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Advisory Board

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EHI CONSULTANTS

PHONE: 740-289-5249

FAX: 740-289-1578

## HISTORIC LEGACY & COMMUNITY ENGAGEMENT SUBCOMMITTEE

TUESDAY, FEBRUARY 10, 2015 @ 4:45 P.M.

**THE PURPOSE OF THIS MEETING IS TO GIVE THE SSAB SUBCOMMITTEE A HISTORIC  
PRESERVATION UPDATE**

### AGENDA

- HISTORIC PRESERVATION UPDATE- MARC HILL, FBP
- MISCELLANEOUS

ADJOURN



## **HISTORIC LEGACY & COMMUNITY ENGAGEMENT SUBCOMMITTEE**

MEETING SUMMARY

FEBRUARY 10, 2015 • 4:45 P.M.

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

**SSAB Subcommittee Members Present:** Sharon Manson, chair; Lisa Bennett, Carlton Cave, Carol Caudill, Stan Craft, Adrian Harrison, Carl Hartley, Brian Huber

**SSAB Subcommittee Members Absent:** Cristy Renner, vice-chair; Charlene Payne

**Other SSAB Members Present:** Bob Berry, Martha Cosby

**U.S. Department of Energy (DOE) and contractors:** Greg Simonton, DOE; Rick Greene, Restoration Services, Inc. (RSI); Jeff Wagner, Jack Williams, Marc Hill, Fluor-B&W Portsmouth (FBP)

**Liaisons:** Maria Galanti, Ohio Environmental Protection Agency (EPA); Mike Rubadue, Ohio Department of Health (ODH)

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

**Public:** Geoffrey Sea, Neighbors for an Ohio Valley Alternative (NOVA)

**Manson** opened the meeting

### **1. Historic Preservation Update-Marc Hill, FBP**

- **The Historic American Building Survey for the X-326 Process Building**
- **X-326 Process Building Interior Panorama**
- **The Portsmouth Gaseous Diffusion Plant Historic Context Report**
- **Preservation Process & Salvaged Items**
  - **Item Salvage Process**
  - **Screening Strategy (Selection Criteria)**
  - **Salvaged Item Selection**
    - **Process Building Communications**
    - **Howe Scale (Howe-Zero-Flow (1/2 Pd. Graduation) Model #4703 (Rutland, VT)**
    - **Salvaged Item Green-tag #74**
    - **Red (Phone) Telephone**
    - **Oscillating Horns**

- **REM-RAD CAAS Neutron Criticality Detector**

<b>Manson:</b> Interesting, it would be nice to see it all someday.	<b>Hill:</b> We have them in storage right now. We have some items that I cannot show yet; because they are still in place or still being used.
<b>Wagner:</b> The display cases need to be more mobile. With all the glass in it, you have to take them completely apart to move them.	
<b>Caudill:</b> The buildings that were torn down, was anything done to preserve any of the stuff in them?	<b>Hill:</b> Yes, we have done this with all those buildings before they were torn down.

## 2. Miscellaneous:

<b>Wagner:</b> We are just about a month out from the Science Bowl.	<b>Williams:</b> This year we have 32 teams signed up. March 13, 2015, if anyone would like to sign up to volunteer let Julie know. She has several already.  <b>Simonton:</b> The first year we had 19 teams. It has grown every year. This is all because of the board's recommendations about five years ago. It took us about a year and a half to have the first one and now three years later, we have 32 teams.
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**Manson:** Meeting adjourned

## 3. Action Items: None at this time.

PREPARING THE FUTURE

# PORTS

D & D PROJECT

## X-326 Building

Preservation Process & Salvaged Items



February 2015

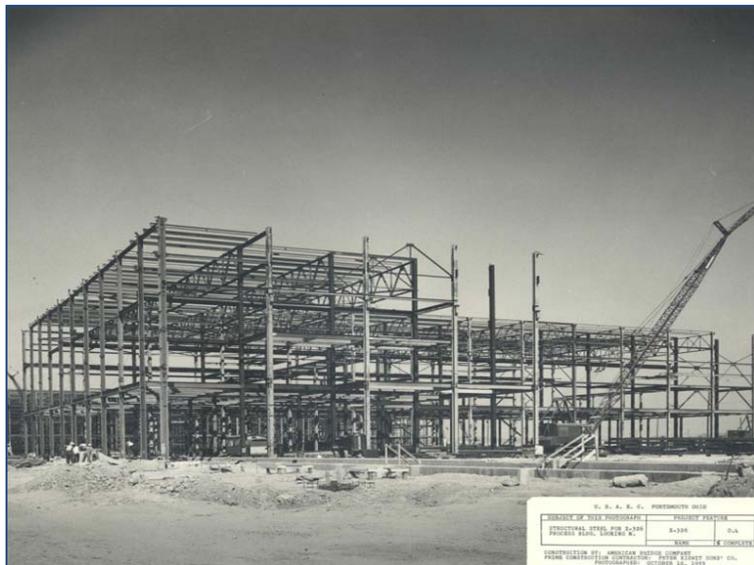
## The Historic American Building Survey for the X-326 Process Building



Southeast corner of the X-326 Process Building, facing northwest.



Northwest corner of the X-326 Process Building, facing southeast.

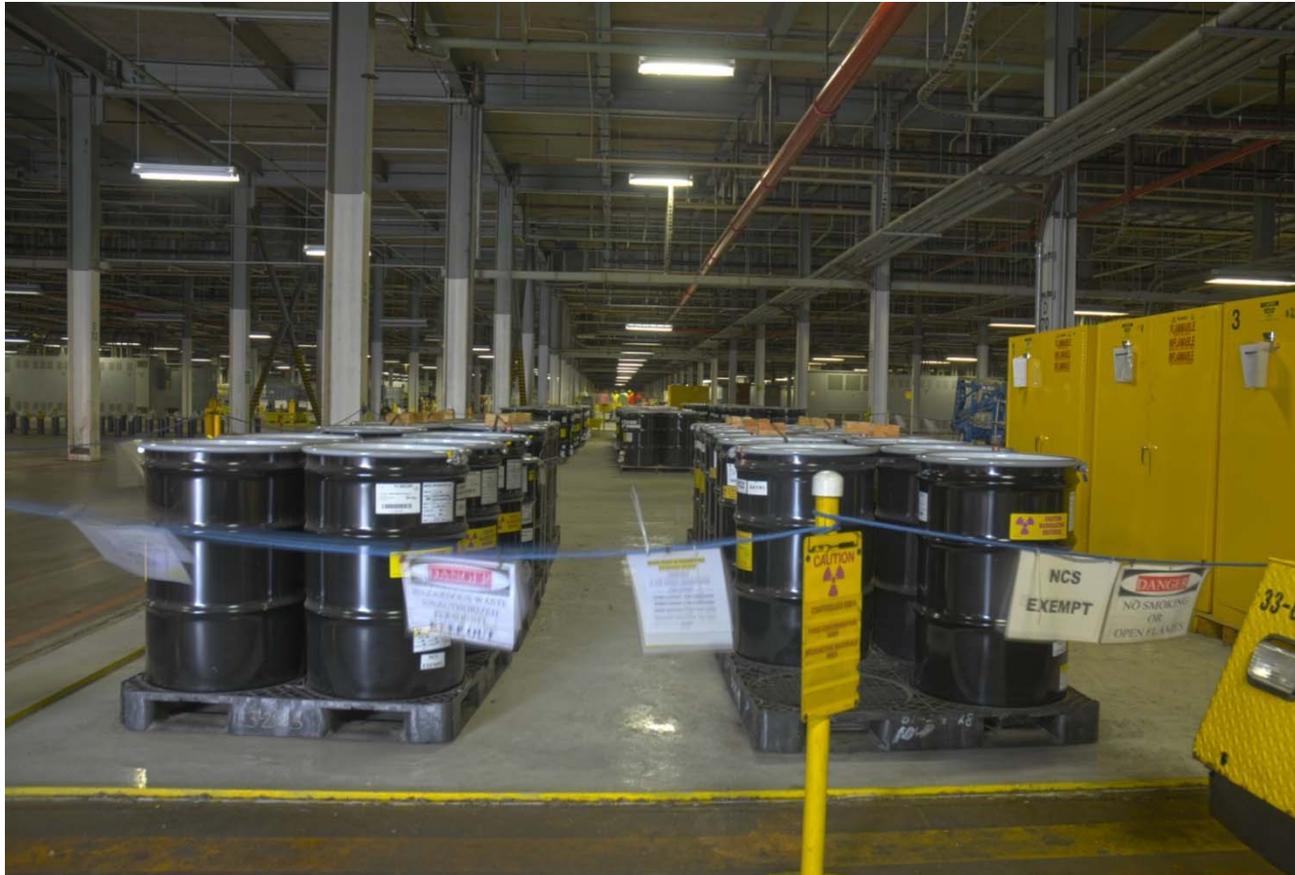


Structural steel work for the X-326 Process Building, looking north, October 16, 1953.



Looking north at the X-326 Process Building, December 16, 1953.

## X-326 Process Building Interior Panorama



## X-326 Process Building Interior Panorama



## The Portsmouth Gaseous Diffusion Plant Historic Context Report

Covering 58 acres, the X-326 was the second largest of the plant's three main process buildings. The X-326 and its sister process buildings would feature a new method of construction for steel structures. Instead of utilizing rivets to fasten structural members to one another, steel workers would use high-tensile bolts to accomplish the same task. High-tensile bolts provided a stronger connection, as they created considerable friction between the faces of the steel members.



X-326 Process Building under Construction, December 16, 1953  
 (PORTS History Collection)



X-326 Process Building, Peter Kiewit Sons', January 18, 1954  
 (PORTS History Collection)

## Preservation Process & Salvaged Items

### Item Salvage Process

- **Item salvaging activities consist of identifying, collecting, cataloguing, photographing, and potentially preserving items for assessment from the Portsmouth Gaseous Diffusion Plant (PORTS) Cold War-era operational period.**
- **Items of specific interest are items unique to PORTS that are associated with the high enrichment of uranium by the gaseous diffusion process.**
- **PORTS personnel ensure that items identified during item salvage activities at PORTS follow similar protocol to the item salvaging operations conducted at the Oak Ridge Reservation (TN), and Fernald Site (OH).**

## Preservation Process & Salvaged Items

### Screening Strategy (Selection Criteria)

The screening strategy employed during item selection activities is based upon criteria established by the National Registry of Historic Places. All items identified are to meet the following criteria:

1. **Historically significant figures** - Items in this category include objects used, owned, invented, made by, or represent personal effects, ephemera or memorabilia belonging to important people connected with PORTS or the Cold War era.
2. **Historically important events** - This category requires that an object be associated with an event that is historically significant to PORTS and/or the Cold War era; national and international Cold War events are reported in this category.

## Preservation Process & Salvaged Items

### Selection Criteria (Continued)

3. **Significant advances in technology** – Items in this grouping represent contributions to science and technology from PORTS. Topics such as levels of enrichment, environmental management and the nuclear age will be placed in this category.
4. **Social history impact** - This classification will be used for items that are representative of atomic social history at PORTS and the impact of atomic culture on the general public during the Cold War era. Examples of these subjects include worker safety, site security, local community, unions, public relations, clothing and morale.
5. **Archival material** - These materials may include maps, films, manuals, video, etc. Copies of necessary and appropriate documents will be included with the salvaged items. During the inventory process, the Site Lead will give priority to designed, produced or modified at PORTS. Objects made off site for the exclusive use of PORTS will also be given additional consideration. If an item fits the above guidelines but has no foreseeable interpretive or educational use it may not be inventoried.

# Preservation Process & Salvaged Items

## Salvaged Item Selection



- Salvaged item selection is a collaborative effort, and accomplished by the Site Lead; Facility Owners and Facility Custodians, Facility Subject Matter Experts, and a Photographer. Former employees with process and/or facility knowledge are also interviewed for historical knowledge.
- If representative items unique and/or significant to the PORTS operations are identified, a salvaged item “green-tag” is placed on the items and the items are immediately photographed. Real-time videos are also taken to capture ongoing work activities and facility operations. The items are housed in the salvaged item storage areas.
- The Site Lead records a description of the items in a computer-based inventory. This inventory maintains all photographed items, the item(s) location (building name, floor number, column numbers, etc.) within the PORTS site.



## Process Building Communications

An array of telephones utilized to communicate from the process X-326/X-330/x-333 Process Building control rooms to the operating cell floors are captured. Numerous telephones are being held for future evaluation and future display.

## Howe Scale [Howe-Zero- Flow (1/2 Pd. Graduation) Model # 5703 (Rutland, VT)



## Salvaged Item Green-tag #74



## Red (Phone) Telephone



## Oscillating Horns



## REM-Rad CAAS Neutron Criticality Detector

