



# Portsmouth Gaseous Diffusion Plant

March 2, 2009

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

### Total Waste Shipments for February

No wastes were shipped by LATA/Parallax in February. Procedures are being updated and work packages developed for upcoming projects. To date in FY 2009, a total of 2,768 cubic meters of low-level and mixed low-level waste have been shipped for disposal.

### Polybottle Disposition

- Project to disposition 781 polybottles of uranium cleaning solutions currently stored by USEC. LATA/Parallax to mix solutions with a polymer to solidify/stabilize the material for shipment.
- Area preparations: Chemical resistant epoxy paint completed in storage area and rack installation completed for safe configuration of polybottles in Building X-326.
- Work package development in process.
- Transfer of polybottles from USEC to LATA/Parallax scheduled for completion by April 30, 2009.

### Excess Materials Disposition

- Project to dispose of 17 areas of excess scrap materials on plant site.
- DOE has given approval to commence work on two areas.
- LATA/Parallax currently removing rail materials, scrap metal, pallets and wood ties in the two areas in Quadrant IV.
- DOE in discussions with USEC to schedule return of remaining areas.

### Lube Oil/Pyranol Disposition

- Received DOE Headquarters approval to treat/disposition both lube oil and pyranol under Authorized Limits for Disposal of TSCA Regulated Oil (Pyranol) and Authorized Limits for Disposal of Lubricating Oil per DOE Order 5400.5.
- USEC awarded contract last week with Clean Harbors Environmental Services.
- Discussions will be held week of March 2, 2009 between USEC and contractor to schedule shipments.

### Small Cylinders Disposition Phase II

- Project entails disposal of cylinders with greater than "heel" quantities of UF<sub>6</sub> and those cylinders returned from USEC after recovery of uranium.
- 300 cylinders that were determined to not contain recoverable uranium will be processed by LATA/Parallax and disposed as waste; about 127 cylinders to be disposed after USEC recovery of uranium.
- Cylinder inspections underway; preparing for project mobilization. Meeting scheduled week of March 2, 2009 with subcontractor to review process plans.
- Cylinder stabilization/solidification to begin in May 2009.

### DOE Material Storage Areas 11 and 12

- Project to dispose of 324 total items of equipment.
- Completed 245 of 250 Non-Destructive Analysis (NDA) - measures amount of uranium inside equipment.
- PCB sampling is 100% complete.
- Began packaging < 20% assay items on February 16, 2009; about 90% complete. First shipment





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## Monthly Decontamination & Decommissioning Projects Update to the Site Specific Advisory Board

### X-746 Shipping & Receiving Building Removal – Engineering Evaluation/Cost Analysis (EE/CA)

- Project is the proposed demolition of the former X-746 Shipping and Receiving Building, which has been unused since 2002.
- Engineering Evaluation / Cost Analysis (EE/CA) is the first step in the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) process to inform regulators and the public of the purpose and implications of the project.
- Draft EE/CA has been discussed with Ohio EPA.
- Draft EE/CA has been through extensive internal reviews to serve as a model for anticipated future demolition projects.
- Final review comments received March 2, 2009 and document to be resubmitted to DOE by March 5, 2009.
- EE/CA will be issued for public comment.



*X-746 Shipping & Receiving Building*



*X-345 Laboratory Equipment for Strip-out*

### X-345 Special Nuclear Materials Building Strip-out

- Project is to dismantle (i.e., strip-out), size reduce, package, and disposition the equipment and miscellaneous materials in the High Assay Isotopic Standards Preparation Lab (HAISP Lab) and High Assay Sampling Area (HASA) Laboratory from inside the X-345 Building, which are no longer used or needed.
- The X-345 Building is located near the junction of Process Buildings X-330 and X-333.
- Items specifically identified for removal and dispositioning include autoclaves, traps, compressors, atomic absorption spectrometer, glove boxes and miscellaneous piping and electrical items.
- Available Non-Destructive Analysis (NDA) data is currently under review – measures amount of uranium inside equipment.
- Fieldwork is scheduled to begin in the HAISP Lab in late March 2009.

