



Portsmouth EM Site Specific  
Advisory Board

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## D&D/REMEDATION SUBCOMMITTEE

TUESDAY, APRIL 14, 2015 @ 4:00 P.M.

**THE PURPOSE OF THIS MEETING IS TO PRESENT A CUT AND CAP UPDATE TO THE SSAB  
SUBCOMMITTEE**

### AGENDA

- CUT AND CAP UPDATE- KEN WHITTLE, FBP
- MISCELLANEOUS

ADJOURN



## **D&D/REMEDIATION SUBCOMMITTEE**

MEETING SUMMARY

APRIL 14, 2015 • 4:00 P.M.

THE OHIO STATE UNIVERSITY ENDEAVOR CENTER  
1862 SHYVILLE ROAD, PIKETON, OH 45661

**SSAB Subcommittee Members Present:** Martha Cosby, chair; Dan Minter, vice chair; Shirley Bandy, Carol Caudill, Al Don Cisco, Adrian Harrison,

**SSAB Subcommittee Members Absent:** Shirley Bandy, Brian Huber

**Other SSAB Members Present:** Bob Berry, Stan Craft, Cristy Renner

**U.S. Department of Energy (DOE) and contractors:** Joel Bradburne, Greg Simonton, DOE; Rick Greene, Joe Moore, Restoration Services, Inc. (RSI); Dennis Carr, Jeff Wagner, Jack Williams, Ken Whittle, Fluor-B&W Portsmouth (FBP)

**Liaisons:** Maria Galanti, Melody Stewart, Ohio Environmental Protection Agency (EPA), Mike Rubadue, Ohio Department of Health (ODH)

**Support Staff:** Eric Roberts, Julie Galloway, Cindy Lewis, EHI Consultants (EHI)

**Public:** None

***Minter*** opened the meeting:

### **1. X-326 Deactivation Update presented by Ken Whittle, FBP**

- **X-326 Deactivation Scope**
- **Performance of Work**
- **Typical X-326 cell-intact**
- **Cut and Cap of PGE**
- **X-326 Deactivation**
- **Sampling ensures efficacy of controls**
- **X-326 Sample Activities**
- **X-326 Deactivation**

**2. Miscellaneous:**

<p><b>Cosby:</b> We have a recommendation that was done awhile ago, the board chairperson asked us to consider writing another one similar to the first one.</p>	<p><b>Bradburne:</b> Keep it coming. Just because it is not in the contract does not mean it is not going to be.</p>
<p><b>Minter:</b> Even if it is a small portion, it helps. Just having that annual report is helpful. I hope that there is something left behind. Jeff if you could give us a total amount that was rewarded, we could put it in the first page of the recommendation.</p>	<p><b>Simonton:</b> We should keep a running tab and report in the DDFO at the by-monthly board meetings.</p>
<p><b>Manson:</b> That has been one of the selling points to help the community.</p>	
<p><b>Henderson:</b> Is anyone opposed to working on a draft of the recommendation? If not we can move forward and discuss the recommendation at the May board meeting.</p>	

**Cosby:** Meeting adjourned

**3. Action Items:**

1. FBP to send EHI a total to be added to the recommendation.

PREPARING THE FUTURE

# PORTS

D & D PROJECT

# X-326 Deactivation Update

Presented by Ken Whittle  
to the Site Specific Advisory Board

Piketon, Ohio

April XX, 2015

# X-326 Deactivation Scope

Remove equipment necessary to achieve Criticality Incredibility (CI)

- Process Gas Equipment (PGE) Cut & Cap; shipped to NNSS\*

Characterize remaining Process Gas (PG) piping & PG auxiliaries to confirm CI\*

- Non Destructive Assay (NDA) & Visual inspections
- Perform Deposit Removal (DR) as necessary

Hazardous Waste removal@

Universal Waste Removal

RCRA wastes relocated or disposed (as applicable)

Accountable materials processed or relocated (as applicable)

Characterization necessary to support waste placement

Remove items of historical significance

Criticality incredible (CI) declared; downgrade to a Radiological facility

Downgrade Security status of building

Utility disconnections; cold and dark

\* This work is being accomplished under an Ohio EPA approved RI/FS Sampling Analysis Plan (SAP)

@ This work is being accomplished under a DOE approved Categorical Exclusion

# Performance of Work

Work is performed in compliance with the Department of Energy's (DOE) Integrated Safety Management System (ISMS) process

- Define the job scope
- Hazards Analysis/Identification
- Develop Hazard Controls
- Perform the work using the controls
- Feedback for continuous improvement

# Typical X-326 cell - intact



# Cut and Cap of PGE



# X-326 Deactivation

## Process Gas Equipment Status

Component	Total in Building (includes spares)	Cut & Capped	Remaining to C&C	Shipped	Remaining to Ship
Converters	2360	2110	250	1940	420
Compressors	2367	2107	260	1240	1127
Coolers	2331	1308	1023	1044	1287

Safety Statistics Project to Date:

TRC 1.0  
 DART 0.4

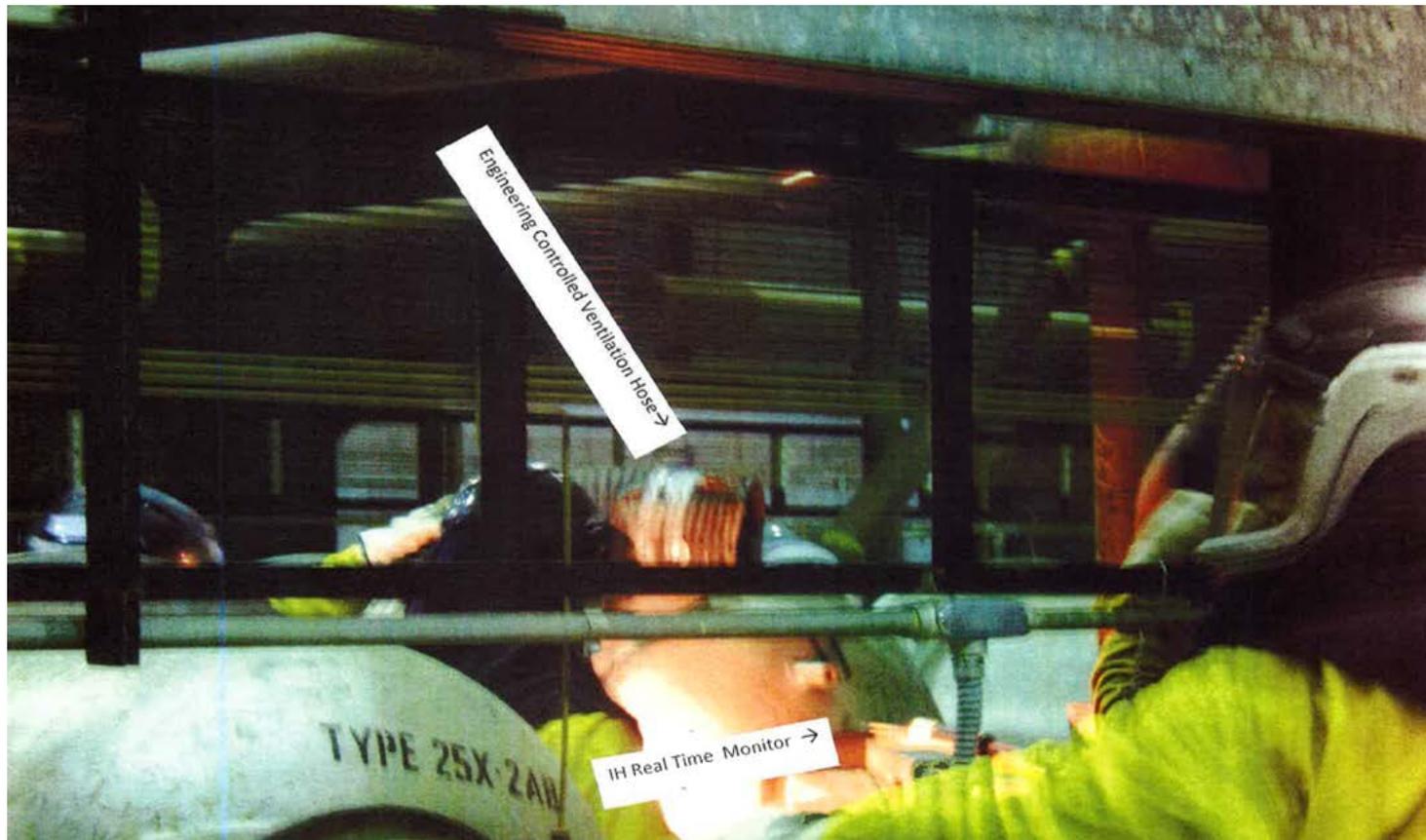
# X-326 Deactivation

## Process Gas Auxiliary status

- Bypass Housing removed; 92/200 cells
  - Provides access for NDA of auxiliary systems
- Extended Range Product Withdrawal
  - Compressors Cut & Capped
- Top & Side Purge system
  - Compressors/Coolers Cut & Capped

# Sampling ensures efficacy of controls

- Radiological air & smear samples
- Gaseous & metals airborne contaminants
- Temperatures / Noise



# X-326 Sample Activities

## Rad Con & IH Air Sampling

RADIOLOGICAL		INDUSTRIAL HYGIENE	
10/2012 to 12/2014		10/2012 to 12/2014	
2012:	2418	Area:	6329
2013:	25612	Detector Tube:	1845
2014:	22263	Direct Read:	6428
		Personal:	1878
		Grab:	4113
Total:	50293	Total Air Samples:	20593

### Summary of results

No radiological dose PTD

PEL exceeded periodically; never without adequate PF respirator

# X-326 Deactivation

## Hazardous Material Removal

- Bulk Lube Oil
  - Remaining tanks characterized, drained and LO shipped – 65K gallons
- Residual Lube Oil
  - Supply/Drain Tank deactivation – 100% complete
  - Supply/Drain Tank stabilization – 70% complete
  - >50% complete on draining residual LO (Supply lines and LO drops)
  - Shipping additional LO as a shipment quantity is achieved
- ERP LO system
  - Characterized, drained and shipped
- X-Ray Room/Radioactive source locker
  - Lead lined rooms, characterized, disassembled, lead removal complete
  - Packaged for shipment

# X-326 Deactivation

## Hazardous Material Removal

- Mercooid Switches
  - 257 of 295; 87% complete
- Security Generators
  - Fluids drained, stabilized
  - Batteries removed
- Auxiliary generators
  - Four of six complete; fluids drained, stabilized
  - Batteries removed
- All Mercury traps removed