



Portsmouth Gaseous Diffusion Plant

June 11, 2009

Monthly Waste Disposition Projects Update to the Site Specific Advisory Board

Total Waste Shipments for May

Eighty-five containers of waste totaling 305.5 cubic meters of low-level, mixed low-level, and non-radiological TSCA or RCRA wastes were shipped either for treatment or disposal during the month of May 2009. To date in FY 2009, a total of 3,123 cubic meters of low-level and mixed low-level waste have been shipped for disposal. LATA/Parallax has already surpassed the planned shipment amount (3,109 cubic meters) for all of FY 2009.

The breakdown for waste disposition in May included:

- Nevada Test Site: 10 containers of low-level waste totaling 77.41 cubic meters;
- EnergySolutions Disposal Facility in Utah: 16 containers of low-level waste totaling 196.53 cubic meters; 28 containers of mixed low-level waste totaling 19.08 cubic meters; two containers of TSCA low-level waste containing 0.42 cubic meters; and
- Perma-Fix Treatment Facility, Oak Ridge, TN: 29 containers of waste totaling 12.05 cubic meters.

Excess Materials Disposition

- Due to access restrictions to leased areas, LPP has submitted 13 of 17 areas of excess scrap materials on plant site for removal from scope.
- LPP has completed removal of scrap materials from the X-735 north area in Quadrant IV on the northern section of the site.
- LPP continues removing rail materials, scrap metal, pallets and wood ties in the other areas in Quadrant IV.
- LPP has begun the work packages for two areas in Quadrant III containing rail cars and rail materials.

Lube Oil/Pyranol Disposition.

- USEC is removing Toxic Substance Control Act (TSCA) regulated oils and lubricating oils from the three process buildings prior to decontamination and decommissioning.
- A contract is in place with Clean Harbors, Texas, to incinerate lube oils from Portsmouth.
- Total currently planned shipments in 2009:
 - Pyranol from X-330/X-333 Process Buildings: 1.9M lbs
 - USEC has shipped 174,624 lbs via one railcar
 - USEC has loaded 349,248 lbs into two railcars
 - Remaining oil for shipment is approximately 1.4M lbs
 - Lube Oils from X-330/X-333/X-326 Process Buildings: 1.7M lbs
 - USEC has shipped 457,163 lbs via three railcars
 - USEC has loaded 441,650 lbs into three railcars
 - Remaining oil for shipment is approximately 810,000 lbs





Portsmouth Gaseous Diffusion Plant

June 11, 2009

Small Cylinders Disposition Phase II

- Project entails disposal of 713 cylinders: 300 with greater than “heel” quantities of UF_6 ; 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.
- A LPP Readiness Assessment is scheduled the week of June 22, 2009, followed by a DOE Readiness Assessment.
- Stabilization contractor was mobilized June 1, 2009. An enclosure structure has been assembled in the center of the X-345 facility. The contractor is installing processing equipment and preparing for the LPP and DOE Readiness Reviews.
- Cylinder stabilization/solidification scheduled to begin in July 2009. 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 52 items has been completed to date for disposal at Nevada Test Site.
- Packaging of remaining items continues toward a September 30, 2009 completion date.

Polybottle Disposition

- This project was transferred to USEC, who is currently processing the polybottles for DOE to recover and reuse the uranium.
- To date, 379 of the 1,350 polybottles to be processed have been introduced into the system.
- The system is proceeding and USEC is currently awaiting laboratory results regarding the ASTM specifications for the processed material.

