



PORTSMOUTH EM SITE SPECIFIC ADVISORY BOARD

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

Proposed Agenda for the January 9, 2020 Board Meeting

Chair	6 p.m.	
Co-Vice Chair	Call to Order, Introductions	
	Review of Agenda	
Board Members	Approval of June Minutes	
Lisa Bennett	DDFO Comments	--15 minutes
Robert L. Berry		
Todd Burkitt	Federal Coordinator Comments	--10 minutes
Carlton L. Cave		
Jody Crabtree	Liaison Comments	-- 5 minutes
Maddeline C. Caudill		
Dennis Foreman	Administrative Issues	
Turman Helton		
Cynthia Quillen	<ul style="list-style-type: none">• Draft Recommendation 20-01- DOE Enhance Communication Efforts Related to Environmental Monitoring Information	--5 minutes
Jimmy E. Smalley	<ul style="list-style-type: none">○ Public Comments on Recommendation○ Board Comments on Recommendation	
Beckie Thomas-Kent		
Judy R. Vollrath	<ul style="list-style-type: none">• EM SSAB National Chairs Meeting Report Bob Berry and Carlton Cave	--5 minutes
	<ul style="list-style-type: none">• EM SSAB Chairs Draft Recommendation-	--5 minutes
Deputy Designated	<ul style="list-style-type: none">○ Public Comments on Recommendation○ Board Comments on Recommendation	
Federal Official		
Joel Bradburne	<ul style="list-style-type: none">• EM SSAB Chairs Draft Recommendation-	--5 minutes
DOE Federal Coordinator	<ul style="list-style-type: none">○ Public Comments on Recommendation○ Board Comments on Recommendation	
Greg Simonton		
	<ul style="list-style-type: none">• Election of Leadership	--10 minutes
	<ul style="list-style-type: none">○ Election of Chair○ Election of Vice Chair	
	<ul style="list-style-type: none">• Adoption of FY 2020 Work Plan	--10 minutes
	Subcommittee Updates	--5 minutes
	Public Comments	--15 minutes
	Final Comments from the Board	--15 minutes

Support Services
EHI Consultants, Inc.
1862 Shyville Road
Piketon, OH 45661
Phone 740.289.5249
Fax 740.289.1578

Adjourn

Chartered as an EM Site Specific Advisory Board under the Federal Advisory Committee Act



U.S. DEPARTMENT OF
ENERGY

OFFICE OF
**ENVIRONMENTAL
MANAGEMENT**

Deputy Designated Federal Official Presentation

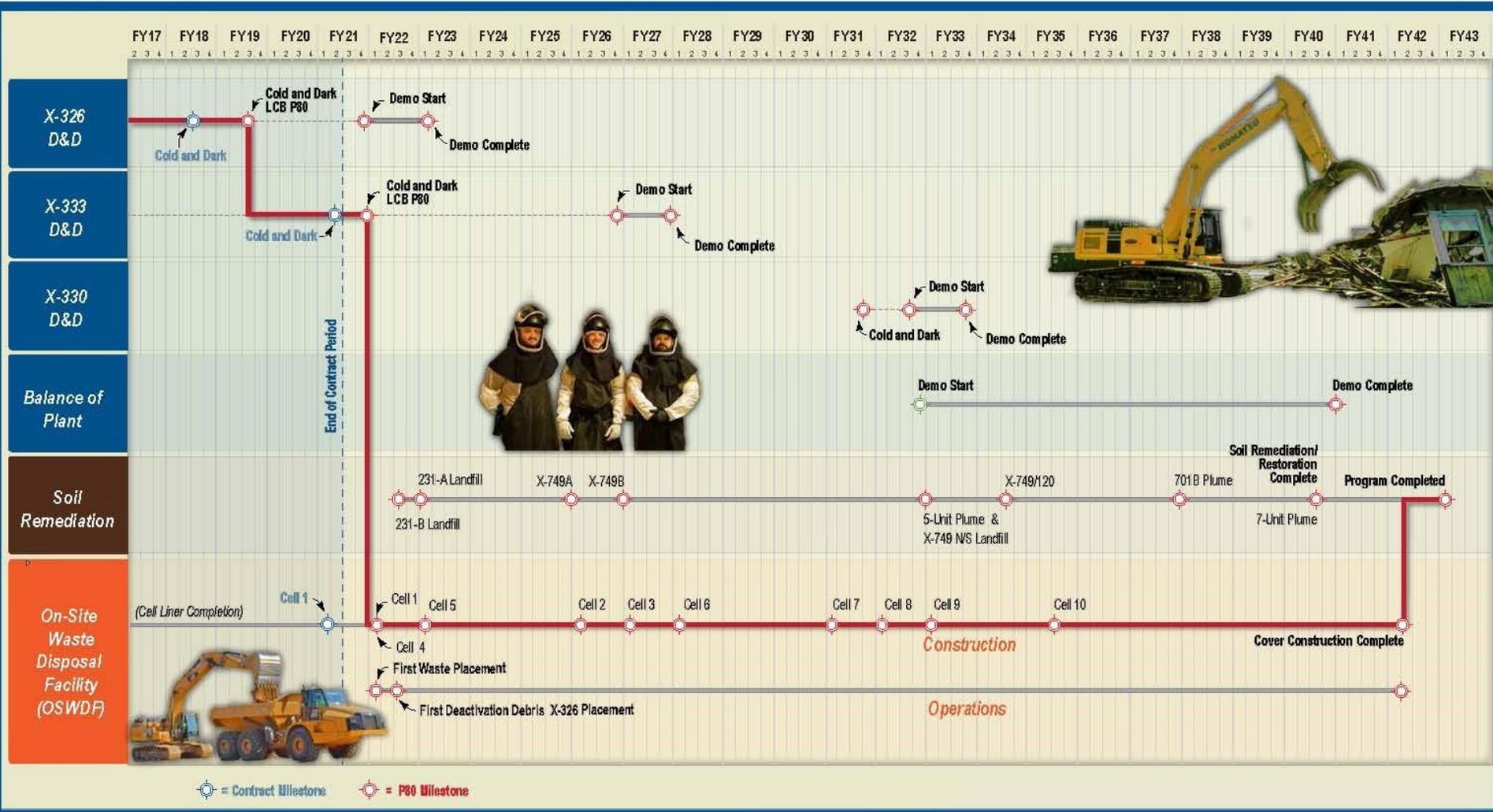
Portsmouth Site Specific Advisory Board

Jeffrie Bettinger

January 9, 2020



Lifecycle Baseline Summary Schedule Rev 1 - 2018





Deactivation of X-326 Process Building

- Facility downgraded from a Limited Area to Property Protection Area.
- 26 of 28 utility isolations complete.

X-326 Pre-Demolition Activities

- Preliminary demolition activities initiated October 2019.
- Completed bulk asbestos removal from building.
- Excavations for water detention system commencing.

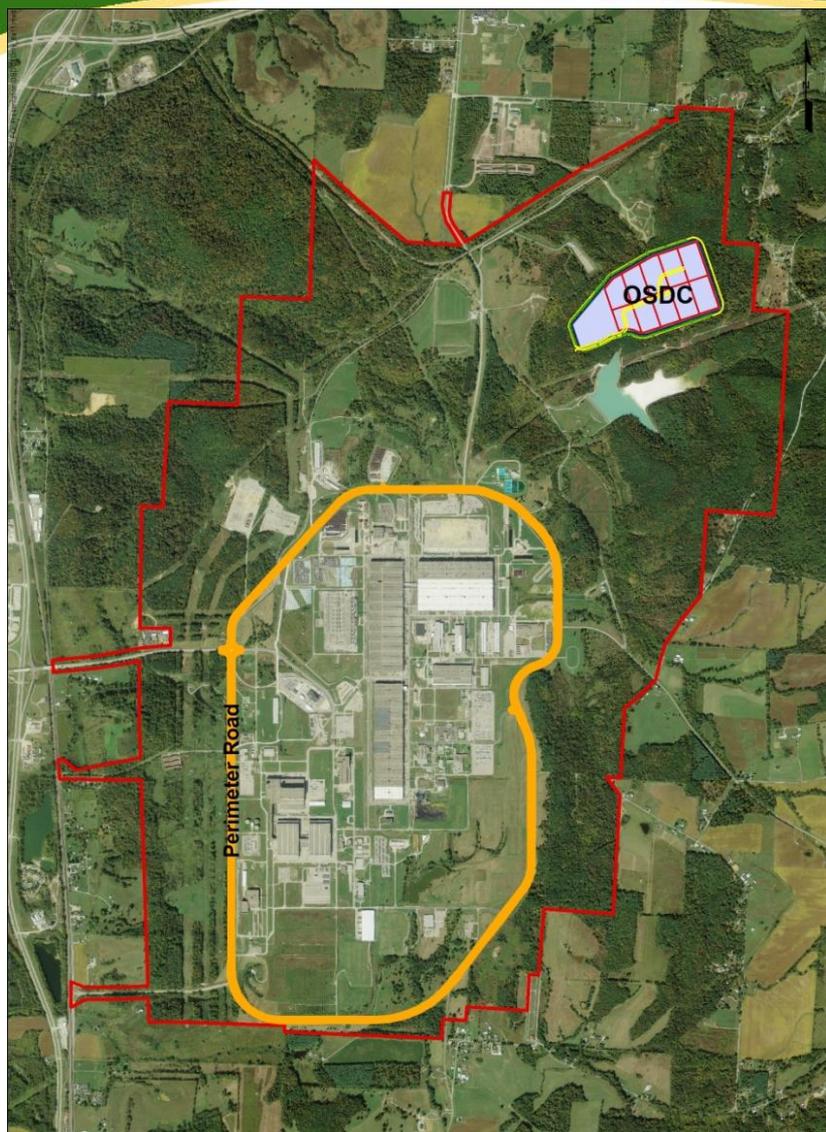
X-622-1 Activities

- X-622-1 Water Treatment System construction in progress.
- First X-622-1 Water Treatment System component arrived November 18, 2019





Video



- 5.7 million cubic yards of debris and impacted soil
- Footprint encompasses ~320 acres, including operational support facilities/areas
- ~100 acres required for long-term disposal of waste
- 10 waste disposal cells and 2 optional cells
- CERCLA LLW, MLLW, TSCA, and classified waste disposal facility
- Consolidation of selected existing landfills and excavation of groundwater plumes to provide engineered fill material
- Leachate generated will be treated on-site



On-Site Waste Disposal Facility (OSWDF) Capital Asset Project 1

Field progress:

- Cell 1 Liner was completed mid-November 2019. Placement of protective layer to be completed January 2020
- Backfilling of valve houses completed in October 2019
- Operations Trailer Complex arriving on site
- Interim Leachate Treatment System (ILTS) Phase 1/Modular Leachate Treatment System (MLTS):
 - Air vapor treatment building shell complete
 - 1.1 million gallon storage tank foundation complete
 - Effluent piping from ILTS in progress
 - Long lead equipment delivery initiated in November 2019 and will continue through April 2020





Video



Deactivation of X-333 Process Building:

X-333 Process Building contract milestone for Cold and Dark by March 25, 2021:

- **Material Sizing Area (MSA):**
 - 000 converter shell segmentation is on track with 223 of 626 converters complete.
 - X-343 modifications for compactor under review by Ohio EPA
- **Large Component Assay System (LCAS):**
 - 351 of 421 compressors, with potential to be greater than Criticality Incredible, measured and reported
 - LCAS measurement of converter tube bundles and coolers initiated





■ Nuclear Operations

- Completed transfer of all PORTS Type 2 and Pad Type 3 (148 FY19 and 1702 total)



■ Environmental and Waste Management

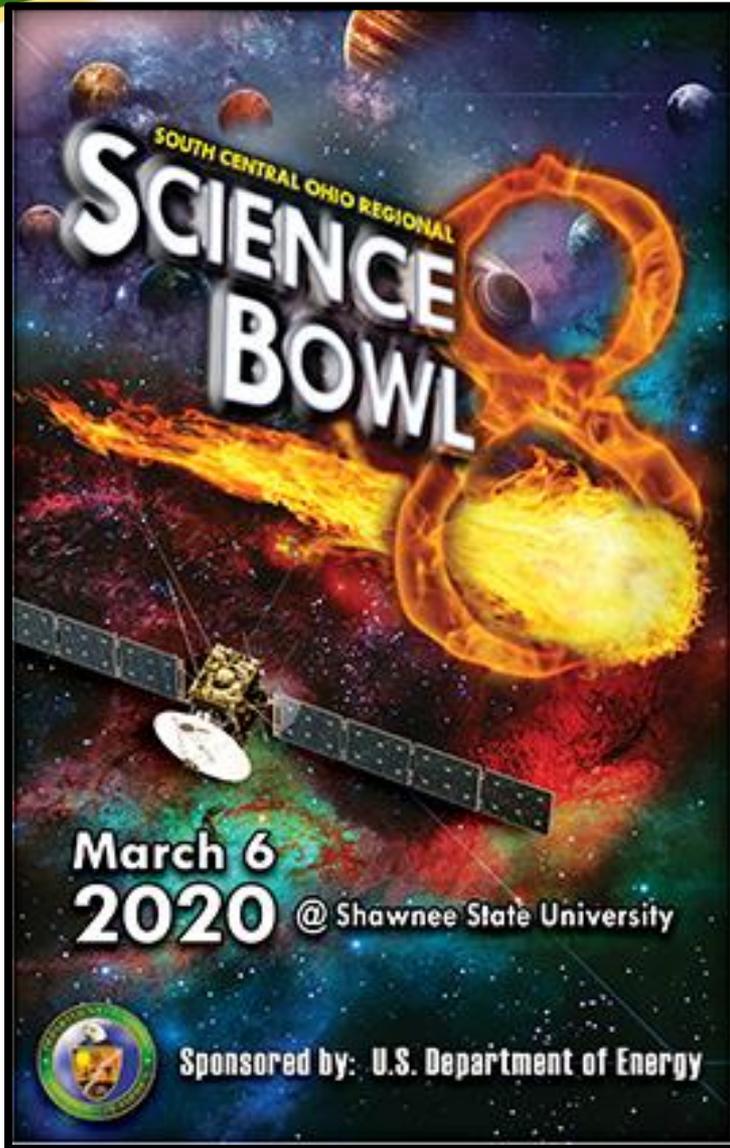
- Completed off-site shipment of X-326 compressors and coolers
- 7,586 m³ LLW & MLLW dispositioned in FY19



■ Site footprint reduction via land transfer

- Draft Parcel 2 Environmental Baseline Survey (EBS) management review in progress for delivery to Ohio EPA
- Projected to transfer to SODI in CY20.





Scholarship Opportunities at Fluor-BWXT:

The 2020 Fluor-BWXT Portsmouth S.T.E.A.M. Scholarship applications will be available Monday, January 13.

A total of 12 scholarships, each worth \$2,000, will be awarded one time to graduating high school seniors in the counties of Jackson, Pike, Ross and Scioto.

Applicants must have a cumulative GPA of 3.0 or above and have been accepted to attend an accredited college or university with a major in the fields of **Science, Technology, Engineering, Arts (as it pertains to jobs at the PORTS Site) or Mathematics. (S.T.E.A.M.)**.

Visit <http://fbportsmouth.com/> for more information



- **Veterans Day Luncheon for PORTS Site Employees** –\$1,500 was donated to the Veterans Foodbank in Chillicothe through the Community Commitment Fund
- **Christmas Gifts for Children (CGFC)/Chili Cook-Off** - The cook-off was one of many fundraisers site employees had for the CGFC program. More than 3,000 families received assistance with the money raised at the PORTS site
- **FBP Winter Coat Drive** - Site employees, partnering with CGFC, donated coats to local schools
- **PORTS Pink-Out Day** - Site employees raised more than \$1,200 for local cancer centers



PORTS Site Blood Drive
Sponsored by PMA
Tuesday, January 28



SSAB Full Board Meeting
Thursday, March 5



South Central Regional Science Bowl 8
Shawnee State University
Friday, March 6



RECOMMENDATION 20-01: Portsmouth (PORTS) Environmental Management (EM) Site Specific Advisory Board (SSAB) Recommendation DOE Enhance Communication Efforts Related to Environmental Monitoring Information.

*Portsmouth EM Site Specific
Advisory Board*

Chair

Robert Berry

Vice Chair

Carlton Cave

Board Members

Lisa Bennett

Dr. Todd A. Burkitt

Maddeline C. Caudill

Jody B. Crabtree

Dennis J. Foreman

Turman L. Helton

Cynthia Quillen

Jimmy E. Smalley

Beckie J. Thomas-Kent

Judy R. Vollrath

Deputy Designated

Federal Official

Joel Bradburne

DOE Federal Coordinator

Greg Simonton

SUPPORT SERVICES

EHI CONSULTANTS

PHONE: 740-289-5249

FAX: 740-289-1578

EMAIL: JULIE@PORTS-SSAB.ORG

Background: In the spring of 2019, community concerns arose following the distribution of the 2017 Portsmouth Annual Site Environmental Report (ASER) that indicated transuranic contaminants were detected in an air monitor adjacent to Zahn's Corner Middle School. Additional information followed that another transuranic element was discovered in 2018 monitoring, which preceded the Scioto Valley Local School District closing Zahn's Corner Middle School in May 2019.

The U.S. Department of Energy (DOE) is sponsoring an independent assessment of the area near the site to determine what, if any, contamination from PORTS exists off-site and to what extent. Since this issue arose, questions and concerns arose about the length of time the information was known until it was reported more than a year later in the ASER.

DOE has explained the effort to compile the monitoring data, develop the report, print the report and distribute the report is extensive and time-consuming. Although that is understandable, there should be a mutual agreement that the public should be informed as quickly as possible on environmental monitoring data once it is known. For that reason, the PORTS SSAB offers the following recommendation.

Recommendation:

The PORTS EM SSAB recommends:

DOE provide more timely information on all environmental monitoring data related to the Portsmouth site. The PORTS SSAB understands the time required to formulate and distribute the ASER, however, DOE should explore other methods for communicating the data before the ASER is published.

Many citizens in southern Ohio do not have easy access to online information, so the Board recommends the data - in addition to those online tools - be made available quarterly in the Environmental Information Center at the Ohio State University Endeavor Center. This data should also be available at regional libraries, presented at PORTS SSAB board meetings that are open to the public and at the bi-annual DOE open houses that occur throughout the four-county area.

The board also believes reporting this information in a more timely manner will be beneficial to DOE, regulators and the public. The board appreciates DOE's recent efforts to more thoroughly explain the environmental monitoring program and would like for those efforts to continue. Equally important to distributing the environmental monitoring data is ensuring that the public fully understands what those results mean and their impact on human health and the environment.

We want to thank DOE for its interaction with the PORTS EM SSAB and we look forward to providing valuable information to the Department on this topic and other items of interest as the D&D project progresses.

Thank you.

ENVIRONMENTAL MANAGEMENT SITE-SPECIFIC ADVISORY BOARD
CHAIRS MEETING RECOMMENDATION

October 30, 2019
Sun Valley, Idaho

Recommendation on Improving EM SSAB and Public Engagement in the DOE Environmental Management Budget Process

Each Department of Energy Office of Environmental Management (DOE-EM) site is unique in its stage of cleanup – some are smaller, some are closer to the end of their cleanup and some have decades to go. Because of the uniqueness, difference in size, complexity, Federal Facility Agreements and length of cleanup the level of budget detail needed by each board may be different.

The eight citizen advisory boards that make up the EM Site-Specific Advisory Board (SSAB) that provide recommendations, advice and public perspectives to their local DOE-EM management believe that it is important to provide well-informed and timely recommendations, advice and comments regarding priorities at their sites. In order to do that they need to have an adequate level of priority planning detail provided in time to deliberate, develop and transmit timely recommendations to their respective local DOE-EM management. Consideration of our recommendations while the local EM offices are developing their priorities and budget requests and prior to local offices transmitting their priorities and budget request to DOE-EM HQ is in the spirit of transparency and collaboration.

The EM SSAB recommends:

1. DOE engage the local boards that make up the EM SSAB in the December-January-February timeframe in the budget process to ensure adequate time for the boards to be able to provide informed advice/recommendations for submittal to their local DOE EM management for review and consideration as local priorities and budget requests are being developed.
2. Local EM site offices work with their advisory board early in the December-January-February timeframe to identify the level of priority and budget detail that each Board needs to discuss and develop informed

advice/recommendations in time for DOE consideration as they develop their budget request submittal to DOE-EM HQ. For larger sites with multiple cleanup actions the detail should include an integrated priority planning list that identifies those cleanup activities that would be delayed if funding levels are not sufficient or if unplanned/emerging issues must be addressed.

3. DOE-EM HQ relay to the local EM offices whatever guidance is required in the December-January-February timeframe to ensure that the information local advisory boards need in order to understand and develop priorities and budget advice, recommendations are submitted to local EM management for review and consideration prior to their budget request submittal to HQ deadlines.

Who We Are

The EM SSAB is the DOE-EM's most effective vehicle for fostering two-way communication between DOE-EM and the communities it serves. The EM program is the world's largest environmental cleanup program, and the EM SSAB its only citizen advisory board. For more than 20 years, the volunteer citizens of the EM SSAB have partnered with EM officials at both the local and national levels to ensure that the public has a meaningful voice in cleanup decisions.

Public participation is required/recommended as part of a number of environmental regulations. It is also good business practice, resulting in better decisions that often result in improved cleanup. Over the past two decades, EM SSAB members have volunteered over 48,000 hours of their time and submitted to EM officials over 1500 recommendations, 88% of which have been fully or partially implemented, resulting in improved cleanup decisions.

The EM SSAB comprises approximately 200 people from communities in Georgia, Idaho, Kentucky, Nevada, New Mexico, Ohio, Oregon, South Carolina, Tennessee and Washington. The Board is cumulatively representative of a stakeholder population totaling millions of people who are affected by generator sites, transportation routes and disposal sites. As we move forward, the EM SSAB welcomes the opportunity to highlight the value of this unique volunteer board and discuss its priorities during the months and years ahead.

ENVIRONMENTAL MANAGEMENT SITE-SPECIFIC ADVISORY BOARD

CHAIRS MEETING RECOMMENDATION

October 30, 2019
Sun Valley, Idaho

Recommendation on the Disposition and Transport of Nuclear Material

The Waste Isolation Pilot Project transport program has been incredibly successful in helping accomplish the task of safe movement of transuranic (TRU) waste, to Carlsbad, New Mexico, from multiple Department of Energy's Environmental Management (DOE-EM) sites, beginning in the spring of 1999.

As members of the EM Site-Specific Advisory Board (EM SSAB), we laud the collaborative work between DOE and the Western states in the development and execution of this plan and the ongoing cleanup, transportation and disposition of TRU waste and other shipments thus far. We understand that the program includes common sense elements that exceed regulatory requirements.

The EM SSAB Chairs agree that safe transport of waste material to its permanent disposition addresses one of the most important goals that the DOE-EM complex has undertaken. We urge you not to undervalue the importance of this program which will be needed far into the future in order to address remaining TRU at all DOE-EM sites.

DOE activities are funded by Congress through its annual appropriation process. Within that appropriation framework, DOE requests funds necessary to support long-term obligations within its statutory and regulatory requirements.

It is important to the EM SSAB Chairs that DOE-EM, when dispositioning waste off-site, strive to move all DOE-EM regulated waste material, including TRU waste, once to its final disposition.

We appreciate this opportunity to share our observations and applaud DOE-EM's continued focus on solutions for nuclear waste disposition and safe transport to permanent repositories.

It is recommended that DOE-EM:

- Prioritize development of final disposition sites with the goal of reducing the interim storage footprint at each of the sites.
- Specify Waste Acceptance Criteria for all forms of waste and Spent Nuclear Fuel in a manner that will allow all sites to proceed with waste processing confidently, efficiently, and without delay.
- Continue to insist on a compliant budget that will provide sufficient funding to act without delay, nor impediment, to prepare waste for shipment.
- Create a transportation program for the safe and uneventful shipment of all EM waste material.

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PORTSMOUTH SITE SPECIFIC ADVISORY BOARD ANNUAL WORK PLAN Fiscal Year 2020



The attached SSAB Work Plan has been agreed upon by U.S. Department of Energy and the Portsmouth Site Specific Advisory Board on January 9, 2020:

Chair
PORTS Site Specific Advisory Board



Joel Bradburne
DDFO
U.S. Department of Energy, PPPO



INTRODUCTION

The Portsmouth Gaseous Diffusion Plant (PORTS) Site Specific Advisory Board (SSAB) is a stakeholders' board, chartered to provide advice and recommendations to the U.S. Department of Energy (DOE) on decontamination and decommissioning, environmental remediation, waste management and related issues at the Portsmouth Site. The Portsmouth/Paducah Project Office (PPPO) manages the Environmental Management (EM) activities in Portsmouth.

The SSAB is comprised of volunteers, chosen to reflect the diversity of gender, race, occupation, views, and interests of persons living near the Portsmouth Site. The board is committed to reflecting the concerns of the communities impacted by environmental management of the plant site. Besides DOE, the Ohio Environmental Protection Agency (OEPA) and Ohio Department of Health (ODH) are represented in an advisory capacity.

The scope of the SSAB is to provide advice and recommendations concerning the following EM site-specific issues: environmental restoration; waste management; recycling; future land use and long-term stewardship. The Board may also be asked to provide advice and recommendations on any other EM projects or issues.

The Board meets to hear presentations by persons working on relevant environmental management topics, listen to and discuss input from citizens, consider recommendations developed by the PORTS SSAB subcommittees, and perform other business. The Board strives for consensus in reaching decisions and conducts business under a set of bylaws, standing rules, and special rules of order, which incorporate the principles of *Robert's Rules of Order*.

SSAB members participate in subcommittees to focus on various topics related to site cleanup. Active subcommittees for the fiscal year 2020 were established based on project priorities. They are:

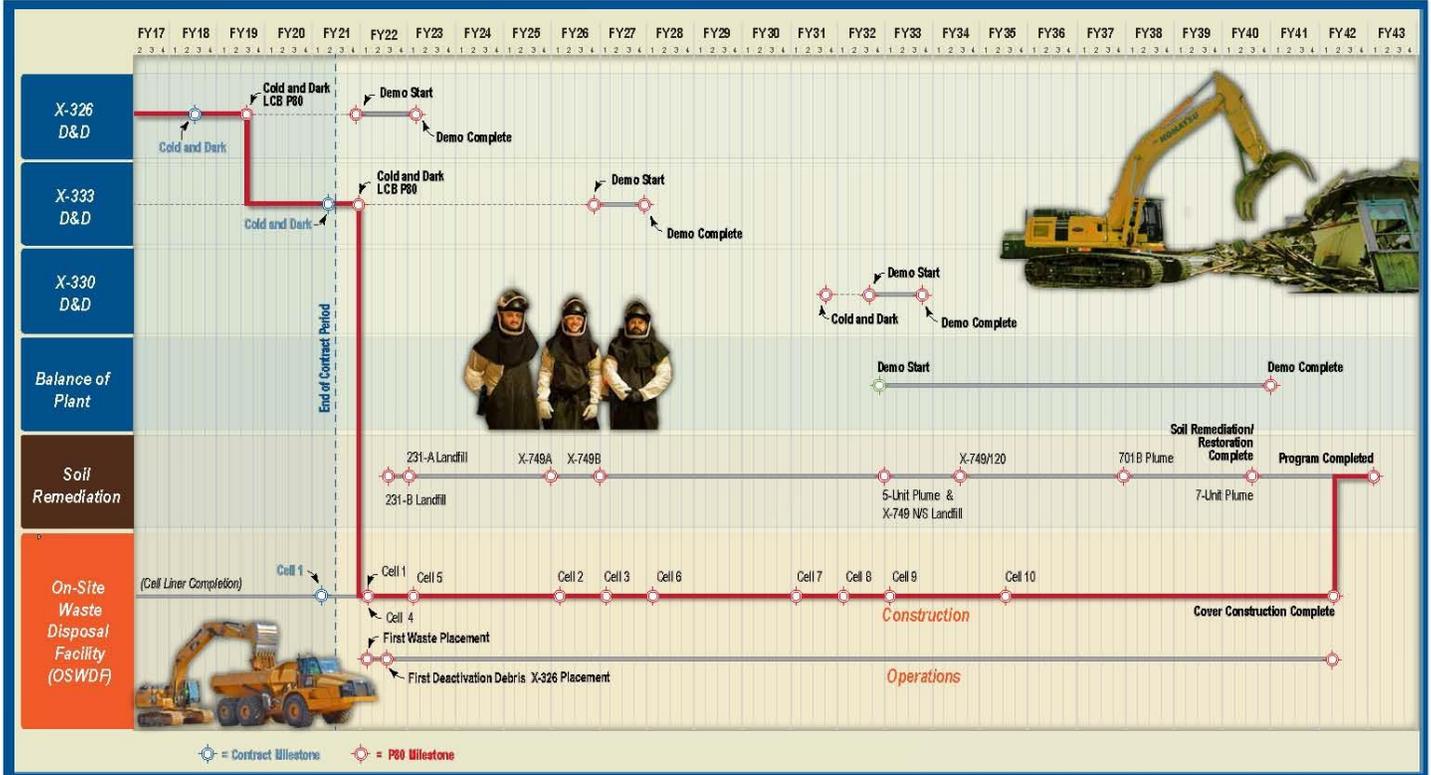
- Environmental Monitoring
- Outreach and Education
- Future Use

This Work Plan addresses the SSAB priorities for the 2020 Fiscal Year. Although the Board intends to structure its activities to focus on the priority projects, it is understood that other topics may present themselves that could result in deviation from the Work Plan. A prescribed process is followed to alter the SSAB work plan with alterations accepted and approved by both the SSAB and DOE.

PORTS-D&D PROJECT LIFECYCLE CRITICAL PATH SCHEDULE

Lifecycle Baseline Summary Schedule Rev 1 - 2018

January 2018



SUBCOMMITTEE

FY 2020 Environmental Monitoring

Month	Subject
October	Introduction to the DOE Environmental Monitoring Program
November	Introduction to Risk and Dose
December	*Site Contractor Community Involvement
January	Annual Site Environmental Report
February	DOE Environmental Monitoring Program I
March	DOE Environmental Monitoring Program II
April	2019 DATA and the Environmental Monitoring Webpage
May	Environmental Monitoring Program summary
June	Environmental Monitoring Program summary

*December is a combined subcommittee meeting for educational purposes only

As appropriate, the subcommittee will strive to prepare and present short briefings supporting proposed recommendations during board meetings. In order to fulfill its mission, the subcommittee may add additional topics and/or meetings as needed. The subcommittee will be responsible for informing the full SSAB on changes to the subcommittee's work plan.

2020 OUTREACH AND EDUCATION

Month	Subject
October	DOE Stakeholder Outreach Program and Open House Enhancement
November	SSAB discussion on Board Ideas/ priorities for DOE Stakeholder Outreach
December	*Site Contractor Community Involvement
January	N/A
February	Review of Survey Data from Public Meetings and Open Houses
March	DOE Open Houses Draft Outline/ Posters
April	Other Public Engagement Tools
May	Updating Traveling Display Program Materials
June	Updating Traveling Displays Program Materials

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FY 2020 FUTURE USE

Month	Subject
October	N/A
November	N/A
December	*Site Contractor Community Involvement
January	Roles and Responsibilities of Stakeholders in Future Use and Current Approved DOE End State Map
February	SODI Future Use Vision
March	If Needed
April	If Needed
May	If Needed
June	If Needed

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SSAB MEETINGS

SSAB meetings are intended to communicate the business of the SSAB and to discuss and vote on recommendations to be submitted to DOE. In addition, Deputy Designated Federal Official (DDFO) comments will be made in the form of a presentation intended to brief SSAB members of recent developments and provide site highlights and accomplishments.

SSAB meetings will also be the forum for educational presentations that complement the working session or site management matters. Examples of suggested topics for presentations may include the annual budget process and risk education.

	Full Board	Environmental Monitoring	Outreach and Education	Future Use
October 8, 2019		4:15 p.m. Introduction to the DOE Environmental Monitoring Program	5:45 p.m. DOE Stakeholder Outreach Program and Open House Enhancement	N/A
November 7, 2019	6:00pm			
November 12, 2019		5:45 p.m. Introduction to Risk and Dose	4:15 p.m. SSAB discussion on Board ideas/ priorities for DOE Stakeholder Outreach	N/A
December TBA		*Site Contractor Community Involvement	*Site Contractor Community Involvement	*Site Contractor Community Involvement
January 9, 2020	6:00pm			
January 14, 2020		4:15 p.m. Annual Site Evaluation Report	N/A	5:45 p.m. Roles and Responsibilities of Stakeholders in Future Use and Current Approved DOE End State Map
February 11, 2020		5:00 p.m. DOE Environmental Monitoring Program I	4:15 p.m. Review of Survey Data from Public Meetings and Open Houses	6:15 p.m. SODI Future Use Vision
March 5, 2020	6:00pm			
March 10, 2020		4:15 p.m. DOE Environmental Monitoring Program II	5:30 p.m. DOE Open Houses Draft Outline/ Posters	If Needed
April 14, 2020		4:15 p.m. 2019 DATA and the Environmental Monitoring Webpage	5:30 p.m. What do other sites do to engage the public	If Needed
May 7, 2020	6:00pm			
May 12, 2020		4:15 p.m. Summary of Environmental Monitoring program and communications	5:30 p.m. Traveling Displays program and updating the displays	If Needed
June 9, 2020		4:15 p.m. Summary of Environmental Monitoring program and communications	5:30 p.m. Traveling Displays program and updating the displays	If Needed