



Maxey Flats Disposal Site
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The Kentucky Energy and Environment Cabinet is moving forward with plans for final capping of the Maxey Flats Disposal Site, which operated as a commercial disposal landfill for low-level radioactive waste from 1962 to 1977.

Since the Commonwealth purchased this site, state agencies have been working with the federal Environmental Protection Agency to ensure proper closure and long-term care of the site.

The final capping plan includes installation of a permanent vegetative cap, installation of permanent surface water control features and installation of surface monuments to identify concerns and location of buried waste. Once the final closure period is completed, the cabinet and its agencies will enter into an institutional control period of 100 years which will include continued monitoring, custodial upkeep and facility control.

The initial phases of the final capping plan included the purchase of additional property surrounding the site. This measure increases the distance between the restricted areas of the site and the public, and provides a nearby source for material to build the cap.

Contractors were hired and began cap construction in 2015, with cap completion scheduled for 2016. This serves to significantly safeguard the Maxey Flats site for both workers and the public.

Construction Progress Report

Reporting Period: January-February, 2015

Construction Progress Reports for the Maxey Flats Disposal Site (MFDS) are being provided by the Kentucky Department for Environmental Protection. These reports represent an avenue of communication intended to inform and educate anyone interested in the final cap construction progress and related activities. This and future reports will be posted on the MFDS website at <http://waste.ky.gov/SFB/Pages/MaxeyFlatsProject.aspx>.

- The Final Closure Period (FCP) Construction Management Plan, the detailed plan for construction of the final vegetative cap at MFDS, was approved by the Commonwealth of Kentucky and the Environmental Protection Agency (EPA) in January.
- The Walker Company (TWC), the construction contractor, arrived at MFDS in January with equipment and personnel, constructed staging areas, and set up a construction office trailer.
- In February 2015, a public meeting was held at the Morehead National Guard Readiness Center, Morehead, Ky., to inform the public of the planned cap construction activities. The meeting was attended by approximately 60 people.
- The first monthly construction progress meeting was held at MFDS in February 2015.
- Samples of borrow soils were collected for laboratory testing. Borrow soils are those clean soils which are tested and meet certain engineering requirements. These soils will be used as leveling fill material for constructing the final cap.
- Erosion control measures were established below storm water management feature (SWMF) #2. Best management practices (BMPs) were included to reduce the move-



The haul road, seen on the hillside, is being cut from the borrow area in the valley up to MFDS. The field seen in the foreground is the primary borrow source and it will feature a storm water detention pond. Silt fences are being installed adjacent to all excavation sites to protect Rock Lick Creek.

Visit the MFDS website for more information.

<http://waste.ky.gov/SFB/Pages/MaxeyFlatsProject.aspx>

Construction Progress Report *(continued)*

Reporting Period: January-February, 2015

ment of sediment from the construction areas through storm water and include installation of silt fences, rock check dams and other features. Weekly surveys of BMPs are conducted to ensure the measures are performing adequately.

- The contractor has been clearing trees and vegetation for construction of the haul roads, SWMF #2 and #3, and borrow areas 1A and 4. All downed trees are being chipped. The clearing and chipping work will likely continue through the end of March 2015.
- Groundwater monitoring well AW-1 was properly abandoned due to construction of SWMF #3.



The Walker Company is primarily using heavy equipment to clear the haul road, borrow areas, and storm water management features.



This silt fence was installed adjacent to the protective riparian area of Rock Lick Creek to reduce runoff from the primary borrow area and protect the creek.



Cleared timber and brush are being chipped on site and will be recycled and used in erosion control measures.



Construction work, except for clearing and chipping, was halted or delayed in February due to heavy snow and wintry weather conditions.



| ESTIMATED TREE REMOVAL QUANTITIES SUMMARY | |
|---|--------------|
| | AREA (AC) |
| BORROW 1A | 2.27 |
| BORROW 1B | 0.26 |
| BORROW 4 | 2.41 |
| HAUL ROADS | 16.58 |
| STAGING AREA | 3.48 |
| TOTALS | 25.00 |

LEGEND

- LIMITS OF PROPOSED BORROW
- EXISTING ACCESS ROADS
- CREEK (STREAM CHANNEL)
- PROPERTY LINE
- PROPOSED ROAD/STAGING AREA



| | | | |
|-------|------|-------------|----|
| NO. 1 | DATE | DESCRIPTION | BY |
| | | | |

MAXEY FLATS FINAL CLOSURE CAP
 SITE LOCATION MAP
 FIGURE 1

| | | | |
|-------|------|-------------|----|
| NO. 1 | DATE | DESCRIPTION | BY |
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