



PORTSMOUTH EM SITE SPECIFIC ADVISORY BOARD

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

Proposed Agenda for the November 5, 2015 Board Meeting

Chair

William E. Henderson II

Vice Chair

Robert Berry

Board Members

Lisa Bennett

Maddeline C. Caudill

Carlton L. Cave

Al Don Cisco

Martha A. Cosby

Ervin S. Craft

John T. Evans

Adrian C. Harrison

Carl R. Hartley

Brian F. Huber

Ronda J. Kinnamon

Ryan H. Knight

Neil Leist

Bernard S. Neal

Irma C. Payne

Cristy D. Renner

Judy R. Vollrath

6 p.m.

Call to Order, Introductions

Review of Agenda

Approval of September Minutes

DDFO Comments

--15 minutes

Federal Coordinator Comments

--10 minutes

Liaison Comments

-- 5 minutes

Presentation-Path Forward-Greg Simonton

--20 minutes

Administrative Issues

--20 minutes

Subcommittee Updates

--5 minutes

Public Comments

--15 minutes

Final Comments from the Board

--15 minutes

Adjourn

Deputy Designated

Federal Official

Joel Bradburne

DOE Federal Coordinator

Greg Simonton

Support Services

EHI Consultants, Inc.

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Piketon, OH 45661

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PORTSMOUTH EM SITE SPECIFIC ADVISORY BOARD

MINUTES OF THE THURSDAY, NOVEMBER 5, 2015, 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 Will Henderson, Bob Berry, Carol Caudill, Carlton Cave, Martha Cosby, Ervin Craft, Carl Hartley, Ronda Kinnamon, Charlene Payne, Cristy Renner, Judy Vollrath

SSAB Members Absent: Al Don Cisco, Tom Evans, Neal Leist, Bernie Neal

U.S. Department of Energy (DOE) and Contractors: Greg Simonton, Johnny Reising, DOE; Rick Greene, Restoration Services, Inc. (RSI); Julie Galloway, Cindy Lewis, EHI Consultants (EHI); Jeff Wagner, Deneen Revel, Eric Woods, JD Chiou, Fluor-B&W Portsmouth (FBP)

Liaisons: Jim Sferra, Ohio Environmental Protection Agency (EPA), Mike Rubadue, Ohio Department of Health (ODH)

Facilitator: Eric Roberts, EHI

Public: Diana Cattall, Dan Minter, Lee Blackburn, Pat Marida

Approved by Will Henderson, Board Chair

Will Henderson

Call to Order:

Henderson: 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.

November Agenda:

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

- **Cosby:** I make a motion to approve the November agenda
- **Caudill:** I second the motion
 - **Motion carried, agenda approved**

September Minutes:

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

Henderson: On page 10, Eric I do not remember your remarks being that.

Roberts: I do not remember, we can check the recording and change it if needed.

- **Cosby:** I make a motion to approve the September minutes, after checking on the wording on page 10.
- **Craft:** I second the motion
 - **Motion carried, minutes approved**

DDFO comments provided by Greg Simonton, Federal Project Coordinator:

- **Plant Updates**
 - **D&D Safety Update**
 - **PORTS Integrated Baseline**
 - **X-326 Deactivation**
 - **X-114A (Firing Range) D&D**
 - **On-Site Waste Disposal Facility**
 - **X-326 Process Gas Equipment**
 - **Waste Shipment Lot 14**
 - **SODI Transfers FY15**
 - **Land Transfer/Re-Industrialization**
 - **Environmental Remediation**
 - **BWCS DUF6 Project October 2015 Update**
 - **Science Alliance**
- **Community Outreach-UW Campaign**
- **PORTS Site Tours**
- **Upcoming Site Events**

Question/Comment:	Answer:
<p>Henderson: The nickel segmentation shop is on here that makes me feel a little better.</p> <p>If the soil at the firing range meets the standard for lead, then it can be used as fill. When you talk about the standard, I assume you are talking about Waste Acceptance Criteria (WAC). If it meets the standard, it can be used as fill?</p> <p>What will happen to the timber from clearing the trees on the On-site Disposal Cell (OSDC) site?</p>	<p>Simonton: No, I am talking about lead levels.</p> <p>Chiou: We are screening and testing the soil to see if it needs treated. If it does not pass the test, it will be considered hazardous waste and be shipped off-site.</p> <p>Reising: It will be used to make paper, mulch, to offset some of the cost to the contractor.</p>
<p>Roberts: We changed some of the graphics and charts in the presentation. Can we get some feedback to see if it was helpful?</p>	<p>Craft: I liked it. It makes it easier to understand.</p> <p>Caudill: I agree with Stan, I think it made it a lot easier to understand.</p>

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

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

Simonton: None at this time.

Liaison comments provided by Mike Rubadue:

Rubadue: No comment at this time.

Liaison comments provided by Jim Sferra:

Sferra: No comments at this time.

Presentation-Path Forward-Greg Simonton, DOE:

- **Overview**
- **Defining Piketon’s Future Vision**
- **Historic Partnership**
- **Finding Commonality**
- **The Big Picture**
- **Looking Forward**
 - **Where are we Now?**

- **What Are We Doing**
- **Property Transfer Photos**
- **Next Steps**
- **Challenges**
- **Wrap Up**

Question/Comment:	Answer:
Henderson: On the last page, third bullet, says that DOE will be getting a priority list from the SSAB. We wrote a recommendation asking to be included in this process. However, we have not received a response and it has been six months. Do you know when we will get a response on that?	Simonton: I have three responses going through the process now. Headquarters wants you to be included in the prioritizing. We are working now on the FY17 budget.
Cosby: This presentation helped refresh my memory. It is nice to have information repeated.	

Administrative Issues:

Question/Comment:	Answer:
Henderson: I submitted an e-mail about a request to see if the members that are at term, could be extended past the six years. More than ½ of the members have only been on the board for two years or less. I think it would be difficult for the board to continue without the experience the older members have to offer. Do you think it would have value to send as a formal recommendation?	Roberts: We have to make a case for that. Just so everyone knows, Greg and Joel cannot make that change. It has to be made from Headquarters. I do not know if it would help but it would not hurt.
Cave: I would like to know who those members are.	Roberts: Will, Stan, Martha, Cristy, Brian
Kinnamon: I want to have the knowledge of these members to stay for a minimal of the next four years. I would be in favor of them staying.	
Payne: I think the recommendation is a good one, but before it goes to the board, I think out of courtesy we need ask if they would be willing to serve an extra year.	
Roberts: Would you be willing to stay?	Henderson: Yes, I would be willing to serve another year but would prefer not

<p>Finding people willing to serve as a volunteer in a small community is hard to find because your leaders are involved in so many other organizations.</p>	<p>to serve in a leadership role, more of a support role.</p> <p>Renner: I took a year off and came back, but if you feel you would like me to serve another year, I am here for you.</p> <p>Cosby: No, I have been counting down the months for two years. I do not like missing and I am just involved in to many things. I am just so overwhelmed right now. I feel like I am taking a seat from someone else who could do more. I have enjoyed it and learned a lot, but I just do not feel like I have given it 100%.</p> <p>Craft: I care about the board a lot and I have no problem serving longer, but not in a leadership role.</p>
<p>Berry: Could we have four or five non-voting members to step in when someone gets term out?</p>	<p>Cosby: They can come as public and sit back here and listen.</p> <p>Roberts: If you want to be involved after your term, you can be on a committee just not a voting member. We cannot pass a recommendation tonight. We have to send a recommendation out seven days before voting. What if you give Will permission to draft a letter from the board and send it out to the board before it is submitted. Anyone else have any comments on this?</p>

Berry: They have about six months left, so I would ask for a vote to write a recommendation to DOE to allow the board members to stay on the board for another year. **Cave:** I will second.

Henderson: Just change Bob’s request for a recommendation to a letter asking if members can have the option to stay longer.
Kinnamon: I second that.

Roberts: Any members of the public like to comment on this. Seeing none. All in favor of giving Will permission to draft a letter regarding the board members allowed staying on for a while longer.

Nomination carried (11 approved, 0 opposed, 0 abstained, 0 recused)

Subcommittee Updates:

Budget and Lifecycle Planning Subcommittee Update by Stan Craft:

Craft: The Budget and Lifecycle Planning Subcommittee met on September 22. The purpose of the meeting was to elect chair and vice chair and to give a FY2016 budget update. The subcommittee met again on October 13. The purpose of the meeting was to give a continuing resolution update and a barter overview.

D&D/Remediation Subcommittee Update by Martha Cosby:

Cosby: The D&D/Remediation Subcommittee met on September 22. The purpose of the meeting was to elect chair and vice chair and to discuss On-site Waste Disposal Facility (OSWSF) quality assurance measures. The subcommittee met again on October 13. The purpose of the meeting was to give a regulatory overview update.

Future Use Subcommittee Update by Carlton Cave:

Cave: The Site Optimization and Future Land Use Subcommittee met on September 22. The purpose of the meeting was to elect chair and vice chair and see a presentation on cleanup levels. The subcommittee met again on October 13. The purpose of the meeting was to take the subcommittee on an OSWDF outreach driving tour.

Historic Legacy & Community Engagement Subcommittee Update by Cristy Renner:

Renner: The Historic Legacy & Community Engagement Subcommittee met on September 22. The purpose of the meeting was to elect chair and vice chair and see a presentation on Science Alliance. The subcommittee met again on October 13. The purpose of the meeting was to give a follow-up on the Science Alliance.

Executive Subcommittee Update by Will Henderson:

Henderson: The Executive Subcommittee met on September 24. The purpose of the meeting was to have a workforce restructuring update. The subcommittee met again on October 29. The purpose of the meeting was to have a board meeting agenda review and talk about board involvement in the OU student ASER project at Waverly High School.

Public Comment:

Marida: I want to talk about moving things unnecessarily and why is DUF6 is coming from Paducah when we already have a lot here, enough to last 25 years. Why move them prematurely? There is Federal legislation that they are thinking of moving high-level waste to Yucca Mountain and force that site to accept it even though it is very wet underground. Believe it or not, the water level is very high in the desert. Part of it would be moved on rail, so a major route would be right through Portsmouth. The DOE has calculated that there would be about six major accidents of high-level waste if it were to be shipped road or rail. We do not want this coming through our area if there is not a good reason. It is not being stored in the safest

way. Instead of moving across the county, move to the safest containers close to where it is already.

Blackburn: I am glad to see that you voted to keep the termed out members on the board. My comment is on a slide in the DDFO presentation, which showed 15 different projects which several of recycled pictures of items turned over to SODI. The moratorium has not been lifted. So I am a little confused on how recycling is taking place.

Roberts: Greg can we clarify a couple of points from the public comments, normally we do not respond. The uranium transferred from Paducah to Portsmouth is not DUF6 material correct?

Chiou: The DUF6 they have is for their own conversion there. The cylinders we are getting from Paducah, about four a week, is to join our inventory to get funding for the site through the barter program.

Roberts: PORTS has a market to make it useable they made a decision to haul the cylinders here to put in a safe container to be sold. The metals you are recycling is not part of the moratorium.

Simonton: The metals came from an area that is not a RAD area. If it were in a RAD area, it would be in the moratorium. These shells came from the firing range, which is on-site, but not in a RAD area.

Blackburn: I would suggest you check that.

Simonton: It is not radioactive either. We have a sampling program that we go through.

Final Comments from the board:

None

Next Meeting: January 7, 2016

Action Items:

1. EHI to check on recording for Roberts comment on page 10 of the board minutes.
2. Henderson to write a draft letter regarding retiring members and send to EHI to forward to the full board.
3. EHI to email FB PORTS web address to the full board.
(www.fbportsmouth.com)

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
November 5, 2015**



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

D&D Safety Update



Reached **1 Million SAFE WORK HOURS!!** (10/29/15)

As of 11/03/15:
92 days without a lost time incident.

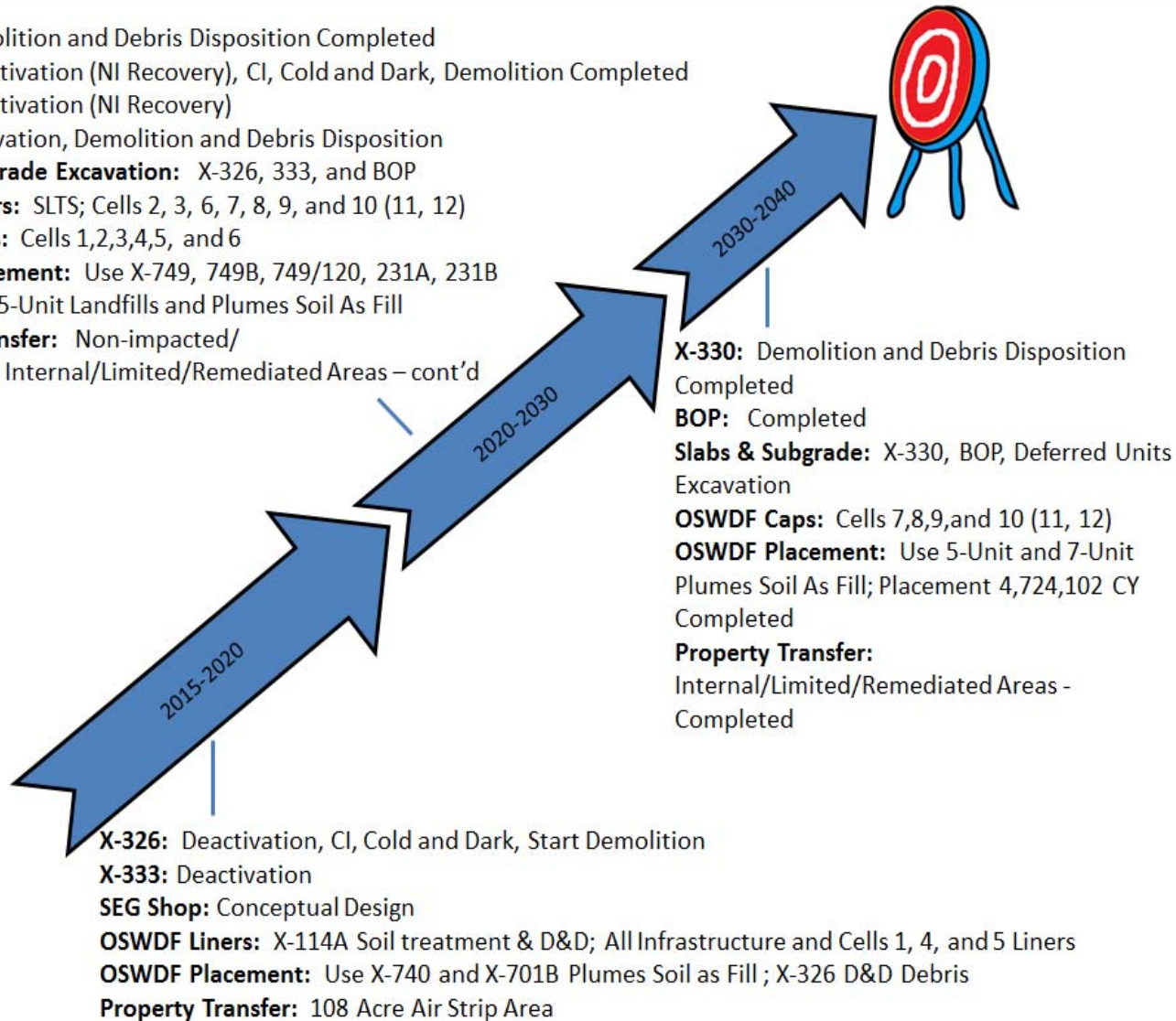
18 recordable injuries in CY 2015.

0 recordable injuries in FY 2016.

YOU are the **KEY** to **SAFETY!**

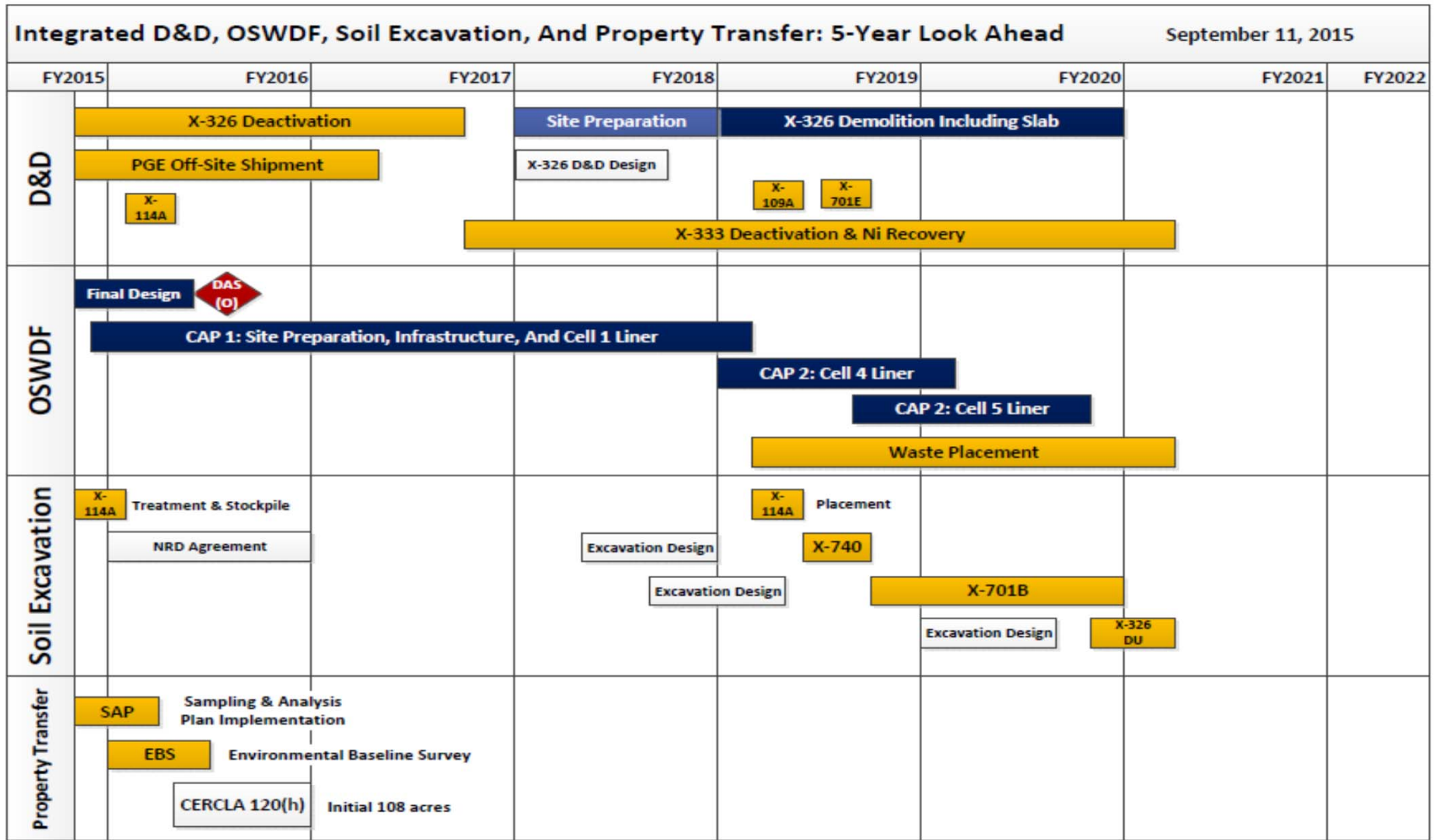
PORTS Integrated Baseline

X-326: Demolition and Debris Disposition Completed
X-333: Deactivation (NI Recovery), CI, Cold and Dark, Demolition Completed
X-330: Deactivation (NI Recovery)
BOP: Deactivation, Demolition and Debris Disposition
Slabs & Subgrade Excavation: X-326, 333, and BOP
OSWDF Liners: SLTS; Cells 2, 3, 6, 7, 8, 9, and 10 (11, 12)
OSWDF Caps: Cells 1,2,3,4,5, and 6
OSWDF Placement: Use X-749, 749B, 749/120, 231A, 231B X-749A, and 5-Unit Landfills and Plumes Soil As Fill
Property Transfer: Non-impacted/
 Buffer Areas, Internal/Limited/Remediated Areas – cont'd





PORTS Integrated Baseline





X-326 Deactivation



X-326 Deactivation



CI (Criticality Incredible) -
deactivated to a point
that a criticality event is
incredible (very unlikely, 1 in 1 million).

Cold & Dark –
Utilities shut off, isolated
and facility ready for demolition.



X-114A (Firing Range) D&D



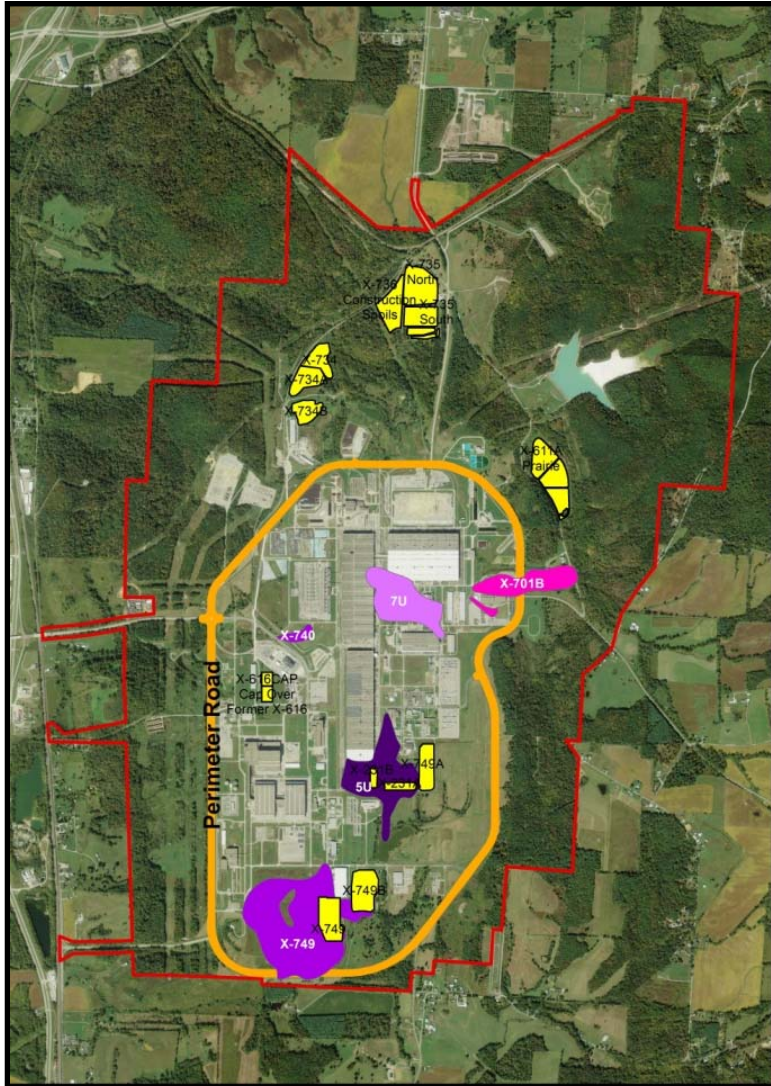
Before



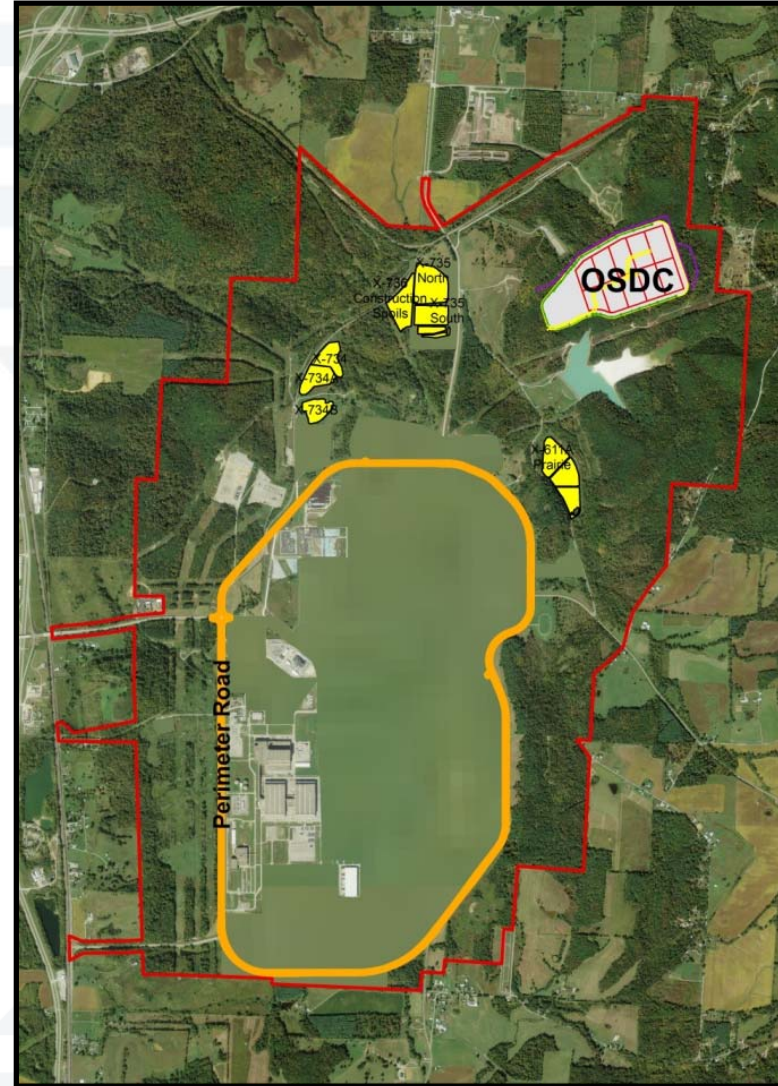
After

On-Site Waste Disposal Facility

Today



Post Remediation



X-326 Process Gas Equipment

PGE totals from 2013 to present = 45,603.24 yd³

This would fill 1/3 of the Convocation Center.



End state totals are estimated at 2.2 M CY which includes all D&D debris (~1.4 M CY) and deferred units soil (~0.8 M CY).

This would equal 16 Convocation Centers

Waste Shipment Lot 14



SODI Transfers FY15



X720 Shelving



X533 Crane (60 Ton P&H)



X108A Equipment



X114A Outdoor Firing Range



X114A Baffling System



X114A Spent Brass Shells



X114A Roll-up Doors

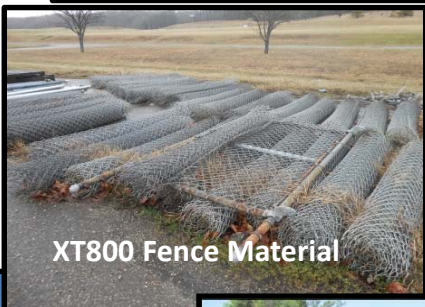


X114A Sheet Metal

389,795 Total LBS



X326 Conveyor Equipment



XT800 Fence Material



XT800 Rail Material



X750 Garage Material



X743 Vehicles (24)



X735 Vehicle



X752 Drum Lids



X720 Overhead Doors



Land Transfer/ Re-Industrialization

The Sampling and Analysis Plan (SAP) was approved by DOE on 10/1

Authorization to mobilize was given 10/15

Field work started in late October

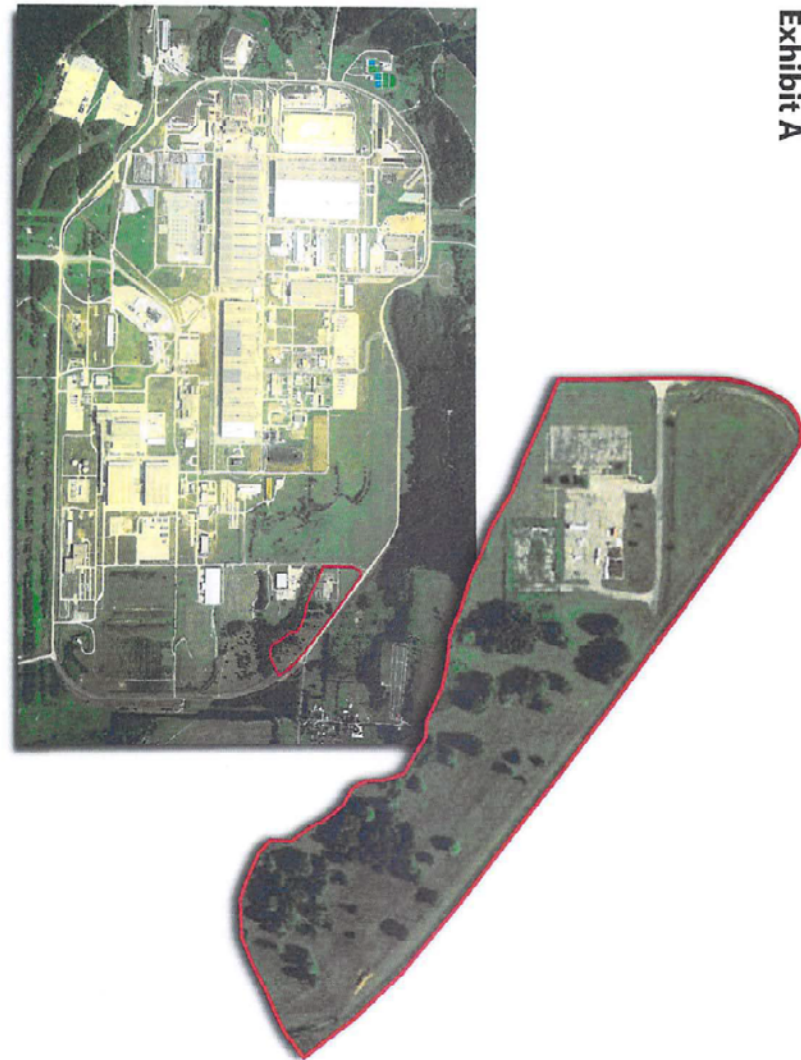
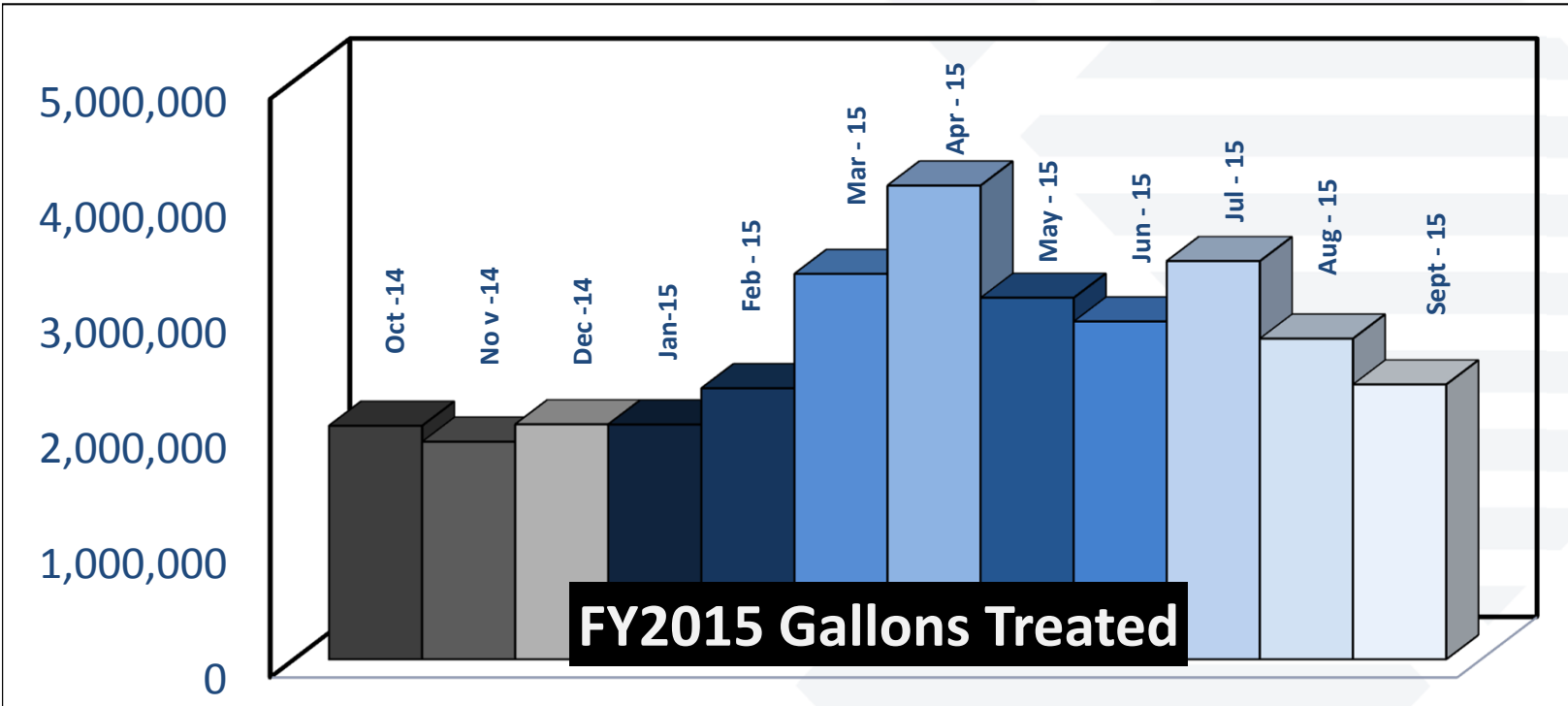
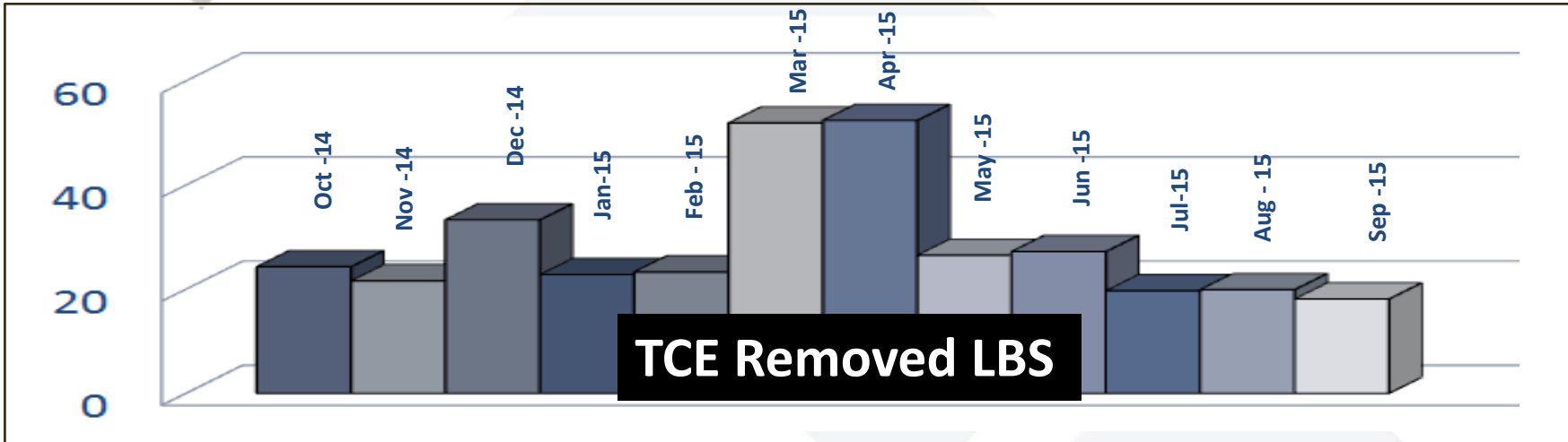


Exhibit A

Environmental Remediation



BWCS DUF₆ Project October 2015 Update

•Current PORTS DUF6 Status:

- First conversion line safely resumed operations
- Anticipate resuming second line in November

Plant availability:

PORTS

FY12	26%
FY13	58%
FY14	80%
FY15	25%



DUF₆ Project Planned Improvements

Equipment replacement or process improvements to increase output

- Replacement Hydrogen Generation Technology
- Improve Autoclave and Conversion Unit Heating Control
- Streamline Cylinder Modification process and Cylinder Movement
- Optimize Oxide transfer process
- Reduce oxide flow restrictions (e.g., valve, blower and piping changes)



Science Alliance



- 26 Schools
- 1,321 students/teachers attended
- 109 Volunteers
- 17 Presenters

Community Outreach – UW Campaign



Pie in the Face



Cookouts



Dinner and Talent Show

\$121,342



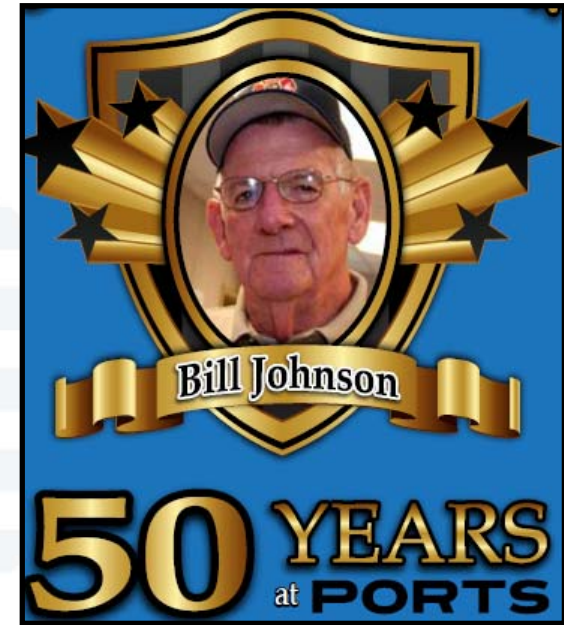
5K Run



2nd Annual Carr Classic



Community Outreach



Pink Out Day



WEMS /Pike Co. Fair



Feds Feeds Families



PORTS Site Tours

2015:
18 tours through October
17, 2015 with total of 328
attendees.



Upcoming Site Events



SSAB Full Board Meeting
Thursday, January 7, 2016



SSAB Full Board Meeting
Thursday, March 3, 2016



Science Bowl IV
Friday, March 11, 2016

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

BRIDGING DOE/COMMUNITY INTERESTS

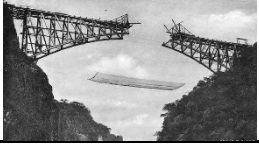


Presented by GREG SIMONTON

Federal Project Coordinator

U.S. Department of Energy

Portsmouth/Paducah Project Office



OVERVIEW

- A look back at where we've been.
- Where are we now?
- What are we doing?
- Next Steps
- Challenges
- Wrap Up

DEFINING PIKETON'S FUTURE VISION

APRIL 2012

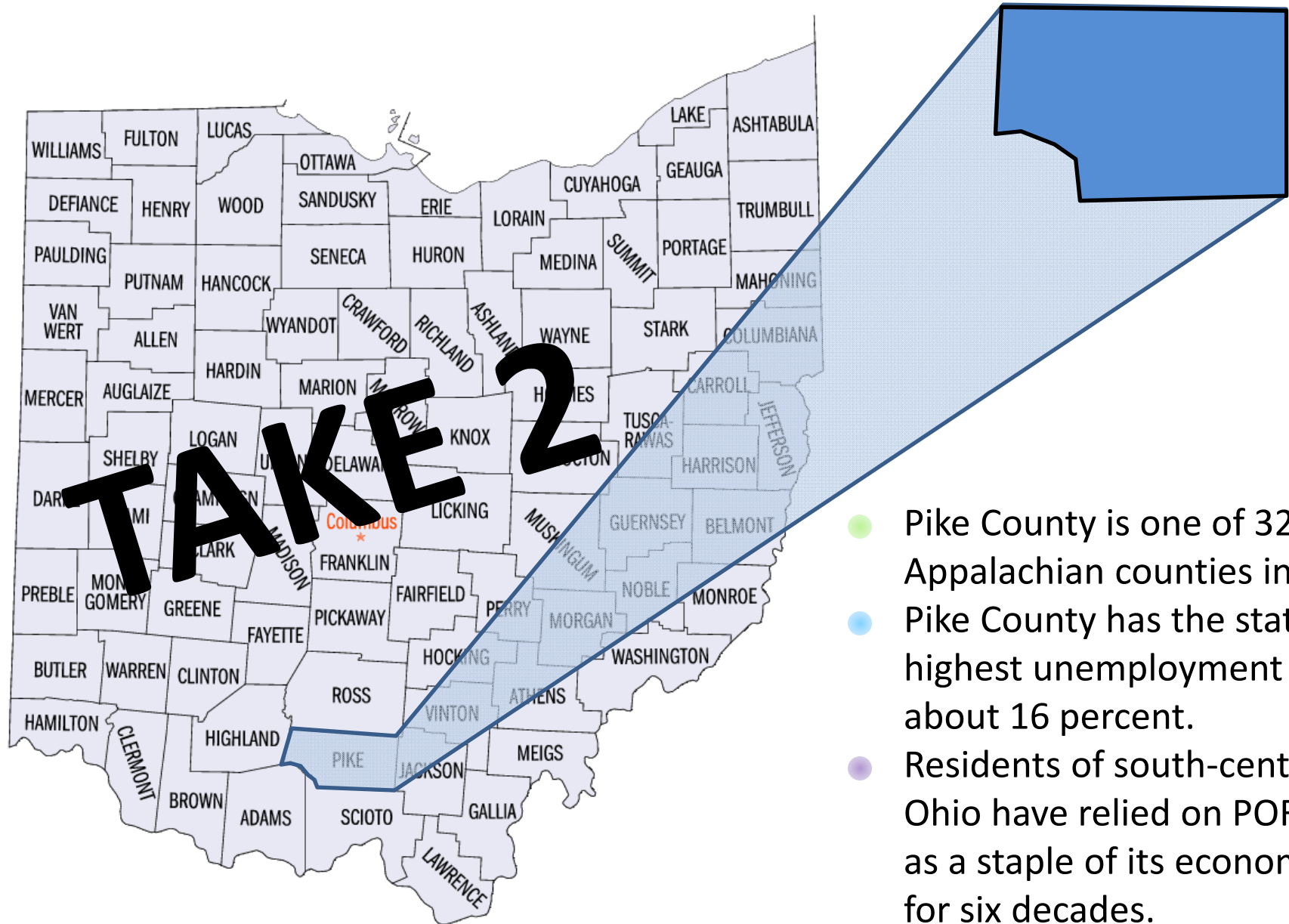
TAKE 2

Presented by GREG SIMONTON
Federal Project Coordinator
U.S. Department of Energy
Portsmouth/Paducah Project Office





HISTORIC PARTNERSHIP



- Pike County is one of 32 Appalachian counties in Ohio.
- Pike County has the state's highest unemployment rate, about 16 percent.
- Residents of south-central Ohio have relied on PORTS as a staple of its economy for six decades.



HISTORIC PARTNERSHIP

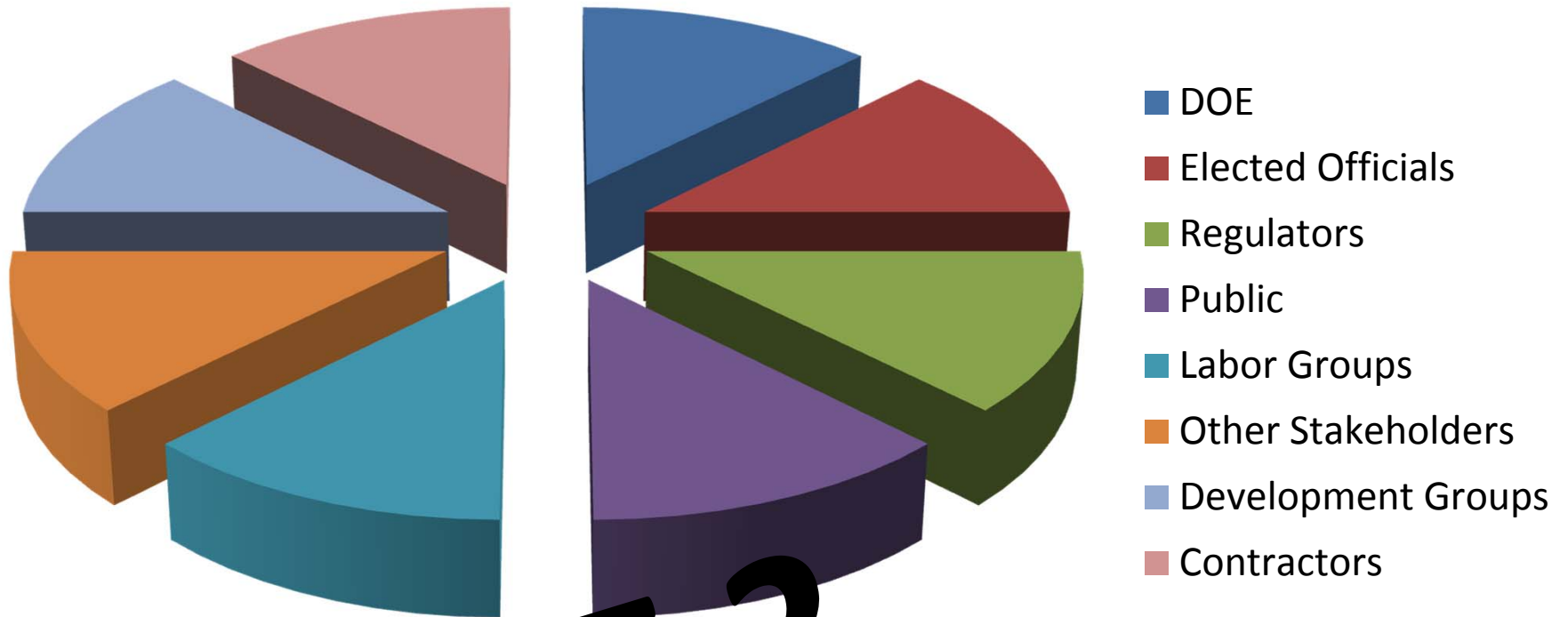


TAKE 2

- Locals are concerned that not having a future plan in place as D&D progresses will be devastating to the region.
- Locals understand each D&D-related decision positively or negatively impacts reuse potential.



FINDING COMMONALITY



TAKE 2



FINDING COMMONALITY

DOE

Haul Roads

Truck-to-Rail Transloading Facility

D&D Legal Requirements & Long-term Site Needs

Asset Recovery

COMMUNITY

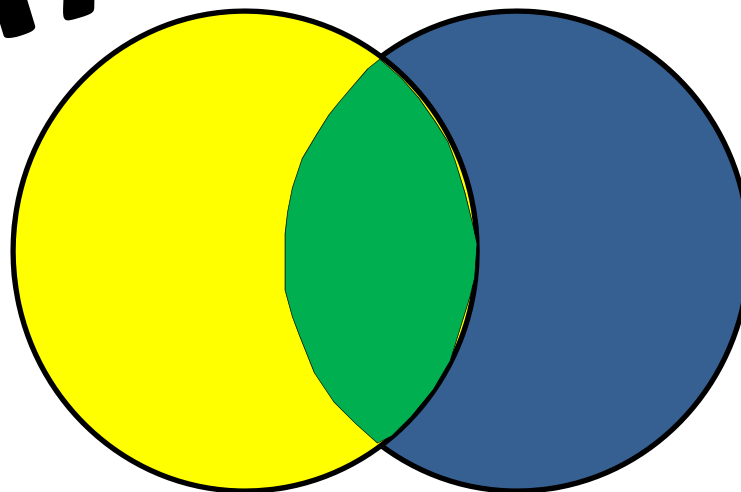
Access Road

Intermodal Rail Terminal

New Regional WWTP

Recycling/Smelter

TAKE 2





THE BIG PICTURE

ALL BUILDING BLOCKS LEAD TO FUTURE VISION

- With the premise that establishing a future vision is critical, a few factors must be considered:
 - Future vision suggests a **strategy**, not a specific development project.
 - Although not responsible for redevelopment, DOE EM seeks to align our work with your vision to realize tangible reuse.
 - How does the public get from the status quo to tangible redevelopment?

TAKE 2



FUTURE
VISION



CLEANUP LEVEL
RECOMMENDATION



RECYCLING



INFRASTRUCTURE
COMMITMENTS



PROCESS BUILDING
D&D RECOMMENDATION

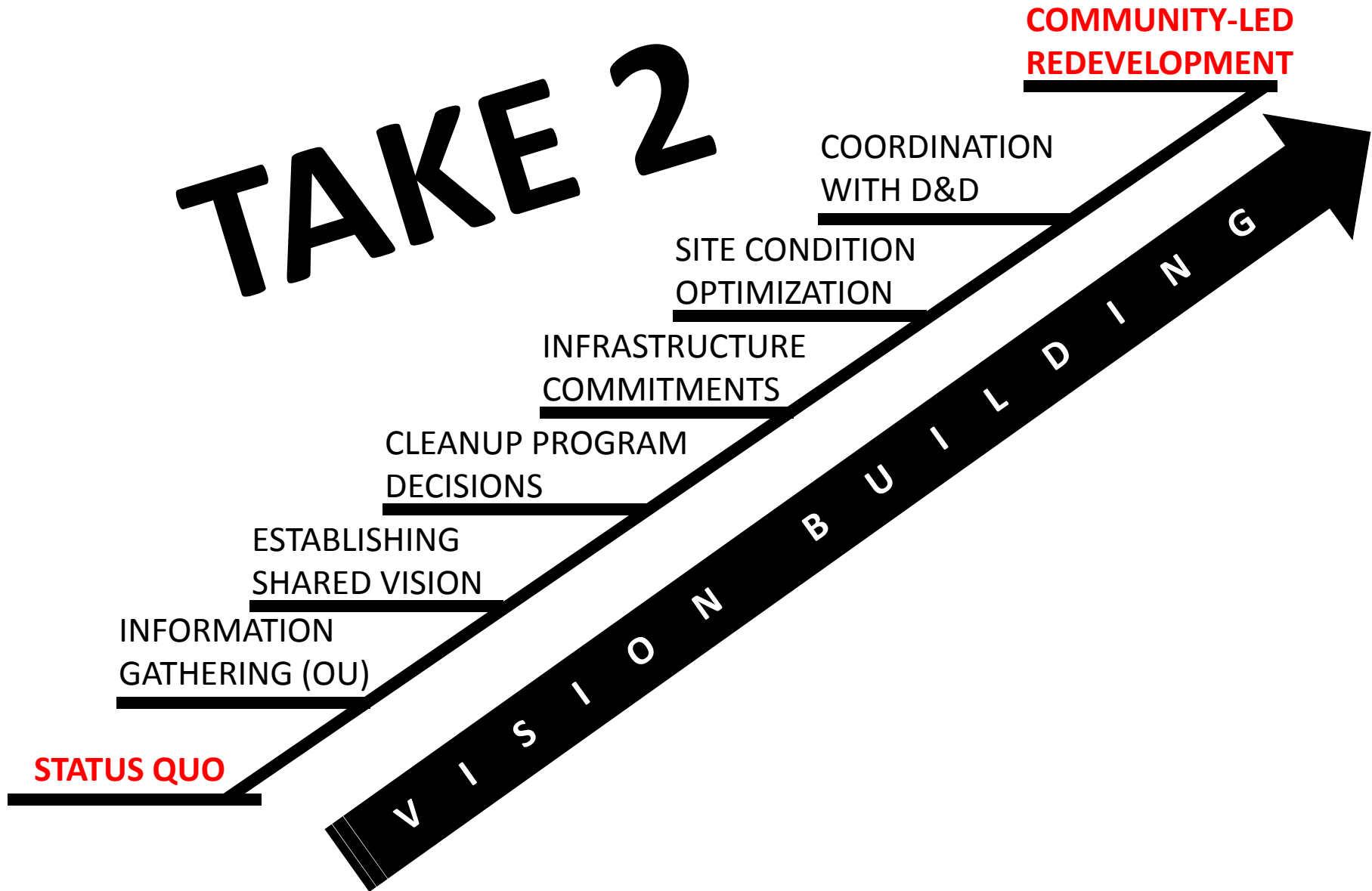


WASTE DISPOSAL
RECOMMENDATION



THE BIG PICTURE

TAKE 2





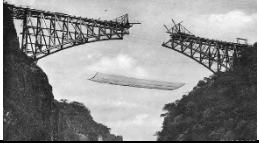
THE BIG PICTURE

WHAT WE HAVE HEARD

- Community wants to give itself the best chance at future success.
- Securing good-paying jobs when D&D is completed is the defining characteristic of success.
- All decisions should minimize any adverse impacts on redevelopment potential.
- Community desires large-scale industrial park.



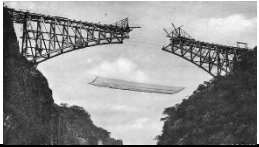
TAKE 2



LOOKING FORWARD

WHERE ARE WE NOW?

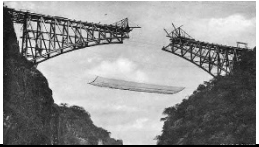
- Community established Future Vision Plan and SSAB issued Recommendation 13-02.
- DOE continues to work with Ohio EPA to achieve community's desired end state.
- Regulatory framework progressing amid a complex mixture of CERCLA and RCRA drivers.
- SODI continues its work to develop Community Development Plan.
- SODI continues to identify infrastructure needs that will support development plan.
- DOE Lifecycle Baseline includes all tenets of SSAB Recommendation 13-02 (i.e., landfill and plume consolidation and nickel segmentation). **Note:** DUF₆ material not considered and not authorized in regulatory decisions.
- DOE has committed to aggressive property transfer schedule based on SODI request.



LOOKING FORWARD

WHAT ARE WE DOING?

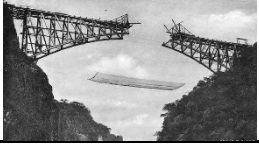
- DOE has had instrumental role in jumpstarting local development initiatives.
 - More than 15 offer packages to SODI for asset transition in FY 2015.
 - Supported development initiatives on west side and north side of DOE reservation.
 - Aggressive approach toward real property transfer.
 - Contract modification with FBP for property transfer work scope.
 - Sampling and Analysis Plan completed, sampling work under way.
 - Communication with SODI on its request for land.
 - First step in developing portfolio of available property at PORTS.
 - Represents 3% of total site acreage.



LOOKING FORWARD

PROPERTY TRANSFER PHOTOS

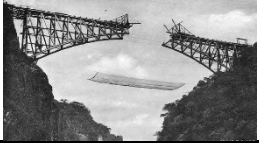




LOOKING FORWARD

NEXT STEPS

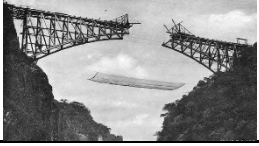
- DOE/Community need to continue dialogue on budget priorities.
- DOE/Community need to examine sequence of property transfer.
- Property transfer activities beyond FBP base period need prioritization.
- DOE/Community determine future infrastructure needs.
- DOE/Community need to communicate on D&D-related decisions that impact future use.



LOOKING FORWARD

CHALLENGES

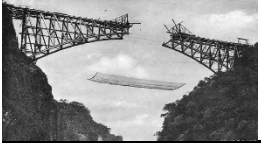
- Concerns regarding DOE's commitments to community conditions for remedies.
- Project must stay within DOE Office of Environmental Management mission.
- Funding climate makes project execution and development efforts uncertain.



LOOKING FORWARD

WRAP UP

- Ohio EPA will present to SSAB on Tuesday regarding regulatory framework.
- DOE regulatory commitments are one piece of a bigger puzzle.
- DOE will be seeking community priorities from SSAB as part of budget formulation.
- DOE/Community close to bridging gap.



QUESTIONS

