



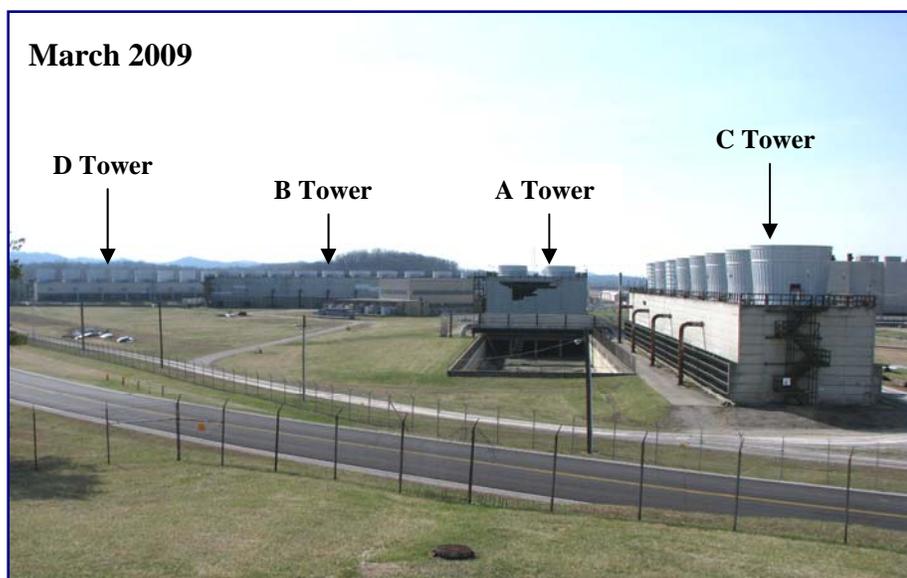
Portsmouth Gaseous Diffusion Plant

May 11, 2010

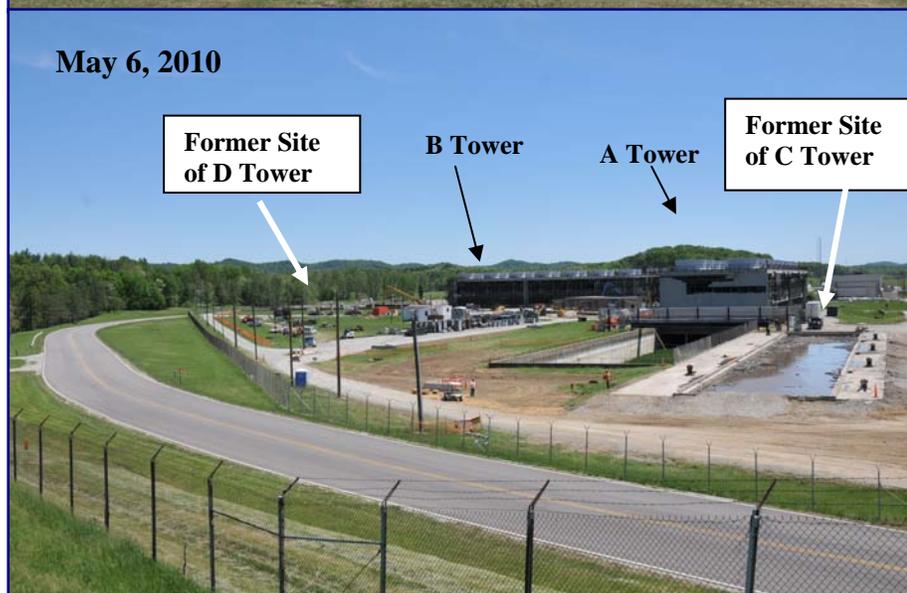
Projects Update to the Site Specific Advisory Board D&D Subcommittee

X-633 Cooling Tower Complex Decontamination and Decommissioning Update:

- Extensive progress has been made with removal of asbestos-containing transite panels from the cooling towers and equipment from inside the pump house.
- Towers C and D have been demolished as of the first week in May 2010; demolition of A and B ongoing.
- Completion of the American Recovery and Reinvestment Act (ARRA) project is expected in June 2010.



The X-633 Cooling Tower Complex is pictured at left. The top left photograph was taken in March 2009 prior to start of demolition work under the American Recovery and Reinvestment Act. The bottom left photograph was taken on May 6, 2010, after Towers C and D have been removed, leaving only A and B Towers and the pump house to be taken down. The photo below shows demolition activities at the C tower on April 22, 2010.





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X-533 Switchyard Decontamination and Decommissioning Update:

- 79 of 160 steel towers removed.
- Removed 245 of 850 tower concrete footer foundations.
- Completed asbestos abatement activities.
- Sampled 114 of 228 soil locations in the switchyard.
- Continued staging of materials for potential transfer to community reuse organization.



Demolition work began in the middle sections of the X-533 Switchyard. To date, 79 of the steel towers have been removed (about 50%).



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The photo at left shows the X-533 Switchyard D&D Project activities on May 6, 2010. Some of the large concrete footers that have been removed can be seen in the center area of the photograph.

X-701B Groundwater Plume TCE Source Removal

- Completed treatment at 17 of the 46 cells; 14,784 ft² of the total 42,000 ft² source treatment area being funded under ARRA have been completed.

Pictured at right, work continues in late April at the 18th cell location to excavate soils and treat the X-701B groundwater plume TCE-contaminated source area with sodium persulfate oxidant. Under the ARRA project, a total of 46 cells are planned for treatment to a depth of 30 ft on the western portion of the groundwater plume to chemically break down the TCE. TCE was an industrial cleaning solvent formerly used at the plant.





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Projects Update to the Site Specific Advisory Board D&D Subcommittee X-760 Chemical Engineering Building Decontamination & Decommissioning Update:

- Asbestos abatement completed and loose equipment removal nearly complete prior to D&D.
- Run-off collection and containment system being installed.
- Remedial Action Work Plan approval pending.



Pre-D&D actions at the 8,000 ft² X-760 Chemical Engineering Building (shown at left), including removal of windows and loose equipment, are nearly complete and ready for demolition work. In the foreground, the remaining concrete pad and footers have been removed from the adjacent site of the former X-770 Mechanical Test Facility and the soils graded. The white “super sacks” shown contain contaminated soils removed from the site and readied for shipment to Utah for disposal.

2010 Waste Disposition: January–April 2010 Container Shipments (7,645 m³ Total)

** Besides the shipments noted in the table at right, there were also 241 roll-off containers (totaling 5,680 m³) of industrial waste from the X-633 Cooling Tower and X-533 Switchyard D&D Projects that went directly to the Pike County Landfill. In addition, a total of 4 tankers containing 22,500 gallons of oils drained from the X-533 transformers were shipped to a vendor for reclamation by SODI.*

Waste containers listed in the chart include supergondola rail cars, T-hoppers, 55-gallon drums or B-25 waste containers.

DESCRIPTION	Jan	Feb	Mar	Apr	Total Containers
X-345 Lab Cleanout	0	3	7	0	10
X-746 D&D	9	14	0	.3	23.3
Uranium Management Center	22	1	261	85	369
X-770 Pad	0	0	36	72	108
X-701B	0	1	0	4.5	5.5
X-760 D&D	0	1	0	0	1
DMSA 11 & 12	18	16	13	7	54
Small Cylinders	0	14	7	26	47
TOTAL CONTAINERS *	49	50	324	195	618