



PORTSMOUTH EM SITE SPECIFIC ADVISORY BOARD

•OSU Endeavor Center• 1862 Shyville Road • Piketon, Ohio 45661 • (740) 289-5249 •

Proposed Agenda for the June 5, 2014 Board Meeting

Chair William E. Henderson II	6 p.m. Call to Order, Introductions Review of Agenda Approval of April Minutes	
Vice Chair Val E. Francis	DDFO Comments	--15 minutes
Board Members Shirley A. Bandy Al Don Cisco Martha A. Cosby Ervin S. Craft Franklin H. Halstead Adrian C. Harrison Carl R. Hartley Brian F. Huber Sharon E. Manson Daniel J. Minter Michael E. Payton Richard H. Snyder	Federal Coordinator Comments Liaison Comments	--10 minutes -- 5 minutes
	Presentation – Cut and Cap Overview - Ken Whittle, FBP	--20 minutes
	Administrative Issues <ul style="list-style-type: none">○ National EM SSAB Chairs Funding Recommendation<ul style="list-style-type: none">● Public Comments on Recommendation● Board Comments on Recommendation○ National EM SSAB Chairs EM Publicize Successes Recommendation<ul style="list-style-type: none">● Public Comments on Recommendation● Board Comments on Recommendation	--20 minutes
	Subcommittee Updates	--5 minutes
Deputy Designated Federal Official Joel Bradburne	Public Comments	--15 minutes
DOE Federal Coordinator Greg Simonton	Final Comments from the Board	--15 minutes
	Member Recognitions	--10 minutes
	Adjourn	

Support Services
EHI Consultants, Inc.
1862 Shyville Road
Piketon, OH 45661
Phone 740.289.5249
Fax 740.289.1578

PREPARING THE FUTURE

PORTS

D & D PROJECT

DEPUTY DESIGNATED FEDERAL OFFICIAL PRESENTATION

Joel Bradburne, Site Lead
U.S. Department of Energy

Portsmouth Site Specific Advisory Board
June 5, 2014



- ▶ Plant Updates
- ▶ Regulatory Progress
- ▶ Community Outreach
- ▶ Upcoming Events



Plant Updates/Cut and Cap Reaches Site Milestone



Plant Updates/Shipping Updates



Plant Updates/Excess Railcars Disposal



Groundwater Remediation




Building	Ground Water Treated through April FY2014	TCE Removed through April FY2014
X-624	1.43M Gallons	47 lbs
X-623	18K Gallons	0.01 lbs
X-627	6.35M Gallons	151 lbs
X-622	11.82M Gallons	15 lbs

DUF6 Conversion Plant



Regulatory Process



Process Building D&D	Evaluation of Alternatives, Informational Meetings and Workshops	Proposed Plan	Public Comment Period	Record of Decision	Work Begins
Waste Disposition	Evaluation of Alternatives, Informational Meetings and Workshops	Proposed Plan	Public Comment Period	Record of Decision	Work Begins
Soil and Groundwater Decisions	Implement Ongoing Corrective Measures (already in place from previous decisions)			Evaluation of Alternatives	

Community Outreach



**DOE Grant Brings Students to
Regional Business Competition**



Community Outreach/Media Day



Study Area D



Community Outreach/Pike County Community Day



Community Outreach/ Interns for 2014



Community Outreach/ ASER



Upcoming Site Events



Pike County Relay for Life
Friday, June 6 at 6:00p.m. to
Saturday, June 7 noon



Public Tour
Saturday, June 21



Public Tour
Saturday, July 19



SSAB Planning Session
Date TBD



For a full list of SSAB activities, check out the website at
<http://www.ports-ssab.energy.gov>

PREPARING THE FUTURE

PORTS D&D PROJECT

X-326 Cut & Cap Project

Presented by Ken Whittle
to the Site Specific Advisory Board
Piketon, Ohio
June 5, 2014

X-326 Deactivation Scope

- Remove process gas equipment (Cut & Cap) *
- Remove auxiliary process gas equipment
- Auxiliary systems deactivation
- Remove Hazardous Waste/Accountable nuclear material
- Characterization activities for disposal
- Remove universal waste
- Removal of asbestos containing materials
- Utility isolation/redistribution

* This work is being done under an Ohio EPA-approved RI/FS Sampling Analysis Plan (SAP)

Work Performance

- Work is performed in compliance with the Department of Energy's (DOE) Integrated Safety Management System (ISMS) process
 - Define the job scope
 - Hazards Analysis/Identification
 - Develop Hazard Controls
 - Perform the work using the controls
 - Feedback for continuous improvement

Typical X-326 cell - intact



Work Performance: Define the job scope

- Removal of process gas equipment (PGE)
 - Walk down the job
 - Start hazard identification



Work Performance: Hazards Analysis /ID

- Process knowledge
- Historical information
- Subject matter experts
- Walk downs of work area
- Lessons learned
- * Controls are developed



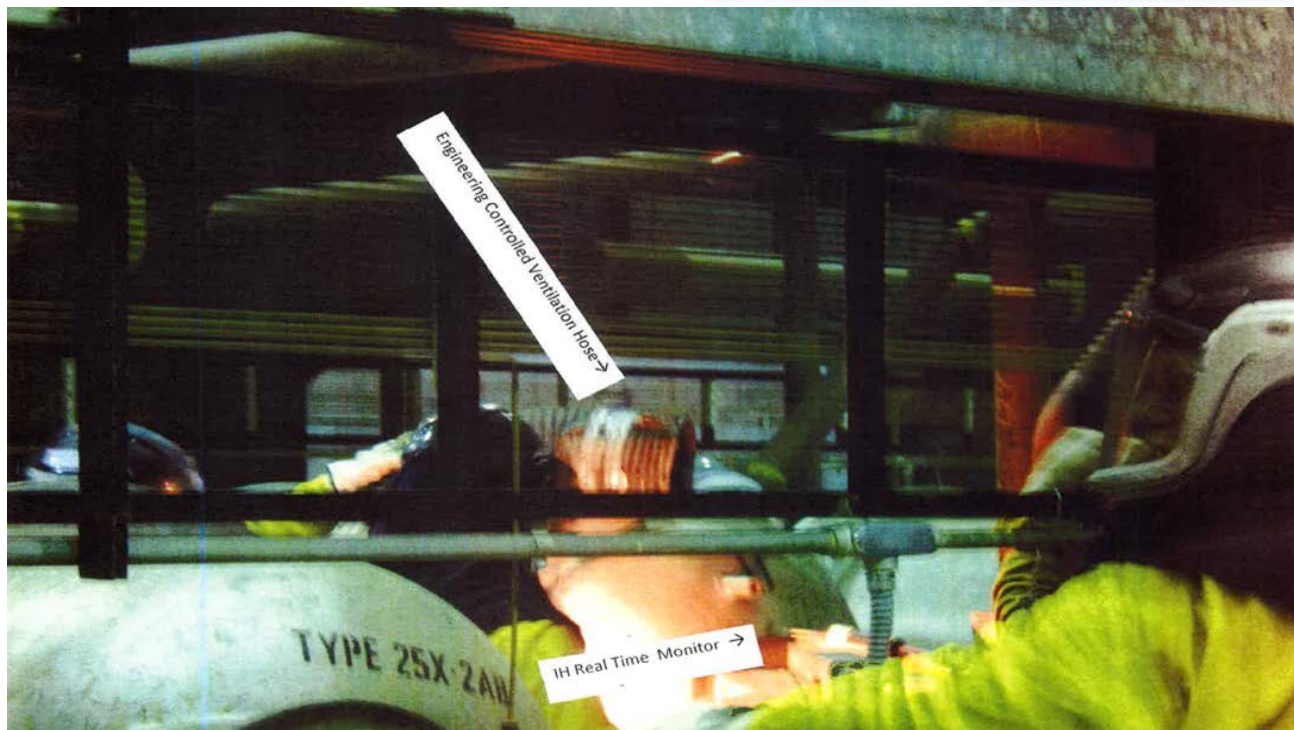
Work Performance: Do the work using the controls

- Elimination of hazard
- Engineering controls
- Administrative controls
- Personal protective equipment
- Sampling activities; confirm efficacy of controls



Sampling to ensure efficacy of controls

- Radiological air & smear samples
- Gaseous & metals airborne contaminants
- Temperatures / Noise



Work Performance: Worker Feedback

- Pre-job briefs
- Post-job reviews
- Continuing education classes (topical)
- Weekly Safety Advocate Meeting
- Employee feedback website



X-326 Cut & Cap Worker Training

- Initial training
- Specialized training
- Continuing training
- Topical briefs
- Improvements
- Lessons learned
- Drills



X-326 Cut & Cap Worker Communication

- United Steel Workers (USW) involvement in self-assessments
- Newsletter / Offering training to plant personnel



X-326 Cut & Cap Communication (continued)

- Posting Radiological Control and Industrial Hygiene sample results
- Posting Leading Indicators and Performance Measures
- National Institute Occupational Safety Health (NIOSH) Health Hazard Evaluation joint request



ENVIRONMENTAL MANAGEMENT SITE-SPECIFIC ADVISORY BOARD

**Hanford
Oak Ridge**

**Idaho
Paducah**

**Nevada
Portsmouth**

**Northern New Mexico
Savannah River**

Mr. David Huizenga
Acting Assistant Secretary for Environmental Management
U.S. Department of Energy, EM-1
1000 Independence Avenue, SW
Washington, DC 20585

Dear Mr. Huizenga:

Background

The Environmental Management Site Specific Advisory Board (EM SSAB) believes the fiscal year 2015 budget request is insufficient to meet the cleanup obligations facing the EM cleanup sites. We also believe that the Department of Energy (DOE) needs to honor the agreements and established milestones between the federal government, the states, Tribes and affected stakeholders in a more timely fashion.

How Underfunding Increases Cost and Risk

- Funding shortfalls increase the long-term cost of cleanup to the American taxpayers.
- Flat funding increases cleanup costs because it does not consider inflation or escalation of added costs.
- Continuing funding shortfalls result in the downward spiral of additional delays and more costs.
- Continued use of facilities past their design lives increases risk, as has been demonstrated by recent reports of leaking double shell tanks at the Hanford site.
- Loss of institutional knowledge inhibits cleanup efficiency and increases costs.

Cleanup Commitments Must Be Honored

The United States government is obligated to meet existing cleanup commitments and establish new commitments for cleanup in a timely fashion. At the larger sites, much of the low hanging fruit, the most easily completed work, is done. The remaining cleanup at these sites is more complex and will cost more money. This fact cannot be ignored. Some sites, such as Fernald and Rocky Flats, have completed all cleanup activities. Many remaining sites are facing the most difficult, risk laden, and expensive cleanup activities across the DOE EM complex. There are also sites, such as Paducah, whose end state metrics have yet to be established.

We believe these cleanup obligations must be met in real time, not delayed. Every year DOE needs to honor their current commitments by requesting all funding to support cleanup activities and milestones, and request funding for newly established milestones.

The EM SSAB, comprising about 200 people, is composed of eight regional citizens advisory boards from communities in Georgia, Idaho, Kentucky, Nevada, New Mexico, Ohio, Oregon, South Carolina, Tennessee and Washington. We are cumulatively representative of a stakeholder population totaling millions of people who are affected by generator sites, transportation routes and disposal sites.

Recommendation

The EM SSAB requests that:

- DOE meet its cleanup obligations by requesting all annual funding required to support cleanup activities and milestones at each site we represent to complete committed cleanup activities, without delay.
- DOE expedite milestone establishment, and requests funds for those sites that do not have site end state cleanup milestones in place.

The EM SSAB requests that you share this recommendation with the Secretary of Energy.

Steve Hudson, Chair
Hanford Advisory Board

Herbert Bohrer, Chair
Idaho National Laboratory
Site EM Citizens Advisory
Board

Kathleen Bienenstein, Chair
Nevada SSAB

Carlos Valdez, Chair
Northern New Mexico
Citizens' Advisory Board

David Hemelright, Chair
Oak Ridge SSAB

Ben Peterson, Chair
Paducah Citizens
Advisory Board

William E. Henderson II, Chair
Portsmouth SSAB

Marolyn J. Parson, Chair
Savannah River Site
Citizens Advisory Board

cc: Kristen Ellis, EM-3.2
David Borak, EM-3.2

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Background

The Environmental Management Site Specific Advisory Board (EM SSAB) Chairs note the examples below that illustrate some of the positive benefits resulting from EM remediation efforts such as:

- Fernald, Ohio, where an operational uranium enrichment plant has been deconstructed and the area reconstituted as parkland;
- Oak Ridge, Tennessee, where the East Tennessee Technology Park now occupies the area previously dominated by the K-25 Gaseous Diffusion Plant;
- Rocky Flats, Colorado, where a nuclear weapons production facility has been replaced by flourishing rangeland and now serves as a wildlife refuge; and
- Hanford in Washington state, where the B Reactor Preservation Project has been completed and is under consideration for national historic preservation.

In every case of EM site remediation, the environmental recovery constitutes a powerful example of how the joint efforts of the Department of Energy (DOE) and community leaders have resulted in a return to the local community and to society of areas or facilities previously exposed to and/or contaminated by nuclear activities.

Recommendation

With full recognition of the presence and value of formal public relations and outreach programs within each DOE facility, and building upon these capabilities, the EM SSAB Chairs recommend that DOE:

- Sponsor an independent examination of the remediation efforts of DOE EM, with the intent of producing video clips and/or lengthier documentaries suitable for

public viewing through a variety of platforms and for academic/scholastic purposes.

- Engage the various EM sites in developing and producing such materials (and referencing those that already exist), so that local resources (e.g. local television organizations and academic science programs) may make use of these materials to address local issues and specific concerns.

Such communication tools would help DOE EM to further capitalize on the presentation of past and emerging EM sites to inform the public about cleanup activities at former nuclear sites to maintain and improve support for environmental cleanup.

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