



Decontamination and Decommissioning  
Committee Meeting  
5:30 p.m. \* May 14, 2009  
The Ohio State University Endeavor Center  
1862 Shyville Road, Piketon, Ohio 45661

*Co-Chairs*  
**Val Francis**  
**Richard Snyder**

*Board*  
**Shirley Bandy**  
**Lee Blackburn**  
**Gene Brushart**  
**Edwin Charle**  
**Andrew Feight**  
**Bobby Graff**  
**Franklin Halstead**  
**Sharon Manson**  
**Stephen Martin**  
**Daniel Minter**  
**Larry Parker**  
**Michael Payton**  
**Cristy Renner**  
**Terri Ann Smith**  
**Lornita Swain**

*Agenda*

- |   |         |
|---|---------|
| 1. Review of Summary  | 10 mins |
| 2. Approval of agenda   | 5 mins  |
| 3. June 11th Workshop Details;<br>Approval of the Agenda for that Program | 15 mins |
| 4. OEPA Comments and Discussion   | 20 mins |
| 5. Ongoing D&D Project Status   | 20 mins |
| 6. LPP Budget/Schedule Overview   | 20 mins |
| 7. Concerns/Announcements/Other   |         |

*Deputy Designated  
Federal Official*  
**Dave Kozlowski, DOE**

*Federal Coordinator*  
**Greg Simonton, DOE**

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*Support provided by  
EHI Consultants*



## **Decontamination and Decommissioning Committee**

Meeting Summary

May 14, 2009 • 5:30 p.m.

The Ohio State University Endeavor Center

1862 Shyville Road, Piketon, OH 45661

**Committee Members Present:** Lee Blackburn, Andrew Feight, Frank Halstead, Sharon Manson, Dan Minter, Larry Parker, Terri Ann Smith, Dick Snyder, Lorry Swain

**Executive Committee:** Val Francis

**DOE Representatives:** Dave Kozlowski and Bill Murphie

**DOE Employees, Contractors and Regulators:** Cid Voth, DOE; Bill Franz, LPP; Ken Dewey and Maria Galanti, Ohio EPA; Michael Rubadue, Ohio Dept of Health

**Support Staff:** Julie Galloway and Brandy Moore, EHI

### **1. Review of Summary:**

- **Halstead** motioned to approve the minutes with changes to correct Cid Voth's name and on page 5 replace carries with covers, ***motion seconded.***
  - There was a brief discussion on the format of the summaries and the board responding within a week with their changes.
- ***Motion carries***

### **2. Review of agenda:**

- **Halstead** motioned to approve the agenda, ***motion seconded.***
- ***Motion carries***

### **3. June 11<sup>th</sup> Workshop Details:**

- Approval of the Agenda for Workshop
- There was a discussion on who was coming to the workshop and the topics that would be discussed. It was also discussed that the Committee would like to have refreshments; EHI will check to see if it can provide this. DOE will confirm if it will cover travel expenses for the speakers.

### **4. OEPA Comments and Discussion:**

- Maria Galanti with Ohio EPA discussed the extension period, the stimulus cleanup moving forward and mentioned that the Ohio EPA would check into having a workshop to better understand the process of sampling.

5. **Ongoing D & D Project Status:**

- **Franz**, with LATA Parallax, covered the monthly status report.
  - X-746 Shipping & Receiving Building Removal – Engineering Evaluation/Cost Analysis (EE/CA)
  - X-345 Special Nuclear Materials Building Strip-out
    - Sample results are back from process, the X-345 is a fairly new building and they will start to strip it out in a few weeks.
- A copy of this handout is available online at [www.ports-ssab.org/flu.html](http://www.ports-ssab.org/flu.html)

6. **LPP Budget/Schedule Overview:**

- **Murphie**, with DOE, discussed the budget for Latta/Parallax.
  - There was a discussion period with more questions concerning the pay ranges for Administrative positions, **Murphie** will check on this information and get back with the committee.

7. **Concerns/Announcements/Others:**

- It was recommended that the Executive Committee look at the concerns on how things function.

8. **Action Items:**

- Workshop to explain the EE/CA process.
- **Swain/Minter** will present a report of the meeting back to the full board.

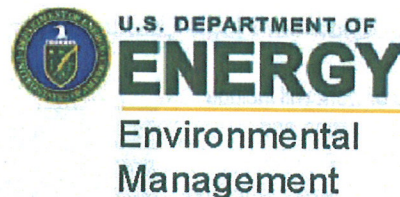
**Minter** motioned to adjourn meeting, **motion seconded.**

- **Motion carries**

**Next meeting Thursday, June 11, 2009, 5:30 p.m.**



# ENVIRONMENTAL MANAGEMENT (EM) AMERICAN RECOVERY AND REINVESTMENT ACT OF 2009



## FACTS AT A GLANCE : PORTSMOUTH

Funds provided: \$118 million

Jobs to be created/saved: Over 200

Project duration: Completion by 2011

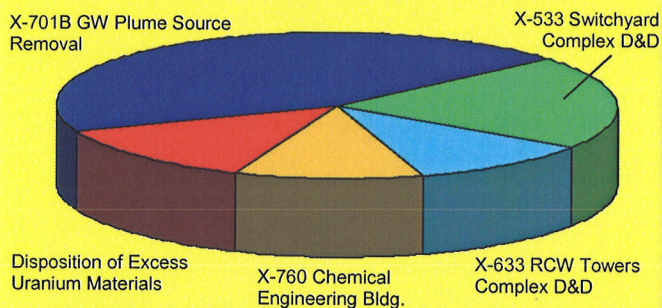


**EM's Mission:** DOE is responsible for the risk reduction and cleanup of the environmental legacy of the Nation's nuclear weapons program, one of the largest, most diverse and technically complex environmental programs in the world.

**How were projects identified and selected:** The Portsmouth regulators and the local site specific advisory board have expressed support for acceleration of proposed work activities for decontamination and decommissioning (D&D), soil remediation, and uranium disposition at the gaseous diffusion plant site. It is also anticipated that the local community reuse organization will express interest in the reuse/recycle of surplus materials and equipment.

**Where will information be posted:** Information will be available at the following website:  
~ <http://www.em.doe.gov/emrecovery>

### Allocation of Stimulus Funds at Portsmouth



### Portsmouth Gaseous Diffusion Plant Piketon, Ohio



Projects receiving stimulus package funding at the Portsmouth Gaseous Diffusion Plant will include:



### 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 the removal or treatment of soils), demolition of structures built in 1954-55, 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 waste; and identification/segregation of surplus equipment for reuse/recycle.
- Estimated total waste resulting from completion of this project is estimated to be approximately 900,000 ft<sup>3</sup> of construction and demolition debris.

### Decontamination and Decommissioning (D&D) of the X-760 Chemical Engineering Building

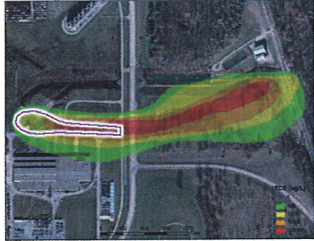
- Scope of work will include utilities isolation, excess equipment removal, hazardous material removal, demolition of 8,047 ft<sup>2</sup> structure built in 1954, ACM (Asbestos Containing Material) removal, final grading and ground cover of impacted areas, characterization of underlying soil; characterization, containerization, treatment (as necessary), and disposition of all waste.
- Estimated total waste resulting from completion of this project is estimated to be nearly 200,000 ft<sup>3</sup>





## X-701B Groundwater Plume Source Removal

- ▶ Scope of work will include utilities isolation and relocation, hazardous material removal, demolition of structures, characterization of underlying soil, 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.



X-701B Plume Source Removal Area  
(area in outlined 'spoon')

### ▶ X-701B Information

- X-701B Holding Pond was used from the beginning of plant operations in 1954 until November 1988.
- Pond was designed for neutralization and settlement of acid waste from several sources. Organic solvents, including trichloroethene (TCE), were also discharged to the pond.
- Three extraction wells and two interceptor trenches have been utilized at the groundwater plume.
- Oxidant injection using a solution of hydrogen peroxide was performed at the location from 2005 until 2008. Remedy has been deemed no longer effective.



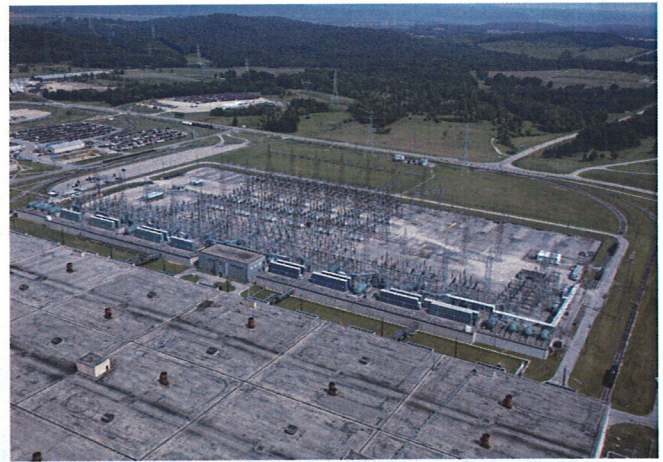
Uranium Management Center

## Repackaging and Disposition of Excess Uranium Materials

- ▶ Scope of work is the disposition of approximately 34 percent or 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.



## 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.
- ▶ Estimated total waste resulting from completion of this project is estimated to be approximately 703,000 ft<sup>3</sup>
- ▶ **X-533 Information**
  - During operations from 1954 under being de-energized in November 2008, the switchyard received power from the Ohio Valley Electric Corporation system. Switchyard then delivered power to the switch houses for distribution to the X-333 Process Building and area auxiliaries.



# ENVIRONMENTAL MANAGEMENT (EM) AMERICAN RECOVERY AND REINVESTMENT ACT OF 2009

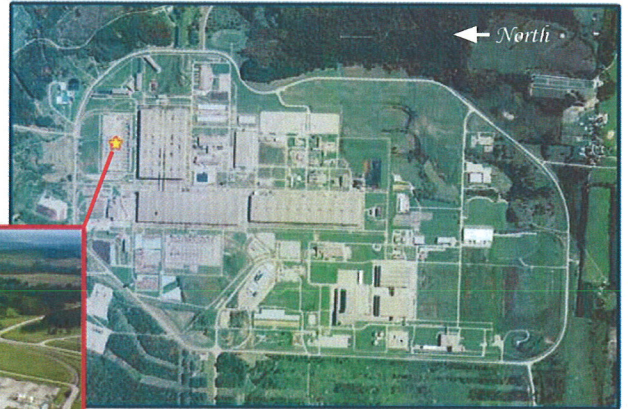


U.S. DEPARTMENT OF  
**ENERGY**

Environmental  
Management



## PORTSMOUTH PROJECT : Decontamination and Decommissioning (D&D) of the X-533 Switchyard Complex



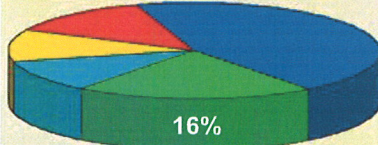
*\*Pre-D&D: Accelerated cleanup projects to be completed prior to major Decontamination & Decommissioning Project.*



During operations from 1954 until being de-energized in November 2008, the switchyard received power from the Ohio Valley Electric Corporation system. The switchyard then delivered power to the switch houses for distribution to the X-333 Process Building and area auxiliaries.

### Allocation of \$118M Stimulus Funds at Portsmouth

*\*Graph does not include contractor fees*



X-533 Switchyard  
Complex D&D

### SCHEDULE

#### Planning

May 6, 2009 thru July 1, 2010

#### Project Management

May 6, 2009 thru Nov. 2, 2010

#### Pre-D&D

July 30, 2009 thru Jan. 27, 2010

#### Waste Disposal

Sept. 1, 2009 thru Nov. 2, 2010

#### Demolition

Nov. 10, 2009 thru Aug. 27, 2010

#### Soil Remediation

Dec. 28, 2009 thru Sept. 14, 2010

### PROGRESS TO DATE

Inventory of excess materials has been completed at this time.

- ◆ 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 and characterization of surplus equipment for potential reuse/recycle.
- ◆ Estimated total waste resulting from completion of this project is approximately 703,000 cubic feet.



*One of 18 large transformers sits idle after the switchyard was removed from service and its Extra High Voltage (EHV) lines de-energized on November 1, 2008. This was made possible by a project to divert the X-533 loads to the X-530 Switchyard which remains in service.*





# Portsmouth Gaseous Diffusion Plant

May 14, 2009

## Monthly Decontamination & Decommissioning Projects Update to the Site Specific Advisory Board

### X-746 Shipping & Receiving Building Removal – Engineering Evaluation/Cost Analysis (EE/CA)

- Project is the proposed demolition of the former X-746 Shipping and Receiving Building, built in 1954 to store uranium. The building later was used as a shipping and receiving facility and has been unused since 2002.
- Engineering Evaluation / Cost Analysis (EE/CA) is the first step in the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) non-time critical removal process to inform regulators and the public of the purpose and implications of the project.
- The EE/CA was issued for public comment on April 8, 2009. The recommended alternative is to remove the building contents, demolish the structure and dispose of the wastes.
- Public comment period has been extended until June 8, 2009.
- Postcard notices of the public comment period extension were mailed week of May 11, 2009.



*X-746 Shipping & Receiving Building*



*X-345 Laboratory Equipment for Strip-out*

### X-345 Special Nuclear Materials Building Strip-out

- First waste shipment of mixed low-level RCRA waste was made on March 30, 2009 for treatment and disposal at Energy Solutions in Clive, Utah.
- The project is currently in the final preparation stages to start strip out of the majority of equipment in the High Assay Isotopic Standards Preparation (HAISP) Lab. The expected start date is May 26, 2009.
- Absence of asbestos in process insulation scheduled to be verified May 18, 2009.
- Site Subject Matter Experts (SME) are providing project support.

### Key Project Contacts:

- ❖ Melda Rafferty, U.S. Department of Energy, (740) 897-5521; e-mail: [melda.rafferty@lex.doe.gov](mailto:melda.rafferty@lex.doe.gov)
- ❖ Bill Franz, LATA/Parallax Portsmouth LLC, (740) 897-2203; e-mail: [bfranz@lpports.com](mailto:bfranz@lpports.com)

