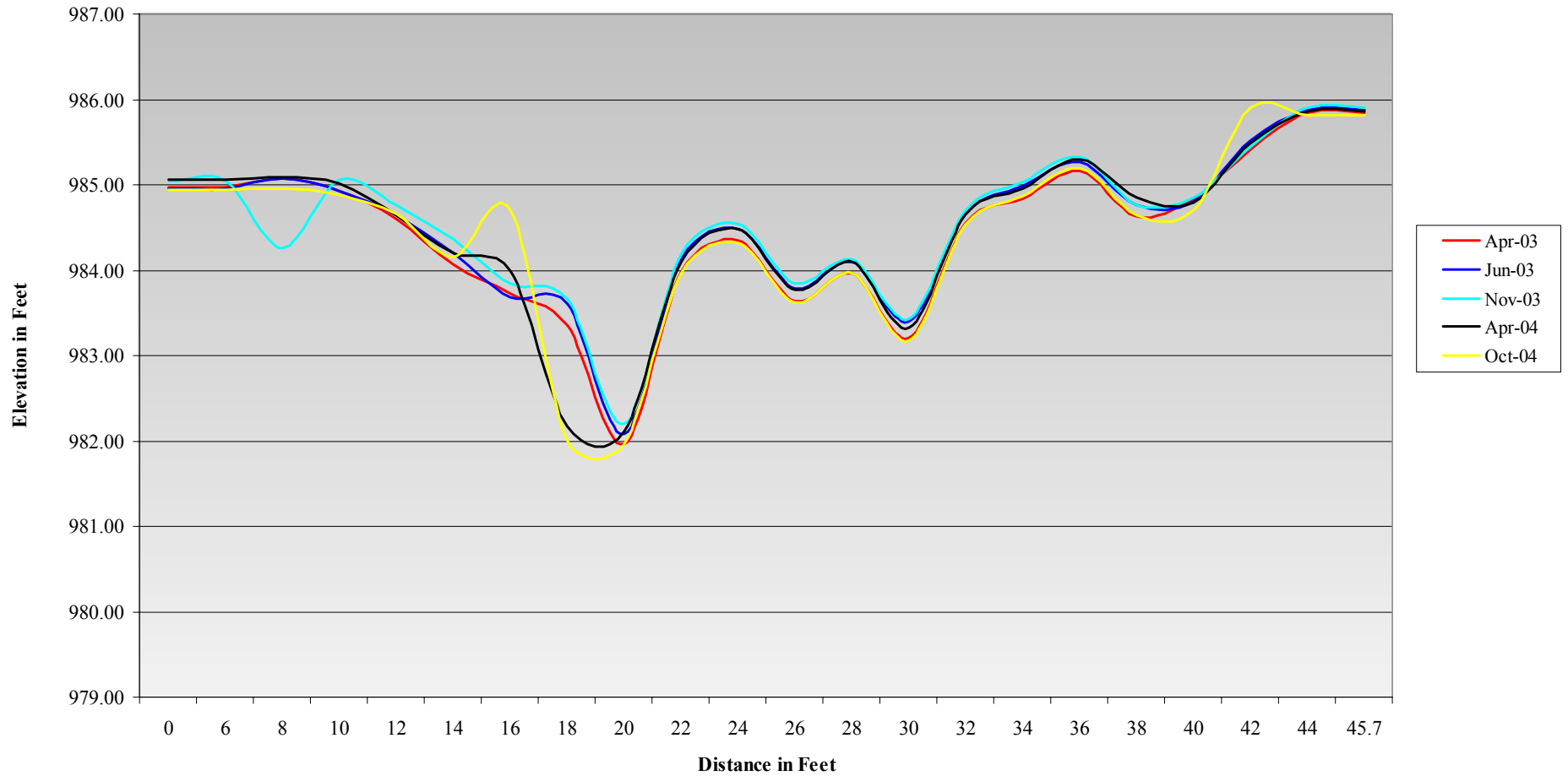
ANNUAL REPORT
Maxey Flats Disposal Site
2004

Cross Section 8.0
East Drain
2003-2004



ANNUAL REPORT
Maxey Flats Disposal Site
2004

Cross Section 12.0
East Drain
2003 - 2004



ANNUAL REPORT
Maxey Flats Disposal Site
2004

APPENDIX J2

**EAST DRAIN – EROSION MONITORING
CROSS-SECTION DATA SUMMARY
2004**

ANNUAL REPORT
 Maxey Flats Disposal Site
 2004

MAXEY FLATS, EAST DRAIN CROSS SECTION # 3.5

ELEVATION IN FEET

| Station | Date | Date | Date | Date | Date |
|---------|------------|-----------|----------|------------|----------|
| | April - 03 | June - 03 | Nov - 03 | April - 04 | Oct - 04 |
| 0 | 747.08 | 746.66 | 746.66 | 746.66 | 747.04 |
| 2 | 747.08 | 746.66 | 746.66 | 746.66 | 747.04 |
| 4 | 746.58 | 746.50 | 746.59 | 746.58 | 746.50 |
| 6 | 746.08 | 746.03 | 745.98 | 745.98 | 745.98 |
| 8 | 745.96 | 745.97 | 745.87 | 745.75 | 745.89 |
| 10 | 746.44 | 745.96 | 745.92 | 745.89 | 745.98 |
| 12 | 746.27 | 746.19 | 746.13 | 745.88 | 746.32 |
| 14 | 746.22 | 746.18 | 746.08 | 746.04 | 746.13 |
| 16 | 746.76 | 746.69 | 746.67 | 746.62 | 746.70 |
| 18 | 747.23 | 747.18 | 747.16 | 747.11 | 746.80 |
| 20 | 747.26 | 747.23 | 747.21 | 747.16 | 747.11 |
| 22 | 747.08 | 747.03 | 747.01 | 746.95 | 747.06 |
| 24 | 747.00 | 747.06 | 746.96 | 746.94 | 747.00 |
| 26 | 747.21 | 747.19 | 747.17 | 747.15 | 747.26 |
| 28 | 747.10 | 747.06 | 746.99 | 746.99 | 747.10 |
| 30 | 747.47 | 747.51 | 747.36 | 747.37 | 747.44 |
| 30.5 | 747.47 | 747.51 | 747.36 | 747.37 | 747.44 |

MAXEY FLATS, EAST DRAIN CROSS SECTION # 5.0

ELEVATION IN FEET

| Station | Date | Date | Date | Date | Date |
|---------|------------|-----------|----------|------------|----------|
| | April - 03 | June - 03 | Nov - 03 | April - 04 | Oct - 04 |
| 0 | 767.49 | 767.51 | 767.51 | 767.49 | 767.45 |
| 2 | 767.49 | 767.51 | 767.51 | 767.49 | 767.45 |
| 4 | 768.17 | 767.37 | 768.09 | 768.07 | 767.92 |
| 7 | 764.89 | 764.93 | 764.92 | 764.97 | 764.89 |
| 7.5 | 764.60 | 764.61 | 764.57 | 764.53 | 764.52 |
| 8 | 764.10 | 764.18 | 764.28 | 764.52 | 764.37 |
| 10 | 763.48 | 764.43 | 763.53 | 763.48 | 763.42 |
| 12 | 763.12 | 763.11 | 763.23 | 763.34 | 763.06 |
| 14 | 763.01 | 762.97 | 763.14 | 763.03 | 762.96 |
| 16 | 763.21 | 762.93 | 763.12 | 763.12 | 762.76 |
| 18 | 765.02 | 764.93 | 765.04 | 765.00 | 764.91 |
| 20 | 765.63 | 765.31 | 765.33 | 765.38 | 765.35 |
| 22 | 765.47 | 765.43 | 765.52 | 765.54 | 765.50 |
| 24 | 765.70 | 765.61 | 765.78 | 765.78 | 765.73 |
| 26 | 766.75 | 766.71 | 766.72 | 766.73 | 766.67 |
| 28 | 768.11 | 768.03 | 767.92 | 768.07 | 768.06 |
| 29.5 | 768.11 | 768.03 | 767.92 | 768.07 | 768.06 |

ANNUAL REPORT
 Maxey Flats Disposal Site
 2004

MAXEY FLATS, EAST DRAIN CROSS SECTION # 5.5

ELEVATION IN FEET

| Station | Date | Date | Date | Date | Date |
|-------------|------------|-----------|----------|------------|----------|
| | April - 03 | June - 03 | Nov - 03 | April - 04 | Oct - 04 |
| 0 | 769.31 | 769.27 | 769.25 | 769.26 | 769.10 |
| 2 | 769.31 | 769.27 | 769.25 | 769.26 | 769.10 |
| 4 | 767.45 | 767.23 | 767.36 | 767.53 | 767.29 |
| 6 | 766.19 | 766.53 | 766.20 | 766.27 | 766.25 |
| 8 | 765.18 | 764.86 | 765.01 | 765.03 | 765.10 |
| 10 | 764.99 | 764.85 | 764.96 | 764.89 | 764.85 |
| 12 | 765.19 | 765.09 | 765.13 | 765.08 | 764.98 |
| 14 | 765.29 | 765.25 | 765.18 | 765.29 | 765.45 |
| 16 | 765.17 | 765.14 | 765.18 | 765.19 | 765.04 |
| 18 | 767.89 | 767.91 | 767.20 | 767.31 | 767.30 |
| 20 | 769.27 | 769.09 | 769.09 | 769.11 | 769.09 |
| 21 | 769.46 | 769.35 | 769.33 | 769.31 | 769.36 |
| 22.5 | 769.46 | 769.35 | 769.33 | 769.31 | 769.36 |

MAXEY FLATS, EAST DRAIN CROSS SECTION # 6.0

ELEVATION IN FEET

| Station | Date | Date | Date | Date | Date |
|-----------|------------|-----------|----------|------------|----------|
| | April - 03 | June - 03 | Nov - 03 | April - 04 | Oct - 04 |
| 0 | 780.54 | 780.66 | 780.70 | 780.67 | 780.62 |
| 1 | 780.54 | 780.66 | 780.70 | 780.67 | 780.62 |
| 2 | 780.23 | 780.26 | 780.37 | 780.17 | 780.21 |
| 3 | 779.55 | 779.58 | 779.68 | 779.74 | 779.74 |
| 4 | 777.52 | 777.78 | 778.74 | 778.12 | 778.01 |
| 5 | 774.44 | 777.11 | 775.51 | 776.87 | 776.90 |
| 6 | 774.09 | 774.94 | 773.83 | 774.39 | 773.76 |
| 8 | 772.92 | 773.24 | 773.07 | 772.93 | 772.85 |
| 10 | 773.01 | 772.99 | 773.02 | 772.87 | 772.67 |
| 12 | 773.38 | 773.26 | 773.22 | 773.22 | 773.23 |
| 14 | 773.74 | 773.62 | 773.72 | 773.66 | 773.61 |
| 16 | 777.27 | 776.98 | 776.78 | 776.72 | 777.21 |
| 21 | 782.45 | 782.49 | 782.49 | 782.49 | 782.49 |

ANNUAL REPORT
 Maxey Flats Disposal Site
 2004

MAXEY FLATS, EAST DRAIN CROSS SECTION # 6.5

ELEVATION IN FEET

| Station | Date | Date | Date | Date | Date |
|-------------|------------|-----------|----------|------------|----------|
| | April - 03 | June - 03 | Nov - 03 | April - 04 | Oct - 04 |
| 0 | 781.14 | 781.15 | 781.14 | 780.91 | 781.01 |
| 2 | 781.14 | 781.15 | 781.14 | 780.91 | 781.01 |
| 4 | 780.71 | 780.60 | 780.64 | 780.53 | 780.52 |
| 6 | 779.50 | 779.55 | 779.49 | 778.51 | 779.27 |
| 8 | 778.75 | 779.03 | 778.73 | 778.56 | 778.72 |
| 10 | 778.86 | 779.00 | 778.78 | 778.82 | 778.83 |
| 12 | 778.12 | 778.18 | 778.07 | 778.16 | 778.05 |
| 14 | 779.59 | 779.73 | 779.43 | 779.41 | 779.40 |
| 16 | 779.57 | 779.68 | 779.69 | 779.90 | 779.82 |
| 18 | 781.52 | 781.58 | 781.53 | 781.80 | 781.61 |
| 18.5 | 782.96 | 782.97 | 782.97 | 782.95 | 782.96 |

MAXEY FLATS, EAST DRAIN CROSS SECTION # 6.75

ELEVATION IN FEET

| Station | Date | Date | Date | Date | Date |
|-----------|------------|-----------|----------|------------|----------|
| | April - 03 | June - 03 | Nov - 03 | April - 04 | Oct - 04 |
| 0 | 793.43 | 793.43 | 793.43 | 793.40 | 793.43 |
| 1 | 791.42 | 791.23 | 791.57 | 791.39 | 791.26 |
| 2 | 790.71 | 790.38 | 790.42 | 790.65 | 790.45 |
| 4 | 788.83 | 788.81 | 788.88 | 788.84 | 788.80 |
| 6 | 791.31 | 791.18 | 791.08 | 791.14 | 791.15 |
| 8 | 789.57 | 790.23 | 790.23 | 790.25 | 790.24 |
| 10 | 790.02 | 790.00 | 789.98 | 790.19 | 790.36 |
| 12 | 789.85 | 790.09 | 790.07 | 790.21 | 790.33 |
| 14 | 790.19 | 790.29 | 790.32 | 790.49 | 790.38 |
| 16 | 790.42 | 790.53 | 790.44 | 790.85 | 791.64 |
| 17 | 792.23 | 791.98 | 791.87 | 792.29 | 792.25 |
| 18 | 793.41 | 793.41 | 793.40 | 793.37 | 793.37 |

ANNUAL REPORT
 Maxey Flats Disposal Site
 2004

MAXEY FLATS, EAST DRAIN CROSS SECTION # 8.0

ELEVATION IN FEET

| Station | Date April - 03 | Date June - 03 | Date Nov - 03 | Date April - 04 | Date Oct - 04 |
|---------|--------------------|-------------------|------------------|--------------------|------------------|
| 0 | 925.38 | 925.69 | 925.17 | 925.61 | 925.64 |
| 2 | 925.38 | 925.69 | 925.17 | 925.61 | 925.64 |
| 4 | 925.73 | 925.79 | 925.83 | 925.84 | 925.69 |
| 6 | 922.72 | 922.55 | 922.08 | 922.31 | 922.61 |
| 8 | 922.65 | 923.31 | 922.84 | 922.71 | 923.03 |
| 10 | 922.18 | 922.71 | 922.20 | 922.19 | 922.41 |
| 12 | 923.33 | 923.61 | 923.66 | 923.68 | 923.67 |
| 14 | 922.93 | 923.49 | 923.39 | 923.26 | 922.86 |
| 16 | 924.28 | 924.09 | 924.13 | 923.81 | 923.61 |
| 18 | 925.76 | 925.87 | 925.74 | 925.18 | 925.38 |
| 20 | 926.34 | 926.57 | 926.45 | 926.43 | 926.44 |
| 22 | 925.62 | 925.77 | 925.68 | 925.73 | 925.70 |
| 24 | 926.50 | 926.43 | 926.34 | 926.36 | 926.49 |
| 26 | 926.20 | 926.13 | 926.20 | 926.13 | 926.19 |
| 28 | 926.22 | 926.29 | 926.09 | 925.81 | 926.17 |
| 28.7 | 926.22 | 926.29 | 926.09 | 925.81 | 926.17 |

MAXEY FLATS, EAST DRAIN CROSS SECTION # 12.0

ELEVATION IN FEET

| Station | Date April - 03 | Date June - 03 | Date Nov - 03 | Date April - 04 | Date Oct - 04 |
|---------|--------------------|-------------------|------------------|--------------------|------------------|
| 0 | 984.97 | 984.95 | 985.05 | 985.06 | 984.94 |
| 6 | 984.97 | 984.95 | 985.05 | 985.06 | 984.94 |
| 8 | 985.07 | 985.08 | 984.26 | 985.09 | 984.96 |
| 10 | 984.93 | 984.93 | 985.06 | 985.01 | 984.88 |
| 12 | 984.60 | 984.64 | 984.77 | 984.65 | 984.66 |
| 14 | 984.07 | 984.20 | 984.37 | 984.20 | 984.16 |
| 16 | 983.73 | 983.68 | 983.84 | 984.00 | 984.70 |
| 18 | 983.35 | 983.60 | 983.66 | 982.17 | 982.01 |
| 20 | 981.97 | 982.08 | 982.20 | 982.11 | 981.96 |
| 22 | 983.98 | 984.12 | 984.19 | 984.10 | 983.97 |
| 24 | 984.35 | 984.48 | 984.54 | 984.48 | 984.32 |
| 26 | 983.64 | 983.78 | 983.84 | 983.77 | 983.62 |
| 28 | 983.97 | 984.10 | 984.13 | 984.10 | 983.96 |
| 30 | 983.21 | 983.40 | 983.43 | 983.32 | 983.18 |
| 32 | 984.55 | 984.66 | 984.70 | 984.66 | 984.54 |
| 34 | 984.84 | 984.98 | 985.03 | 984.96 | 984.87 |
| 36 | 985.17 | 985.26 | 985.33 | 985.29 | 985.19 |
| 38 | 984.63 | 984.76 | 984.76 | 984.85 | 984.64 |
| 40 | 984.84 | 984.81 | 984.85 | 984.80 | 984.70 |
| 42 | 985.41 | 985.52 | 985.44 | 985.49 | 985.90 |
| 44 | 985.85 | 985.88 | 985.90 | 985.86 | 985.81 |
| 45.7 | 985.85 | 985.88 | 985.90 | 985.86 | 985.81 |

ANNUAL REPORT
Maxey Flats Disposal Site
2004

APPENDIX J3

**EAST DRAIN – EROSION MONITORING
CROSS-SECTION AREAS
2004**

ANNUAL REPORT
Maxey Flats Disposal Site
2004

MAXEY FLATS, EAST DRAIN CROSS SECTIONAL AREAS

Area in Square Feet

| Cross Section | Date | Date | Date | Date | Date |
|--------------------------|---------------|---------------|---------------|---------------|---------------|
| | Apr-04 | Jun-04 | Nov-03 | Apr-04 | Oct-04 |
| 3.5 | 34.79 | 37.47 | 39.06 | 40.45 | 37.62 |
| 5 | 103.9 | 103.71 | 104.5 | 103.84 | 106.48 |
| 5.5 | 114.52 | 117.09 | 117.74 | 116.98 | 121.26 |
| 6 | 123.07 | 119.88 | 122.97 | 122.48 | 122.28 |
| 6.5 | 58.68 | 57.42 | 59.4 | 61.26 | 59.73 |
| 6.75 | 53.26 | 52.53 | 52.29 | 49.46 | 49.25 |
| 8 | 134.02 | 130.63 | 134.26 | 136.1 | 133.92 |
| 12 | 166.96 | 163.5 | 162.09 | 164.82 | 167.47 |