



State of New Jersey

Department of Environmental Protection
Site Remediation Program
Publicly Funded Response Element
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Trenton, New Jersey 08625-0420

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Fenimore Landfill IRM Work Summary **Week Ending July 19, 2013**

Summary of work to date: June 26-July 19, 2013

Mobilization: June 26-28

Nothing New-Previously Reported: This included mobilizing an excavator, bulldozer, combination backhoe/front-end loader, and roller. For application of the Posi-Shell a cement silo and PS applicator (a heavy duty hydro-seeder) are on site. Also on site are a 20,000 gallon water storage tank, a storage trailer and pallets of Posi-Shell. LSC Environmental Products, LLC (LSC-the purveyors of Posi-Shell and the flares) provided training June 27-28. SEP continues to house on site an office trailer, 2 storage trailers and a roller.

Posi-Shell Application

Posi-Shell was applied to all outside slope areas between June 28 to July 11. During that same time period, additional Posi-Shell (PS) was applied to the easternmost part of fill area and banked area along Poet's Peak wood line. Since July 11 various areas of the non-sloped, i.e. upper fill area, have been coated with PS. Using a revised estimated fill area of 15.5 acres (down from the initial 18 acres) some 12 acres have been coated-78% complete.

Discolored areas (staining) indicating Hydrogen Sulfide (H₂S) permeation through the PS has generally occurred in certain areas along both the northern and southern toes of the fill area. Very minimal staining has been observed in the upper fill area.

Solar Spark (Candlestick) Flares

DEP intends to site 5 flares directly in the stained toe of slope areas. Three will be installed along the northern (more stained) toe and 2 along the southern toe. The proposed locations have been field located and generally coincide with the areas of historically note high H₂S levels. One flare pit was installed along the northern toe on July 16. The balance of the toe of slope pits should be installed during the week of July 22.

On July 12 the 4 flare pits for the upper fill area were installed. Excavated fill was relocated within the fill area. Flare installation proceeded on July 17 with the complete installation of 1 flare which was ignited and sustained flame without supplemental fuel for about 6 hours. Whether or not supplemental fuel will be required later depends on continued operation of the flares and the quantity and quality of the fuel generated from the landfill. Flares will be operated only during daytime on-site working hours initially. The flares were partially installed on the other 3 flare pit stick-ups that same date but were not operational. Two flares were ignited on July 18, again, without the benefit of supplemental fuel. The last of the initial upper fill area flares was ignited on July 19. The balance of 5 flares should be on site by July 23 or 24 and are intended to be installed as quickly as possible.

Soil Erosion/Sediment Control:

The Morris County Soil Conservation District has provided guidance and based on same DEP has improved on the existing SE/SC features in place as of when DEP mobilized. This has included repairing failed berms and silt fence as well as constructing surface water diversions off the fill area as well as constructing drainage ditches (which are either currently coated or will be coated w PS) on the fill area which should help control the flow of water off the PS. Straw bales have also been deployed at the inlets to off fill drainage diversions.

There are no updates to this status for the week of July 15th.