



U.S. DEPARTMENT OF
ENERGY

Portsmouth Cleanup Progress DDFO Presentation

Portsmouth Site Specific Advisory Board
November 4, 2010



EM *Environmental Management*

safety ❖ performance ❖ cleanup ❖ closure

AGENDA



- ARRA Project Update
- DFF&O CERCLA Document Status
- Fluor-B&W Portsmouth, LLC Transition Update



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ARRA Project Cleanup Summary

- X-633 Recirculating Cooling Water Complex **Project Complete**
- X-760 Chemical Engineering Building
- Phase I **Project Complete**
- X-533 Switchyard Complex **80% Complete**
- X-701B Groundwater Remediation
- Phase I **Project Complete**
- Uranium Management Center **75% Complete**



X-633 COOLING TOWER COMPLEX



Before



After

Goal: To demolish X-633 Cooling Tower Complex by January 2011

Status: Project Complete

Project completed 7 months ahead of schedule



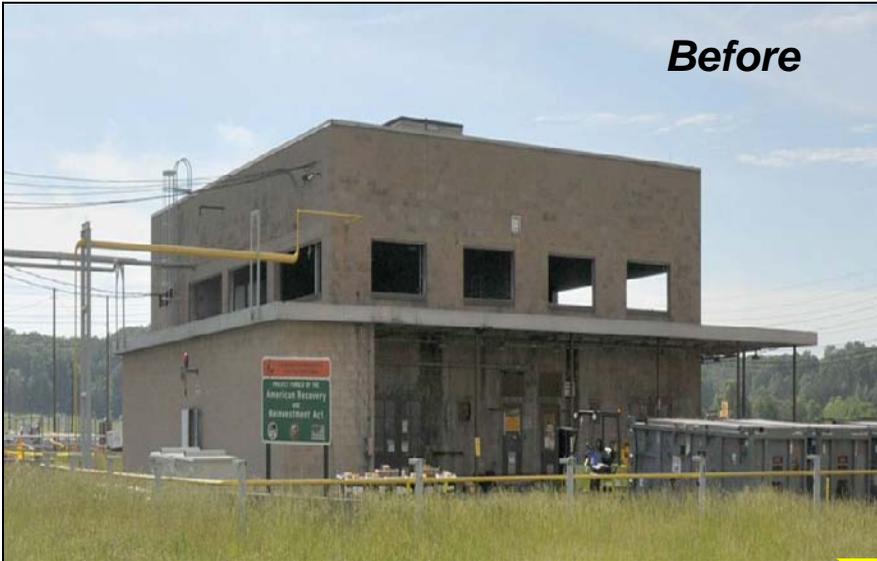
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X-760 CHEMICAL ENGINEERING BUILDING



Before



After



Goal: To demolish X-760 Chemical Engineering Building by October 2010

Status: Project Complete

Project completed 4 months ahead of schedule



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X-533 SWITCHYARD DEMOLITION



Goal: To demolish X-533 Switchyard by January 2011



X-533 Electrical Switchyard on October 12, 2010

Status: Asbestos removal is 95% complete

- ❖ Facility Demolition is 75% complete
- ❖ Foundation removal is ~95% complete
- ❖ Soil Sampling work is ~95% complete



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X-701B GROUNDWATER TCE SOURCE REMOVAL



Goal: To remove TCE source from X-701B Groundwater

Status: Phase II is nearly 65% complete (17,598 of 28,000 additional sq ft treatment area)



Phase I complete



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URANIUM MANAGEMENT CENTER



Goal: To repackage and dispose ~1268 metric tons of surplus uranium material

Status: Dispositioned 10 of 15 lots of surplus uranium - about 40% of the total inventory to be shipped under ARRA



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DFF&O CERCLA DOCUMENT STATUS



- Director's Final Findings & Orders (DFF&O's) is the enforceable agreement between Ohio EPA and DOE governing D&D of the Portsmouth GDP

- Requirements:
 - ❖ Engineering Evaluation/Cost Analysis (EE/CA) and removal actions for certain structures and buildings
 - ❖ Remedial Investigation/Feasibility Study (RI/FS) and Remedial Design/Remedial Action (RD/RA) for certain process buildings and complex structures
 - ❖ Site-wide waste disposition evaluation



DFE&O CERCLA DOCUMENT STATUS



➤ EE/CA Status:

- ❖ Engineering Evaluation/Cost Analysis for Group 1 Buildings X-103, X-334, and X-344B
 - Submitted to Ohio EPA on Oct 7 for their 30-day review
 - Notice for public comment period to be issued next week

- ❖ Engineering Evaluation/Cost Analysis for the X-626 and X-630 Recirculating Cooling Water Complexes
 - Submitted to Ohio EPA on Oct 7 for their 30-day review
 - Notice for public comment period to be issued next week



DFF&O CERCLA DOCUMENT STATUS



Process Building RI/FS Status:

- ❖ Pre-Investigation Evaluation Report currently in development
- ❖ Future D&D and Recycling Subcommittee focus for this year

Site-Wide Waste Disposition Status:

- ❖ Pre-Investigation Evaluation Report submitted to OEPA on October 8, 2010
- ❖ Work Plan currently in development
- ❖ Waste Disposition Subcommittee focus for this year



FLUOR-B&W PORTSMOUTH, LLC TRANSITION STATUS



- Notice to Proceed given on September 14, 2010
- DOE and Fluor-B&W conducting contractual, scope, and submittal reviews to prepare for contract start date
- Fluor-B&W transition period ends on January 16, 2011
- LPP and USEC will continue ongoing cleanup activities



CLOSING



- SSAB Subcommittee Meetings – Tuesday, November 9, 2010
- Final Remarks



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