Maxey Flats Project (MFP)-Annual Report

Reporting Period: January 2006 – June 2006

Monitoring Results

This section covers tasks performed during this reporting period to comply with the Interim Maintenance Period Work Plan (IMP) that includes the Performance Standard Verification Plan (PSVP) and the Operation and Maintenance Summary Requirement (O&M).

Surface Water (PSVP 3.1.2)

Surface water sampling for locations 102D, 103E, 106, C107, 122A, 122C, 143, and 144 is performed using automatic sequential samplers that collect a daily composite sample. The sampler located at the East Detention Basin (EDB) collects samples based on a 15 minute rain event with the intensity to produce a total rainfall in excess of 2.8 inches during a twenty-four period. This method has not proven effective in evaluating the precipitation runoff from the restricted area. A comparison method is being explored to allow for an evaluation of precipitation released from the restricted area.

A total of 1,410 surface water samples have been collected and analyzed for tritium during this period with no anomalous data reported. Table 1 contains a summary of the data obtained during this reporting period.

Alluvial Wells (PSVP 3.1.2.2)

The United States Geological Survey (USGS), Kentucky District staff members completed Alluvial Well sampling in January and April. The two sampling events yielded ten samples. Tritium analysis completed by MFP ranged from 0.00 to 7.82 pCi/ml; these values are compared to the drinking water standard of 20 pCi/ml. Table 2 is a summary of the data obtained during this reporting period.

Monitoring Wells

USGS staff members completed USGS monitoring well measurements and sampling in January and April. Fifteen monitoring wells are measured quarterly with select wells sampled on a semi-annual basis. Table 3 contains a summary of the data obtained during this reporting period.

Trench Leachate Management (PSVP 2.3)

Trench sump liquid levels are obtained in accordance with the PSVP, Section 2.3 Sump Measurements and Tech Change III. First quarter annual measurements were obtained in March and second quarter measurements were obtained in May. Table 4 contains the liquid level measurements from both events. The data indicates the levels are remaining constant.

Subsidence Monitoring (PSVP 2.2)

Two areas have been established for subsidences monitoring; these are located on liner panels 84 and 72. Neither area has yet to exceed the allowable limit. There has been no additional subsidence of the trench area during this period. Inspections are performed monthly in accordance with the O&M plan.

Erosion Monitoring (PSVP 2.1)

Table 5 contains data obtained from surveys performed by USGS staff.

Inspections, Maintenance and Repair Activities Relative to the IRP

Inspections

Inspections were conducted in accordance with the Operations and Maintenance Requirements Summary (O&M), Appendix B. This includes: (26) Weekly/Daily Inspections, (12) Twice-a-Month Inspections, (6) Monthly Inspections, (2) Quarterly Inspections, (1) Semi-annual Inspection and (1) Annual Inspection.

Maintenance

This section covers the maintenance of the geo-membrane liner, headwalls, drainage channels, diversion berms, interior anchor trenches, perimeter, and anchor trench, articulating block system, emergency spillway at the northeast corner, east detention basin, southeast cap and general site components.

Items requiring attention were leaf removal from headwall inlets, rip-rap replacement in East Drainage basin, concrete patching of northeast channel head wall and removing water from under the liner. The occurrence of water trapped under the liner is becoming a common problem. In most cases no direct source can be determined. One possible theory is that extrusion welds completed when conditions were not optimal are deteriorating and allowing water to place through.

Repairs

A total of 55 repairs were made to the geomembrane liner during this reporting period. Twenty-three repairs were of field seams with the remainder being holes or tears. A quality control check was performed on each of the repaired sections.

Reporting

All validated sampling data acquired on site has been forwarded to United States Environmental Protection Agency (USEPA), Project Coordinator for the Steering Committee, United States Department of Energy (USDOE) and the Commonwealth.

Conclusion

There was no anomalous data reported during this period from 1,550 analyzed samples. The data indicates that the Maxey Flats Project is causing a minimal impact of human health and the environment.

Table 1
Surface Water Data
2006

Location	Minimum Activity (pCi/ml)	Date	Maximum Activity (pCi/ml)	Date	Average Activity (pCi/ml)	Sampling Period
ISCO 122A	0.00	01/02/06	2.54	05/04/06	0.04	1/1-6/30/06
ISCO 106	1.12	06/11/06	11.02	06/20/06	3.86	1/1-6/30/06
ISCO 122C	0.32	01/21/06	7.36	06/08/06	0.99	1/1-6/30/06
ISCO 102D	0.11	01/22/06	2.67	06/08/06	0.72	1/1-6/30/06
ISCO 103E	0.07	02/03/06	1.23	05/19/06	0.52	1/1-6/30/06
ISCO EDB	0.00	03/11/06	0.92	05/26/06	0.26	1/1-6/30/06
ISCO 143	0.00	01/03/06	0.57	06/24/06	0.11	1/1-6/30/06
ISCO 144	1.22	06/11/06	118.38	05/09/06	47.17	1/1-6/30/06
ISCO C107	1.96	01/17/06	18.53	03/19/06	9.60	1/1-6/30/06

Table 2
Alluvial Well Data
2006

Well ID	Date	Tritium Activity (pCi/ml)	Specific Conductivity (μmho)	pH	Temperature [C]	Dissolved Oxygen (mg/L)	Turbidity (NTU Units)
AW-1	01/26/06	2.41 +/- 0.15	308	6.51	13.0	0.24	0.0
AW-1	04/19/06	5.94 +/- 0.19	270	6.55	12.4	0.20	25.7
AW-4	04/19/06	0.22 +/- 0.11	202	4.29	11.3	3.11	316
AW-5	01/26/06	0.24 +/- 0.11	549	6.57	10.0	0.45	0.0
AW-7	01/26/06	7.82 +/- 0.21	127	5.37	13.1	0.29	0.0
AW-7	04/19/06	6.76 +/- 0.20	138	5.54	12.6	0.33	0.0
AW-9	04/19/06	0.71 +/- 0.12	456	6.39	11.6	0.31	14.4
AW-13	01/26/06	0.53 +/- 0.12	274	5.66	12.5	0.33	0.0
AW-14	01/26/06	0.00 +/- 0.11	549	6.78	12.4	0.29	0.0
AW-15	04/19/06	0.55 +/- 0.12	839	6.80	11.6	0.31	0.0

Note: Measurements (specific conductivity, pH, temperature, dissolved oxygen, and turbidity) are taken at time of sample collection.

Table 3
USGS Monitoring Well Data
2006

Well ID	Top of Casing to Bottom (ft)	Ground Level to Bottom (ft)	Ground Level to Liquid (ft) 1/24/06	Ground Level to Liquid (ft) 4/18/06	Tritium Activity April 2006 (pCi/ml)
ESI-1	24.10	22.13	5.13	8.16	*measurement only*
ESI-2	17.50	14.67	14.98	14.84	*measurement only*
ESI-4	26.30	24.48	14.60	14.37	*measurement only*
ESI-5	24.50	22.87	15.29	15.23	*measurement only*
ESI-12	41.30	38.92	21.56	21.91	*measurement only*
ESI-19	21.65	19.52	16.47	16.43	*measurement only*
ESI-20			104.88	104.92	*measurement only*
N2B*	12.40	9.75	water level below transducer at 12.04	water level below transducer at 12.04	115,488 +/- 22
UE-2*	18.50	15.60	17.05	17.00	491,276 +/- 45
UE-11	20.15	16.70	17.73	17.48	*measurement only*
UF-1	21.50	18.20	17.30	17.30	*measurement only*
UF-2*	17.30	13.15	13.36	13.33	213,789 +/- 30
UF-5*	21.30	17.50	6.11	9.64	no sample
UF-10a*			30.33	30.35	3,335 +/- 4
UF-37	22.80	21.90	15.34	15.68	*measurement only*
UF-45		18.90	18.12	18.15	*measurement only*
UK-1*	15.70	12.60	13.67	13.54	138,127 +/- 24

Note: Top of Casing to Bottom measurements taken from O&M Plan, Table 7-1

* - Sampled by USGS April and October

Table 4
Trench Sump Leachate Measurements
2006

SUMP ID	Top of Casing to Bottom (ft)	Elevation Top of Casing (ft)	Elevation to Bottom (ft)	Top of Casing to Liquid (ft)		
				Oct-05	Mar-06	May-06
1-2	21.70	1056.17	1034.47	19.40	19.40	19.40
			Elevation at Liquid	1036.77	1036.77	1036.77
			Feet of liquid in sump	2.30	2.30	2.30
2-6	26.30	1057.55	1031.24	20.40	20.40	20.40
			Elevation at Liquid	1037.15	1037.15	1037.15
			Feet of liquid in sump	5.90	5.90	5.90
3-2	24.30	1059.50	1035.18	23.00	23.00	23.10
			Elevation at Liquid	1036.50	1036.50	1036.40
			Feet of liquid in sump	1.30	1.30	1.20
3-4	18.00	1054.41	1036.96	15.90	15.90	15.90
			Elevation at Liquid	1038.51	1038.51	1038.51
			Feet of liquid in sump	2.10	2.10	2.10
7-4	15.80	1052.41	1036.70	11.40	10.90	10.80
			Elevation at Liquid	1041.01	1041.51	1041.61
			Feet of liquid in sump	4.40	4.90	5.00
7-5	22.40	1057.98	1035.40	19.20	19.30	19.40
			Elevation at Liquid	1038.78	1038.68	1038.58
			Feet of liquid in sump	3.20	3.10	3.00
7-7	23.20	1059.12	1036.22	20.10	20.20	20.30
			Elevation at Liquid	1039.02	1038.92	1038.82
			Feet of liquid in sump	3.10	3.00	2.90
10-7	29.20	1060.30	1028.82	27.60	27.60	27.60
			Elevation at Liquid	1032.70	1032.70	1032.70
			Feet of liquid in sump	1.60	1.60	1.60
10-8	29.20	1058.70	1030.48	27.70	27.70	27.80
			Elevation at Liquid	1031.00	1031.00	1030.90
			Feet of liquid in sump	1.50	1.50	1.40
10-9	27.70	1054.90	1027.20	25.30	25.20	25.20
			Elevation at Liquid	1029.60	1029.70	1029.70
			Feet of liquid in sump	2.40	2.50	2.50
11S-5	23.10	1057.10	1033.93	20.90	21.00	21.00
			Elevation at Liquid	1036.20	1036.10	1036.10
			Feet of liquid in sump	2.20	2.10	2.10

Table 4
Trench Sump Leachate Measurements
2006

SUMP ID	Top of Casing to Bottom (ft)	Elevation Top of Casing (ft)	Elevation to Bottom (ft)	Top of Casing to Liquid (ft)		
				Oct-05	Mar-06	May-06
11S-6	27.10	1063.20	1036.50	24.30	24.40	24.40
			Elevation at Liquid	1038.90	1038.80	1038.80
			Feet of liquid in sump	2.80	2.70	2.70
15-4	27.60	1062.00	1034.42	26.70	26.60	26.60
			Elevation at Liquid	1035.30	1035.40	1035.40
			Feet of liquid in sump	0.90	1.00	1.00
15-5	26.50	1061.20	1034.70	25.10	25.20	25.20
			Elevation at Liquid	1036.10	1036.00	1036.00
			Feet of liquid in sump	1.40	1.30	1.30
15-6	32.50	1059.50	1027.10	28.50	28.50	28.50
			Elevation at Liquid	1031.00	1031.00	1031.00
			Feet of liquid in sump	4.00	4.00	4.00
15-8	23.80	1055.80	1032.25	22.50	22.40	22.50
			Elevation at Liquid	1033.30	1033.40	1033.30
			Feet of liquid in sump	1.30	1.40	1.30
18-6	31.20	1065.50	1034.08	30.30	30.30	30.30
			Elevation at Liquid	1035.20	1035.20	1035.20
			Feet of liquid in sump	0.90	0.90	0.90
18-9	**DRY**			22.00	22.00	Dry
19-5	30.50	1063.30	1032.81	28.90	28.90	28.90
			Elevation at Liquid	1034.40	1034.40	1034.40
			Feet of liquid in sump	1.60	1.60	1.60
19-6	25.90	1058.74	1033.30	23.30	23.30	23.30
			Elevation at Liquid	1035.44	1035.44	1035.44
			Feet of liquid in sump	2.60	2.60	2.60
19-7	32.10	1064.30	1032.00	30.10	30.10	30.10
			Elevation at Liquid	1034.20	1034.20	1034.20
			Feet of liquid in sump	2.00	2.00	2.00
20W	29.30	1065.60	1036.17	28.10	28.20	28.20
			Elevation at Liquid	1037.50	1037.40	1037.40
			Feet of liquid in sump	1.20	1.10	1.10

Table 4
Trench Sump Leachate Measurements
2006

SUMP ID	Top of Casing to Bottom (ft)	Elevation Top of Casing (ft)	Elevation to Bottom (ft)	Top of Casing to Liquid (ft)		
				Oct-05	Mar-06	May-06
20-7	33.00	1063.30	1030.40	29.90	29.90	30.00
			Elevation at Liquid	1033.40	1033.40	1033.30
			Feet of liquid in sump	3.10	3.10	3.00
20-9	30.80	1065.40	1034.37	30.10	30.10	30.10
			Elevation at Liquid	1035.30	1035.30	1035.30
			Feet of liquid in sump	0.70	0.70	0.70
20-11	24.70	1059.08	1034.42	24.10	24.10	24.20
			Elevation at Liquid	1034.98	1034.98	1034.88
			Feet of liquid in sump	0.60	0.60	0.50
23-5	32.50	1063.70	1030.83	31.00	31.00	30.90
			Elevation at Liquid	1032.70	1032.70	1032.80
			Feet of liquid in sump	1.50	1.50	1.60
23-6	32.10	1064.30	1032.25	30.80	30.80	30.80
			Elevation at Liquid	1033.50	1033.50	1033.50
			Feet of liquid in sump	1.30	1.30	1.30
23-9	**DRY**			24.30	24.30	D
24-5	24.80	1058.90	1034.04	23.30	23.30	23.30
			Elevation at Liquid	1035.60	1035.60	1035.60
			Feet of liquid in sump	1.50	1.50	1.50
24-6	26.90	1062.40	1035.40	26.50	26.50	26.60
			Elevation at Liquid	1035.50	1035.90	1035.80
			Feet of liquid in sump	0.40	0.40	0.30
25-5	24.80	1059.80	1036.00	23.30	23.30	23.40
			Elevation at Liquid	1035.00	1036.50	1036.40
			Feet of liquid in sump	1.50	1.50	1.40
25-7	25.70	1060.70	1035.05	24.90	24.90	24.90
			Elevation at Liquid	1035.80	1035.80	1035.80
			Feet of liquid in sump	0.80	0.80	0.80
25-9	23.30	1057.00	1034.00	22.50	22.50	22.50
			Elevation at Liquid	1034.50	1034.50	1034.50
			Feet of liquid in sump	0.80	0.80	0.80

Table 4
Trench Sump Leachate Measurements
2006

SUMP ID	Top of Casing to Bottom (ft)	Elevation Top of Casing (ft)	Elevation to Bottom (ft)	Top of Casing to Liquid (ft)		
				Oct-05	Mar-06	May-06
26-2	30.10	1059.30	1029.15	27.70	27.60	27.60
			Elevation at Liquid	1031.60	1031.70	1031.70
			Feet of liquid in sump	2.40	2.50	2.50
26-3	28.30	1058.48	1030.17	26.60	26.60	26.60
			Elevation at Liquid	1031.88	1031.88	1031.88
			Feet of liquid in sump	1.70	1.70	1.70
26-4	23.60	1056.40	1033.14	22.00	22.10	22.10
			Elevation at Liquid	1034.40	1034.30	1034.30
			Feet of liquid in sump	1.60	1.50	1.50
27-9	35.70	1062.90	1026.24	26.90	26.80	26.90
			Elevation at Liquid	1029.50	1029.60	1029.50
			Feet of liquid in sump	8.80	8.90	8.80
27-11	**DRY**			25.70	25.70	D
28W	27.50	1064.20	1036.67	26.10	26.10	26.10
			Elevation at Liquid	1038.10	1038.10	1038.10
			Feet of liquid in sump	1.40	1.40	1.40
28-6	**DRY**			27.40	27.40	D
28-11	**DRY**			27.00	27.00	D
28-12	**DRY**			26.40	26.40	D
29W	27.10	1063.50	1036.82	24.80	25.60	25.70
			Elevation at Liquid	1038.70	1037.90	1037.80
			Feet of liquid in sump	2.30	1.50	1.40
29-5	**DRY**			27.70	27.70	D
29-6	**DRY**			25.80	25.80	D
30-4	23.30	1062.30	1038.85	22.40	23.50	22.30
			Elevation at Liquid	1039.90	1038.80	1040.00
			Feet of liquid in sump	0.90	-0.20	1.00
30-8	30.00	1067.41	1037.41	29.80	29.80	29.90
			Elevation at Liquid	1037.61	1037.61	1037.51
			Feet of liquid in sump	0.20	0.20	0.10
30-10	**DRY**			29.20	29.20	D

Table 4

Trench Sump Leachate Measurements

2006

SUMP ID	Top of Casing to Bottom (ft)	Elevation Top of Casing (ft)	Elevation to Bottom (ft)	Top of Casing to Liquid (ft)		
				Oct-05	Mar-06	May-06
31-2	26.30	1065.90	1040.03	25.20	25.20	25.20
			Elevation at Liquid	1040.70	1040.70	1040.70
			Feet of liquid in sump	1.10	1.10	1.10
31-5	**DRY**			23.30	23.30	D
31-7	25.60	1065.30	1040.25	24.80	24.80	24.70
			Elevation at Liquid	1040.50	1040.50	1040.60
			Feet of liquid in sump	0.80	0.80	0.90
31-9	27.40	1066.40	1039.29	25.50	25.50	25.60
			Elevation at Liquid	1040.90	1040.90	1040.80
			Feet of liquid in sump	1.90	1.90	1.80
32-E	29.40	1064.80	1035.54	29.00	29.00	29.00
			Elevation at Liquid	1035.80	1035.80	1035.80
			Feet of liquid in sump	0.40	0.40	0.40
32-9	29.50	1065.30	1035.71	28.90	28.90	28.90
			Elevation at Liquid	1036.40	1036.40	1036.40
			Feet of liquid in sump	0.60	0.60	0.60
35-2	29.60	1064.08	1034.19	27.90	28.00	28.00
			Elevation at Liquid	1036.18	1036.08	1036.08
			Feet of liquid in sump	1.70	1.60	1.60
35-6	28.50	1063.04	1034.41	27.40	27.40	27.40
			Elevation at Liquid	1035.64	1035.64	1035.64
			Feet of liquid in sump	1.10	1.10	1.10
36-3	22.20	1062.90	1039.97	20.80	20.80	20.80
			Elevation at Liquid	1042.10	1042.10	1042.10
			Feet of liquid in sump	1.40	1.40	1.40
36-6	27.10	1066.60	1039.35	24.00	24.00	24.00
			Elevation at Liquid	1042.60	1042.60	1042.60
			Feet of liquid in sump	3.10	3.10	3.10
36-7	**DRY**			22.40	22.40	22.40
37-3	24.40	1055.30	1030.92	22.80	22.80	22.80
			Elevation at Liquid	1032.50	1032.50	1032.50
			Feet of liquid in sump	1.60	1.60	1.60

Table 4
Trench Sump Leachate Measurements
2006

SUMP ID	Top of Casing to Bottom (ft)	Elevation Top of Casing (ft)	Elevation to Bottom (ft)	Top of Casing to Liquid (ft)		
				Oct-05	Mar-06	May-06
37-4	**DRY**			23.50	23.50	D
38-4	22.90	1055.80	1034.05	21.60	21.60	21.60
			Elevation at Liquid	1034.20	1034.20	1034.20
			Feet of liquid in sump	1.30	1.30	1.30
38-5	23.30	1055.60	1032.06	21.20	21.20	21.20
			Elevation at Liquid	1034.40	1034.40	1034.40
			Feet of liquid in sump	2.10	2.10	2.10
39-1	22.30	1053.70	1031.70	**cannot measure**		
39-4	**DRY**			19.20	19.20	D
40-15	**DRY**			21.40	21.40	D
40-17	30.30	1051.40	1021.08	28.70	28.60	28.60
			Elevation at Liquid	1022.70	1022.80	1022.80
			Feet of liquid in sump	1.60	1.70	1.70
40-19	33.40	1049.40	1022.40	29.80	29.80	29.80
			Elevation at Liquid	1019.60	1019.60	1019.60
			Feet of liquid in sump	3.60	3.60	3.60
40-22	35.40	1056.98	1021.10	32.10	32.00	32.00
			Elevation at Liquid	1024.88	1024.98	1024.98
			Feet of liquid in sump	3.30	3.40	3.40
42-11	32.20	1049.52	1017.72	28.40	28.40	28.40
			Elevation at Liquid	1021.12	1021.12	1021.12
			Feet of liquid in sump	3.80	3.80	3.80
42-19	31.10	1047.25	1016.41	27.80	27.80	27.80
			Elevation at Liquid	1019.45	1019.45	1019.45
			Feet of liquid in sump	3.30	3.30	3.30
42-20	**DRY**			35.10	35.10	36.20
43-7	37.30	1047.24	1010.00	36.10	36.20	36.20
			Elevation at Liquid	1011.14	1011.04	1011.04
			Feet of liquid in sump	1.20	1.10	1.10

Table 4
Trench Sump Leachate Measurements
2006

SUMP ID	Top of Casing to Bottom (ft)	Elevation Top of Casing (ft)	Elevation to Bottom (ft)	Top of Casing to Liquid (ft)		
				Oct-05	Mar-06	May-06
43-9	36.70	1045.20	1008.93	34.40	34.40	34.90
			Elevation at Liquid	1010.80	1010.80	1010.30
			Feet of liquid in sump	2.30	2.30	1.80
43-13	32.50	1041.39	1008.50	30.60	30.60	30.60
			Elevation at Liquid	1010.79	1010.79	1010.79
			Feet of liquid in sump	1.90	1.90	1.90
44-5	43.50	1057.35	1013.71	41.50	41.50	41.50
			Elevation at Liquid	1015.85	1015.85	972.21
			Feet of liquid in sump	2.00	2.00	2.00
44-14	34.60	1048.45	1013.83	34.30	34.30	34.30
			Elevation at Liquid	1014.15	1014.15	1014.15
			Feet of liquid in sump	0.30	0.30	0.30
44-20	39.30	1052.28	1013.10	38.40	38.40	38.40
			Elevation at Liquid	1013.88	1013.88	1013.88
			Feet of liquid in sump	0.90	0.90	0.90
44-22	40.90	1055.09	1014.17	40.00	40.10	40.10
			Elevation at Liquid	1015.09	1014.99	1014.99
			Feet of liquid in sump	0.90	0.80	0.80
45-1	35.20	1055.31	1020.33	29.40	29.40	29.40
			Elevation at Liquid	1025.91	1025.91	1025.91
			Feet of liquid in sump	5.80	5.80	5.80
46-1	27.50	1052.10	1026.45	24.20	23.60	23.50
			Elevation at Liquid	1027.90	1028.50	1028.60
			Feet of liquid in sump	3.30	3.90	4.00
46-2	24.80	1053.07	1028.46	20.90	21.00	21.00
			Elevation at Liquid	1032.17	1032.07	1032.07
			Feet of liquid in sump	3.90	3.80	3.80
46-3	37.30	1052.92	1015.27	18.20	18.80	19.20
			Elevation at Liquid	1034.72	1034.12	1033.72
			Feet of liquid in sump	19.10	18.50	18.10

Table 5
Erosion Monitoring – East Drain
2006

East Drain Cross Section #3.5

Elevation in Feet

Station	Date April-06
0	747.65
2	746.65
4	746.59
6	746.07
8	745.94
10	745.94
12	746.20
14	746.08
16	746.59
18	747.02
20	747.19
22	747.12
24	746.97
26	747.20
28	747.02
30	747.47
30.5	747.47

East Drain Cross Section #5.0

Elevation in Feet

Station	Date April-06
0	767.44
2	767.44
4	767.89
7	764.75
7.5	764.42
8	764.31
10	763.37
12	762.94
14	762.86
16	763.10
18	764.84
20	765.40
22	765.47
24	765.77
26	766.72
28	768.05
29.5	768.05

East Drain Cross Section #5.5

Elevation in Feet

Station	Date April-06
0	769.27
2	769.27
4	767.51
6	766.40
8	765.18
10	764.93
12	765.10
14	765.36
16	765.05
18	767.35
20	769.12
21	769.53
22.5	769.53

East Drain Cross Section #6.0

Elevation in Feet

Station	Date April-06
0	780.66
1	780.66
2	780.30
3	779.77
4	778.08
5	775.29
6	774.03
8	773.06
10	772.96
12	773.35
14	774.38
16	777.24
21	782.49

East Drain Cross Section #6.5

Elevation in Feet

Station	Date April-06
0	781.08
2	781.08
4	780.23
6	779.57
8	778.68
10	778.70
12	778.04
14	779.43
16	779.82
18	781.94
18.5	782.94

East Drain Cross Section #6.75

Elevation in Feet

Station	Date April-06
0	793.35
1	791.48
2	789.52
4	788.74
6	790.95
8	790.35
10	790.08
12	790.05
14	790.52
16	791.35
17	792.33
18	793.29

Table 5
Erosion Monitoring – East Drain
2006

East Drain Cross Section #8.0

Elevation in Feet

Station	Date April-06
0	927.40
2	927.40
4	925.20
6	922.36
8	922.95
10	922.30
12	923.45
14	922.87
16	924.20
18	925.51
20	926.39
22	925.64
24	926.27
26	926.18
28	926.30
28.7	926.30

East Drain Cross Section #12.0

Elevation in Feet

Station	Date April-06
0	984.91
6	984.91
8	985.05
10	984.88
12	984.49
14	984.09
16	983.74
18	982.02
20	981.96
22	983.89
24	984.28
26	983.63
28	983.91
30	983.18
32	984.48
34	984.76
36	985.14
38	984.58
40	984.69
42	985.39
44	985.86
45.7	985.86