



Maxey Flats Disposal Site
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The Kentucky Energy and Environment Cabinet (EEC) 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 that 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

March 2015 – Early June 2015

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

- **Governor Steve Beshear**, government officials, representatives from The Walker Company, and other team members kicked off the first week of June by shoveling the first load of dirt that will serve as part of MFDS’s permanent protective cap. In the photos (right), check out the capping progress The Walker Company made that week.



From left to right: Mark Day (AECOM), Franklin Hill (EPA), EEC Secretary Len Peters, Rep. Mike Denham, Governor Steve Beshear, Jeff Stamper (MFDS), Art Walker (The Walker Company).



- **The Walker Company has 10 off-road articulating dump trucks to transport the massive quantities of soil** needed for the cap via an on-site haul road that the company constructed during January through May of 2015. The haul road leads from a borrow area in the valley up to the southwest corner of the cap area. These articulating dump trucks seen in the photo below are 37 feet long and 12 feet tall.



Visit the MFDS website for more information.

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

Construction Progress Report (continued)

March 2015 – Early June 2015

- **Construction of the haul road** was completed in May. This included excavation, contouring, grading, construction of a haul road ramp, and initial construction of storm water management features. Seeding is ongoing and erosion control measures remain in place.



TOP LEFT, RIGHT, and MIDDLE: Photos of the haul road construction show progress from March 2015 through May 2015.

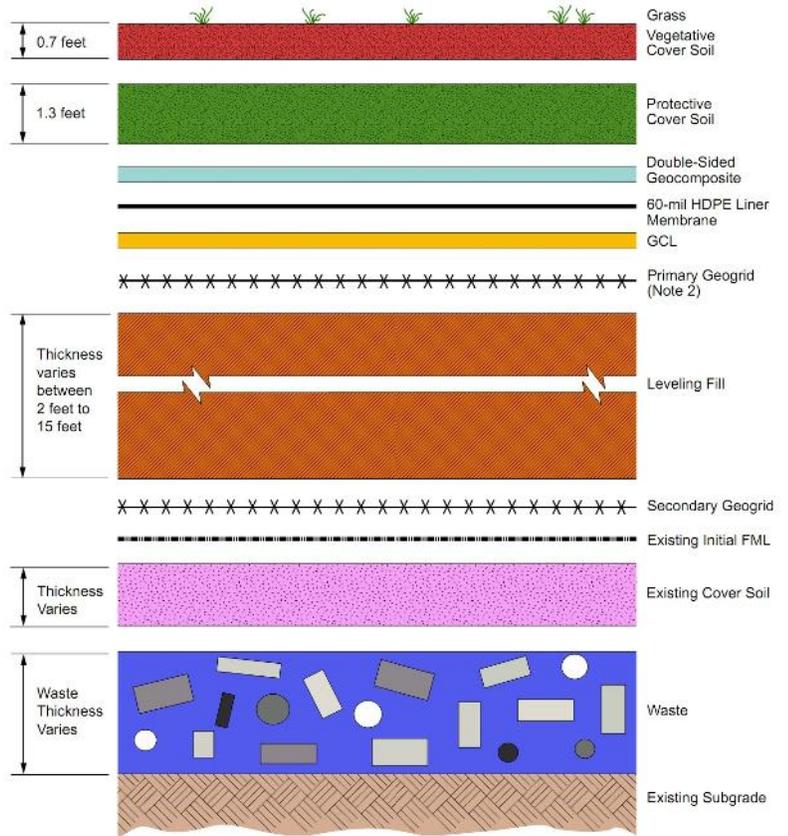
BOTTOM LEFT and RIGHT: Initial construction of storm water management features II and III, respectively, was completed in spring 2015.



- **Environmental Construction Inc** began placement of secondary geogrid and woven geotextile fabric on the west side and southwest corner of the cap area May 26, 2015, preceding the placement of the leveling fill that began in June. Check out the layers of the cap (right).



Final Cap Layers



Note 1: Spacing between geosynthetic layers and other layers is exaggerated in order to fully visualize the layers.

Note 2: Primary geogrid will be placed only in those areas where potential settlement may occur.

TOP LEFT and BELOW LEFT: *Shipment of the geogrid and woven geotextile, and placement of the geotextile.*

BOTTOM LEFT and RIGHT: *Placement of the secondary geogrid and placement of fill over the secondary geogrid..*



Maxey Flats Disposal Site Map



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