

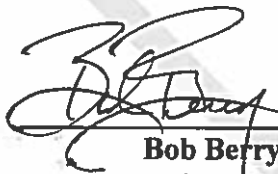
# PORTSMOUTH SITE SPECIFIC ADVISORY BOARD

## ANNUAL WORK PLAN

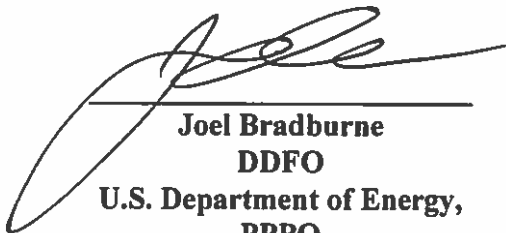
### Fiscal Year 2018



The attached SSAB Work Plan has been agreed upon by U.S. Department of Energy and the Portsmouth Site Specific Advisory Board on September 7, 2017:



**Bob Berry**  
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 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 2018 were established based on project priorities, as selected by the SSAB members, with guidance from DOE. They are:

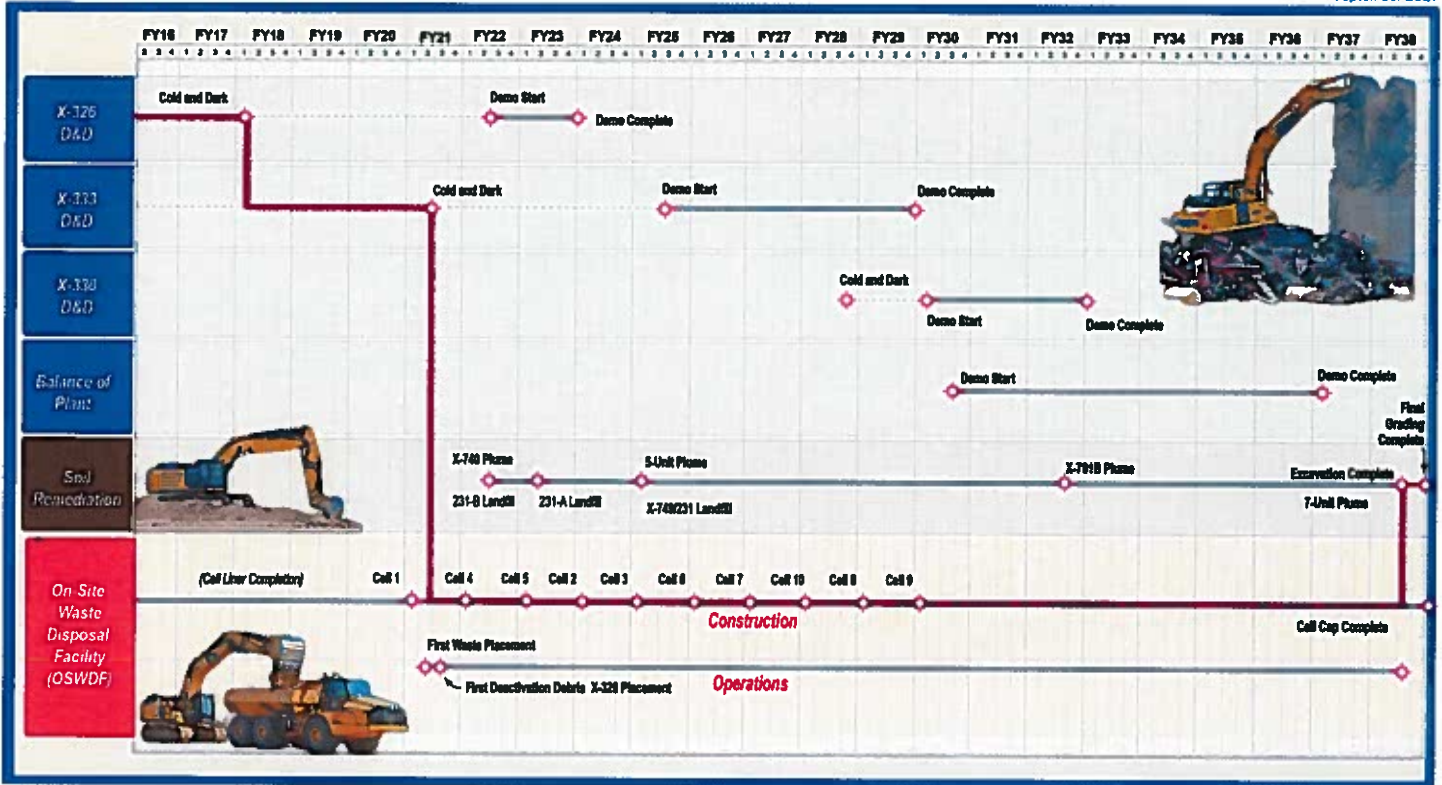
- Historical Legacy & Community Engagement
- Decontamination and Decommissioning/Remediation Progress
- Future Use
- Budget and Lifecycle Planning

This Work Plan addresses the SSAB priorities for the 2018 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 r1

September 2017



## 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.

### FY 2018 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	Hosting Spring EM SSAB Chairs meeting SSAB Member Recruitment Opportunities
December	Education Workshop
January	Hosting Spring EM SSAB Chairs meeting
February	Volunteer Organization for Science Bowl Update on Current Historical Efforts: Virtual Museum, Displays, Artifacts
March	DOE Science Bowl Recap – DOE DOE Science Bowl Recap – Subcommittee Chair
April	Hosting Spring EM SSAB Chairs meeting
May	Ohio University Student ASER Program – DOE Ohio University Student ASER Program – Subcommittee Chair
June	EM SSAB Chairs meeting
July	Member Education and Training

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.

### HIGHLIGHTS OF PREVIOUS SUBCOMMITTEE WORK PRODUCED THE FOLLOWING RECOMMENDATIONS:

**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.*

**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.*

**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.*

**DECONTAMINATION AND DECOMMISSIONING (D&D) /REMEDATION 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.

**FY 2018 DECONTAMINATION AND DECOMMISSIONING (D&D) /REMEDATION PROGRESS TOPICS**

Month	Subject
September	Elect Committee Leadership On-Site Waste Disposal Facility Construction Update
October	Waste Disposition Streams and Tour
November	X-333 Update and Tour Segmentation Shop Update and Tour
December	Education Workshop
January	Lifecycle Baseline Summary Update Near-Term and Long-Term Schedule
February	Reclamation and Storage of Precious Metals
March	Infrastructure Optimization Update
April	Waste Shipping Overview and Tour
May	Recycling Overview
June	Host Spring EM SSAB Chairs Meeting
July	Member Education and Training

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.

**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.*

**11-01:** *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.

**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.

**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 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 off-site;
- 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 are 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.*

**15-05:** *The PORTS EM SSAB withdraws support for on-site disposal under the current conditions and recommends DOE modify the Record of Decision (ROD) to strengthen DOE commitments that are required by the community for support of on-site waste disposal. The PORTS EM SSAB does not object to DOE's plan for D&D of the Portsmouth Gaseous Diffusion Plant, only the lack of commitment from DOE to complete the project in a manner that will foster future development. The board understands the need for DOE to continue On-Site Waste Disposal Facility (OSDC) construction efforts to align waste disposal with D&D activities and does not object to those efforts continuing, but DOE should recognize the community expects these regulatory deficiencies to be addressed before any waste placement occurs. In other words, DOE's construction efforts should be considered at risk until the community's conditions for support of on-site disposal are satisfied.*



## 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.

### 2018 FUTURE USE TOPICS

Month	Subject
September	Elect Subcommittee Leadership On-Site Waste Disposal Facility Construction Update
October	Waste Disposition Streams and Tour
November	Segmentation Shop Update and Tour
December	Education Workshop
January	Lifecycle Baseline Summary Update
February	SODI Update
March	Infrastructure Optimization Update and Tour
April	JEDISO Update
May	Recycling Program Update and Tour
June	Host Spring EM SSAB National Chairs meeting
July	Member Education and Training

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.

### 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)*

**10-01:** *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.*

**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.*

**10-03:** *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.*

**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.*

**13-01:** *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 reuse 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.*

**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.*

**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.*

**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.

**FY 2018 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 2018 Budget Briefing Explanation of FY 2019 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 2020 Budget Formulation Process Integrate Lifecycle Baseline Summary for FY 2020
May	Subcommittee Recommendation Development for FY 2020 Budget
June	Host Spring EM SSAB National Chairs meeting
July	Member Education and Training

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.

**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.*

## **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.

	<b>Full Board Meeting</b>	<b>Historic Legacy &amp; Community Engagement</b>	<b>D&amp;D/ Remediation Process</b>	<b>Future Use</b>	<b>Budget &amp; Lifecycle Planning</b>
<b>September 7, 2017</b>	TBA				
<b>September 19, 2017</b>		-Elect Subcommittee Leadership -Volunteer Organization for DOE Science Alliance	-Elect Committee Leadership -On-Site Waste Disposal Facility Construction Update	-Elect Subcommittee Leadership -On-Site Waste Disposal Facility Construction Update	-Elect Subcommittee Leadership -FY 2017 Budget Update
<b>October 10, 2017</b>		-DOE Science Alliance Recap – DOE -DOE Science Alliance Recap – Subcommittee Chair	Waste Disposition Streams and Tour	Waste Disposition Streams and Tour	-SSAB Priorities for FY 2018 -Subcommittee Recommendation Development for FY 2018 Budget
<b>November 2, 2017</b>	TBA				
<b>November 14, 2017</b>		-Hosting Spring EM SSAB Chairs meeting -SSAB Member Recruitment Opportunities	X-333 Update and Tour Segmentation Shop Update and Tour	Segmentation Shop Update	-FY 2018 Budget Briefing -Explanation of FY 2019 Budget Formulation Process
<b>December 2017</b>		<b>Education Workshop</b>	<b>Education Workshop</b>	<b>Education Workshop</b>	<b>Education Workshop</b>
<b>January 9, 2018</b>		Hosting Spring EM SSAB Chairs meeting	-Lifecycle Baseline Summary Update -Near-Term and Long-Term Schedule	Lifecycle Baseline Summary Update	-Lifecycle Baseline Summary -Near-Term and Long-Term Schedule
<b>January 11, 2018</b>	TBA				
<b>February 13, 2018</b>		-Volunteer Organization for Science Bowl -Update on Current Historical Efforts Virtual Museum Displays Artifacts	Reclamation and Storage of Precious Metals	SODI Update	Barter Program Overview
<b>March 1, 2018</b>	TBA				
<b>March 13, 2018</b>		-DOE Science Bowl Recap – DOE -DOE Science Bowl Recap – Subcommittee Chair	Infrastructure Optimization Update	Infrastructure Optimization Update and Tour	President's Budget Request Briefing
<b>April 10, 2018</b>		Hosting Spring EM SSAB Chairs meeting	Waste Shipping Overview and Tour	JEDISO Update	-Explanation of FY 2020 Budget Formulation Process -Integrate Lifecycle Baseline Summary for FY 2020

<b>May 3, 2018</b>	<b>TBA</b>				
<b>May 8, 2018</b>		-Ohio University Student ASER Program – DOE -Ohio University Student ASER Program – Subcommittee Chair	Recycling Overview	Recycling Program Update and Tour	Subcommittee Recommendation Development for FY 2020 Budget
<b>June TBD, 2018</b>		Host Spring EM SSAB National Chairs meeting	Host Spring EM SSAB National Chairs Meeting	Host Spring EM SSAB National Chairs meeting	Host Spring EM SSAB National Chairs meeting
<b>July TBD, 2018</b>		Member Education and Training	Member Education and Training	Member Education and Training	Member Education and Training