



Portsmouth Gaseous Diffusion Plant

September 10, 2009

Monthly Waste Disposition Projects Update to the Site Specific Advisory Board

Total Waste Shipments for August 2009

- Two (2) supergondolas of low-level waste for a total of 356 cubic meters were shipped to Energy Solutions in Utah during the month of August. These were railroad ties from the Excess Materials Disposition Project.
- A total of 3,782 cubic meters of low-level and mixed low-level waste have been shipped to date through August in FY 2009 – exceeding the projected total of 3,109 cubic meters for the entire fiscal year.

Excess Materials Disposition

- Four excess rail cars were disassembled with the resulting frames provided to the Moonville Rail Trail Association for reuse as bridges on the Moonville Rail Trail in Vinton County. This reuse was coordinated with the Southern Ohio Diversification Initiative (see photos below).
- The X-752 concrete pad area on the northwest portion of the site has been cleaned and established as a staging area to receive waste from the American Recovery and Reinvestment Act (Stimulus) projects and other cleanup projects for subsequent transportation to final treatment, storage and disposal facilities.

Lube Oil/Pyranol Disposition (USEC scope)

Lube Oil:

- Removal and transfer of all bulk lube oil from the X-333 and X-330 Process Buildings is complete with the exception of two units in X-330 which are maintained for operational/backup activities.
- Removal and transfer from four of seven designated units in the X-326 Building are complete.
- Total lube oil removed for disposition through August 2009 is 175,190 gallons via ten railcars and 20 truck tankers.

Pyranol:

- Removal and transfer of pyranol from the X-333 Building transformers into railcars is complete. USEC has initiated the removal and transfer of pyranol from the X-330 Building transformers into railcars.
- The total pyranol removed for disposition through August 2009 is 118,130 gallons via seven railcars.





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Small Cylinders Disposition Phase II

- Project entails disposal of 713 cylinders: 300 with greater than “heel” quantities of UF₆; 127 cylinders returned from USEC after recovery of uranium and 286 clean empty cylinders recovered from eight waste containers that were stored in the X-326 building.
- DOE Readiness Assessment tentatively scheduled for mid-September 2009 contingent on completion of corrective actions from two heat trace incidents.
- To date, 120 of 127 cylinders have been moved to USEC (94%) for uranium recovery.
- Once stabilized, waste will be shipped to the Nevada Test Site.
- Project expected to be complete by mid-October 2009.

DOE Material Storage Areas 11 and 12

- Ongoing project to dispose of 324 total items of equipment stored in the X-326 Process Building.
- Shipment of 69 items (in 42 containers) has been completed to date for disposal at Nevada Test Site – no shipments in August 2009.
- Custom sized boxes have been ordered with delivery expected September 15, 2009.
- 15 shipments of oversized materials to begin the end of September 2009.
- Project completion has been extended to March 31, 2010.

Repackaging/Disposition of Surplus Uranium Materials – American Recovery and Reinvestment Act (ARRA) Project

- Scope includes repackaging and disposition of about 34% or approximately 1,000 metric tons (in 13 separate lots) of the total inventory of surplus uranium currently in storage in the Uranium Management Center.
- Materials will be disposed at the Nevada Test Site (NTS).
- First shipment to NTS scheduled for the week of September 21, 2009.



Pictured below are two lots of uranium materials to be disposed from the Uranium Management Center.

