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**WASTE DISPOSITION AND RECYCLING SUBCOMMITTEE**

**TUESDAY, NOVEMBER 13, 2012 @ 4:00 P.M.**

**THE PURPOSE OF THIS MEETING IS TO PROVIDE AN UPDATE TO THE SSAB SUBCOMMITTEE ON ACTIVITIES RELATED TO RECYCLING AND OTHER ASPECTS OF THE DOE-SODI ASSET TRANSITION PROGRAM IN ORDER TO PREPARE THE SUBCOMMITTEE TO PRODUCE A WASTE DISPOSITION RECOMMENDATION PRIOR TO THE WASTE DISPOSITION ROD**

**AGENDA**

- REVIEW OF THE OCTOBER MEETING
- DOE-SODI ASSET TRANSITION OVERVIEW-PETE MINGUS, FBP
- DISCUSSION

ADJOURN



## **WASTE DISPOSITION & RECYCLING SUBCOMMITTEE**

MEETING SUMMARY

NOVEMBER 13, 2012 • 4:00 P.M.

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

**SSAB Subcommittee Members Present:** Richard Snyder, subcommittee chair; Connie Yeager, subcommittee vice chair; Shirley Bandy, Frank Halstead, Brian Huber

**SSAB Subcommittee Members Absent:** Al Don Cisco, Dan Minter

**Other SSAB Members Present:** Will Henderson, Board Chair; Gene Brushart, Carl Hartley

**U.S. Department of Energy (DOE) and contractors:** Greg Simonton, Johnny Reising, DOE; Rick Greene, Restoration Services, Inc. (RSI); Karen Price, Pete Mings, Deneen Revel, Fluor-B&W Portsmouth (FBP)

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

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

**Public:** None

*Snyder* opened the meeting.

**1. Review of the October meeting:**

**2. DOE-SODI Asset Transition Overview-Pete Mings, FBP**

**Asset Recovery and Recycling**

- Asset Recovery Steps to Disposition
- Asset Recovery and Recycling
- Asset Recovery-Drivers
- Materials Clearance
- D&D Integration
- Asset Recovery (Recycling) Successes
- List of Future Opportunities/Types

<b>Question/Comment:</b>	<b>Answer:</b>
<b>Halstead:</b> Ed Herderick of the Edison Welding Institute (EWI) came to our annual planning meeting and presented on laser decontamination. Have you met with them?	<b>Mingus:</b> Yes, we have met with them a couple of times and are currently waiting to hear back from them.
<b>Roberts:</b> When we were in Washington, they thought a decision would be made soon on recycling. Is that your take on it?  How does that change your process? Would your process be the same as the process is now.  Since you have recycled 1.9 million pounds already. Do you have an estimated amount of total recycling?  What is the biggest hurdle?	<b>Mingus:</b> I know it is progressing through the process one-step at a time.  Yes, it will be the same.  We will recycle everything we possibly can.  <b>Simonton:</b> We have preliminary numbers for the original Decontamination and Decommissioning (D&D) planning. We are getting more accurate numbers all the time. We want recycling to be an important aspect of our operation.  <b>Mingus:</b> The biggest hurdle is just the process that we have to go through.  <b>Simonton:</b> The take away is we are learning to do things better. We are on the cutting edge.
<b>Hartley:</b> Define what level is clean.	<b>Mingus:</b> Under five parts per million (PPM) is the standard. I will have to verify what it used to be and get back with you.
<b>Bandy:</b> Higher level of cleanup means stricter?	<b>Mingus:</b> Yes
<b>Snyder:</b> What was the approach when tearing down the 100 building? Did you get any wiring?  Did anything come up at the public meeting regarding recycling?  Does SODI go through the buildings?	<b>Mingus:</b> We recycled desk, chairs, and steel but not much wire that I recall.  <b>Revel:</b> No, we did not get anything about recycling at the last meeting. However, I can check the previous meetings.  <b>Mingus:</b> Yes, I go through with them, and they tell us what they want.
<b>Henderson:</b> Have you looked at the beams	<b>Mingus:</b> Yes, we look to see what we can get

<p>to see what you can get from them?</p> <p>Why do they leave the slabs after D&amp;D of a building?</p> <p>I talked to Vince Adams about the recycling center, and he said he would talk to someone about coming to meet with us, if we are interested.</p>	<p>and if it is cost effective. We evaluate everything.</p> <p>I do not know why or what the process is, but to the best of my knowledge they will eventually be taken out.</p>
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**Snyder:** Meeting adjourned

Next meeting: Tuesday, December 11, 2012

**Action Items:**

- EHI will request the levels of cleanup for FBP
- EHI will request FBP to check previous public meetings to see if anyone was concerned about recycling

# *Asset Recovery and Recycling*

SSAB Subcommittee Presentation

November 13, 2012

***EM*** *Environmental Management*

*safety* ❖ *performance* ❖ *cleanup* ❖ *closure*

# Asset Recovery

## Steps to Disposition

- **FBP**
  - Coordinate with D&D process
    - Most viable material
  - Initiate and maintain list of potential opportunities
    - Recycle Reuse / Target Ranking - Good / Moderate / Poor
  - Screen potential opportunities
    - DOE Order 450.1A - Protect the environment – Maximize sustainability – Divert reuse recycle from landfills
    - DOE Order 458.1 – Radiation Protection of the Public and Environment
    - Secretary of Energy Suspension/Moratorium
  - Complete economic analysis (CBA)
  - Implement decision (execute and oversee material clearance operations)
  - Document results
- **DOE**
  - Provide direction, oversight, support, and policy guidance
  - Ensure the best economic interest of government while supporting the community

# Asset Recovery and Recycling

- Maximize the recovery of the government's investment in Portsmouth's facilities
- Reduce costs to the government for D&D, waste disposal
- Apply savings to off-set portions of D&D efforts
- Support job creation and economic development to the extent practical

# Asset Recovery – Drivers

- Recycle / Reuse of Equipment and material when:
  - Determined to be in the best economic interests of the government
  - Meets DOE's policies and requirements guiding recycle/reuse
  - Minimal disruption to D&D schedule and critical path

# Materials Clearance

- Understand and apply metals suspension and metals moratorium requirements
- All materials offered for recycle must be rigorously reviewed, radiological surveyed and free released for recycle
- Materials from radiological areas will be processed according to 10 CFR 835 and will comply with DOE Order 458.1
  - DOE currently evaluating relief for / alternate release method
- Consequences of being wrong and releasing contaminated material is severe. We must be 100% right with every decision.

# D&D Integration

- Ensure regulatory strategy and decision documents support Asset Recovery
- Evaluate impact to D&D as part of opportunity analysis
- Integrate approved asset recovery opportunities into D&D
  - Scope
  - Schedule

# Asset Recovery (Recycling) Successes

- 19,000,000 pounds of Excess Personal Property Recycled from FBP Operations
  - ~1.8 million pounds in FY-12
- ~ \$4.4M Generated from Recycle effort
- FY-13 material Recycle (to-date) ~1.2 million pounds

# List of Future Opportunities / Types

Six Categories – Each have unique considerations

1. Outside Radiological Area – Readily accessible in advance of demolition
  - Not Subject to Metal Moratorium or Suspension
2. Outside Radiological Area – Must be removed as part of demolition
  - Example: Structural Steel, other equipment
  - Not Subject to Metal Moratorium or Suspension
3. Inside Radiological Area – minimal or some expectation of contamination – Readily accessible in advance of demolition
  - Example: Copper cable; motor controls
  - Moratorium and/or Suspension may apply
4. Inside Radiological Area – minimal or some expectation of contamination – Must be removed as part of demolition
  - Example: Structural Steel from Process Buildings
  - Moratorium and/or Suspension may apply
5. Inside Radiological Area – highly contaminated – can be segmented in advance of demolition
  - Example: Condensers and Compressors
  - Moratorium and/or Suspension may apply
6. Inside Radiological Area – highly contaminated – must be removed with demolition
  - Example: Structural Steel other equipment
  - Moratorium and/or Suspension may apply