



# Portsmouth Gaseous Diffusion Plant

May 14, 2009

## Monthly Waste Disposition Projects Update to the Site Specific Advisory Board

### Total Waste Shipments for April

One waste shipment totaling 19 cubic meters of newly-generated waste (7 containers: 2 TSCA, 5 LLW) was made to Energy Solutions in Utah during the month of April 2009. To date in FY 2009, a total of 2,818 cubic meters of low-level and mixed low-level waste have been shipped for disposal.

### Polybottle Disposition

- This project has been transferred to USEC. USEC is currently processing the polybottles for DOE to recover and reuse the uranium.

### Excess Materials Disposition

- Project to dispose of 17 areas of excess scrap materials on plant site.
- DOE has given approval to commence work on four areas.
- 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 prepared work packages and is beginning work for the 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. First rail car has been loaded and is awaiting shipment.
- Total planned shipments in 2009:
  - Pyranol from X-330/X-333: 2,010,472 lbs
  - Lube Oils from X-330/X-333/X-326: 1,063,314 lbs

### Small Cylinders Disposition Phase II

- Project entails disposal of 713 cylinders: 300 with greater than “heel” quantities of UF<sub>6</sub>; 127 cylinders returned from USEC after recovery of uranium and 286 clean empty cylinders recovered from waste containers that were stored in the X-326 building.
- A LPP readiness assessment will be in June, followed by a DOE readiness assessment.
- Cylinder stabilization/solidification to begin in late June 2009. Waste will be shipped to the Nevada Test Site.
- Project remains on schedule for completion by the end of September 2009.

### DOE Material Storage Areas 11 and 12

- Project to dispose of 324 total items of equipment stored in the X-326 Process Building.
- All 250 Non-Destructive Analyses (NDA) completed – measures amount of uranium inside equipment.
- Completed second shipment of <20% assay items (15) on April 28, 2009.

