



# **DEPUTY DESIGNATED FEDERAL OFFICIAL PRESENTATION**

JOEL BRADBURNE, PORTS SITE LEAD  
U.S. DEPARTMENT OF ENERGY

**Portsmouth Site Specific Advisory Board  
October 6, 2011**

# Agenda

1. Plant Updates
2. Regulatory Progress
3. Public Outreach
4. Calendar



# Plant Updates

## Process Building Deactivation Activities



X-326 cell treatments to  
remove material holdup

Completed random  
sampling and four  
cut/cap activities.

Began judgmental  
sampling.

Ongoing excess  
material removal,  
equipment isolation,  
and cell treatments.

# Plant Updates

## Process Building Deactivation Activities



20% of cells in X-330 have oil lines/valves drained and removed.

Completed random sampling and four cut/cap activities.

Began judgmental sampling.

Ongoing equipment isolation.

# Plant Updates

## Process Building Deactivation Activities



**X-333 Bulk Asbestos Abatement and Demolition begins**

Completed random sampling and 2 cut/cap activities.

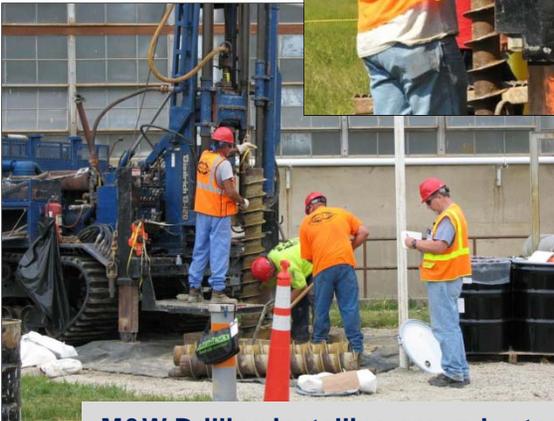
Began judgmental sampling.

99% of cells in X-333 have oil lines/valves drained and removed.

Local sub-contractor, Solid Rock Construction of Portsmouth, Ohio, removes the first of 206 Arc Chute Breakers from the X-333 Process Building as part of the bulk asbestos abatement and demolition project.

# Plant Updates

## Environmental Remediation Activities



M&W Drilling installing groundwater monitoring wells. More than 1,000 monitoring wells have been installed at PORTS.



# Plant Updates

## Environmental Remediation Activities



# Plant Updates

## Waste Disposition



American Recovery and Reinvestment Act

Prepared more than 14,000 miscellaneous items, from steel piping to old forklifts, for either recycle or disposal.

Excess Material  
Cleanup Project



Company Wrench mechanics Gary Moore and Dave Nida work at the X-747A material storage yard.

# Plant Updates

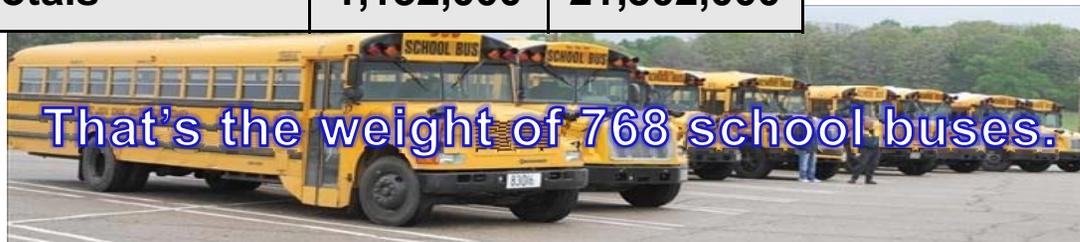
## Waste Disposition

Waste Category Shipped Off Site	Sum Vol (in cubic feet)	Sum Waste Wt (in pounds)
Resource Conservation and Recovery Act	300	4,000
Resource Conservation and Recovery Act Mixed	34,000	1,000,000
Asbestos	800	1000
Asbestos Low-Level	4,300	86,000
Toxic Substance Control Act	300	29,000
Toxic Substance Control Act Mixed	9,000	780,000
Low-Level	113,000	3,000,000
Universal	300	2,000
Sanitary/Industrial	280,000	6,600,000
Recycle	690,000	10,000,000
<b>Totals</b>	<b>1,132,000</b>	<b>21,502,000</b>



*More than 21 million pounds of various waste and materials have been removed from the site since March 29<sup>th</sup>, 2011.*

\*Values are approximate



*That's the weight of 768 school buses.*



# Plant Updates

## Investment Recovery

X-533 Switchyard project is *100% complete*

More than 8.1 million pounds of metal removed from X-533 Switchyard.



738 30-yard roll off containers filled.



Hadsell Development unloads a roll off container in which to package recyclable metal.

# Plant Updates

## Investment Recovery

More than 1.25M lbs of scrap material estimated at X-744-W.

Began facility inventory at X-530 Switchyard.

Initiated walk downs at the X-742, X-744-H and X-744-J Warehouses.

More than 1.1M lbs of scrap steel estimated for recycle from X-103, X-605, X-334 and X-630.



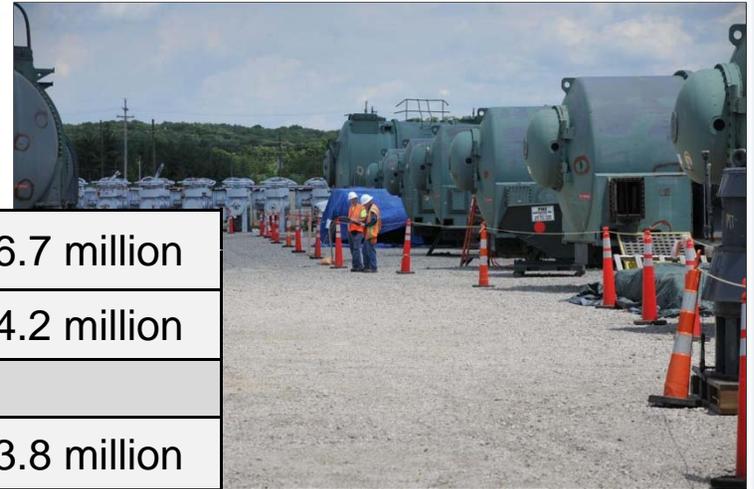
Kylea Barnes verifies the transportation load for a motor X-630 Recirculating Water Pump House for shipment for the Southern Ohio Diversification Initiative (SODI).

# Plant Updates

## Investment Recovery

### SODI Asset Transition Summary

Estimated Weight (in pounds)	16.7 million
Estimated Value	\$4.2 million
<b>Actual Transactions</b>	
Amount received by SODI	\$3.8 million
<i>Amount SODI paid back to DOE</i>	<i>\$1.9 million</i>
<i>SODI program operating expenses to date</i>	<i>\$400,000</i>
<i>Economic Development Investment by SODI</i>	<i>\$150,000</i>



Assets transferred to SODI  
are securely stored at the  
Zahns Corner Industrial Park.

# Plant Updates

## Investment Recovery

SODI awarded a \$150,000 grant to the Southern Ohio Port Authority to relocate power lines in the Bob Walton Sr. Industrial Park in New Boston.



### SOUTHERN OHIO DIVERSIFICATION INITIATIVE

*"This is the first allocation of funding to support economic development efforts in the four-county region as a result of proceeds SODI has received from the recycling of excess clean scrap metals at the Department of Energy's Piketon plant,"* said **Steven Shepherd, SODI's executive director.**

Reliance Steel, a steel processing and sales company, will construct a \$13 million facility and employ about 100 people.

# Plant Updates

## USEC Facility De-Lease Update



**William Murphie**  
US Department of Energy  
Portsmouth/Paducah  
Project Manager

*"This is the next step in the Department's initiative to move forward and complete the D&D of the facilities. As a team we're preparing the site for future industrial and community endeavors."*



On October 1, USEC returned the gaseous diffusion plant facilities to DOE

USEC hosted a flag retirement ceremony shortly before midnight on September 30, 2011, at the X-100 Administration Building.

# Plant Updates

## USEC Facility De-Lease Update



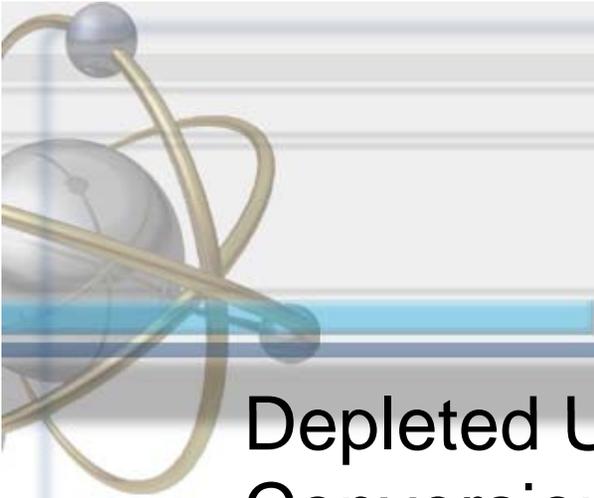
**Dr. Vince Adams**  
US Department of Energy  
Portsmouth Site Director

*“Ownership of the work by a single contractor [FBP] now provides for better efficiency and better focus for all of our transitioned site workers.”*



**More than 500 USEC employees transitioned to Fluor-B&W**





# Plant Updates

## Depleted Uranium Hexafluoride (DUF<sub>6</sub>) Conversion Facility

At 3:43pm on September 30, 2011, all production lines became fully operational.



**B&W** conversion services, llc

Full production expected within one year.

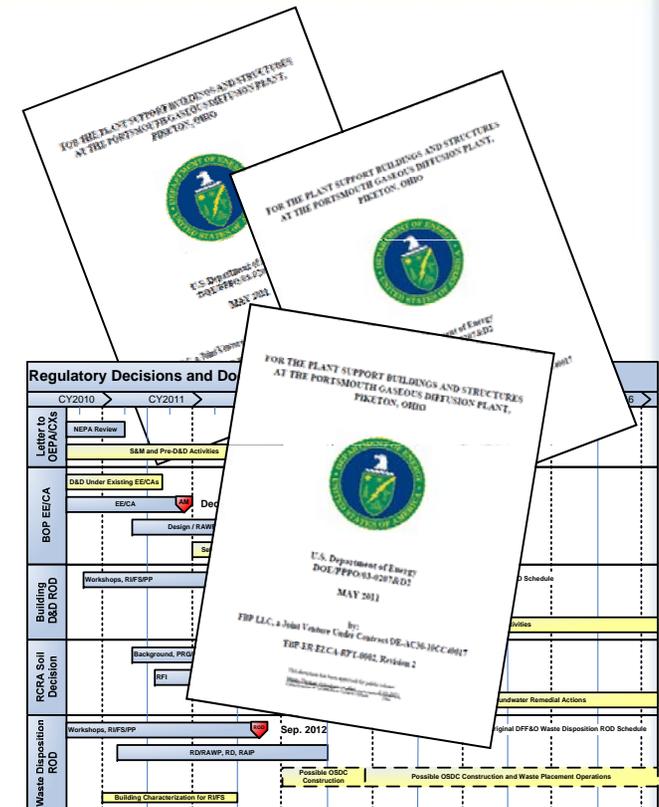
# Regulatory Progress

## Decision Documents

Balance of Plant (BOP) Engineering Evaluation/Cost Analysis (EE/CA) submitted to Ohio EPA on September 12, 2011.

Process Buildings Remedial Investigation/Feasibility Study (RI/FS) Work Plan submitted to Ohio EPA September 13, 2011.

Preparing Waste Disposition Remedial Investigation/Feasibility Study (RI/FS) Work Plan and Geotechnical Sampling and Analysis Plan.



# Public Outreach



*Site Director Dr. Vince Adams spoke to nearly 200 students in grades K-12 and their parents at a Back to School Program at the Church of Christ Apostolic Faith in Columbus.*

# Public Outreach



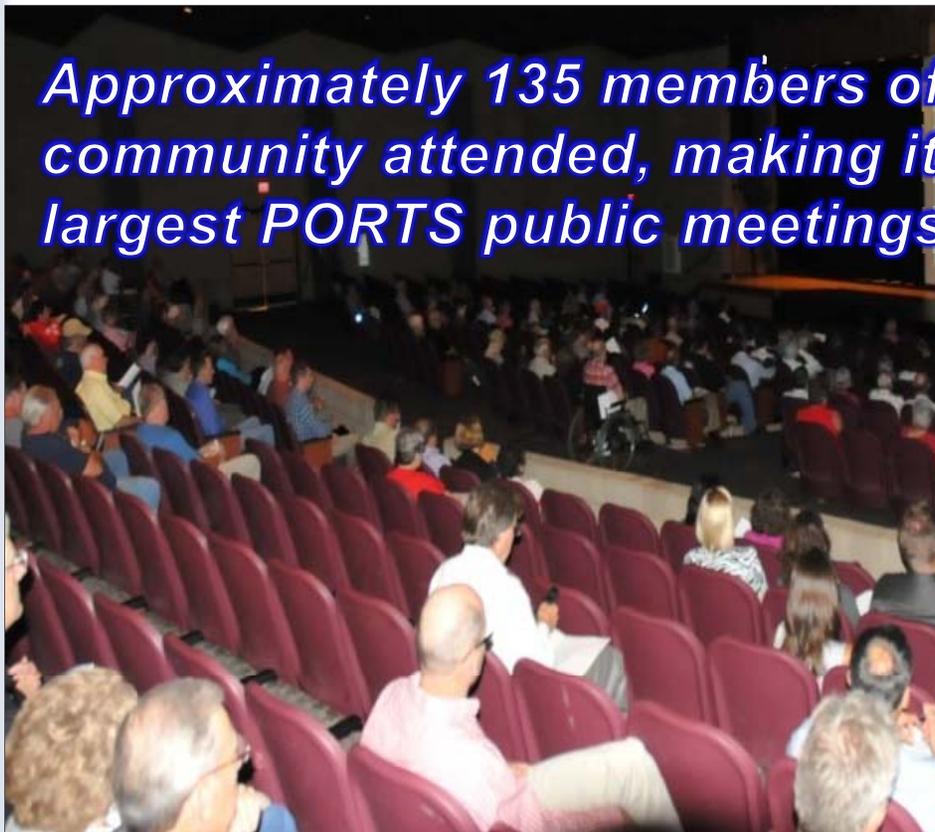
*PORTS Envoy Program  
launched on September 1, 2011*



# Public Outreach

*Public Meeting conducted on  
September 13, 2011, at Waverly High School*

*Approximately 135 members of the  
community attended, making it one of the  
largest PORTS public meetings in site history.*



# Calendar

**DOE Science Alliance**  
October 12, 13, and 14



*1200 students and school officials from 20 schools registered to attend!*



# Calendar

## SSAB Meetings



4:30pm Environmental Cleanup and Land Preparation  
6:00pm Waste Disposition and Recycling



6:00pm Full Board Meeting

*MARK YOUR  
CALENDAR!*

\*Meetings are in Room 165 at the OSU Endeavor Center