



Portsmouth EM Site Specific
Advisory Board

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L. Gene Brushart
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Terri Ann Smith

**DOE Deputy Designated
Federal Officer**

Joel Bradburne

DOE Federal Coordinator

Greg Simonton

**Decontamination & Decommissioning (D&D)
Subcommittee
March 30, 2010 • 4:30 p.m.
Agenda**

- Review January Summary
- Asset Recovery
 - Presentation by: Bill Murphie
- Public Comment Period
- Review of Action Items

Adjourn



Support Services

EHI Consultants, Inc.
1862 Shyville Road
Suite 115
Piketon, OH 45661
Phone 740-289-5249
Fax 740-289-1578
www.ports-ssab.org
info@ports-ssab.org



Decontamination and Decommissioning (D&D)

Meeting Summary

March 30, 2010 • 4:30 p.m.

The Ohio State University Endeavor Center

1862 Shyville Road, Piketon, OH 45661

Subcommittee Members Present: Gene Brushart, Lindy Coleman, Bobby Graff, Dan Minter, Daniel Moore, Larry Parker, and Terri Ann Smith

Board Members Present: Shirley Bandy, Val Francis, Michael Lilly, Sharon Manson, Cristy Renner, and Dick Snyder

U.S. Department of Energy (DOE) Representatives: Joel Bradburne and Greg Simonton

DOE Employees and Contractors: Loretta Averna, Bill Murphie, Kristi Wiehle, DOE; Sandy Childers, Bill Franz, and Jeff Pinkerton, LATA/Parallax (LPP); Yvette Cantrell, Janie Croswait, and John Patterson, Restoration Services, Inc. (RSI)

Liaisons: Michael Rubadue, Ohio Dept of Health; Maria Galanti and Melody Stewart, Ohio Environmental Protection Agency (Ohio EPA)

Support Staff: Julie Galloway, Brandy Moore, and Eric Roberts, EHI

Public: Lee Blackburn, Jackson, Ohio; Vina Colley, Portsmouth/Piketon Residents for Environmental and Safety (P.R.E.S.S); and Geoffrey Sea, Southern Ohio Neighbors Group (SONG)

Larry Parker, Subcommittee Chair, opened the Decontamination and Decommissioning meeting.

1. Review of January Summary:

- **Minter** motioned to accept the Summary, **Motion seconded.**
 - **Motion carried**

2. Waste Disposition Overview:

- **John Patterson**, with RSI in Oak Ridge provided a presentation on the following information.
 - Planned D&D Activities
 - GDP Equipment Removal
 - GDP Facility Demolition
 - Portsmouth Regulatory Process

- Portsmouth GDP Cleanup will Generate Many Waste Types
- Portsmouth Waste Volumes
- Portsmouth Waste Types
- Cleanup Requires a Menu of Alternatives Opportunities for Asset Recovery

3. Asset Recovery Preserving Our Future:

- **Bill Murphie**, with DOE gave a presentation on the following information.
 - Significant Metals Quantity
 - Why Recover Metals
 - The Fundamental Decision
 - Asset Recovery Vision
 - Technical Benefits
 - Socioeconomic Benefits
 - Asset Recovery Costs
 - Path Forward

Question/Comment:	Answer:
Francis asked if there were other buildings at the other sites like this that can recycle metals.	Murphie stated not as of today, Paducah had one but they are in the process of taking it down.
Brushart asked if any other site has this type of process.	Murphie stated that no one in DOE is recovering metal from the contaminated areas. Nickel is extremely valuable. There are no commercial melting facilities in this country that are running.
Sea asked if DOE could show graphs on how much work has done to get information on this process.	Murphie no information right now this is only for the contaminated material with the Decontamination and Decommissioning.
Smith asked how much of the community will be aware of this recycling process and stated the community was not informed when the cylinders were shipped to the plant site.	Murphie stated that DOE would give the community information and the Government did talk to the community about the cylinders before they were shipped.
Galanti asked if the department had a set date for end use.	Murphie stated that that DOE needs to figure out how long and that they hope for patience from the community.
Blackburn stated he believed in recycling but does not agree with the idea of spending around \$1.8 to melt metal to throw into a hole.	

- **Roberts** asked the subcommittee if they received enough information to make a recommendation on Asset Recovery.
- **Parker** stated that the subcommittee would confer by email and in 30 days make a decision.

4. Public Comment Period:

- **Frank Halstead** read a letter that stated he is extremely concerned that the work being performed by some contractors are substandard and compromising safety. Halstead also stated that action to prevent unsafe practices must be put in place.
- **Geoffrey Sea** stated he had extensive conversations the UDS facility and he felt the cylinders were a total travesty.

5. Action Items:

- None provided

Graff motioned to adjourn meeting, **Motion seconded.**

- **Motion carried**

Meeting adjourned

Next Meeting Tuesday, April 13, 2010, at 4:30 p.m.

Waste Disposition Overview

John Patterson, Project Manager
Portsmouth Waste Disposition Options Project

William Murphie, Manager
Portsmouth/Paducah Project Office

SITE SPECIFIC ADVISORY BOARD (SSAB)
D&D Committee
Endeavor Center, Piketon, Ohio
January 12, 2010

Planned D&D Activities



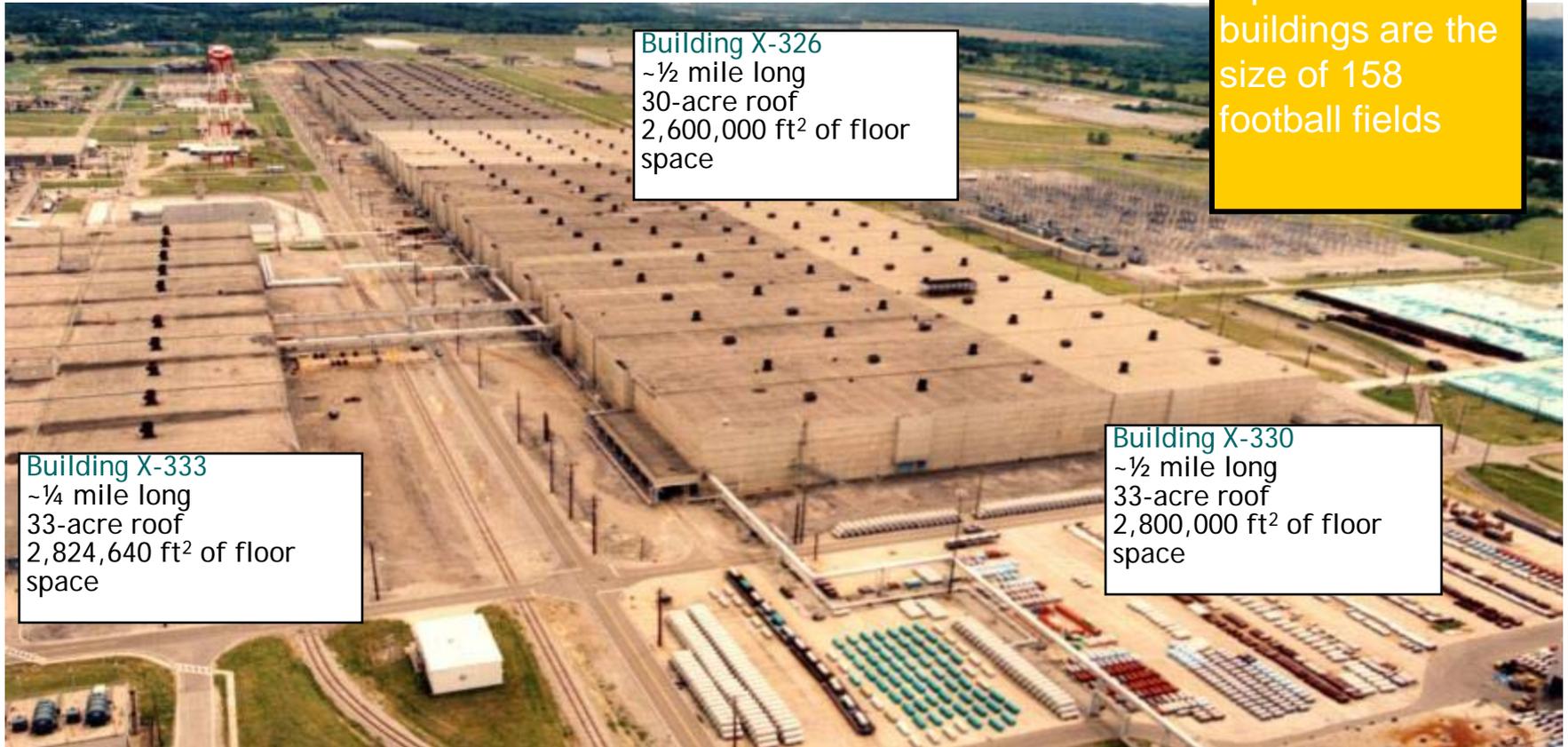
- D&D of the Portsmouth Gaseous Diffusion Plant (GDP) includes:
 - Removal of facility equipment
 - Demolition of the facilities
 - Soil and subsurface remediation
 - Waste and material disposition

GDP Equipment Removal



- Pumps & Motors
- Convertors (many sizes)
- Misc. Process and Industrial Equipment

GDP Facility Demolition



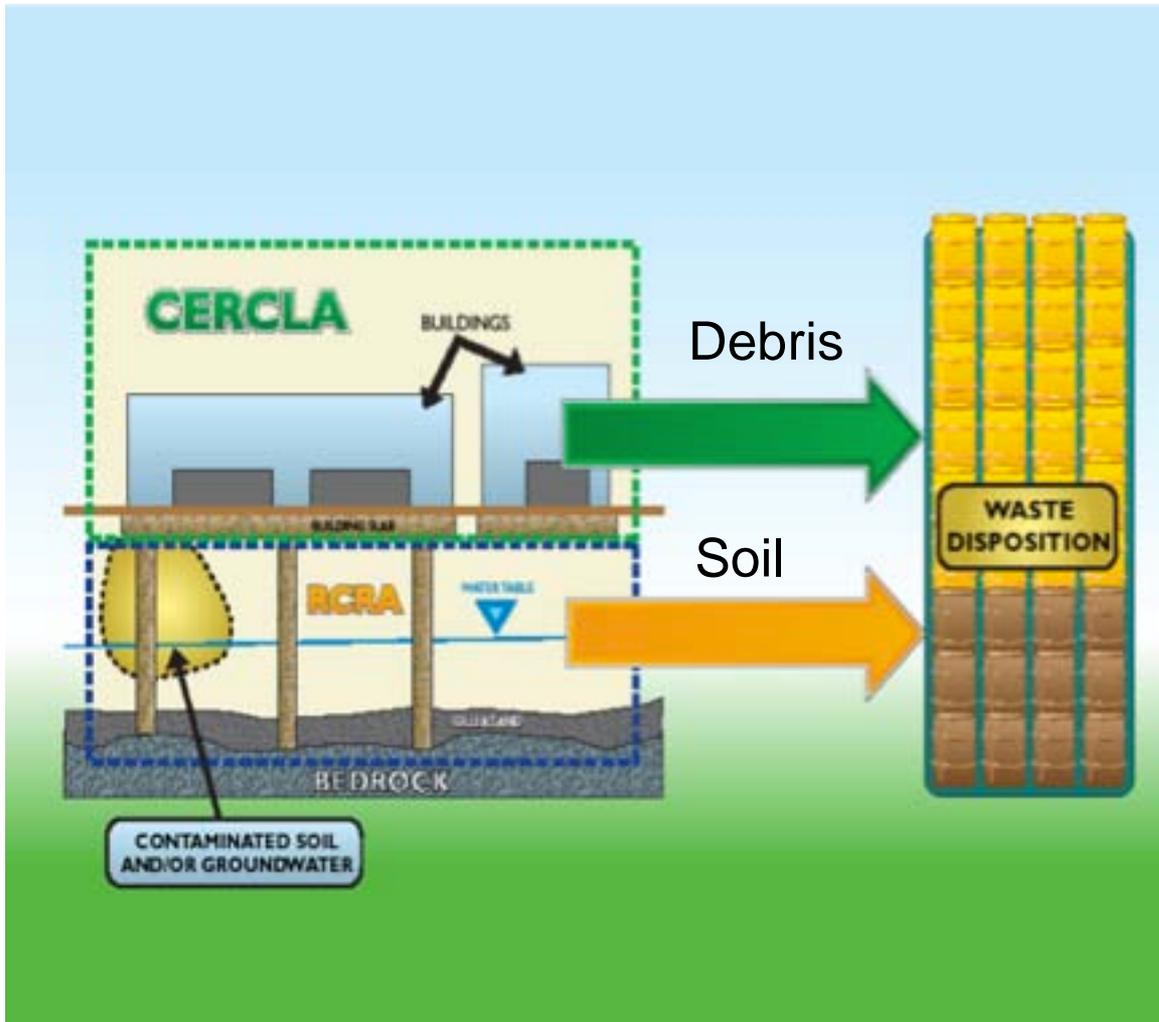
Building X-326
~½ mile long
30-acre roof
2,600,000 ft² of floor
space

3 process
buildings are the
size of 158
football fields

Building X-333
~¼ mile long
33-acre roof
2,824,640 ft² of floor
space

Building X-330
~½ mile long
33-acre roof
2,800,000 ft² of floor
space

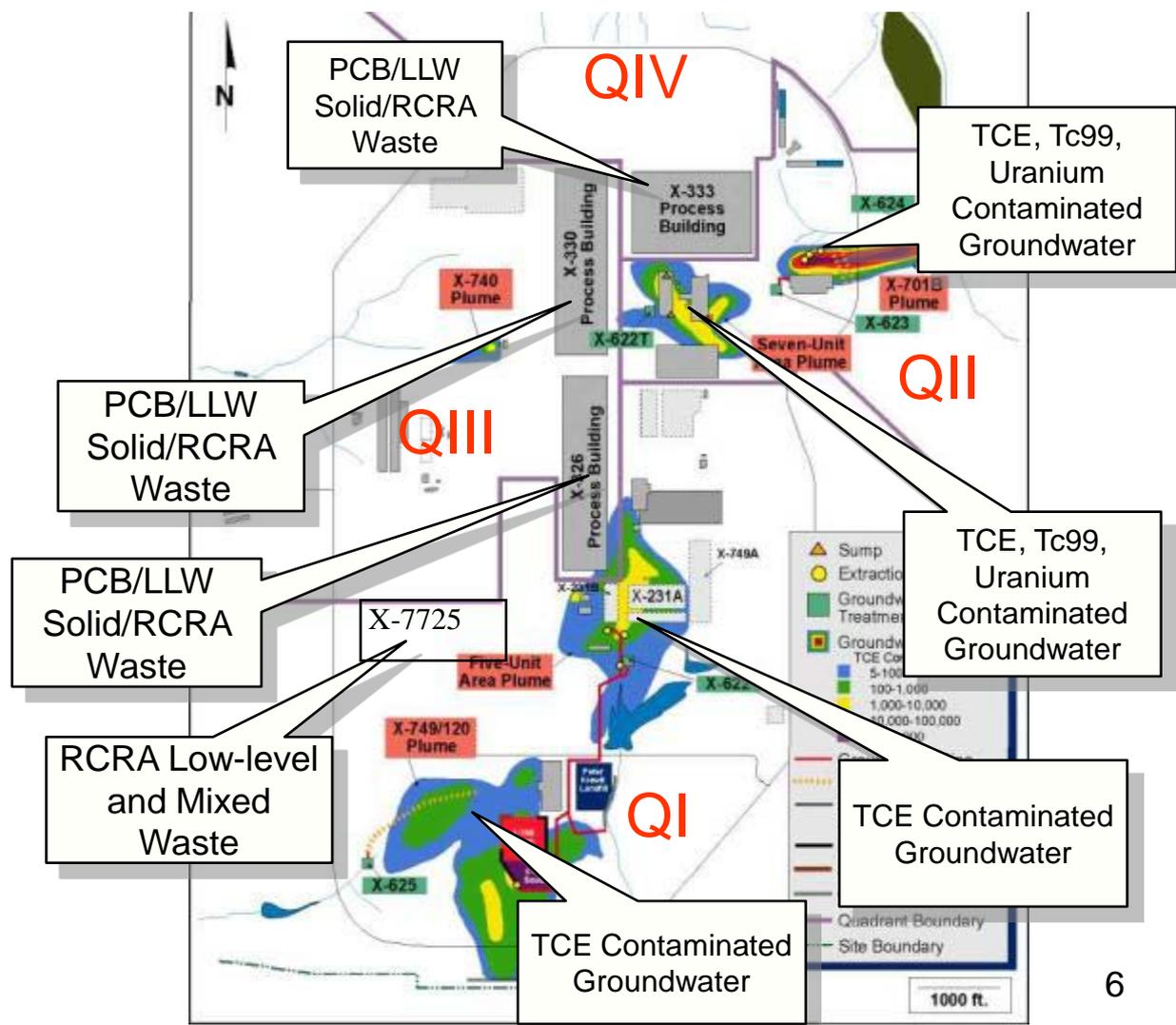
Portsmouth Regulatory Process



- Buildings will be addressed under CERCLA
- Soils and groundwater addressed under RCRA
- CERCLA and RCRA processes will be integrated

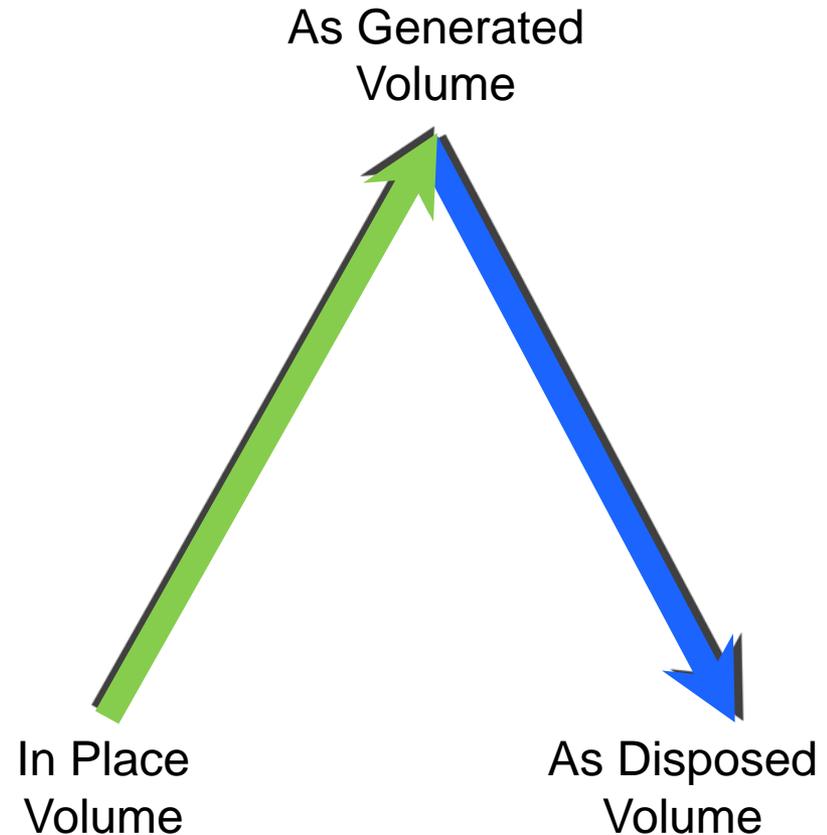
Portsmouth GDP Cleanup will Generate Many Waste Types

- Low level radioactive waste
- RCRA waste
- TSCA waste
– (e.g., PCB's)
- Solid waste
- Mixed waste



Portsmouth Waste Volumes

- CERCLA Waste Disposition Evaluation Project will evaluate a volume range
 - Point estimate: 2.2M yds³
 - Low-end volume: ~1.0M yds³
 - High-end volume: ~3.0M yds³
- Evaluation of a range considers:
 - Variability in measurements
 - Uncertainty in future cleanup decisions
- Ongoing and future analyses will continue to refine volume estimates

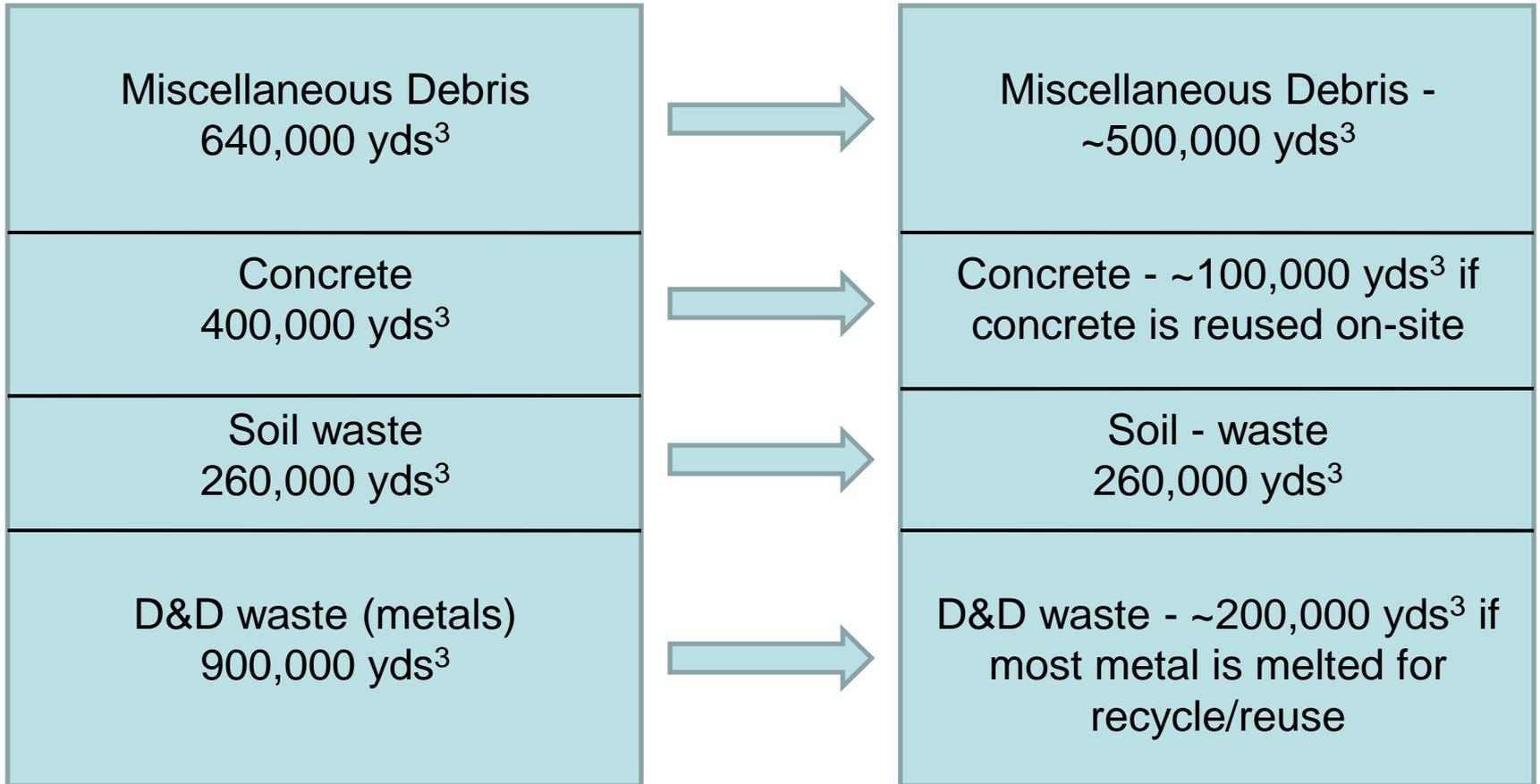


Portsmouth Waste Types

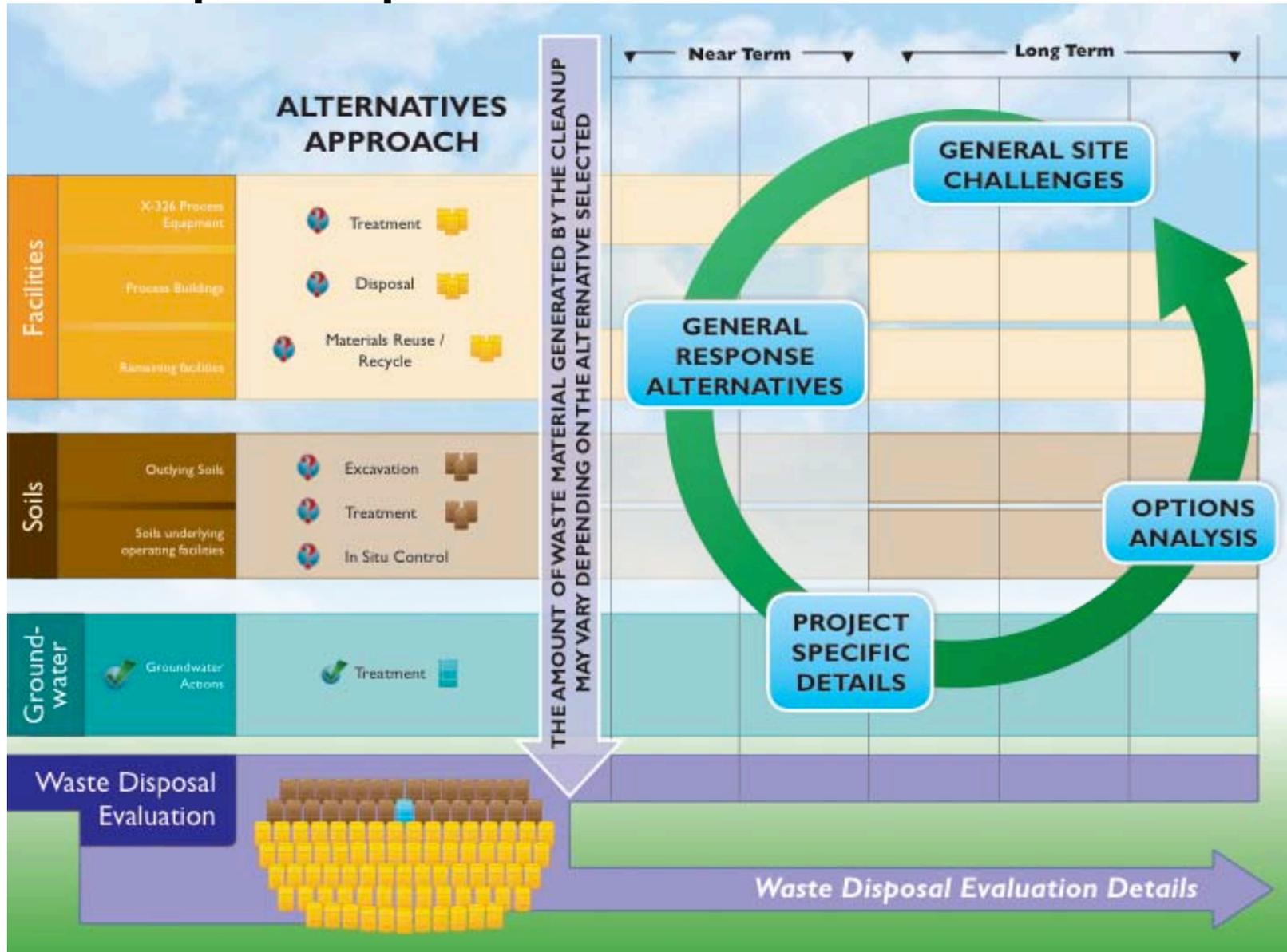
Current Volume
Estimate (2.2M yds³)

Low-End Volume
Range (~1.0M yds³)

Typical D&D/Cleanup Waste Forms



Cleanup Requires a Menu of Alternatives



Opportunities for Asset Recovery

Our Goal is to Minimize Waste

