

# Portsmouth Gaseous Diffusion Plant



## Framework for Decision Making

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**Portsmouth Environmental Management**

**Site Specific Advisory Board**

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# Presentation Objectives

- September Site Accomplishments and Ongoing Projects
- Key Future Scope Areas
- X-746 Removal Project Engineering Evaluation and Cost Analysis

# September 2008 Accomplishments



*Converter Shell  
Shearing Completed*

**Final converter shell sheared  
ahead of schedule on  
September 18, 2008 by  
LATA/Parallax**



# September 2008 Accomplishments

*Initial Phase of  
Technetium-99  
Cleanup Project  
Completed*

**15,044 metric tons  
of out of  
specification  
uranium returned  
to reuse for the  
nuclear industry**



# FY09 Planned and Ongoing Projects - *Status*

- **Ongoing X-701B Oxidant Treatment Project**
- **Ongoing X-749 / X-120 Optimization Project**
  - ❖ **X-770 Pad Removal/Investigation**
- **Planned X-344C Deferred Unit Investigation**
- **Planned 7-Unit Groundwater Plume Investigation**
- **Planned X-746 Decontamination and Decommissioning**

# FY09 Priority Projects

- Complete shutdown and demobilization after successful completion of Technetium-99 (Tc-99) project
- Continue operational readiness reviews and testing for Depleted Uranium Hexafluoride (DUF6) Conversion Facility in support of future operations
- Complete Cold Shutdown activities in the former gaseous diffusion operations facilities and transition towards D&D activities
- Complete X-701B oxidation injection system field treatment activities, and complete Quadrant II remedial actions

# Future Planning – *Environmental Remediation*



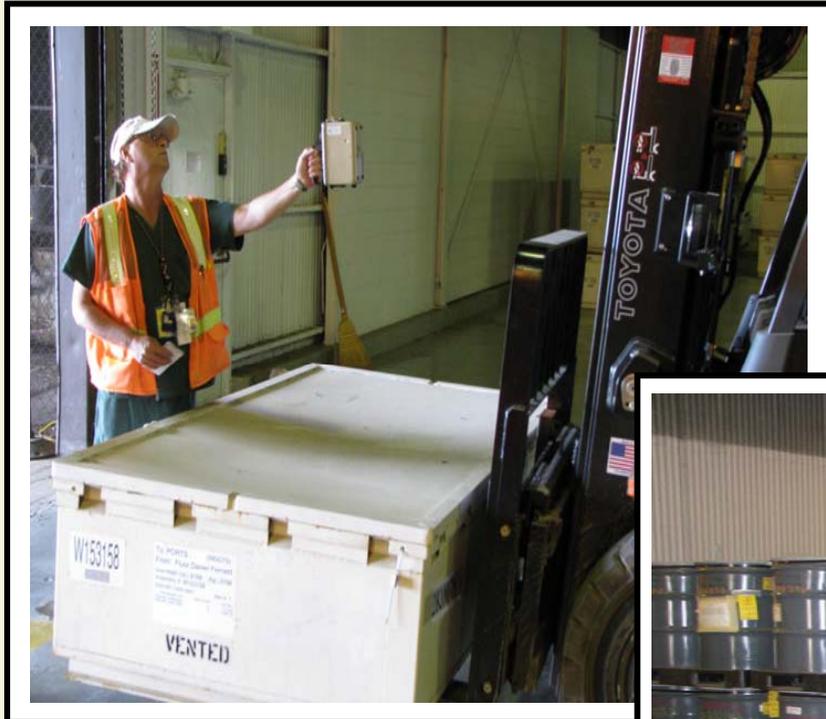
**Oxidant injection treatment  
at X-701B groundwater  
plume area**

# Future Planning – *D&D Scope*



**Portsmouth Site Specific Advisory Board 2008**

# Future Planning – *Material Dispositioning*

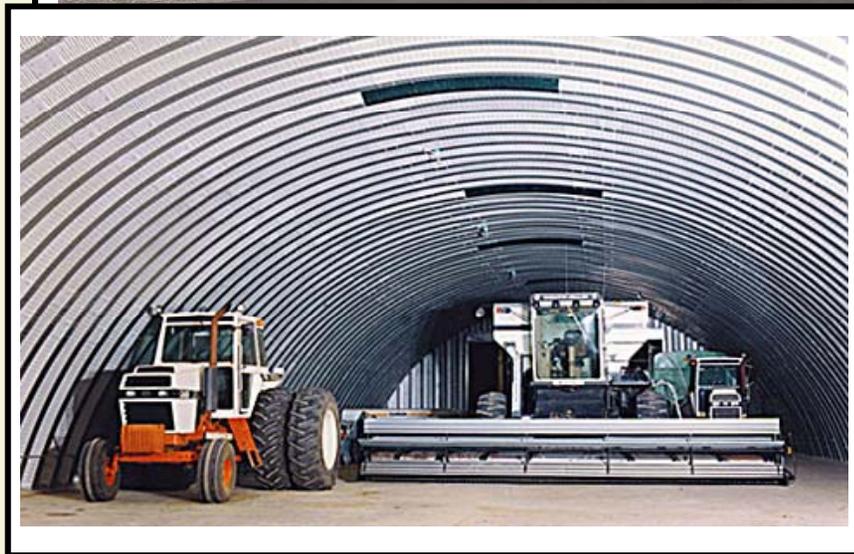
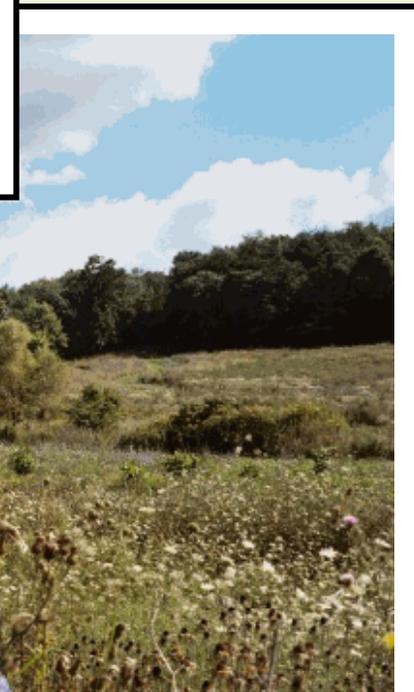
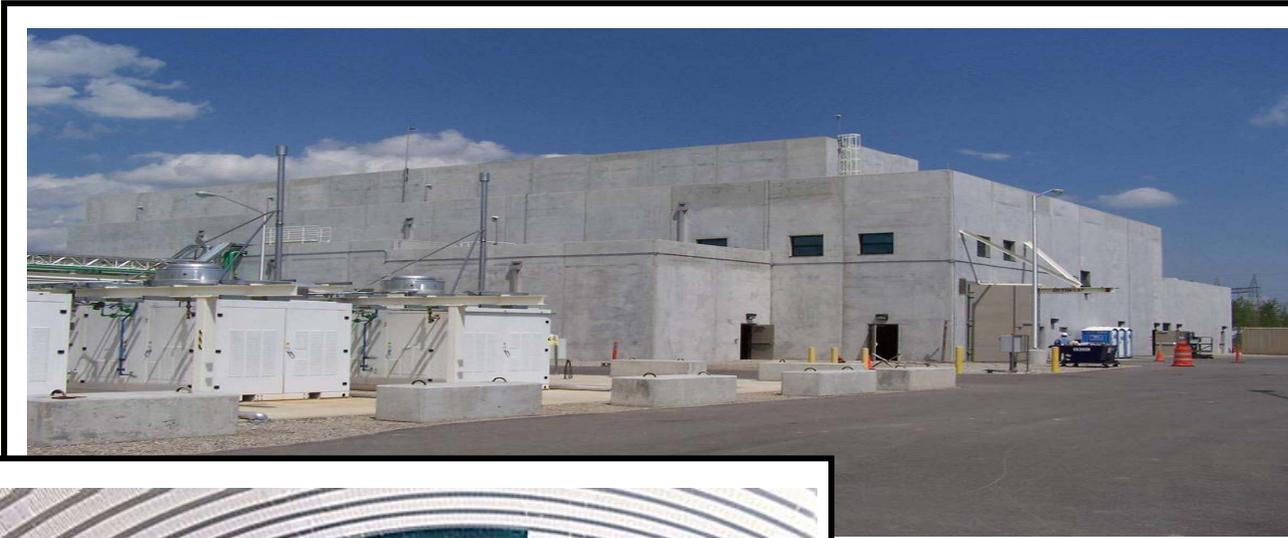


**Surveying of depleted uranium metal container before shipping**

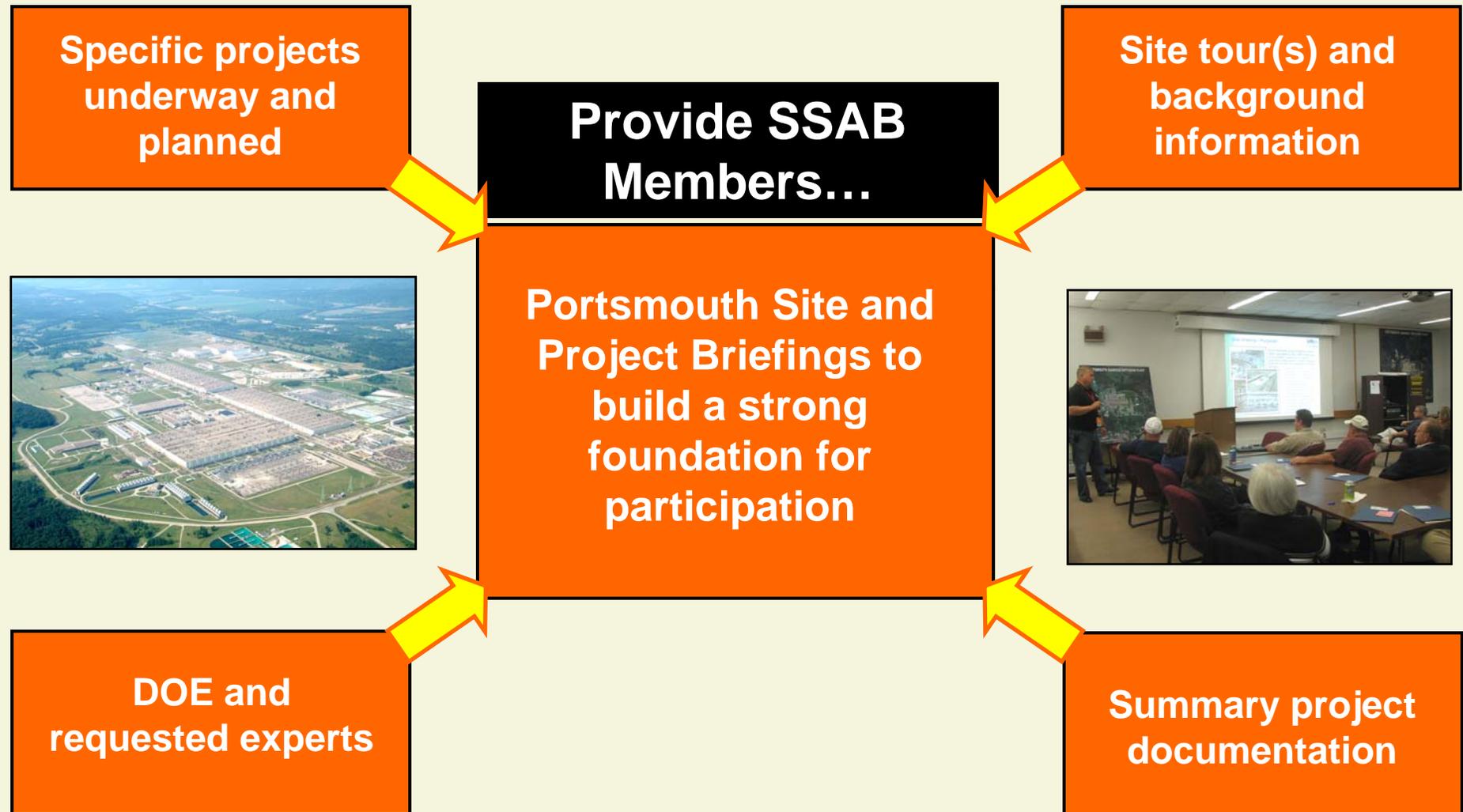
**Drums of material to be dispositioned from the Uranium Management Center**



# Future Planning – *Future Site Use*



# SSAB Building Blocks – *Portsmouth Overview*



# **SSAB Planning - *Retreat***

- **Tentatively scheduled for October 24-25, 2008**
- **Details to be discussed this evening and finalized through e-mail**
- **Draft agenda to focus on site tour, comprehensive review of the site, and development of task force work plans**
- **Additional agenda items to be developed from member recommendations**

# Contacts

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