



# Portsmouth Gaseous Diffusion Plant

January 12, 2010

## Projects Update to the Site Specific Advisory Board D&D Subcommittee

### X-633 Cooling Tower Complex Decontamination and Decommissioning

- Work activities have started to support demolition (fluid draining, equipment removals)
- Field trailer installations completed
- Staff hired and trained
- American Recovery and Reinvestment Act (ARRA) project completion expected in June 2010



*In left photo, workers remove siding panels from Cooling Tower B. In right photo, with one pipe removed in the background, workers begin to remove a second pipe from the X-633 Cooling Tower.*

### X-746 Shipping and Receiving Building Removal

- Asphalt/Sub-base material removal is 60% complete; completion scheduled end of January 2010
- Backfill field work, re-seeding and demobilization completion by end of February 2010



*Soil is spread over previous building slab area at X-746 Shipping and Receiving site, January 5, 2010*





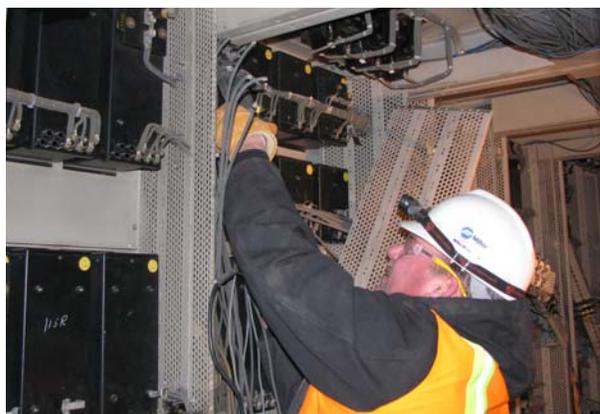
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### X-533 Switchyard Decontamination and Decommissioning

- Excess materials inventory complete
- Contract awarded for asbestos containing material removal
- Demolition equipment mobilized
- Employees trained and on-site



*Equipment removal begins in X-533 Control Room on January 5, 2010*

### X-701B Groundwater Plume TCE Source Removal

- Completed excavation and weathered shale blending of Cell #1 on December 31, 2009
- Started excavation of Minford soils on December 31, 2009



*Excavation of soils and oxidant treatment at X-701B groundwater plume area – December 2009*





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### X-740 Groundwater Plume Investigation

- DOE and Ohio EPA agreed to suspend further oxidant injections as treatment was not providing additional sufficient reduction in TCE
- DOE Headquarters is forming an independent review team to evaluate the X-740 groundwater plume area and provide recommendations

### 7-Unit Groundwater Investigation

- Currently evaluating remedial options to address, as an interim action, TCE hot spot areas in plume

## WASTE REMOVAL

### DOE Material Storage Areas (DMSAs) 11 and 12 in X-326 Building

- Project scope to remove 324 large items of equipment
- Shipment of 182 items complete to date – disposed at Nevada Test Site
- Packaging of remaining items continues toward March 31, 2010 completion date



*Workers prepare shipment of equipment from DMSAs in X-326 Building*

### Small Cylinder Phase II Removal Project

- Readiness Review completed and approval provided by DOE on December 2, 2009
- Initial phase: 404 cylinders for stabilization/disposal
- 100 cylinders processed as of January 5, 2010
- Completion of project expected end of March 2010





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### Calendar Year 2009 Waste Disposition – 3783.5 cubic meters

- Nevada Test Site: 269 containers of low-level waste (LLW) totaling 1128 cubic meters
- EnergySolutions, Cive, UT: 110 containers debris, LLW, mixed LLW, TSCA Mixed and LLW totaling 2617 cubic meters
- Perma-Fix of Florida: 79 containers of universal waste, TSCA waste, RCRA and mixed low-level waste totaling 24 cubic meters
- Diversified Scientific Services: 10 containers of mixed low-level and TSCA mixed low-level waste, totaling 11 cubic meters
- Materials and Energy Corporation (M&EC): one container of DUF4 low-level waste totaling 3.5 cubic meters

*A truck is loaded as part of the DOE Material Storage Area (DMSA) removal project in late 2009*

