



# PORTSMOUTH EM SITE SPECIFIC ADVISORY BOARD

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

## Proposed Agenda for the March 2, 2017 Board Meeting

### Chair

Robert L. Berry

### Co-Vice Chairs

Lisa Bennett

Carlton L. Cave

### Board Members

Eric A. Braun

Bradley Burns

Maddeline C. Caudill

Al Don Cisco

Dennis Foreman

Carl R. Hartley

Ronda J. Kinnamon

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

### 6 p.m.

Call to Order, Introductions

Review of Agenda

Approval of January Minutes

### DDFO Comments

--15 minutes

### Federal Coordinator Comments

--10 minutes

### Liaison Comments

-- 5 minutes

### Presentation-

--20 minutes

DOE South Central Ohio Regional Science Bowl demonstration

Jack Williams, Fluor-BWXT Portsmouth

### Presentation-

--20 minutes

PEGASIS geographic mapping demonstration

Larry McCandless, Fluor-BWXT Portsmouth

### Administrative Issues

--20 minutes

### Subcommittee Updates

--5 minutes

### Public Comments

--15 minutes

### Final Comments from the Board

--15 minutes

### Adjourn

### Support Services

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## PORTSMOUTH EM SITE SPECIFIC ADVISORY BOARD

MINUTES OF THE THURSDAY, MARCH 2, 2017, SSAB MEETING • 6:00 P.M.

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

**Site Specific Advisory Board (SSAB) Members Present:** Chair Bob Berry, Co Vice-Chair, Carlton Cave; Brad Burns, Al Don Cisco, Dennis Foreman, Carl Hartley, Ronda Kinnamon, Cynthia Quillen, Jimmy Smalley, Greg Stepp, Judy Vollrath

**SSAB Members Absent:** Co Vice-Chair, Lisa Bennett; Eric Braun, Carol Caudill, Bernie Neal, Charlene Payne

**U.S. Department of Energy (DOE) and Contractors:** Joel Bradburne, Greg Simonton, Johnny Reising, DOE; Rick Greene, Joe Moore, Restoration Services, Inc. (RSI); Julie Galloway, Cindy Lewis, EHI Consultants (EHI); Jeff Wagner, Fluor-BWXT Portsmouth (FBP)

**Liaisons:** Dustin Tschudy, Ohio Environmental Protection Agency (EPA)

**Facilitator:** Eric Roberts, EHI

**Public:** David Manuta, MC2; Megan Williams, Scioto Valley Local School District; Billy Spencer, Village of Piketon

Approved by Bob Berry, Board Chair

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Bob Berry

**Call to Order:**

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

**Roberts:** I would like to welcome everyone, and I will be facilitating the meeting. There will be a public comment period after the presentations. The board should stay within its defined scope and follow the meeting ground rules adopted.

**March Agenda:**

**Roberts:** Are there any modifications or proposed changes to the March agenda?

- **Cisco:** I make a motion to approve the March agenda.
- **Kinnamon:** I second the motion.
  - **Motion carried, agenda approved**

**January Minutes:**

**Roberts:** Are there any modifications or proposed changes to the January minutes?

- **Burns:** I make a motion to approve the January minutes.
- **Cisco:** I second the motion.
  - **Motion carried, minutes approved**

**DDFO comments provided by Joel Bradburne, Site Lead, DOE:**

- **D&D Safety Update**
- **PORTS Integrated Baseline**
- **Project Update – X-326-Criticality Incredible**
- **Project Update – X-333**
- **Project Update – Balance of Plant**
- **OSWDF Update**
- **Property Transfer**
- **Environmental Remediation**
- **Mutual Aid**
- **D&D Project Update**
- **Public Tours**
- **Educational Outreach**
- **Community Outreach**
- **Upcoming Site Events**

<b>Question/Comment:</b>	<b>Answer:</b>
<b>Smalley:</b> Do they still use the stop work, review program?	<b>Bradburne:</b> Yes, everybody has stop work, authority.

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

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

***Simonton:***

The first thing I want to mention is property transfer. I would like to say thank you to Dustin and Mike for their efforts to get this transfer completed. In addition, thank you to Bob, Julie and Rick. They gave an overview of the SSAB board to the ASER group from Piketon High School. They did a great job.

**Liaison comments provided by Dustin Tschudy, OEPA:**

***Tschudy:*** OEPA is still working on NRC. It is moving in a good direction.

<b><i>Question/Comment:</i></b>	<b><i>Answer:</i></b>
<p><b><i>Foreman:</i></b> Piketon ordered the third-party assessment. Something I was reading said the waste disposal does not meet NRC standards. How much of a difference is there between NRC standards and DOE standards?</p> <p>That is why I was asking, I was confused and concerned. I am just trying to understand this all a little better.</p> <p>There are so many regulations it is hard to keep track of them all.</p>	<p><b><i>Bradburne:</i></b> Nuclear Regulatory Commission (NRC) licenses the private sector. That licensing is for facility operations, handling of radioactive material and disposal of radioactive waste. The DOE regulates departmental programs including operations, radioactive material, and radioactive waste. The two are not completely the same. From the Nuclear Regulatory side you are talking about commercial power reactors for the most part. Also from the USEC standpoint, there is also uranium enrichment. The private sector is not allowed to access the Federal side unless the government has a vested interest in that and DOE cannot dispose of any of their material in the private sector. Generally, they follow the same track. There are just some differences in some things. If you remember back when the site transitioned from a private control gaseous diffusion plant, that was a big deal to DOE. In 1998, the government issued the Privatize Act after that the gaseous diffusion fell under USEC, which is under NRC regulation so DOE did not have a lot of authority there. Then it came back in 2011 we had to go through a lot of structure process to transfer it back from NRC authority to DOE authority. NRC has to prove that they satisfied their requirements.</p>

<b>Smalley:</b> Do they still have NRC inspectors on plant site? They used to because I had to deal with them.	<b>Bradburne:</b> I am not sure how that structure is at Centrus right now.
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**DOE South Central Ohio Regional Science Bowl Demonstration – Jack Williams, FBP:**

A demonstration game was performed using board members as the participants to get a feel for how the science bowl operates.

**PEGASIS Geographic Mapping Demonstration- Larry McCandless, FBP:**

<b>Question/Comment:</b>	<b>Answer:</b>
<p><b>Foreman:</b> Does that show underground too?            Are those on planes now?</p> <p>I would like to see, with drones you would not have to hire a big plane to fly over the site all the time.</p> <p>So can you fly over the site?</p>	<p><b>McCandless:</b> No, it does not show underground.            They are on planes, which is what we are currently using. Drones are capable of doing this.</p> <p>We are investigating that with NRC regulations Drone flight has not been approved. We are working on getting that done. They are very restrictive. This is military operation air space.            I have to get permission.</p>
<p><b>Quillen:</b> What if I want to copy that image and put it on paper? I work with Emergency Management and I could use these maps.</p> <p>Do I have to get special permission to access this?</p>	<p><b>McCandless:</b> We do not have a print option. We can furnish that to you most of the time.</p> <p>No this is open to the public. There are no restrictions on the web site.</p>

**Administrative Issues:** The National Chairs meeting is May 8-11, 2017. We have three spots if you are interested in attending please let Julie know to put you on the list. Next Board Meeting is May 4, 2017.

**Subcommittee Updates:**

**Budget and Lifecycle Planning Subcommittee Update by Judy Vollrath:**

**Vollrath:** The Budget and Lifecycle Planning Subcommittee met on January 17. The purpose of the meeting was to give an update on Continuing Resolution and FY 2017 milestones. The subcommittee met again on February 21. The purpose of the meeting was to discuss the SSAB FY 2018 budget priorities recommendation.

**D&D/Remediation Subcommittee Update by Al Don Cisco:**

**Cisco:** The D&D/Remediation and Future Use Subcommittee met on January 17. The purpose of the meeting was to have an update on the X-326 Deactivation. The

subcommittee met again on February 21. The purpose of the meeting was to give an update on site deactivation activities.

**Future Use Subcommittee Update by Dennis Foreman:**

**Foreman:** The D&D/Remediation and Future Use Subcommittee met on January 17. The purpose of the meeting was to present an update on JEDISO. The subcommittee met again on February 21. The purpose of the meeting was to have an overview on the Waste Acceptance Criteria (WAC).

**Historic Legacy & Community Engagement Subcommittee Update by Cindy Quillen:**

**Quillen:** The Historic Legacy & Community Engagement Subcommittee met on January 17. The purpose of the meeting was to present an update on the DOE Public Meeting. The subcommittee met again on February 21. The purpose of the meeting was to present a recap on the DOE Public Meeting, Science Bowl Volunteers and an overview on the Environmental Information Center (EIC).

**Public Comment:**

**Spencer:** I would like to read this letter (see attached) from The Village of Piketon in order to have it added to the minutes. We support jobs and always will.

**Manuta:** Thank you Jack and everyone for doing the Science Bowl Demonstration, I really enjoyed it. I also want to thank Larry for the Mapping Demonstration. I want to address Al Don's comment about hot and cold. When I used to teach physics classes, we would define cold as absence of heat. To give you the added comparison when we would go to the cafeteria and someone would say the food was hot, we did not know if it was hot or spicy hot. Now you know cold and dark. I also heard the nickel issue raised. For people that are new to the board, nickel was a component in the converters. One of the key things we want to be concerned about is that the nickel be cleaned, not radioactive and therefore be available for future use.

**Final Comments from the board:** None

**Berry:** Adjourned

**Next Meeting:** May 4, 2017

**Action Items:** None

PREPARING THE FUTURE

# PORTS

D & D PROJECT

# DEPUTY DESIGNATED FEDERAL OFFICIAL PRESENTATION

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

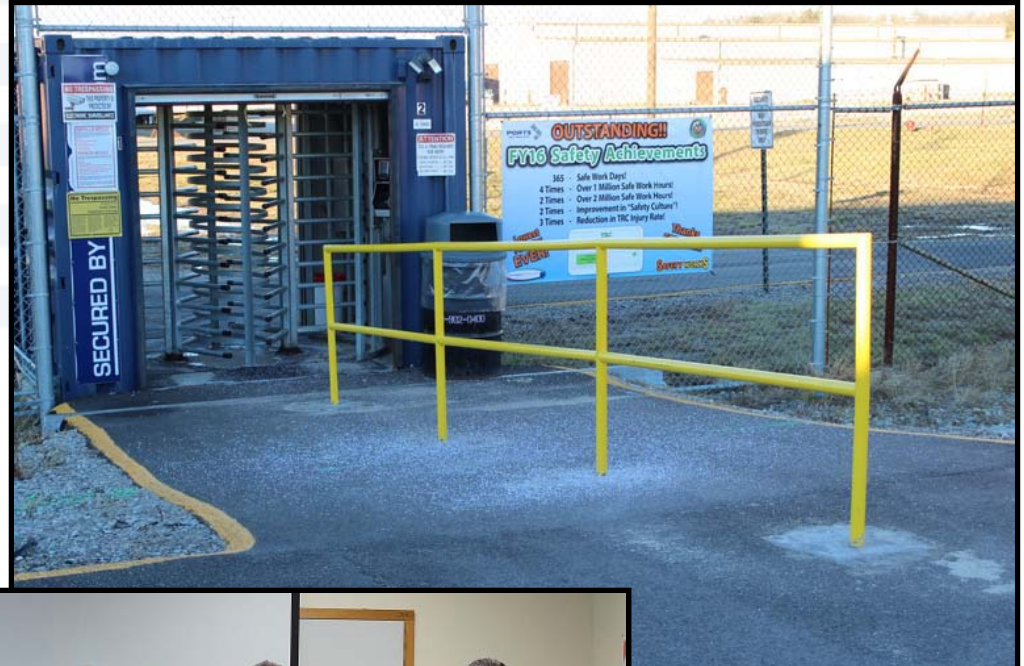
**Portsmouth Site Specific Advisory Board  
March 2, 2017**



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



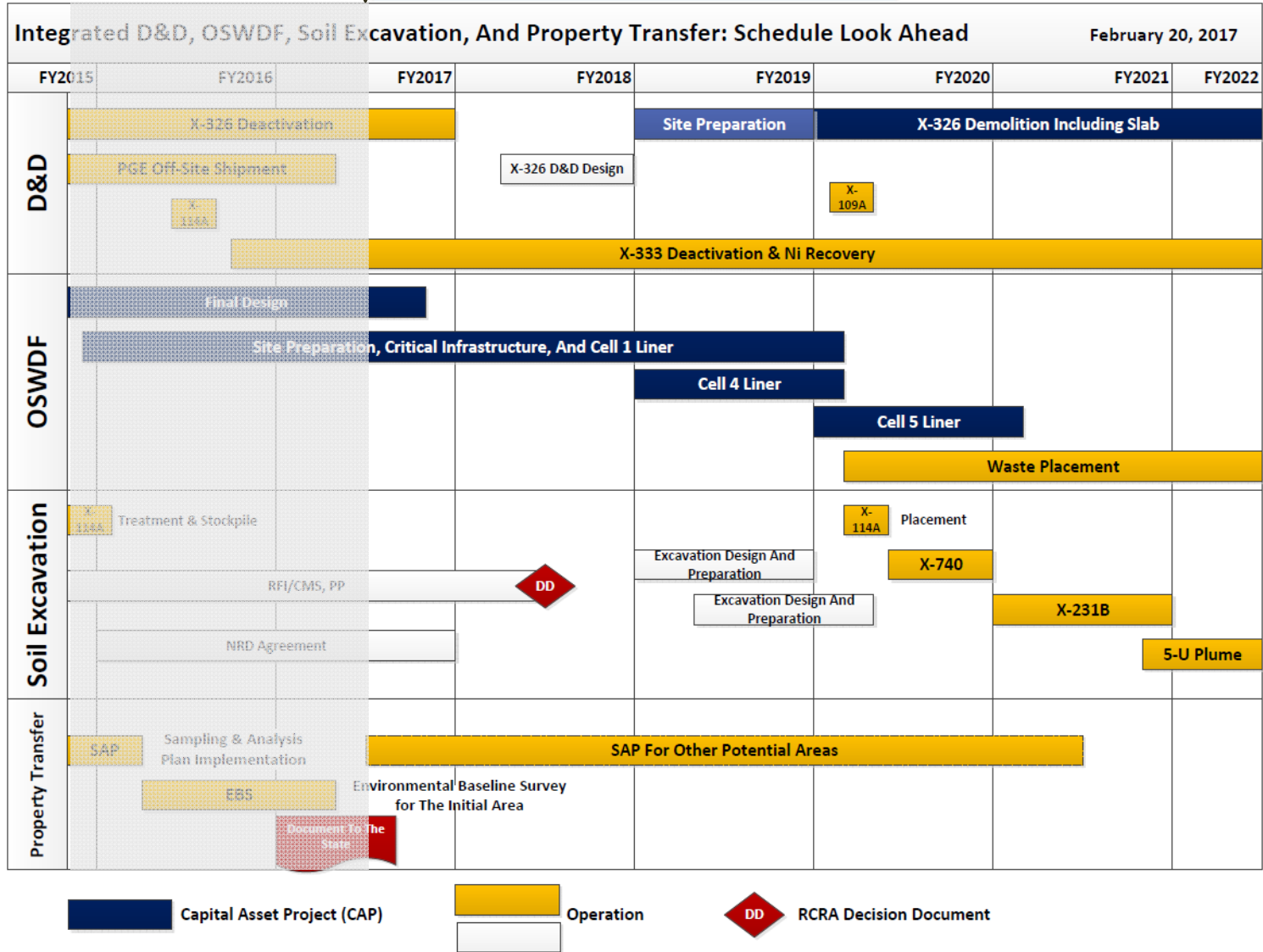
# D&D Safety Update



**YOU are the KEY to SAFETY!**



# PORTS Integrated Baseline







# Project Update

## X-326 – Criticality Incredible

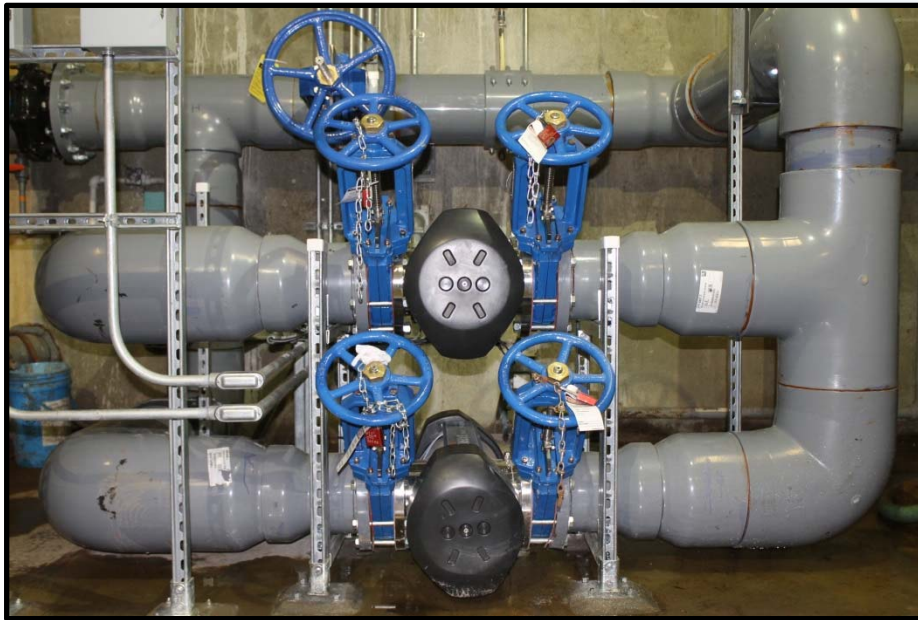


# Project Update - X-333





# Project Update – Balance of Plant



X-6619 Ultraviolet Disinfectant System



X-611 Sodium Hypochlorite System

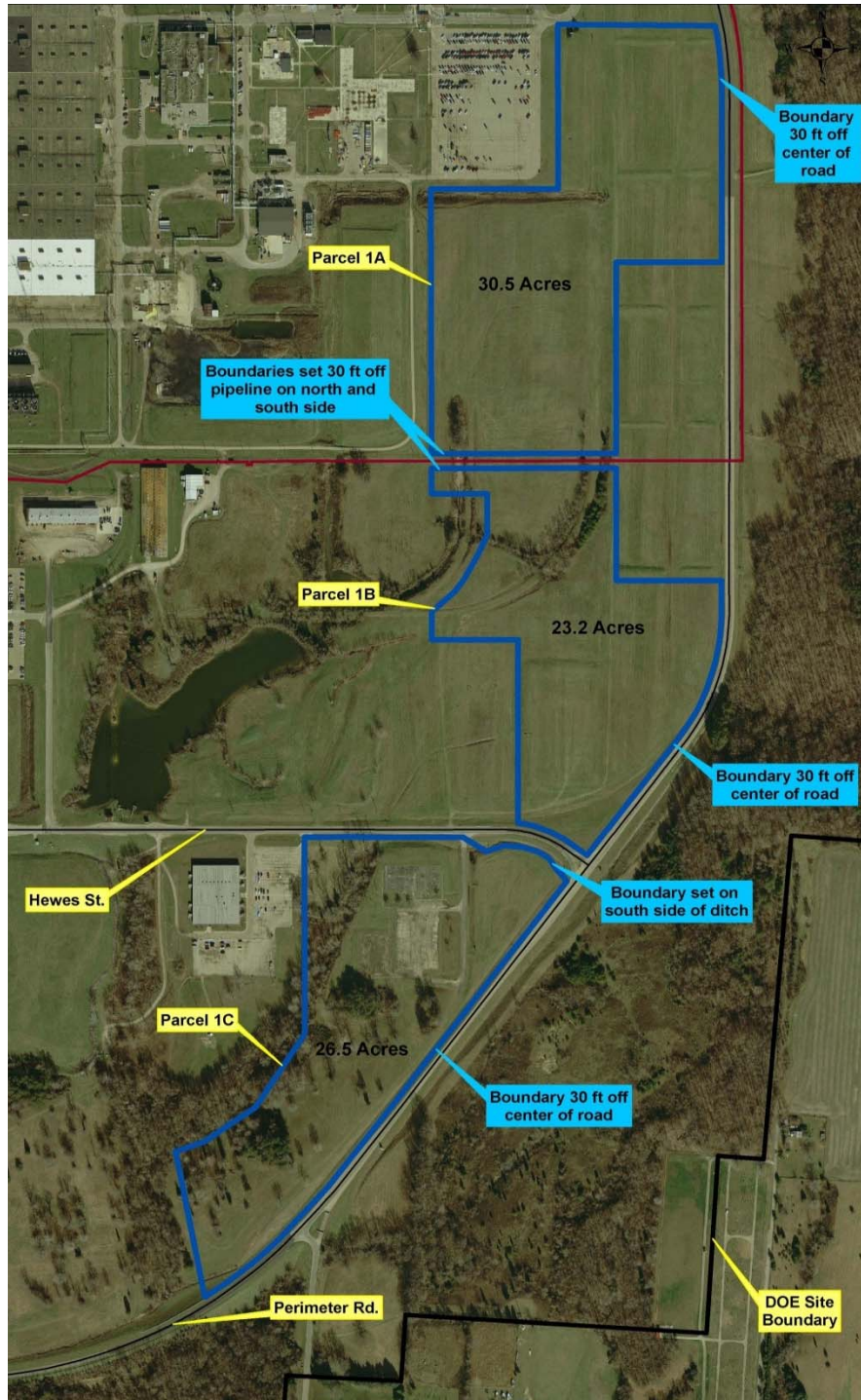


# OSWDF Update





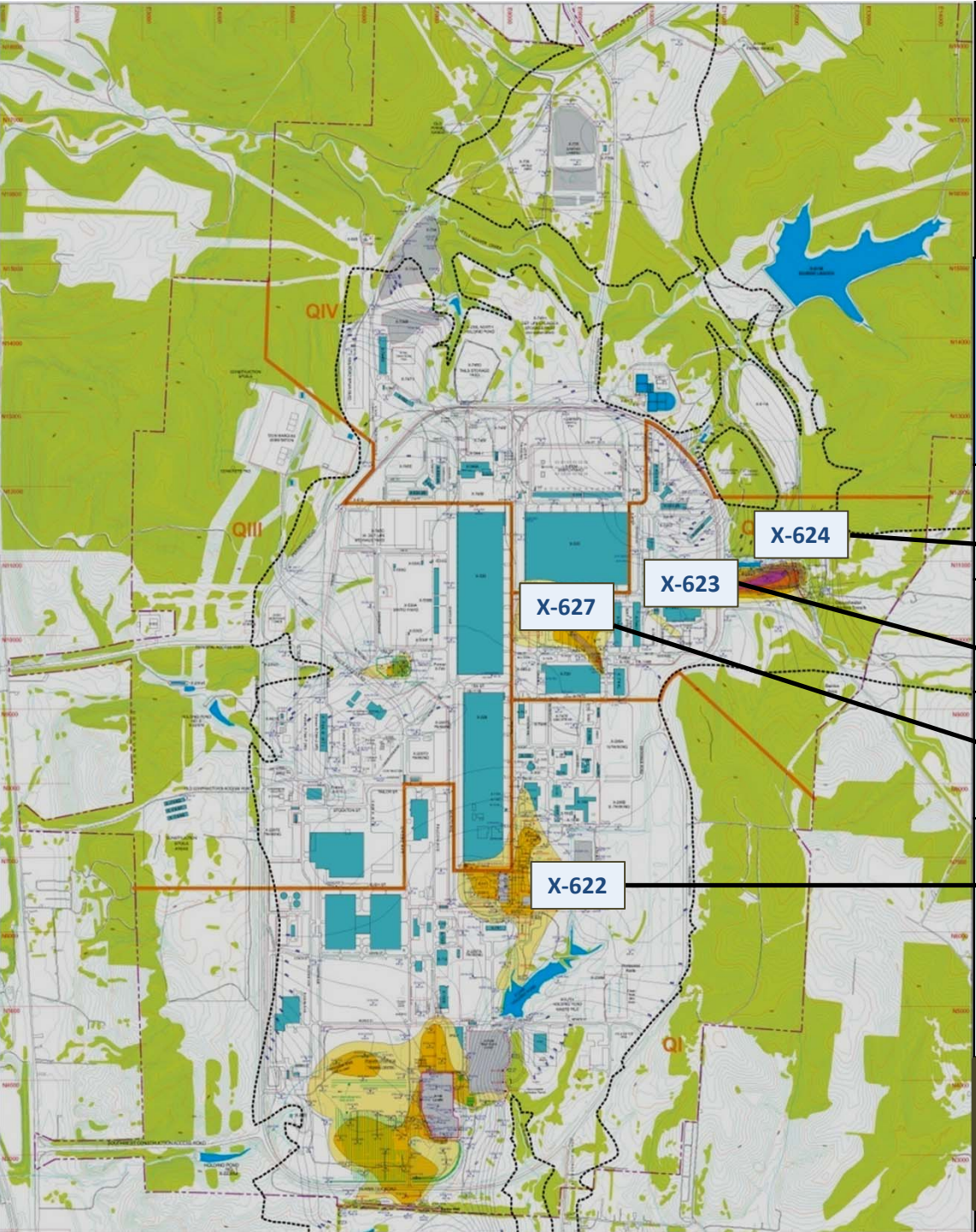
# Property Transfer



- Environmental Baseline Survey under review by State of Ohio
- EMCBC developing draft deed
- Property Transfer Environmental Assessment comment period extended to 60 days until April 19 at Village of Piketon's request
- EA evaluates potential environmental impacts of proposed property transfers



# Environmental Remediation



Groundwater Treated FY2017	Groundwater Source	TCE Removed FY2017 lbs.
1,101,600 Gallons	X-701B Plume	34.26
1,560 Gallons	Misc. Site	0
3,542,425 Gallons	7-Unit Plume	30.95
5,969,200 Gallons	5-Unit & X-749/ X-120 Plumes & PK Drainage	8.64

The totals from March 29, 2011 (FBP Contract) through January 2017 are:  
 Treated 218.0 Million Gallons of groundwater  
 Removed 1986.08 pounds of Trichloroethylene (TCE)



# Mutual Aid





# D&D Project Update



The Project Update was January 24 at Piketon High School.

About 150 people attended the update.





# Public Tours



## 2017 Public Tour Schedule

**Saturday, March 18, 2017**

**Saturday, April 15, 2017**

**Saturday, May 20, 2017**

**Saturday, June 17, 2017**

**Saturday, July 15, 2017**

**Saturday, August 19, 2017**

**Saturday, September 16, 2017**

**Saturday, October 21, 2017**

For questions, or to register for the tour, please contact Sandy Childers  
[sandy.childers@fbports.com](mailto:sandy.childers@fbports.com) or 740-897-2336.

Deadline to register for the March tour is Friday, March 5, 2017

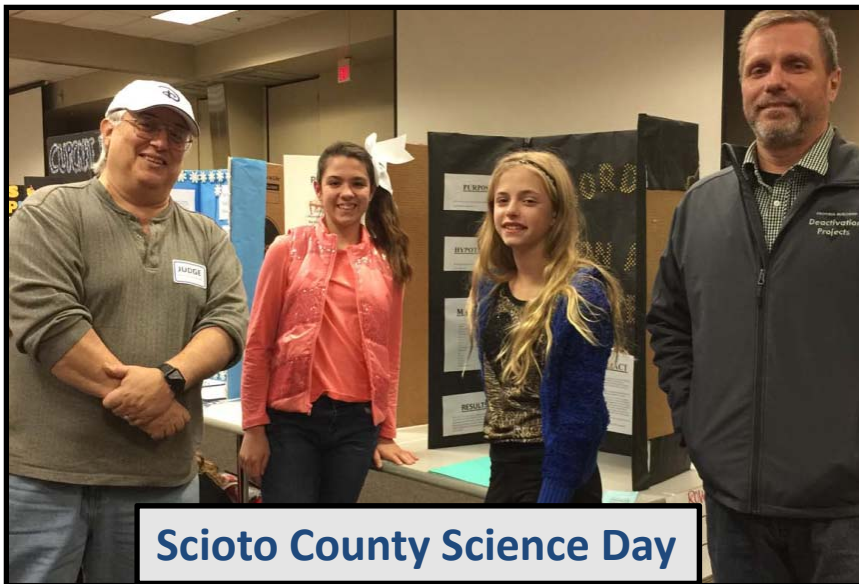
# Educational Outreach



**OU Students Shadow Experts at PORTS**



**Bishop Flaget Science Fair**



**Scioto County Science Day**



**Zane Trace Science Fair**



# Community Outreach



**Pike County Chamber Honors SODI**



**Pike County Children's Services**



# Community Outreach



**FBP and PMA's combined blood drive helps save up to 210 lives.**



**Adena Cancer Center**



**PMA providing First Aid/CPR training at local church.**



# Upcoming Site Events



Science Bowl V  
Friday, March 10, 2017



SSAB Full Board Meeting  
Thursday, May 4, 2017

*For a full list of SSAB activities, check out the website at  
<http://www.ports-ssab.energy.gov>*



Letter Billy Spencer read from The Village of Piketon in order to have it added to the March 2017 SSAB board minutes.

As it stands, the community support for a nuclear landfill is conditional and DOE hasn't met those conditions. The conditions of support for onsite disposal were explicitly stated by the community in the documentation submitted during the official public comment period and in official instruments passed by the local governments and recognized community groups. Documentation includes the PORTS SSAB Recommendations 13-02 and 15-05, public comments submitted by the Southern Ohio Diversification Initiative board members and legal counsel, and Resolutions passed by the Village of Piketon, Seal Township, Scioto Valley Local School District, and the Pike County Career Technology Center.

It seems that one could come to the conclusion based on what information is being provided by the contractor that the cleanup project cannot happen without a nuclear waste landfill onsite. We want to make it clear that we have full confidence in the Ohio Delegation to secure sufficient funding levels through appropriations to allow D&D activities to continue uninterrupted and in compliance with the Records of Decision for D&D of the facilities, without stockpiling waste onsite in anticipation of onsite disposal and without impacting current employment levels at the site, until the DOE enters into a binding agreement that satisfies the conditions for onsite disposal. The ROD for D&D allows waste to be shipped until onsite disposal is available, so we expect waste that is generated between now and then to be shipped to an approved offsite disposal facility as has already been done with legacy waste, waste generated by the current deactivation activities in the X-326, and waste generated by the demolition of other facilities.

A question to ask ourselves is this: Given that accelerating the D&D is no longer an option for us with the current funding level and date of completion expected to be sometime in the 2030 decade, is onsite disposal really the best option for our community? Wouldn't it make more sense for us to build an asset instead of a permanent liability? Wouldn't it make more sense for DOE to reduce its footprint at the site? An onsite disposal cell at this location increases DOE's footprint and increases DOE's long term liability, plus it will negatively impact the community since it is at the site boundary. This location is ideal for an intermodal facility that could be used to ship all the waste offsite and leave the community with an asset because it could be transferred to SODI after D&D – reducing the DOE footprint and eliminating permanent liability. An intermodal facility at this location was part of SODI's original Community Transition Plan and feasibility study was completed by ARC that said it was feasible. The trade's union labor is building the nuclear waste landfill, but they could build a shipping facility instead. Wouldn't you rather build something that will attract development to our community and provide job opportunities for a long time? The disposal cell is a dead project after 2030, provides no long term jobs, and is a permanent liability and deterrent to future development. This is something that this board and this community needs to think about long and hard.