



# PORTSMOUTH EM SITE SPECIFIC ADVISORY BOARD

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•OSU Endeavor Center• 1862 Shyville Road • Piketon, Ohio 45661 • (740) 289-5249 •

## Proposed Agenda for the January 5, 2023, Board Meeting

### Chair

Jody Crabtree

### Co-Vice Chair

Herman Potter

### Board Members

Dr. Todd Burkitt

Bryan Davis

Amy Hawk

Turman Helton

Wayne McLaughlin

Matt Setters

Beth Workman

### 6:00 pm

Call to order, introductions

Review of agenda

Approval of November Minutes

**DDFO Comments-Jeremy Davis**

--15 minutes

**Federal Coordinator Comments**

--10 minutes

**Liaison Comments**

-- 5 minutes

**Administrative Issues**

--5 minutes

**Public Comments**

--15 minutes

**Final Comments from the Board**

--15 minutes

**Adjourn**

### Deputy Designated

### Federal Official

Jeremy Davis

### DOE Federal Coordinator

Greg Simonton

### Support Services

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Piketon, OH 45661  
Phone 740.289.5249  
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## PORTSMOUTH EM SITE SPECIFIC ADVISORY BOARD

MINUTES OF THE THURSDAY, JANUARY 5, 2023, SSAB MEETING • 6:00 P.M.

**Location:** The Ohio State University Endeavor Center, Room 160, Piketon, Ohio

**Site Specific Advisory Board (SSAB) Members Present:** Chair, Jody Crabtree; Amy Hawk, Matt Setters, Bryan Davis, Turman Helton, Wayne McLaughlin, Beth Workman

**SSAB Members Absent:** Vice-Chair, Herman Potter; Dr. Todd Burkitt,

**U.S. Department of Energy (DOE) and Contractors:** Jeremy Davis, Greg Simonton, DOE; Shawn Jordan, Fluor-BWXT Portsmouth (FBP); Julie Galloway, Cindy Lewis, EHI Consultants (EHI)

**Liaisons:** Sean Kubera, Ohio Department of Health (ODH); Tom Schneider, Ohio Environmental Protection Agency (EPA)

**Facilitator:** Eric Roberts, EHI

**Public:** Max Moore, Ohio Environmental Protection Agency (OEPA); Damon Detillion, Craig Opperman, North Wind (NWD); Pat Marida, Sierra Club; Diana Cahall, Lee Blackburn

Approved by Jody Crabtree, Board Chair

Jody Crabtree

## **Call to Order:**

**Crabtree:** I would like to call the meeting to order.

**Roberts:** I would like to welcome everyone, and I will be facilitating the meeting. There will be a public comment period after the presentations. The board should stay within its defined scope and follow the meeting ground rules adopted. We did postpone our last meeting because of a lot of sickness, including COVID and RSV and just kind of circled everybody. So just to be safe and protect everyone, we kind of took a month off. We have a little bit of a lighter agenda tonight than we did the last time we got together. So hopefully this is going to be a little bit quicker.

## **January Agenda:**

**Roberts:** We have a copy of the agenda in front of you. Any changes or alterations we need to make for the agenda?

## **Minutes:**

**Roberts:** Any changes to the minutes from November 2022?

**J Davis:** On page five pacific should be specific.

**Roberts:** Page four Oak Ridge should be two words.

**Setters:** On page one I am listed as present and absent.

**Roberts:** So, after these changes are made, anyone want to make a motion to approve?

**Helton:** I make a motion to approve with the changes.

**B. Davis:** I 2<sup>nd</sup> the motion.

Motion approved.

## **DDFO comments provided by Jeremy Davis, Deputy Designated Federal Official:**

- **Vision Statement**
- **Portsmouth Scope**
- **Portsmouth Contractors**
- **2022 Accomplishments**
- **Video Slide**
- **PORTS Past, Present, Future Celebration**
- **Successful Integration of soil excavation with waste placement at OSWDF**
- **Integrated Project Portfolio Success**
- **Moving Forward in 2023**
- **X-326 Demolition Debris Completed**
- **X-231A Soil Excavation**
- **X-333 Process Building Deactivation**
- **OSWDF CAP-2 infrastructure**
- **X-626 Pump House and Colling Tower Demolition**

- **Promising Future for Site Reuse with Proposed Hydrogen Plant**

*A copy of the DDFO presentation is available on the SSAB web site  
([www.ports-ssab.energy.gov](http://www.ports-ssab.energy.gov))*

<b>Question/Comment:</b>	<b>Answer:</b>
<b>Helton:</b> What was the company interested in parcel one?	<b>J. Davis:</b> Newpoint Gas
<b>Mclaughlin:</b> What is the plan for the D&D in Paducah?	<b>J. Davis:</b> Paducah is three-four years behind us. Paducah and Ports share lessons learned.

**Federal Project Coordinator comments provided by Greg Simonton, Federal Project Coordinator:**

**Simonton:** The Science Bowl is in two months we are finally back to normal. Our regional winner out of that competition will be participating in the Nationals. We have got schools registering already. I don't have a count right now because after the holidays we started planning really fast. Wavery High School is doing the student ASER. We did a presentation about five weeks ago to the physics. We have, four presentations and some field work next Friday. The students will be sampling and learning how to collect data and analyze it. We may need some volunteers for the Science Bowl for a fun day at Shawnee.

**Liaison comments:**

**Kubera:** Nothing at this time.

**Schneider:** There will be a public comment period. February 15, 2023, at 6:00p.m. at the Pike County Career Center on the draft Statement of Basis and the Hazardous Waste Permit renewal.

**Administrative Issues:** None

**Public Comments:**

**Roberts** read a written statement from Mr. Vaughn the statement is attached to the minutes.

Also, we have a report to attach to the minutes.

**Marida:** This is the Radiation and Public Health Project. It is our version city of New Jersey. I'm one of the coordinators between your nuclear assay network and your hired executive director, Joe Lockhart, to make this report. And what he did was he analyzed the statistics from the Ohio Department of Health and the Center for Disease Control in Washington, DC. And I'll just read you a brief summary of what he has said here. I will just read the summary on the first page, and that really contains a lot of what he has to say, because he's got a lot of charts and so forth in the 18 pages.

## EXECUTIVE SUMMARY

The Portsmouth Gaseous Diffusion Plant (PGDP) in Pike County, Ohio used the UF<sub>6</sub> gaseous diffusion process to enrich uranium from 1954 to 2001. As a result of routine plant operations, radioisotopes and toxic chemicals were regularly released to the air, water, and soil. Despite ongoing concerns about health effects of exposures to toxic radioactivity, little research on local health patterns has been conducted. This report, using official health statistics, found the following health patterns and trends for Pike County:

1. The county's cancer incidence in 2010-2019 was 15% higher than the U.S., the highest rate of all 88 Ohio counties.
2. In the 1950s and 1960s, county cancer mortality was 12% below the U.S. The gap closed, and by 1993, the Pike rate exceeded the U.S. The largest gap (+32.8%) occurred in 2019-2020.
3. In 2009-2020, the cancer death rate in the county exceeded the U.S. by about 50% for all age groups, except for persons over age 75 (0.5% below the U.S.).
4. County age-adjusted mortality for all causes was 2-5% above the U.S. in the 1980s and early 1990s. By 2019-2020, the county rate was 42.3% greater.
5. Among persons 0-74, all-cause mortality in the county soared to 85.0% above the U.S. in 2017-2020, nearly twice that of the nation.

These unexpected findings constitute a great concern and call for prompt and thorough review of all potential causes, including socioeconomic factors, access to medical care, health behavior, and exposures to environmental toxins, such as those from the PGDP. Any findings must be shared with the public and public officials, so that any efforts to reduce future local disease and death rates may begin promptly.

**Cahall:** Was there a committee meeting following the November Board meeting?

**Roberts:** No, we postponed due to sickness, we weren't going to have enough people attend.

### **Final Comments from the board:**

**J. Davis:** I think that is a really good discussion moving forward. The infrastructure piece really helps us because right now we're working on our strategic vision for the end state.

### **Action Items:**

- EHI to send out the google link to the Health Risk to Local Residents from the Portsmouth Gaseous Diffusion Plant.

## Attachment 1: Mr. Vaughn

### Here are my comments and questions for the June meeting:

Provided here are my **comments / questions** for the PORTS SSAB meeting on YouTube on June 3rd, to be read aloud and commented on / answered during the meeting:

1.) Unfortunately, the general public has lost trust in the Department of Energy, as well as the Site Specific Advisory Board of Portsmouth. This distrust is due to a ritualistic legacy of cover-ups and complete disregard for the air, the water, and the land which make up our planet. The surrounding population of children, men, women, and (**yes**) the unborn are the unwilling receptors of the Portsmouth Gaseous Diffusion Plant's intentional radioactive and toxic discharges. These 68 years of knowingly unrighteous "bad practices" equate to the plant and it's corporate management behaving as a Racketeer-Influenced Corrupt Organization (RICO); and as such, is currently defending itself against RICO charges from a recent Civil, class-action lawsuit -- The **first** RICO charges ever filed against a nuclear plant in U.S. history).

2.) On behalf of many people in the Portsmouth area, a fact-finding is due; as there are extremely important new issues which need investigated and discussing regarding DOE's practices at Portsmouth. As a way for the SSAB to regain the public's trust as an agency organization (and not a business), it is in the community's interest to hold physical, public, in-person meetings. The mask mandate has

subsided, and it's time to get back to those "town hall" meetings. Would the SSAB be interested in organizing monthly, or bi-monthly public, in-person meetings?

3.) In regards to radioactive elements discovered off-site, the Pike County Commissioners recently wrote a letter to Governor DeWine stating that the Department of Energy had claimed, "**these dangerous elements are from the nuclear accident in Fukushima in 2011**". Has the Department of Energy or any of its representatives ever made the claim that these dangerous and/or radioactive elements discovered off site of the Portsmouth Gaseous Diffusion Plant are from the nuclear accident in Fukushima, Japan?

Thank you for holding this meeting.

Let the Holy Spirit Shine!

Bobby Vaughn  
Investigative Journalist

## **HEALTH RISK TO LOCAL RESIDENTS FROM THE PORTSMOUTH GASEOUS DIFFUSION PLANT**

Joseph J. Mangano MPH MBA  
Executive Director  
Radiation and Public Health Project  
August 15, 2022

### **EXECUTIVE SUMMARY**

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and exposures to environmental toxins, such as those from the PGDP.

Any findings must be shared with the public and public officials, so that any efforts to reduce

future local disease and death rates may begin promptly.





## ***Mission Statement:***

The mission of the PPPO is to conduct the safe, secure, compliant, and cost effective environmental legacy cleanup of the Portsmouth and Paducah Sites on behalf of the local communities and the American taxpayer.

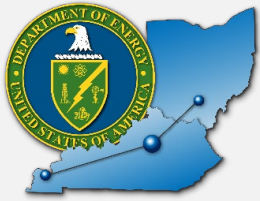
## ***Vision Statement:***

Safely working for a shared vision of a cleaner tomorrow.



- Lexington Office
- Portsmouth Gaseous Diffusion Plant Site
- Paducah Gaseous Diffusion Plant Site
- Depleted Uranium Hexafluoride Conversion Facilities





# Portsmouth Scope

- Deactivation, decontamination and decommissioning of site facilities
- Construction/Operation of OSWDF
- Soil/Groundwater Remediation
- Surveillance and Maintenance
- Infrastructure
- Environmental Monitoring
- Waste Management
- Safeguards and Security



# Portsmouth Contractors



## Fluor-BWXT Portsmouth, LLC

- Project management
- Facility modification
- Infrastructure optimization
- Decommission/Demolition
- Environmental remediation
- ~1,800 employees (incl. subcontractors)



## North Wind Dynamics, LLC

- Infrastructure (facility and road operations, maintenance)
- Security (classification)
- Records management
- Property & fleet management
- Information technology
- ~200 employees



## Mid-America Conversion Services, LLC

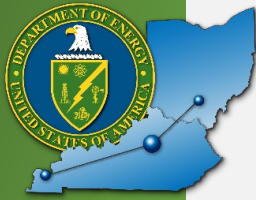
- DUF6 plant construction
- DUF6 plant operation
- Cylinder management
- ~500 employees (3 locations)



## Enterprise Technical Assistance Services, Inc.

- DOE support and oversight
- Project management
- Project control
- Regulatory support
- Technical support
- Strategy and planning
- ~55 Employees

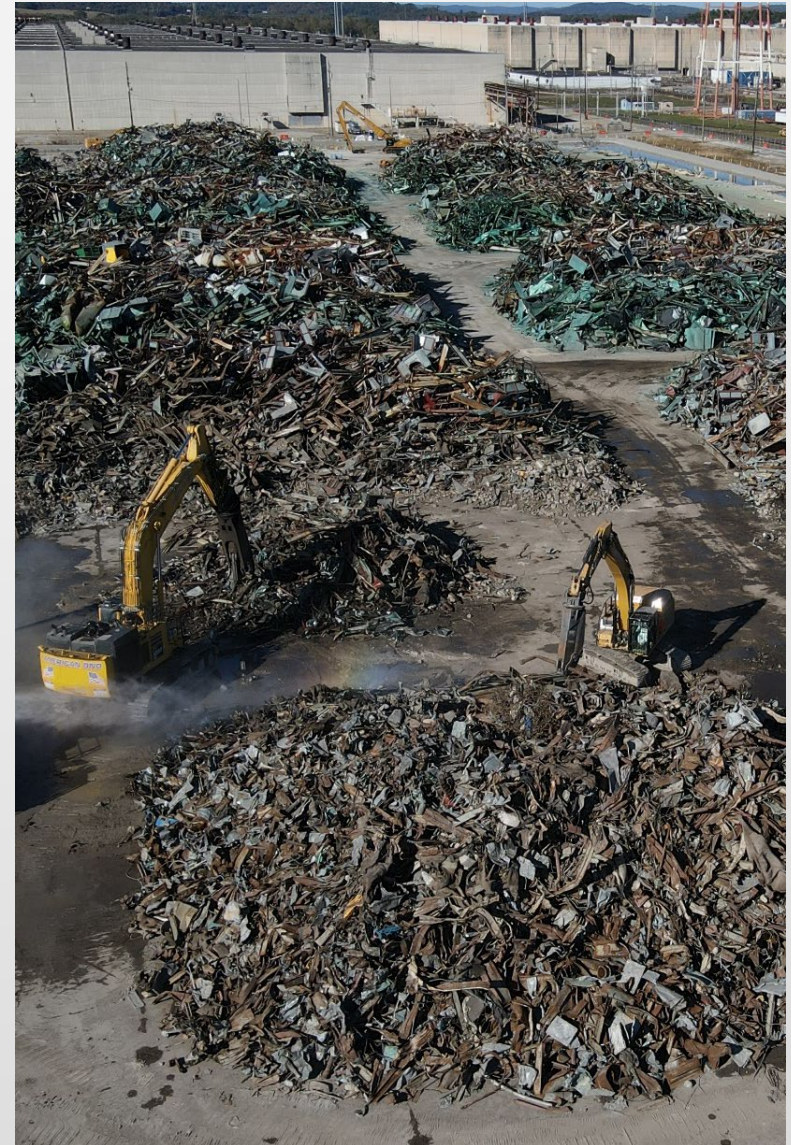




## Portsmouth

# 2022 Accomplishments

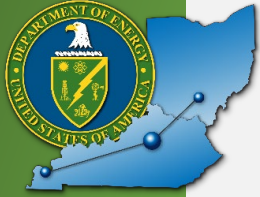
- Completed structural demolition of X-326 Process Building
- Completed ~70% X-326 waste placement at OSWDF
- Completed excavation of X-231B landfill for use at the OSWDF
- Completed OSWDF CAP 1 project for Cells 1, 4, and 5
- Completed OSWDF CAP 2 sediment pond and started bulk excavation for cells 2, 3, and 6
- Transfer of ~200 acres to SODI





- VIDEO SLIDE – REPLACE





# PORTS Past, Present, Future Celebration







# Successful integration of soil excavation with waste placement at OSWDF

Waste placement  
underway for cells  
1, 4, and 5



X-231B Excavation  
Project



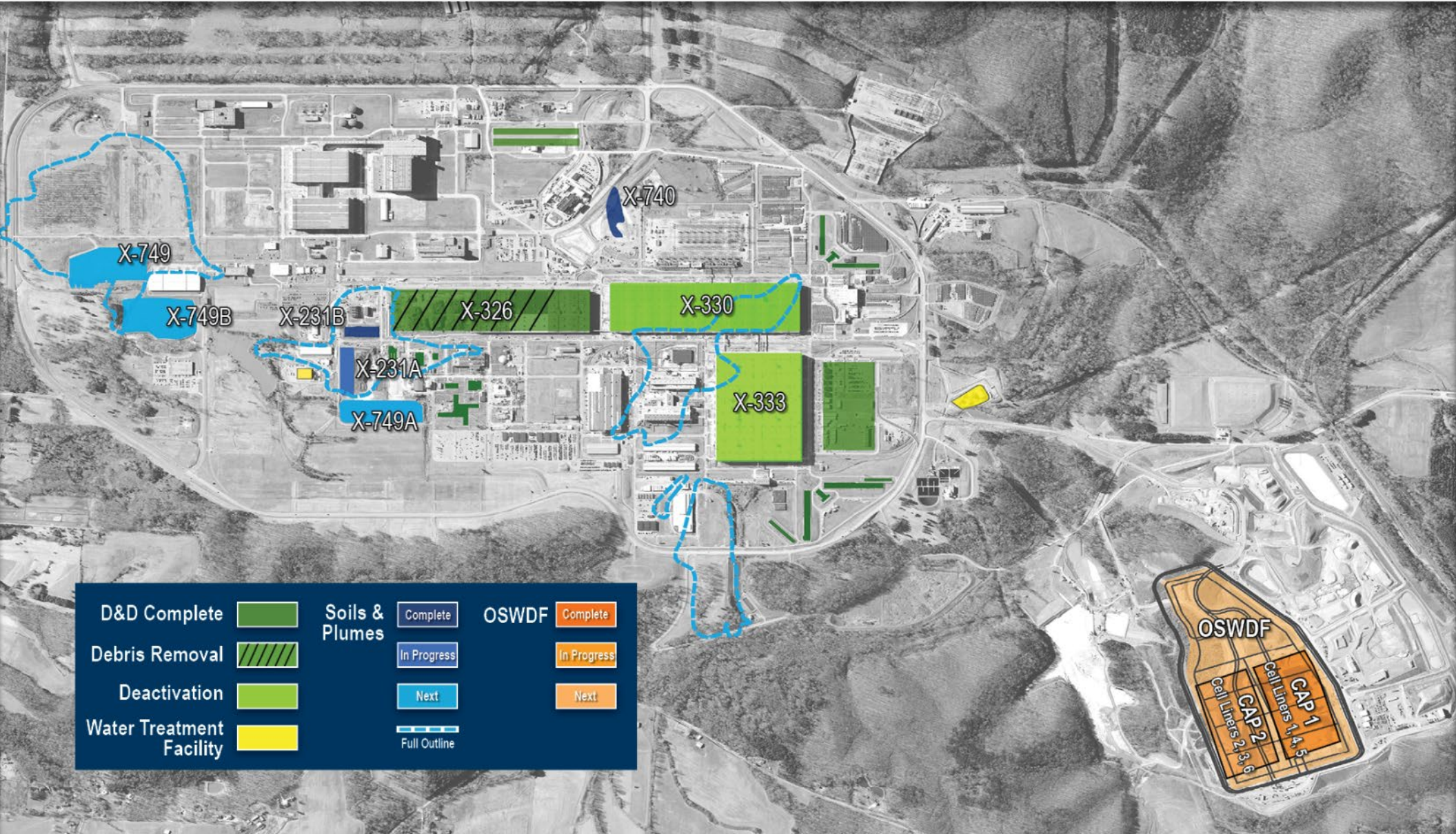
Installing Sheet  
Piling at X-231A  
Excavation Project



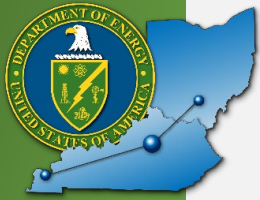


# Integrated Project Portfolio Success

Portsmouth D&D / OSWDF / Soils & Plumes







# Moving Forward in 2023

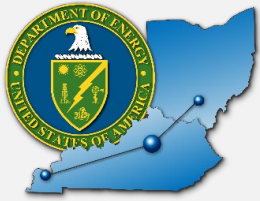
- Complete X-326 Process Building demolition debris disposal
- Complete X-231A soil excavation and initiate excavation of remaining plume on the south side of the X-326
- Begin size reduction and waste placement of X-333 Process Building large components
- Complete construction of CAP-2 infrastructure, Impacted Material Transfer Area (IMTS), and south Leachate Transmission System (LTS)
- Complete X-626 Pump House and Cooling Tower demolition



# X-326 Demolition Debris Completed

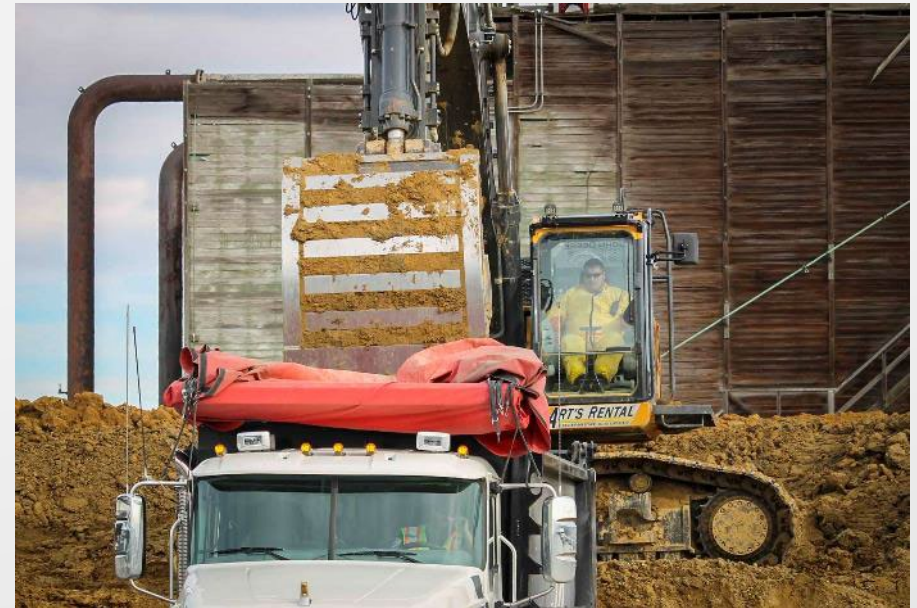






# X-231A Soil Excavation

- Provides compaction fill for debris disposal at OSWDF
- Leaves behind more acreage for site redevelopment
- In progress
- To be completed in Summer 2023





# X-333 Process Building Deactivation

- X-333 size reduction and waste placement of X-333 large components will begin Q1 2022
- 106 of 106 Transformers complete (100%)
- 482 of 623 bundles crushed in the X-343 operations (77%)
- These will support the X-333 Phase II Deactivation







# OSWDF CAP-2 infrastructure

## South Leachate Transmission System (LTS)

- South LTS completion Spring 2023

## Impacted Material Transfer Area (IMTA)

- Continue construction in 2023

## CAP-2 Infrastructure

- Full CAP-2 infrastructure to be complete CY24





# X-626 Pump House and Cooling Tower Demolition



- Completion anticipated April 2023





# Promising Future for Site Reuse with Proposed Hydrogen Plant

- Texas-based energy company, Newpoint Gas, committed to purchasing 248 acres from the Community Reuse Organization, SODI, to build hydrogen energy plant

Parcel Transfers	Acres	Status
Parcel 1	80 acres	Transfer complete
Parcel 2	227 acres	Deed transfer being finalized
Parcel 3	48 acres	Transfer Package is under development
Parcel 4	TBD	Received request for property from SODI, includes both EM and NE areas

