

PORTSMOUTH EM SITE SPECIFIC ADVISORY BOARD

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

Proposed Agenda for the October 6, 2016 Board Meeting

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6 p.m. Call to Order, Introductions Vice Chair Review of Agenda Approval of May Minutes **Board Members** Lisa Bennett **DDFO Comments** --15 minutes Robert L. Berry Eric A. Braun **Federal Coordinator Comments** --10 minutes **Bradley Burns** Maddeline C. Caudill **Liaison Comments** -- 5 minutes Carlton L. Cave Presentation - Robotics Technology, Marty Reibold, Fluor-BWXT --20 minutes Al Don Cisco Dennis Foreman **Administrative Issues** --20 minutes Carl R. Hartley Ronda J. Kinnamon SSAB Draft Recommendation 16-02 Neil Leist **Public Comments on Recommendation** Bernard S. Neal **Board Comments on Recommendation** Irma C. Payne Cynthia Quillen **Annual Executive Planning and Leadership** Jimmy E. Smalley **Training Session Update** Gregory Stepp Judy R. Vollrath **EM SSAB National Chairs Meeting Update** --5 minutes **Bob Berry and Carlton Cave Election of Chair and Vice Chair** --10 minutes **Deputy Designated Federal Official** Adoption of FY 2017 Work Plan --10 minutes Joel Bradburne

DOE Federal Coordinator

Greg Simonton

Subcommittee Updates

Public Comments

Final Comments from the Board

Adjourn

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

Fax 740.289.1578

--5 minutes

--15 minutes

--15 minutes



DEPUTY DESIGNATED FEDERAL OFFICIAL PRESENTATION

Joel Bradburne, Site Lead U.S. Department of Energy

Portsmouth Site Specific Advisory Board October 6, 2016





- Safety
- Plant Updates
 - X-326 & X-333 Deactivation
 - On-Site Waste Disposal Facility (OSWDF)
 - Land Transfer
- Community Outreach
- Upcoming Events



D&D Safety Update

As of 9/25/16, worked 183 days without a lost time incident.

As of 9/25/16, five recordable injuries in CY 2016.

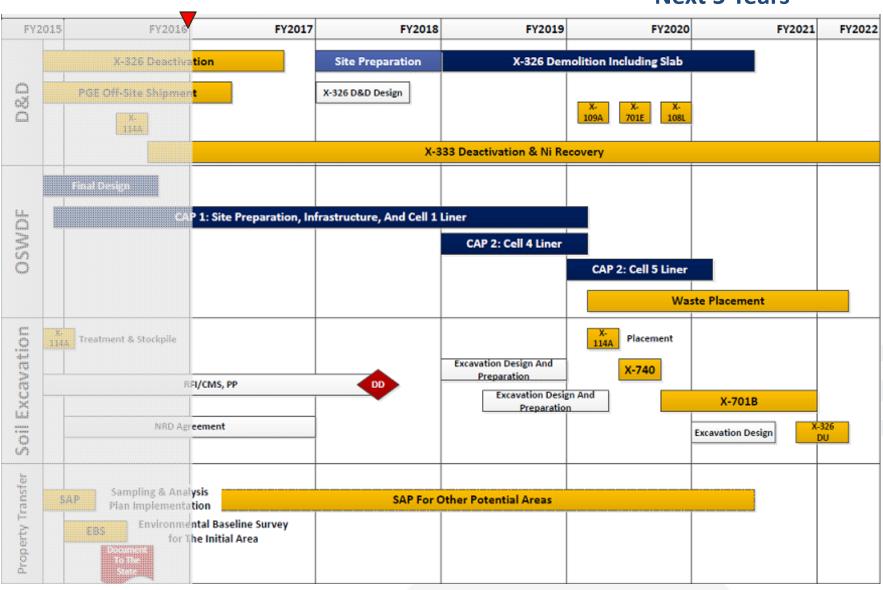
As of 9/25/16, eight recordable injuries in FY 2016.

YOU are the KEY to SAFETY!



PORTS Integrated Baseline

Next 5 Years



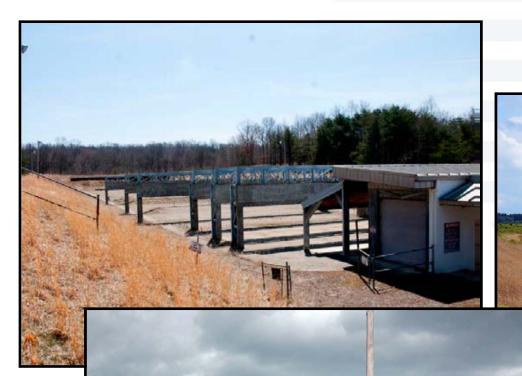


Deactivation of - X-326 & X-333





Prepping the Old Range for OSWDF



142,540 lbs. of scrap metal sent to SODI to be recycled.





OSWDF Groundbreaking







OSWDF Update





Sediment Pond as of 9-20-16













Deactivation of the X-626Recirculating Cooling Water Facility









RCRA Waste Management at PORTS





Major Sampling Effort Concluded





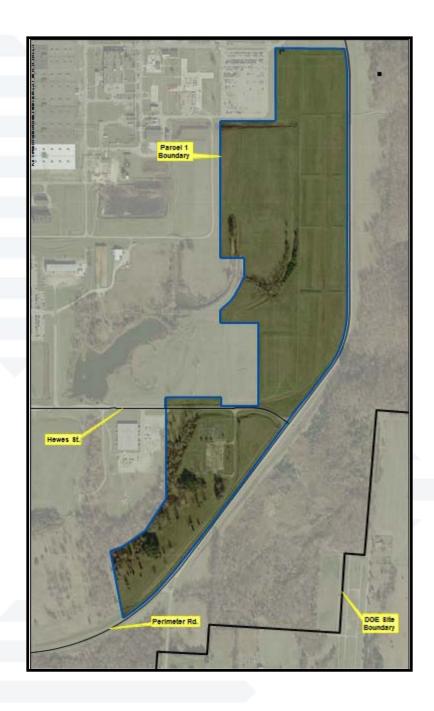






Property Transfer

- SODI has delivered a formal request for approximately 80 acres of property.
- DOE has formally agreed to pursue transfer
- Environmental baseline survey complete
- Transfer on schedule for spring 2017
- Property appraisal in development by EMCBC





Environmental Remediation

X-627	X-623	X-624
X-622		

The totals from March 29, 2011 (FBP Contract) through August 2016 are:

Treated 170 Million Gallons of groundwater Removed 1872.3 pounds of Trichloroethylene (TCE)

	Groundwater	Groundwater	TCE
	Treated	Source	Removed
	FY2016		FY2016
100			lbs.
0000	2,379,100	X-701B	92.49
	Gallons	Plume	
STATE OF	46,905	Misc. Site	0.13
Salve Salve	Gallons		
No. of Control			
100	10,183,730	7-Unit Plume	123.87
N. 1	Gallons		
ASSESSED			
	17,801,400	5-Unit &	19.23
1	Gallons	X-749/	
		X-120 Plumes	
		&	
		PK Drainage	



Site Tours









SSAB Tour









Mutual Aid

Off-Site Request FY2016

Vehicle Accidents 9 **Structure Fires** 5 **Other Fires** 4 **HazMat Response** 1 Medical 4

Total







Community Outreach

Fluor-BWXT Grant Helps New Business in Jackson County Add Jobs

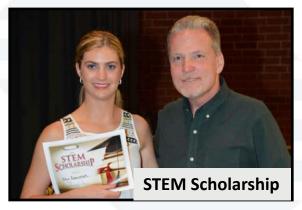






Educational Outreach















Community Outreach





American Red Cross Power of the Purse















Upcoming Site Events



Public Tour Saturday, October 15, 2016



SSAB Full Board Meeting Thursday, November 3, 2016

PORTSMOUTH SITE SPECIFIC ADVISORY BOARD ANNUAL WORK PLAN

Fiscal Year 2017



The attached SSAB Work Plan has been agreed upon by U.S. Department of Energy and the Portsmouth Site Specific Advisory Board on October 6, 2016:

Portsmouth Site Specific Advisory
Board Chair

Joel Bradburne
U.S. Department of Energy
Deputy Designated Federal Official

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 up to 20 members, 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.

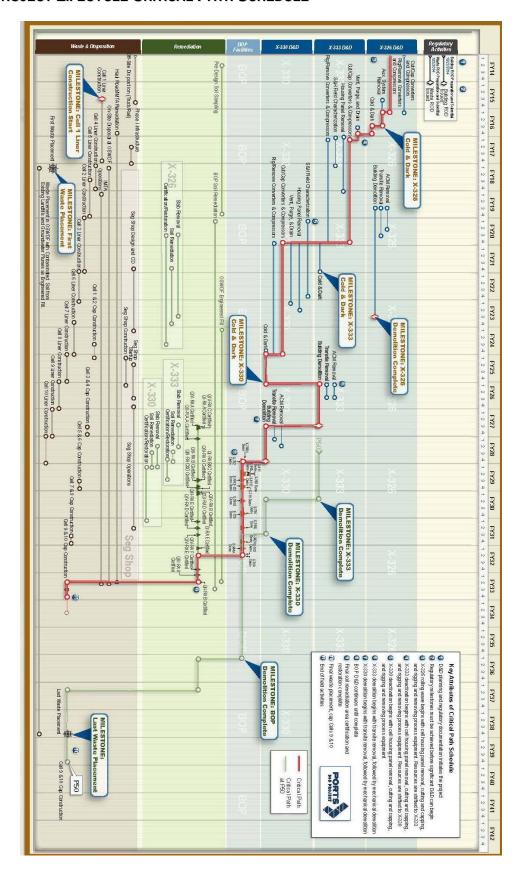
The Board meets bi-monthly to hear presentations by persons working on relevant environmental management topics, listen to and discuss input from citizens, consider recommendations developed by the PORTS SSAB subcommittees, and perform other business. The Board strives for consensus in reaching decisions 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*.

Every month SSAB members participate in subcommittees to focus on various topics related to site cleanup. Active subcommittees for the fiscal year 2017 were established based on project priorities, as selected by the SSAB members, with guidance from DOE. They are:

- Historical Legacy & Community Engagement
- Decontamination and Decommissioning/Remediation Progress
- Future Use
- Budget and Lifecycle Planning

This Work Plan addresses the SSAB priorities for the 2017 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



SUBCOMMITTEE DESCRIPTIONS

HISTORIC LEGACY AND COMMUNITY ENGAGEMENT

The mission of the Historic Legacy and Community Engagement subcommittee is to make recommendations regarding the short-and long-term visions for preserving and archiving the role of the Portsmouth Gaseous Diffusion Plant in the community and the nation that represents the communities' interests as well as to create avenues for communication to the communities impacted by the environmental management activities at the site.

HIGHLIGHTS OF PREVIOUS SUBCOMMITTEE WORK PRODUCED THE FOLLOWING RECOMMENDATIONS:

10-05: The PORTS SSAB recommends that DOE develop a plan to offer DOE Plant site tours and develop informational and educational materials for the purpose of increasing stakeholder knowledge and awareness of the daily ongoing environmental management and clean-up operations.

10-04: The DOE EM SSAB recommends that a meeting be held with official representatives of all counties, cities, villages, and townships within the five county areas of Adams, Jackson, Pike, Ross, and Scioto to discuss the current D&D activities and future land use possibilities to help insure that constructive public comments are obtained.

13-03: The PORTS EM SSAB recommends DOE and its contractors develop four informative displays to be shown in each of the four counties surrounding the PORTS facility. These displays should be mobile and the locations in each of four counties should vary on a rotating basis...The PORT EM SSAB believes it is important for future generations to understand the importance of the PORTS facility.

FY 2017 HISTORIC LEGACY AND COMMUNITY ENGAGEMENT Topics

Month	Subject		
September	Elect Subcommittee Leadership Volunteer Organization for DOE Science Alliance		
October	DOE Science Alliance Recap – DOE DOE Science Alliance Recap – Subcommittee Chair		
November	DOE D&D Project Briefing SSAB Member Recruitment Opportunity		
December	Education Workshop		
January	DOE Quarterly Public Meeting Preparation		
February	Volunteer Organization for Science Bowl		
March	DOE Science Bowl Recap – DOE DOE Science Bowl Recap – Subcommittee Chair		
April	Volunteer Organization for Ohio University Student ASER Program		
May	Ohio University Student ASER Program – DOE Ohio University Student ASER Program – Subcommittee Chair		
June	une Traveling Displays Update		
July	Virtual Museum/Oral History Update		

As appropriate, the subcommittee will strive to prepare and present short briefings supporting proposed recommendations during the bi-monthly 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.

DECONTAMINATION AND DECOMMISSIONING (D&D) / REMEDIATION PROGRESS

The mission of the Decontamination and Decommissioning/Remediation Progress subcommittee is to evaluate and make recommendations on DOE's planning and implementation of the treatment, storage, disposal and transportation of wastes and materials for which the EM program is responsible.

PREVIOUS SUBCOMMITTEE WORK PRODUCED THE FOLLOWING RECOMMENDATIONS:

09-03: The Portsmouth EM-SSAB recommends the implementation of accelerated D&D and remediation schedule for the Portsmouth site and funding to make that happen

09-01: The Portsmouth Site Specific Advisory Board recommends that DOE's DRAFT RFP for D&D of the GDP provide support to the local community for regional economic development.

10-06: The DOE EM SSAB recommends that DOE continue to study waste disposition alternatives. As a part of this study, DOE should look at positive impacts of recycling and waste minimization. This study should include, but not be limited to: waste stabilization, recycling, metal smelting, compaction, and shredding as a means of minimizing waste volumes.

11-06: The SSAB recommendation on continued investigation of a potential on-site disposal cell and location. This recommendation is an act of good faith on the part of the SSAB to work in coordination with the U.S. Department of Energy, Fluor B&W, Ohio EPA and the various subcontractors to continue their work associated with the CERCLA process.

11-01: The DOE EM SSAB recommends that DOE continue to study waste disposition alternatives. The PORTS EM SSAB suggests that DOE consider the following parameters if a CERCLA cell is considered such as, but not limited to:

- Possible Use of Multiple Smaller Cells,
- Ensure Minimal Footprint/Waste Minimization/Recycling,
- Reuse Existing Landfills if possible,
- Areas not conducive for reuse should be considered,
- Consider Impact on Cultural resources,
- Blend with Existing Terrain,
- No off-site waste accepted,
- Community benefit-land use management plans should be developed,
- Cells should be Latest Cell technology,
- Additional Education for Community members,
- Complimentary use of Cell Space,
- Industrial Use clean-up standard.

12-01: The SSAB support for enhanced recycling efforts. An aggressive recycling and reutilization effort on the part of the DOE at the Portsmouth site could be used as the model, by which all future D&D projects would be measured... The many benefits of a state of art recycling program include: reduction of any potential disposal cells disposal cells footprint, reduced site legacy costs, more land available for potential redevelopment, reduction of tipping fees associated with disposal, reduced cost of liner materials, potential reduced production cost and environmental impact of newly manufactured materials as well as being able to fund a portion of the project through revenue generated.

13-02: The PORTS EM SSAB believes it is important for DOE to understand the basis for its support of an On-Site Disposal Cell (OSCD). That support does not come from an overarching desire to have nuclear waste placed in our community. The only justification for such a decision is that it provides our

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community its best chance for economic stability in the near term and economic growth for the long term. However, the board wants to make it clear to DOE and the Ohio EPA that it objects to an On-Site Disposal Cell unless certain conditions can be met and explicitly outlined in the upcoming Proposed Plan, regardless of any regulatory hurdles that may exist. To put it simply, these regulatory hurdles are not ours to overcome, but rather they are the responsibility of a concerted effort on the part of DOE, site contractors and the Ohio EPA. The PORTS EM SSAB, like elected officials from throughout the region, endorses the concept of the Future Vision Plan. Our principles for supporting an OSDC, which included aspects of Future Vision Plan, need to be outlined in the DOE Proposed Plan. If DOE and/or the Ohio EPA believe any of them are not feasible, or for whatever reason they cannot be accomplished, then the PORTS EM SSAB recommends all D&D waste be disposed of off-site. The principles are as follows:

- The PORTS EM SSAB requests no new waste generated from off-site locations be placed in any Portsmouth OSDC:
- The PORTS EM SSAB requests all contaminated plumes be exhumed and remediated in a manner that slows for future reindustrialization without unnecessary restrictions at those locations:
- The PORTS EM SSAB requests all known landfills within Perimeter Road, as identified in the Waste Disposition Remedial in a manner that allows for future reindustrialization at those locations. If radiological material exists in any of the currently capped landfills that does not meet the Numerical and Administrative Waste Acceptance Criteria, it must be disposed of offsite:
- The PORTS EM SSAB requests all barrier material, outside of the 326 building, be segregated
 for the potential recovery of its valuable nickel. If the recovery of the nickel material is not
 deemed to be financially advantageous or achievable,
- the PORTS EM SSAB requests all barrier material be disposed of off-site. Such a determination regarding the reuse of the nickel assets shall be made in the near term and shall not exceed the next 5 years for a finalized plan. Final disposition shall not expand beyond 10 years for all of the recovered nickel to be reused/recycled and be removed from the Piketon site;
- The PORTS EM SSAB requests all current and existing waste from the Depleted Uranium Hexafluoride (DUF6) conversion operations be disposed of off-site as these ae known to contain highly toxic and radiological contaminants;
- The PORTS EM SSAB requests the DOE fund an implementable land use plan (as was done
 for the Miamisburg Mound complex) resulting in a usable end state for whatever reuse
 opportunities become available. We request that this plan incorporate green space and
 aesthetics as a component of design;

15-04: The Portsmouth SSAB recommends DOE make redevelopment of the Portsmouth site a priority in its decision-making related to the Portsmouth D&D project. With that end in mind, it is imperative that DOE include Reindustrialization and Asset Recovery in the scope of the PORTS D&D project and provide incentives through award fee for the contractor to perform this important piece of the cleanup project. Likewise, all PORTS D&D subcontracts should include language describing the Reindustrialization and Asset Recovery program to ensure all work being performed is compatible with the reuse goals for the site. Successful implementation of the Reindustrialization and Asset Recovery Program at PORTS requires collaboration with the community.

FY 2017 DECONTAMINATION AND DECOMMISSIONING (D&D) / REMEDIATION PROGRESS Topics

Month	Subject		
September	Elect Committee Leadership On-Site Waste Disposal Facility Construction Update		
October	On-Site Waste Disposal Cell Site Preparations Cold Weather Activities		
November	FY2016 Surveillance & Maintenance Overview		
December	Education Workshop		
January	Lifecycle Baseline Summary Update Near-Term and Long-Term Schedule		
February	Non-Destructive Assay Program Overview		
March	X-326 & X-333 Deactivation Update		
April	Waste Shipping Overview		
May	y Recycling Overview		
June	ne Pump & Treat Overview		
July	Infrastructure Optimization		

As appropriate, the subcommittee will strive to prepare and present short briefings supporting proposed recommendations during the bi-monthly board meetings. 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.

FUTURE USE

The mission of the Future Use subcommittee is to evaluate and make recommendations on DOE's ongoing efforts to develop remedial strategies to clean up land contaminated from legacy activities associated with the Portsmouth site including process buildings and soils. The subcommittee will also provide DOE with recommendations on final cleanup levels. The subcommittee will facilitate public participation in providing feedback to DOE on these decisions considering human health and the environment. DOE complex-wide concerns and impacts related to DOE's missions will also be considered.

PREVIOUS SUBCOMMITTEE WORK PRODUCED THE FOLLOWING RECOMMENDATIONS:

09-02: The Portsmouth EM-SSAB recommends that the future use of the Piketon site never include the interim storage of spent nuclear fuel (High-Level Radioactive Waste)

10-03: The PORTS SSAB recommends that DOE expeditiously develop and design a metal smelter that would be suitable to recycle different types of metals into ingots from D&D operations at the Portsmouth facility for future use at DOE and nuclear reactor sites under specific and regulatory controlled conditions.

10-02: The Portsmouth EM Site Specific Advisory Board supports and recommends integrating the community's core values and long-term goals for economic development in southern Ohio with regard to opportunities associated with advanced energy and environmental technology projects at the Portsmouth Site as an end use objective and with regard to related DOE/EM and D&D planning activities.

10-01: The Portsmouth EM Site Specific Advisory Board recommends that the DOE go forward with the use of an Ohio-based institution of higher learning for the process of conducting a Community wide End Use Study.

11-02: The DOE EM Portsmouth SSAB recommends that DOE create a dedicated location to fit the needs of DOE and the community that will foster the partnership necessary to make the critical D&D decisions and serve as a central location for information dissemination. The potential exists for DOE to coordinate with the Community Reuse Organization (CRO), the Southern Ohio Diversification Initiative, or other private entities for such a multi-purpose facility-either on-site or off-site- that will simultaneously resolve logistical issues for DOE and the community.

12-03: The PORTS EM SSAB agrees with that simple premise, that there is no desire for nuclear waste to be disposed of in Pike County. However, in consideration of all the factors, the PORTS EM SSAB believes on-site disposal of some of the material is in the best interest of the community, provided it is accompanied by certain actions from DOE that will be explained later in this recommendation. The PORTS EM SSAB wants to be clear that it does not believe on-site disposal is in the best interest of the community unless these other factors can be executed. If the DOE believes any of them are not feasible, or for whatever reason cannot be accomplished, then the PORTS EM SSAB recommends all radiologically contaminated waste be dispositioned off-site.

13-04: The PORTS EM SSAB recommends that U.S. Department of Energy fund an implementable land use for the entire reservation, as was done for the Miamisburg Mound Complex, resulting in a usable end state for a variety of reuse opportunities. It is important to establish clear goals for reuse while providing critical habitats for plants and animals. We request that this plan incorporate green space and potential conservation areas adding to the aesthetics as a component of design, and include, but not limited to:

- Utility infrastructure and access;
- Identification of areas outside the perimeter road best suited for redevelopment;
- Preservation of sizable portions of the reservation as green space and potential conservation areas (results of the OU habitat study should be considered in the prioritization and

consideration of such areas.)

Letter to the Honorable Stephen Chu: The PORTS EM SSAB would like to thank you and your staff for its efforts related to the potential lifting of the suspension of non-contaminated metals in radiological areas for recycling purpose at DOE facilities.

13-01: The PORTS EM SSAB fully endorses a lifting of the DOE suspension of non-contaminated scrap metals from radiological areas at DOE facilities, including the Portsmouth Gaseous Diffusion Plant... The board fully understands that current release criteria would still be applicable and that this action in no way represents a reduction of standards... The board sees that lifting of the suspension as a key first step to the establishment of a large scale recycling and ruse program that the site will benefit our community and communities across the nation... That is true not only because of the DOE-SODI agreement, but because of the potential for a national recycling center for metals from radiological areas (as described above) that would put us at the forefront of what is sure to become a thriving industry.

Letter to Senior Advisory David Huizenga: The PORTS EM SSAB invites you and the Honorable Dr. Ernest Moniz, Secretary of Energy, to meet the PORTS EM SSAB members, our elected officials and other community leaders who have a vested interest in the activities at the site. Multiple critical regulatory decisions are upon us and our community is taking a proactive approach regarding future land use of Portsmouth/Piketon reservation and life beyond the D&D program of former uranium enrichment facility.

14-01: The PORTS EM SSAB recommends DOE provide continued support and funding for the Portsmouth Asset Recovery Program. Additionally, the PORTS EM SSAB recommends DOE aggressively pursue the expansion of the Asset Recovery Program as a way to mitigate waste and prioritize clean, cost-efficient site-wide cleanup

15-01: As part of the U.S. Department of Energy's DOE commitment to remediate and prepare the former Portsmouth Gaseous Diffusion Plant (PORTS) in Piketon, Ohio, for future industrial reuse, the Portsmouth SSAB recommends any future RFP associated with the Piketon site include community commitment provisions. On future contracts at PORTS, the SSAB recommends DOE: review the scopes of work to determine how best mission requirements, while taking the local economy and the local business community into consideration; make community commitment provisions integral portions of draft RFPs and the resulting contract of various work scopes at PORTS.

15-02: The Portsmouth SSAB recommends DOE make redevelopment of the Portsmouth site a priority in its decision-making related to the Portsmouth D&D project. With that end in mind, it is imperative that DOE include Reindustrialization and Asset Recovery in the scope of the PORTS D&D project and provide incentives through award fee for the contractor to perform this important piece of the cleanup project.

2017 FUTURE USE Topics

Month	Subject		
September	Elect Subcommittee Leadership Introduction to Cleanup Levels		
October	OSWDF Construction Cold Weather Activities		
November	SODI Update		
December	Education Workshop		
January	Lifecycle Baseline Summary Update		
February	Infrastructure Update		
March	Landfill and Plume Consolidation		
April	ril JEDISO Update		
May	Integrated Energy System Update SODI Property Transfer Update		
June	Ohio University Grant Update		
July	Appalachian Partnership for Economic Growth (APEG) Update		

As appropriate, the subcommittee will strive to prepare and present short briefings supporting proposed recommendations during the bi-monthly board meetings. 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.

BUDGET AND LIFECYCLE PLANNING

The mission of the Budget and Lifecycle Planning subcommittee is to understand and help local stakeholders appreciate the challenges associated with the federal budgeting process and how allocated dollars impact cleanup work at the Portsmouth site. The subcommittee will engage the local communities impacted by the environmental management activities at the Portsmouth Gaseous Diffusion Plant allowing for discussion and education on the site's funding scenarios.

PREVIOUS SUBCOMMITTEE WORK PRODUCED THE FOLLOWING RECOMMENDATIONS:

Budget Letter to Senior Advisor David Huizenga: On behalf of the PORTS EM SSAB, I am writing a letter to express the board's support of three letters recently written by Ohio's senators, Sherrod Brown and Rob Portman, and our representative in the House, Congressman Wenstrup.

FY 2017 BUDGET AND LIFECYCLE PLANNING Topics

Month	Subject		
September	Elect Subcommittee Leadership FY 2017 Budget Update		
October	SSAB Priorities for FY 2018 Subcommittee Recommendation Development for FY 2018 Budget		
November	FY 2017 Budget Briefing Explanation of FY 2018 Budget Formulation Process		
December	Education Workshop		
January	Lifecycle Baseline Summary Near-Term and Long-Term Schedule		
February	Barter Program Overview		
March	President's Budget Request Briefing		
April	Explanation of FY 2019 Budget Formulation Process		
May	Integrate Lifecycle Baseline Summary for FY 2019		
June	June Subcommittee Recommendation Development for FY 2019 Budget		
July	FY 2018 Budget Update		

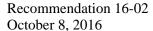
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SSAB MEETINGS

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.

	Historic Legacy & Community Engagement	D&D/ Remediation Process	Future Use	Budget * Lifecycle Planning
September 2016	Volunteer Organization for DOE Science Alliance	On-Site Waste Disposal Facility Construction Update	Introduction to Cleanup Levels	FY 2017 Budget Update
October 2016	DOE Science Alliance Recap	OSWDF Construction Cold Weather Activities	OSWDF Construction Cold Weather Activities	Recommendation Development for FY 2018 Budget
November 2016	DOE Quarterly Public Meeting SSAB Member Recruitment Opportunity	FY2016 Surveillance & Maintenance Overview	SODI Update	FY 2017 Budget Briefing; Explanation of FY 2018 Budget Formulation Process
December 2016	Education Workshop	Education Workshop	Education Workshop	Education Workshop
January 2017	DOE D&D Project Briefing	Lifecycle Baseline Summary Update	Lifecycle Baseline Summary Update	Lifecycle Baseline Summary Update
February 2017	Volunteer Organization for Science Bowl	Non-Destructive Assay Program Overview	Infrastructure Update	Barter Program Overview
March 2017	DOE Science Bowl Recap	X-326 & X-333 Deactivation Update	Landfill and Plume Consolidation	President's Budget Request Briefing
April 2017	Volunteer Organization for Ohio University Student ASER Program	Waste Shipping Overview	JEDISO Update	Explanation of FY 2019 Budget Formulation Process
May 2017	Ohio University Student ASER Program	Recycling Overview	Integrated Energy System Update SODI Property Transfer Update	Integrate Lifecycle Baseline Summary for FY 2019
June 2017	Traveling Displays Update	Pump & Treat Overview	Ohio University Grant Update	Subcommittee Recommendation Development for FY 2019 Budget
July 2017	Virtual Museum/Oral History Update	Infrastructure Optimization	Appalachian Partnership for Economic Growth (APEG) Update	FY 2018 Budget Update





Portsmouth EM Site Specific

Advisory Board

Chair

Bob Berry

Co-Vice Chair

Lisa Bennett

Co-Vice Chair

Carlton L. Cave

Board Members

Eric A. Braun
Bradley Burns
Maddeline C. Caudill

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Al Don Cisco

Dennis Foreman

Carl R. Hartley

Ronda J. Kinnamon

Neil Leist

Bernard S. Neal

Irma C. Payne

Cynthia Quillen

Jimmy E. Smalley

Gregory Stepp

Judy R. Vollrath

Deputy Designated Federal Official

Joel Bradburne

DOE Federal Coordinator

Greg Simonton

SUPPORT SERVICES

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RECOMMENDATION 16-02: Portsmouth (PORTS) Environmental Management (EM) Site Specific Advisory Board (SSAB) Priorities for President's 2018 Budget Request

BACKGROUND: In recent years, the U.S. Department of Energy (DOE) Office of Environmental Management (EM) has requested input from advisory boards across the EM complex regarding community priorities as site budgets are formulated.

The PORTS EM SSAB recognizes that each community has a unique set of circumstances to consider when establishing priorities for these large-scale projects. The circumstances for the Portsmouth site are centered around an economic climate with high unemployment where the focus is on workforce continuity, job creation, reindustrialization and recycling.

It is imperative for the sake of the southern Ohio economy that the Portsmouth decontamination & decommissioning (D&D) project be fully funded with attention paid to reindustrialization efforts to ensure workforce stability during and after the D&D project. It is with these circumstances in mind that the PORTS EM SSAB makes the following recommendation.

RECOMMENDATION: The PORTS EM SSAB recommends DOE consider a closure fund approach for the Portsmouth site, as has been executed at other DOE sites. The Portsmouth site does not have extraordinary technical challenges and the threat to the D&D Project here is one of project stability based on potentially inconsistent funding levels, partly as a result of the reliance on uranium barter proceeds.

By establishing Portsmouth as a closure site, the D&D Project can move forward with certainty and more efficiency. That approach proved to be successful at Fernald, Mound Facility in southwest Ohio, and Rocky Flats and the PORTS EM SSAB believes that approach will be successful here.

As for board priorities on the project, clearly workforce continuity in a key priority, along with the construction of the On-Site Waste Disposal Facility, the deactivation of process buildings, reindustrialization efforts (including property transfer), and the continuation of recycling efforts through the DOE-Southern Ohio Diversification Initiative (SODI) Asset Transition Agreement.

The PORTS EM SSAB is emphatic that even if DOE chooses not to make Portsmouth a closure site, another key board priority is for the Department to communicate a strategy to local stakeholders on how the project will continue uninterrupted as the supply for the uranium barter program expires.

The board would like to thank DOE for soliciting this input. The value of the SSAB program, and all programs where public engagement occurs, is significant as evidenced by the numerous examples across the EM complex of how communications with the public have benefitted DOE and stakeholders alike.

Thank you for your attention to the Portsmouth D&D project and recognizing its importance to southern Ohio.

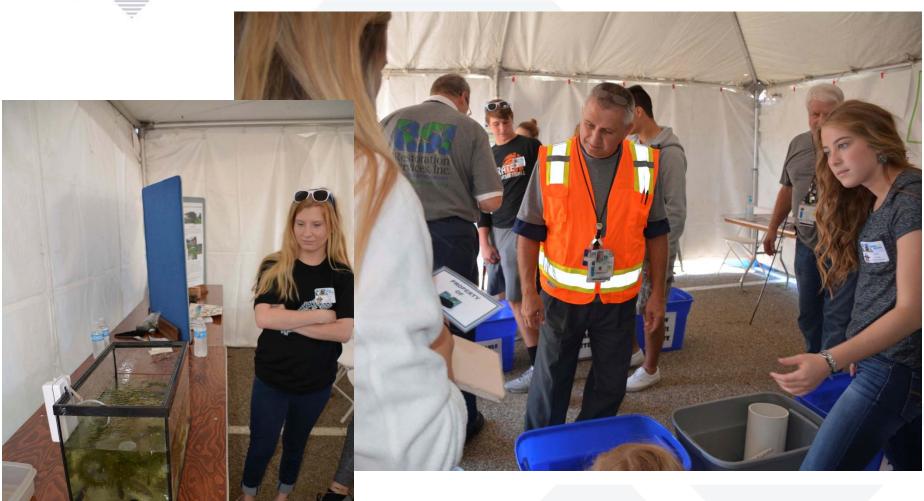


Outreach Activities













10/12/2016











Employee Giving Campaign

September 6 – October 3





Employee Giving Campaign





Employee Giving Campaign





Robotics Technology Thrust

Marty Reibold

Director of Strategic Initiatives
Fluor-BWXT Portsmouth
October 2016





Science of Safety Initiative

Robotic Technology Thrust Focus on the EM Workforce



Science of Safety

Infusing and integrating scientific and technological advancements into the routines of work planning and execution in a manner that

- improves safety and quality and
- reduces the government's liability for cleanup





Robotic Technology Thrust

EM is actively promoting the use of advanced robotic technologies as a key mission-enabler

Work

SAFER

Work

SMARTER

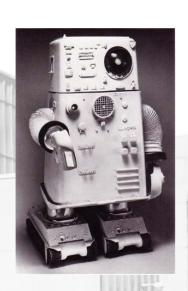




A reprogrammable, multifunctional manipulator designed to move material, parts, tools, or specialized devices through various programmed motions for the performance of a variety of Robot Institute of America, 1979





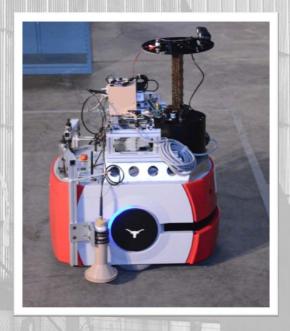


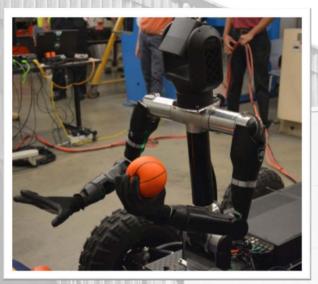




Robotic Technologies Test Bed

Portsmouth Deactivation and Decommissioning Project









"The Challenge"

- Demonstrate relevancy and utility of robotic technologies to catalyze the Science of Safety initiative
- Key Features
 - Worker safety
 - Work performance
 - Relevant technologies
 - Field demonstrations
 - Workforce engagement
 - Utility
 - Workers operation
 - Complete by summer's end



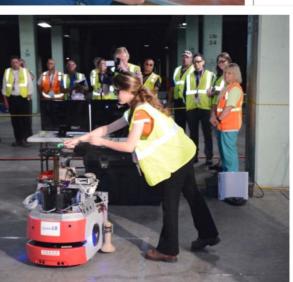


By the numbers...

- 4 days
- 24 robots
- 30 USW/FBP workers
- 11 expert roboticists and technologists
 - 2 DOE national labs
 - 2 other federal labs
 - 2 not-for-profits
 - 5 universities









Collaborators





















Carnegie Mellon University
The Robotics Institute

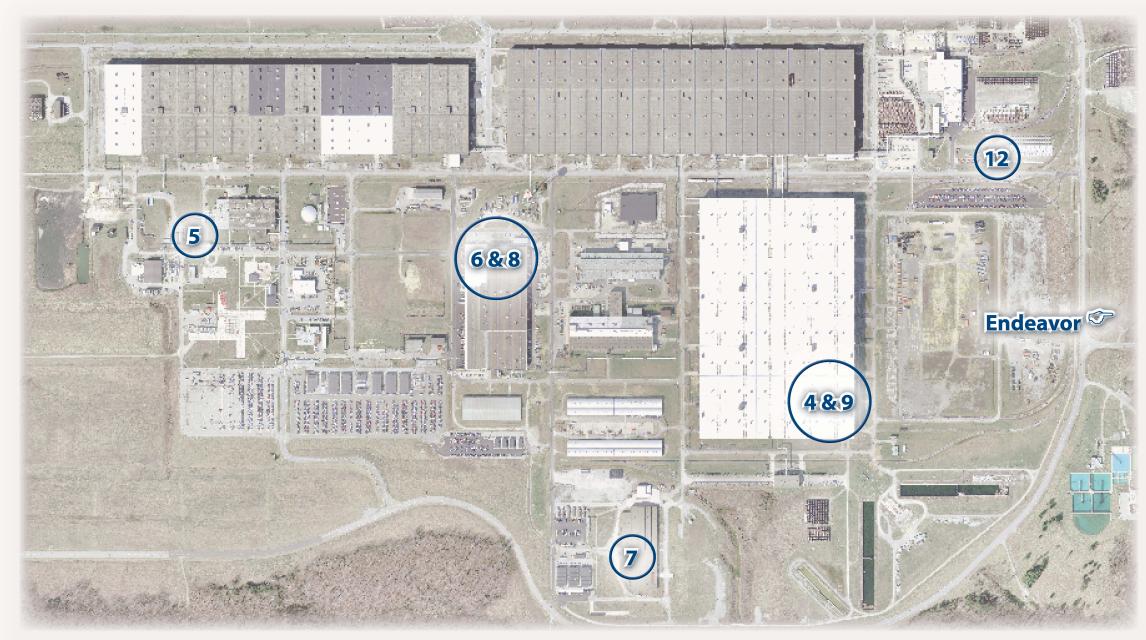


NATIONAL AERONAUTICS AND SPACE ADMINISTRATION



SOUTHWEST RESEARCH INSTITUTE®







Demonstrations

1.) Machine Learning Pipe Crawler - Endeavor

Sandia National Laboratories - Scott Gladwell

2.) Modular Prosthetic Limb - Endeavor

Johns Hopkins University APL - Mike McLoughlin

3.) Virtual Reality Immersive Teleoperation - Endeavor

Open Source Robotics Foundation - Morgan Quigley

4.) Radiation Robotic Rabbit - X-333

State University of New York Oswego/Exelon - Joe Garcia

5.) Serpentine and Modular Robots - X-760

Carnegie Mellon University - Howie Choset

6.) Swabbing UAVs - X-720

Purdue University - Richard Voyles

7.) Forklift Automated Safety System - X-744G

Southwest Research Institute - David Chambers

8.) Human-Centered Robot-Robot Teams - X-720

Texas A&M University - Craig Marianno

9.) Mobile Systems for Inspection - X-333

University of Texas - Austin - Mitch Pryor

10.) Robo-Glove - Endeavor

National Aeronautics and Space Administration - Joshua Mehling

11.) Virtual and Augmented Reality Modeling - Endeavor

Savannah River National Laboratory - John Bobbitt

12.) Robotic Inspection of Cylinders - X-745F Cylinder Yard Sandia National Laboratory - Jake Deuel

MONDAY, AUGUST 22

8:00 a.m. Orientation/Introductions Endeavor 160 Contact: Elizabeth Scott

10:30 a.m. 4 - Radiation Robotic Rabbit X-333 Contact: Keith Banks, FBP

12:30 p.m. Lunch Station - \$8 Endeavor 160 Miracle City Academy

8 - Human-Centered Robot-Robot Teams 1:30 p.m. X-720 Contact: Marty Kelley, FBP

TUESDAY, AUGUST 23

7:30 a.m. Badging and Security Briefing (Endeavor)

8:00 a.m. 10 - Robo-Glove Endeavor 160 Contact: John Sisler, FBP

10:00 a.m. 1 - Machine Learning Pipe Crawler Endeavor 160 Contact: Russ Riddle, FBP

12:00 p.m. Lunch Station - \$8 Endeavor 160 Miracle City Academy

9 - Mobile Systems for Inspection 1:00 p.m. X-333 Contact: Dave McClay, FBP

7:30 a.m. Badging and Security Briefing (Endeavor)

WEDNESDAY, AUGUST 24

8:00 a.m. 12 - Robotic Inspection of Cylinders X-745F Contact: Keith Banks, FBP

7 - Forklift Automated Safety System 10:00 a.m. X-744G Contact: Dave McClay, FBP

12:00 p.m. Lunch Station - \$15 Endeavor 160 Scioto Ribber

11 - Virtual and Augmented Reality Modeling 1:00 p.m.

Endeavor EHI Contact: Bobby Fuhr, FBP

FLUOR-BWXT KEY CONTACTS:

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THURSDAY, AUGUST 25

7:15 a.m. Badging and Security Briefing (Endeavor)

8:00 a.m. 5 - Serpentine and Modular Robots X-760 Contact: Keith Banks & Marty Kelley, FBP

6 - Swabbing UAVs 10:00 a.m. Contact: Marty Kelley, FBP X-720

12:00 p.m. Lunch Station - \$8 Endeavor 160 Miracle City Academy

2 - Modular Prosthetic Limb (Weld Shop) 1:00 p.m.

Endeavor Contact: John Sisler, FBP

3:00 p.m. 3 - Virtual Reality Immersive Teleoperation Endeavor EHI Contact: Bobby Fuhr, FBP