



Portsmouth EM Site Specific
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D&D/REMEDIATION SUBCOMMITTEE

TUESDAY, APRIL 12, 2016 @ 4:45 P.M.

THE PURPOSE OF THIS MEETING IS TO GIVE AN UPDATE ON CUT AND CAP AND AN ERROR LAB DEMONSTRATION WITH THE SUBCOMMITTEE

AGENDA

- ERROR LAB DEMONSTRATION – CONNIE MARTIN, FBP
- CUT & CAP UPDATE, KEN WHITTLE, FBP
- MISCELLANEOUS

ADJOURN



D&D/REMEDIATION SUBCOMMITTEE

MEETING SUMMARY

APRIL 12, 2016 • 4:45 P.M.

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

SSAB Subcommittee Members Present: Martha Cosby, chair; Al Don Cisco, vice chair; Ronda Kinnamon

SSAB Subcommittee Members Absent: None

Other SSAB Members Present: Bob Berry, board vice-chair; Stan Craft, Lisa Bennett, Charlene Payne, Judy Vollrath, Carol Caudill, Cristy Renner

U.S. Department of Energy (DOE) and contractors: Greg Simonton, Johnny Reising, DOE; Dennis Carr, Jeff Wagner, Jack Williams, Bob Kury, Ken Whittle, Elizabeth Scott, Connie Martin, Fluor-B&W Portsmouth (FBP)

Liaisons: Dustin Tschudy, Ohio Environmental Protection Agency (EPA); Mike Rubadue, Ohio Department of Health (ODH)

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

Public: None

Cosby: opened the meeting:

1. Cut and Cap Update presented by Ken Whittle, FBP:

- **X-326 Deactivation Scope**
- **Goal Tracker**
- **200 PGE Removal**
- **X-326 Deactivation Updates**
- **X-333 Deactivation Begins**
- **Employee Safety Training and Performance Improvements**
- **Questions?**

Kinnamon: Did you say light bulbs are not hazardous?	Whittle: Yes, light bulbs are hazardous.
-------------------------------------------------------------	-------------------------------------------------

2. Error Lab Demonstration presented by Connie Martin, FBP:

Martin: I will need a volunteer for the demonstration. Does anyone want to volunteer?	Galloway: I will do it.
Cisco: The elements that you are being protected from is it heavy or float through the air?	Martin: Both, some are heavy and will drop down, others rise up. You don't want to breathe it and you don't want to get it on you.

3. Miscellaneous: None at this time.

Cosby: Meeting adjourned

4. Action Items: None at this time.

PREPARING THE FUTURE

PORTS

D & D PROJECT

X-326 Deactivation Update

Ken Whittle

Facility Stabilization and Deactivation Director

Fluor-BWXT Portsmouth

April 2016



X-326 Building



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

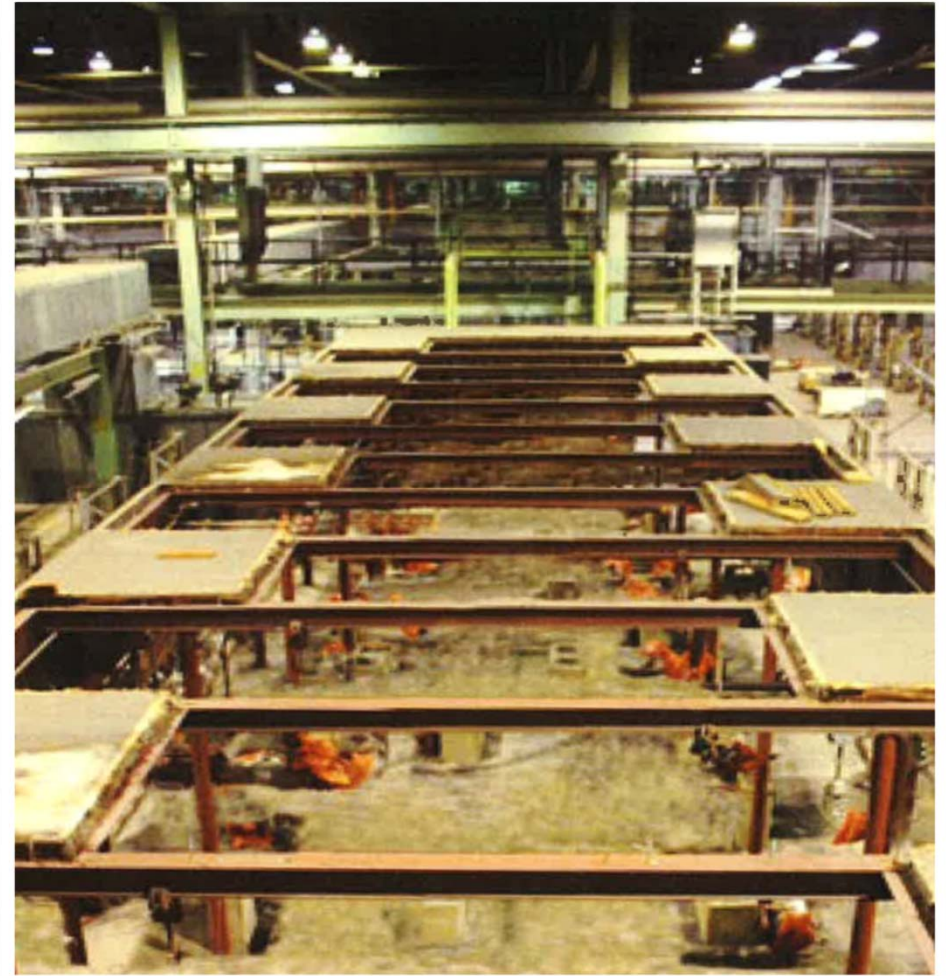
Goal Tracker

- CIDMS Operational -  **COMPLETED!**
- 200 PGE Removed –  **COMPLETED!**
- First Unit CI cell floor- **29 WEEKS**
- 100% of X-326 CI – **50 WEEKS**
- X-326 Cold and Dark – **63 WEEKS**

200 PGE Removal

BEFORE

AFTER





X-326 Deactivation Updates

~~Remove equipment necessary to achieve Criticality Incredibility (CI)~~

- Complete; 7059 process gas equipment components Cut & Capped
- ~6900 shipped to NNSS; largest shipper in DOE complex three years in a row

Characterize Process Gas (PG) piping/PG auxiliaries to confirm CI – In Progress

- >16,000 bypass housing panels removed for characterization access
- Non Destructive Assay (NDA) & Visual inspections on-going
- Perform Deposit Removal (DR) as necessary

Hazardous Waste Removal – In Progress

- Bulk LO tank deactivation complete
- Residual LO draining complete (400 locations 2X each)
- 23K additional gallons LO shipped for disposal
- 959 mercury switches removed >80% complete

X-326 Deactivation Updates

Hazardous Waste Removal Continues

- Seal exhaust traps media removal 100% complete (258 traps)
- Seal exhaust pump oil draining 100% complete (81 pumps)
- Process Battery removal 20% complete (240 batteries removed)

Accountable materials processed or relocated

- > 600 containers relocated

RCRA wastes relocated or disposed

- New storage locations nearing completion
- Once complete - DOE/OEPA Review
- >5200 ft³ RCRA waste shipped last year; 88% reduction in legacy mixed/RCRA waste

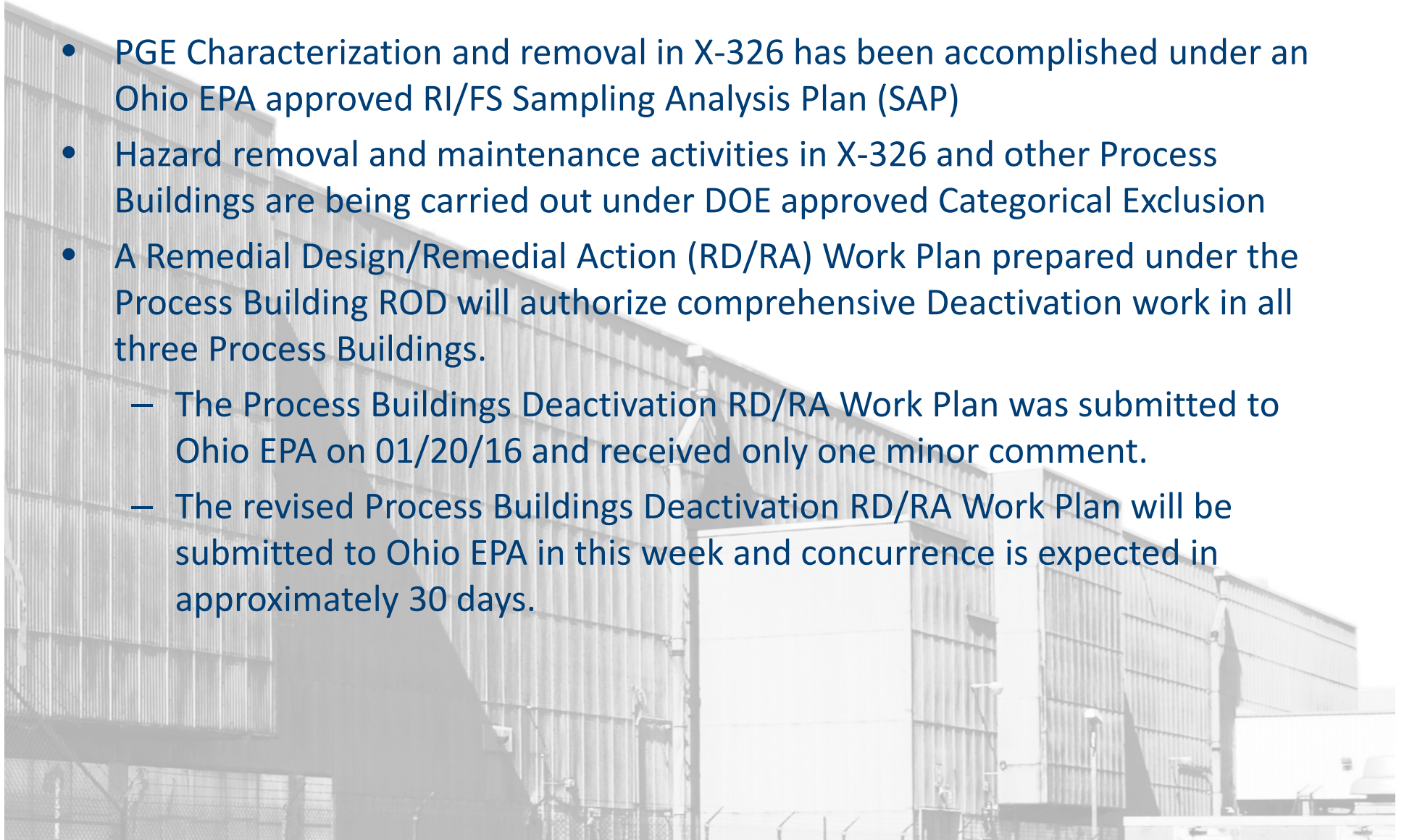
Utility disconnection – In
Process





X-326 Deactivation Updates

- PGE Characterization and removal in X-326 has been accomplished under an Ohio EPA approved RI/FS Sampling Analysis Plan (SAP)
- Hazard removal and maintenance activities in X-326 and other Process Buildings are being carried out under DOE approved Categorical Exclusion
- A Remedial Design/Remedial Action (RD/RA) Work Plan prepared under the Process Building ROD will authorize comprehensive Deactivation work in all three Process Buildings.
 - The Process Buildings Deactivation RD/RA Work Plan was submitted to Ohio EPA on 01/20/16 and received only one minor comment.
 - The revised Process Buildings Deactivation RD/RA Work Plan will be submitted to Ohio EPA in this week and concurrence is expected in approximately 30 days.





X-333 Deactivation Begins

Mobilization activities initiated

- Deactivation planning activities
- Necessary infrastructure Crane/ventilation system repairs
- Workforce mobilization
- Equipment tool mobilization



* 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

Employee Safety Training and Performance Improvements

Error Lab's; created to improve performance and increase safety

- Panel Removal
- Work Control
- Radiological Controls for NDA Staff; recently featured in EM Newsletter

Connie Martin; ESH&Q Manager for 326 Deactivation

- Radiological Controls Demonstration

ENERGY.GOV
 Office of Environmental Management

Home » Portsmouth Training Exercise Helps Radiological Trainees Spot Mistakes Safely

Portsmouth Training Exercise Helps Radiological Trainees Spot Mistakes Safely

February 11, 2016 - 12:10pm

RELATED ARTICLES

- DOE Releases '2015 Year in Review' of Portsmouth Site
- EM Delivers in Deactivation, Regulatory Milestones, Shipping Progress at Portsmouth Site
- First Shipment of Compressors Leaves Portsmouth

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SUBSCRIBE

At hand is a challenging task by EM contractor Fluor-BWXT Portsmouth's (FBP) Non-Destructive Assay (NDA) crew to

Questions?

