

Portsmouth Work Activities Under American Recovery and Reinvestment Act of 2009



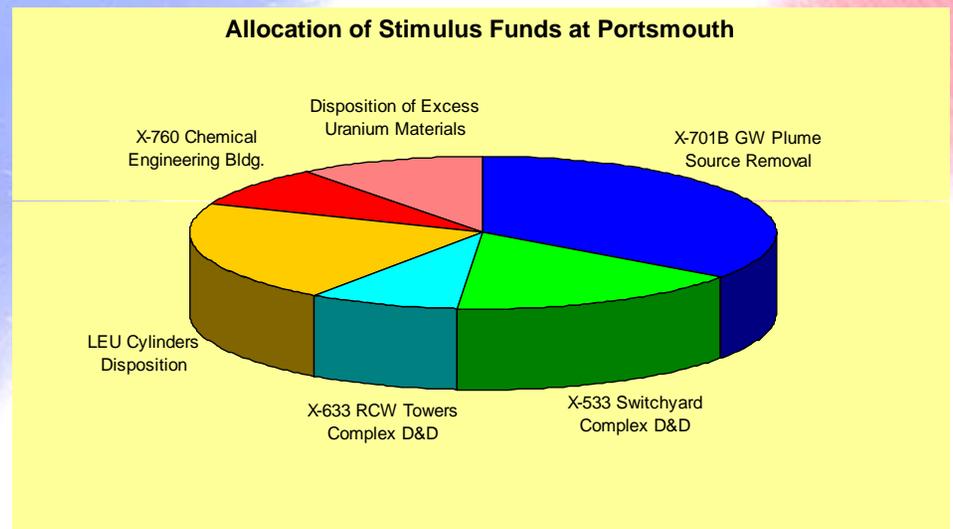
X-633 Cooling Tower Complex D&D



X-760 Chemical Engineering Building D&D

American Recovery and Reinvestment Act Projects

DOE submitted high-priority investment opportunities to accelerate cleanup activities under the President's stimulus funding package. The Portsmouth proposed work will provide \$118 million and over 200 jobs; it includes 6 projects to be completed by 2011.



American Recovery and Reinvestment Act Projects

➤ Project 1: Decontamination and Decommissioning (D&D) of the X-633 Recirculating Cooling Water Tower Complex

- Scope of work will include utilities isolation, hazardous material removal (excluding removal or treatment of soils), demolition of structures, final grading and ground cover of impacted areas, characterization and remediation (as necessary) of underlying soils, containerization, treatment (as necessary), and disposition of all demolition-related wastes; and identification/segregation of surplus equipment for reuse/recycle.
- Total waste resulting from completion of this project is estimated to be approximately 900,000 ft³ of construction and demolition debris.



American Recovery and Reinvestment Act Projects

- Project 2: Decontamination and Decommissioning (D&D) of the X-533 Switchyard Complex
 - Scope of work will include utilities isolation, demolition of structures, PCB-contaminated soil remediation, characterization of underlying soil, final grading and ground cover of impacted areas, identification/segregation of surplus equipment for reuse/recycle, and characterization, containerization, treatment (as necessary), and disposition of all waste.
 - Total waste resulting from completion of this project is estimated to be approximately 703,000 ft³.



American Recovery and Reinvestment Act Projects

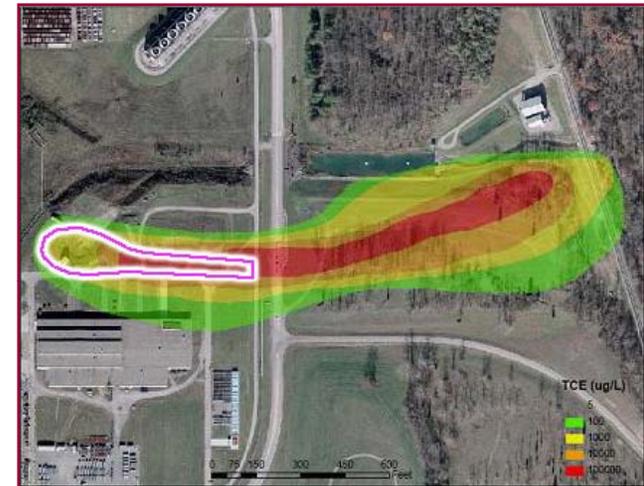
➤ Project 3: Decontamination and Decommissioning (D&D) of the X-760 Chemical Engineering Building

- Scope of work will include utilities isolation, excess equipment removal, hazardous material removal, demolition of 8,047 ft² structure built in 1954, ACM (Asbestos Containing Material) removal, final grading and ground cover of impacted areas, characterization of underlying soil; characterization, containerization, treatment (as necessary), and disposition of all waste.
- Total waste resulting from completion of this project is estimated to be approximately 200,000 ft³.



American Recovery and Reinvestment Act Projects

- Project 4: X-701B Groundwater Plume Source Removal
 - Scope of work will include utilities isolation and relocation, hazardous material removal, demolition of structures, characterization of underlying soils, sheeting and shoring for protection of structures, soil and groundwater remediation and disposal, final grading and ground cover of impacted areas, and characterization, containerization, treatment (as necessary), and disposition of all waste.



American Recovery and Reinvestment Act Projects

➤ Project 5: Disposition of Large Low-Enriched Uranium (LEU) Cylinders

- Scope of work will include stabilizing and disposing as waste about 2,300 UF_6 cylinders currently stored on the X-745E and G lots. Inventory includes 30-inch (2.5 tons) and 48-inch (10-ton and 14-ton) cylinders. Scope also includes process development, facility and equipment design, facility preparation and installation, safety and regulatory basis, procedure development, training, and processing, transporting and disposal of cylinders.



American Recovery and Reinvestment Act Projects

➤ Project 6: Repackaging and Disposition of Excess Uranium Materials

- Scope of work will include disposition of 13 lots of the total inventory in the Uranium Management Center.
- Project would open and inspect shipping containers for the purpose of receiving an approved Waste Profile for disposal at the Nevada Test Site (NTS). Containers would then be repackaged to meet the NTS Waste Acceptance Criteria and shipped for disposal.

