



Portsmouth EM Site Specific
Advisory Board

SITE OPTIMIZATION AND FUTURE USE SUBCOMMITTEE

TUESDAY, OCTOBER 9, 2012 @ 6:30 P.M.

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DOE FEDERAL COORDINATOR

GREG SIMONTON

AGENDA

- PRESENTATION – REGULATORY COMPLEXITIES-MARC JEWETT, FBP
- DISCUSSION

ADJOURN

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SITE OPTIMIZATION AND FUTURE LAND USE SUBCOMMITTEE

MEETING SUMMARY

OCTOBER 9, 2012 • 6:30 P.M.

THE OHIO STATE UNIVERSITY ENDEAVOR CENTER
1862 SHYVILLE ROAD, PIKETON, OH 45661

Subcommittee Members Present: Brian Huber, subcommittee chair; Brandon Wooldridge, subcommittee vice chair; Ervin Craft, Sharon Manson, Michael Payton

SSAB Subcommittee Members Absent: Frank Halstead, Dan Minter, Kathy Zimmerman-Woodburn

Other SSAB Members Present: Will Henderson, Board Chair

U.S. Department of Energy (DOE) and contractors: Joel Bradburne, Greg Simonton, DOE; Rick Greene, Restoration Services, Inc. (RSI); Dennis Carr, J.D. Chiou, Karen Price, Marc Jewett, Fluor-B&W Portsmouth (FBP)

Liaisons: Maria Galanti, Melody Stewart, Ohio Environmental Protection Agency (EPA)

Support Staff: Eric Roberts, Julie Galloway, Cindy Lewis, EHI Consultants (EHI)

Public: Ryan Knight

Huber opened the meeting:

1. Presentation–Regulatory Complexities – Marc Jewett:

Question/Comment:	Answer:
Price: We thought we would mix things up a little bit by playing the game that the students played at the Science Alliance “Cleanup Time Warp.” We need two teams, how about a green and a blue team.	
Price: Blue team – This plant operated from 1954-2001 for what purpose?	Answer: Enrich Uranium
Price: Green team – How many separate near term regulatory decisions must be made to complete the site wide remediation picture for PORTS?	Answer: Six

Price: Blue Team – Who makes sure that cleanup complies with environmental laws?	Answer: Ohio and U.S. EPAs and Ohio Department of Health
Price: Green team – At the plant, what does “D&D” stand for?	Answer: Decontamination & Decommissioning
Price: Blue team – Only radioactive material can cause contamination?	Answer: False
Price: Green team - What is the major groundwater contaminant here at the plant?	Answer: Trichlorethene
Price: Blue team - Five grams of trichloroethene is enough to make how many liters of water unfit for drinking?	Answer: One million liters
Price: Green team – The number 297 corresponds to which of the following?	Answer: Number of applicable, relevant, and appropriate requirements (ARRAs) in the Waste Disposition (WD) Remedial Investigation Feasibility Study (RIFS)
Price: Blue team – Which of the following are key ARRAs requiring approvals by Ohio EPA?	Answer: O2G and CAMU
Price: Green team – The waste disposition decision is finalized after:	Answer: Ohio EPA concurs with the RIFS, DOE writes responses to public comments, a Record of Decision is signed
Price: Blue team – Which statement about legal agreements with Ohio EPA is not true?	Answer: Soil remediation is performed under Resource Conservation and Recovery Act (RCRA) rules, not Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). Building demolition is conducted under CERCLA rules. Special permission from Ohio EPA is required to put PORTS soil into the CERCLA regulated on site deposal cell (OSDC)
Price: Green team – The waste disposition Record of Decision (ROD) will give approval to:	Answer: None of the choices
Price: Blue team – Which of the following is not managed during the cleanup here?	Answer: Dinitrophenylhydrazine
Price: Green team – The groundwater is not contaminated by DOE outside the property boundary of the plant?	Answer: True
Price: Blue team – Which of the following is not a characteristic of soil in Ohio:	Answer: It contains much volcanic material
Price: Green team – Which document would provide authority to excavate plumes?	Answer: Groundwater decision document
Price: Blue team - DOE must prepare a separate Engineering Evaluation/Cost Analysis to excavate any existing closed	Answer: True

landfills.	
Price: Green team – Which of the following could not be a safe option for managing contaminated soil?	Answer: Mixing the soil with super glue so the contaminants cannot migrate

2. Discussion:

Question/Comment:	Answer:
Henderson: What are you expecting your committee to accomplish over the next year?	<p>Huber: I would like to try to get some kind of final land use. One of the other things I thought we might do, is work on the final plans for the land outside of perimeter road, like green space and some of the habitats. I would like to have the map of the habitats in order to work on this.</p> <p>Greene: There is a draft map going to DOE by from Ohio University by the end of the December. The final map is scheduled to be out in January or February.</p>

Huber: Meeting adjourned

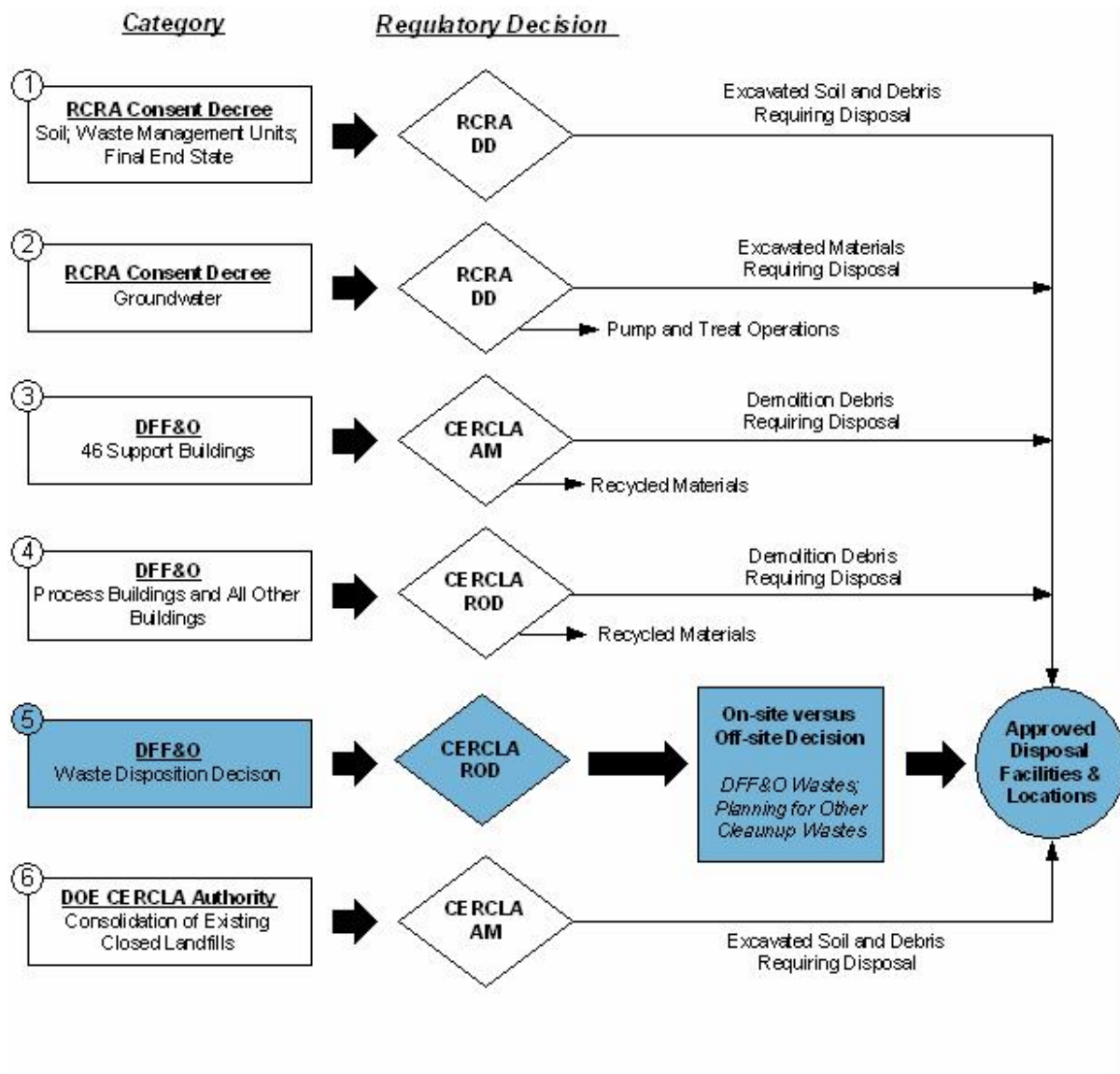
Next meeting: November 13, 2012 6:30 p.m.

Action Items: None at this time

SSAB Site Optimization and Land Use Subcommittee

Decision Category	Regulatory Driver	Regulatory Decision Type	Scope of the Decision	Anticipated Date
1. Soil	1989 Ohio Consent Decree	RCRA Decision Document issued by Ohio EPA	Final cleanup levels for soil; final soil volumes and cleanup locations; disposal locations for excavated soil; closeout of remaining RCRA Solid Waste Management Units; final land use/end state and institutional controls.	2014
2. Groundwater	1989 Ohio Consent Decree	RCRA Decision Document issued by Ohio EPA	Final cleanup levels for groundwater; remedial technologies and cleanup locations; disposal locations for associated cleanup wastes.	2014
3. D&D of 46 Support Buildings	2010 DFF&O	CERCLA Removal Action Memorandum issued by DOE and Ohio EPA	Early D&D of 46 buildings listed in Attachment G of the DFF&O. Referred to as the "Balance of Plant" D&D Decision. Waste will be managed via the DFF&O Waste Disposition Decision.	Action Memorandum was issued March 2012
4. D&D of Main Process Facilities and All Other Support Facilities	2010 DFF&O	CERCLA Remedial Action ROD issued by DOE and Ohio EPA	Final D&D of all remaining PORTS buildings and structures listed in Attachment H of the DFF&O. Waste will be managed via the DFF&O Waste Disposition Decision.	2013
5. Waste Disposition Decision	2010 DFF&O	CERCLA Remedial Action ROD issued by DOE and Ohio EPA	Site-wide on-site or off-site waste disposal decision; Disposition of DFF&O D&D wastes; Planning for other site-wide cleanup wastes from Ohio Consent Decree.	2013
6. End-use Decision	DOE's CERCLA lead agency authority	CERCLA Removal Action Memorandum issued by DOE	Consideration of consolidating several closed, compliant landfills to support post-cleanup economic redevelopment of the site (if on-site disposal is selected under the DFF&O Waste Disposition Decision)	2013

SSAB Site Optimization and Land Use Subcommittee



CLEANUP



TIME WARP

**BLUE
TEAM**



This plant operated from 1954–2001
for what purpose?

- a. Build Bombs
- b. Enrich Uranium
- c. Split Atoms
- d. Diffuse Gas



GREEN

TEAM



How many separate near term regulatory decisions must be made to complete the site wide remediation picture for PORTS?

- a. 4
- b. 6
- c. 8
- d. 2



**BLUE
TEAM**

Who makes sure that cleanup complies with environmental laws?

- a. Ohio and US EPAs
- b. Ohio Department of Health
- c. FBI
- d. Barney Fife
- e. a and b

GREEN

TEAM



At the plant, what does "D&D" stand for?

- a. Dungeons & Dragons
- b. Destruction & Demolition
- c. Dumb & Dumber
- d. Decontamination & Decommissioning



**BLUE
TEAM**



Only radioactive material can cause contamination...

True or False?

False



GREEN

TEAM



What is the major groundwater contaminant here at the plant?

- a. Uranium
- b. Pesticides
- c. PCBs
- d. Trichlorethylene



**BLUE
TEAM**

Five (5) grams of trichloroethylene is enough to make how many liters of water unfit for drinking?

- a. 1,000 liters
- b. 100,000 liters
- c. 1 million liters
- d. 1 billion liters

GREEN

TEAM



The number 297 corresponds to which of the following?

- a. Number of pages in the Waste Disposition RI/FS.
- b. Number of applicable, relevant and appropriate requirements (ARARs) in the WD RI/FS.
- c. Number of people who must review a regulatory document before it is approved.



**BLUE
TEAM**



Which of the following are key ARARS requiring approvals by Ohio EPA.

- a. O2G
- b. CAMU
- c. R2D2
- d. a and b



GREEN

TEAM

The waste disposition decision is finalized after:

- a. Ohio EPA concurs with the RI/FS.
- b. DOE writes responses to public comments.
- c. Joel scores in the next Donkey Basketball game.
- d. A Record of Decision is signed.
- e. a, b and d.

**BLUE
TEAM**



Which statement about legal agreements with Ohio EPA is not true?

- a. Soil remediation is performed under RCRA rules, not CERCLA.
- b. Building demolition is conducted under CERCLA rules.
- c. Special permission from Ohio EPA is required to put PORTS soil into the CERCLA regulated OSDC cell.
- d. All are true.



GREEN

TEAM



The waste disposition ROD will give DOE approval to:

- a. Place contaminated soil that meets WAC in an OSDC if selected.
- b. Excavate the existing landfills.
- c. Excavate plumes.
- d. All of the above.
- e. None of the above.



**BLUE
TEAM**



Which of the following is not managed during the cleanup here?

- a. Uranium
- b. Dinitrophenylhydrazine
- c. Asbestos
- d. Trichlorethylene



GREEN

TEAM



The groundwater is not contaminated by
DOE outside the property boundary of
the plant?

True or False?

True



**BLUE
TEAM**

Which of the following is not a characteristic of soil in Ohio:

- a. It contains much volcanic material.
- b. It bears radon producing elements.
- c. It contains transuranic radionuclides.
- d. It contains uranium.

GREEN

TEAM



Which document would provide authority
to excavate plumes?

- a. Waste Disposition Record of Decision
- b. Groundwater Decision Document
- c. Soil Decision Document
- d. A letter from DOE-HQ



**BLUE
TEAM**



DOE must prepare a separate Engineering Evaluation/Cost Analysis to excavate any existing closed landfills.

True or False?

True



GREEN

TEAM



Which of the following could not be a safe option for managing contaminated soil?

- a. Excavating soil and placing in OSDC if available.
- b. Mixing the soil with super glue so the contaminants cannot migrate.
- c. Placing a cap on the soil and building a Home Depot on top.

