

PORTS EM SSAB
Waste Disposition
Draft Recommendation 12-03

Will Henderson
Waste Disposition Chair

A decorative graphic at the bottom of the slide consisting of a dark blue area with a fine diagonal line pattern, a solid black horizontal band, and a light blue gradient area above it.

Project Background

- ▶ On Thursday, June 21, 2012 Greg Simonton, Federal Project Coordinator, DOE; provided a briefing to the Waste Disposition Committee on the levels of radioactive contamination contained inside the process buildings

333

Converters – 652
Compressors – 655
Total volume of all X-333 PGE:
~159,000 yd³

HEU not present

Each converter weighs 33 tons

330

Converters – 1,132
Compressors – 1,109
Total volume of all X-330 PGE:
~118,000 yd³

HEU not present

Converter sizes vary in X-330

326

Converters – 2,340
Compressors – 2,361
Total volume all X-326 PGE:
~ 37,000 yd³

HEU present

Each converter weighs 2 tons

Recommendation 09-03

Background

- ▶ Based on increased historical evidence from Rocky Flats and Fernald where accelerated cleanup saved billions and shaved years off of the baseline schedule
- ▶ The Portsmouth EM-SSAB recommended the implementation of accelerated D & D and remediation schedule for the Portsmouth site and the funding to make that happen



DOE Response to Rec 09-03

- ▶ “We are pleased to re-affirm the Department of Energy's (DOE) commitment to continue to work with the Portsmouth EM SSAB, the regulators, and other stakeholders throughout the Portsmouth cleanup process. On April 14,2009 the Secretary of Energy advised Governor Strickland, Senator Brown, Senator Voinovich, and Congressional representatives that DOE'S Request for Proposals will be revised to emphasize accelerated completion of the Portsmouth decontamination and decommissioning (D&D) and remediation project”



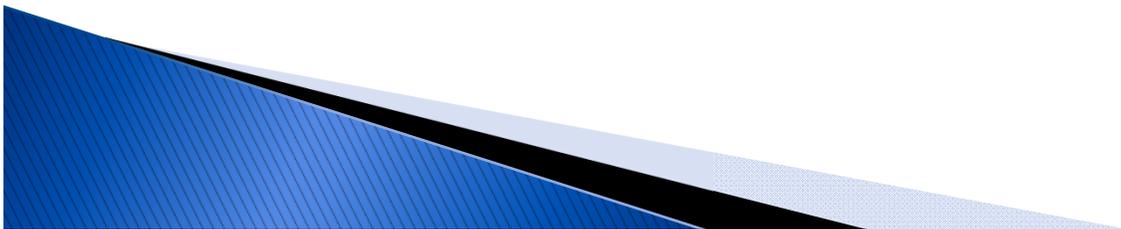
Waste Disposition Committee

- ▶ Monthly meetings covering topics:
 - Construction
 - Waste Acceptance Criteria
 - Location
 - Health and Safety Issues
 - Potential Volumes and Possible Contents
 - Location of Existing Landfills and Plumes
 - Suspected Contents of Landfills



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- ▶ Waste Disposition Onsite decision seems simple at face value
- ▶ SSAB agrees there is *no desire* for nuclear waste to be disposed on-site
- ▶ SSAB believes *some material* is in the best interest of the community, provided it is accompanied by certain DOE actions
- ▶ SSAB only believes that an on-site cell is appropriate if specified actions are deemed feasible; *if these actions cannot be accomplished, then the SSAB recommends all radioactive material be dispositioned offsite*



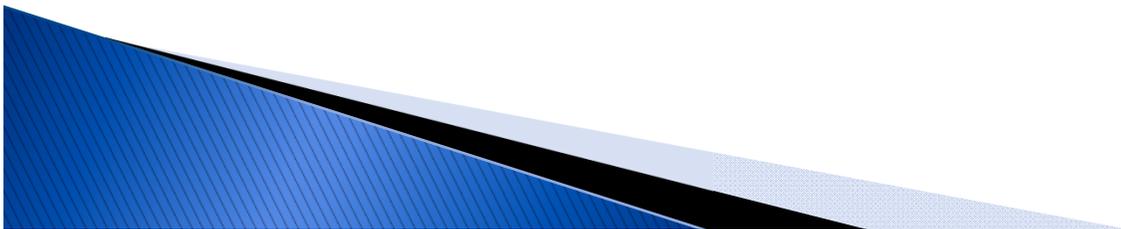
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- ▶ SSAB endorses
 - the Future Vision Plan as an agreeable “Starting Point” as outlined by FFE Consultants
 - Consolidation of ALL onsite landfills and plumes
 - With the end goal of Reindustrialization



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- ▶ SSAB recommendation on Administrative WAC
 - Highly contaminated equipment shall be disposed of off-site
 - Characterization process must include Bore Scoping, NDA and H.P. detailed survey
 - Only equipment free of transuranics and other undesirable elements
- ▶ End result is a first-class, large scale industrial park. *This only happens if detailed Administrative WAC controls are maintained and enforced*



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▶ TRANSURANICS

- Americium-241
- Neptunium-237
- Plutonium
 - Plutonium-238; Plutonium-239; Plutonium-240



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- ▶ Recycling is Critical and will provide funding to begin the process of attracting Industry Leading Corporations to the area
- ▶ Protection of Public and Worker Health remain of utmost importance



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- ▶ This recommendation is not the end; rather it is an act of “Good Faith” on the part of the SSAB to allow DOE to move forward with the understanding that we are “On Watch” and will remain vigilant as the D&D process moves forward
- ▶ The SSAB may rescind, change or create additional recommendations as deemed appropriate by the membership

