



# PORTSMOUTH EM SITE SPECIFIC ADVISORY BOARD

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

## Proposed Agenda for the January 8, 2015 Board Meeting

### Chair

William E. Henderson II

**6 p.m.**

Call to Order, Introductions

Review of Agenda

Approval of November Minutes

### Vice Chair

Val E. Francis

**DDFO Comments**

**--15 minutes**

### Board Members

Shirley A. Bandy

**Federal Coordinator Comments**

**--10 minutes**

Lisa Bennett

Robert Berry

**Liaison Comments**

**-- 5 minutes**

Maddeline C. Caudill

**Presentation**

**--20 minutes**

Carlton L. Cave

- **Safety Program Overview-Barry Ko, Fluor B&W**

Al Don Cisco

Martha A. Cosby

**Administrative Issues**

**--20 minutes**

Ervin S. Craft

- **Draft Chairs Recommendation-Initiate Process of Permit Modification for Additional Surface Storage at WIPP**

Adrian C. Harrison

Carl R. Hartley

Brian F. Huber

**Subcommittee Updates**

**--5 minutes**

Ryan H. Knight

Sharon E. Manson

**Public Comments**

**--15 minutes**

Daniel J. Minter

Irma C. Payne

**Final Comments from the Board**

**--15 minutes**

Cristy D. Renner

**Adjourn**

### Deputy Designated

#### Federal Official

Joel Bradburne

### DOE Federal Coordinator

Greg Simonton

#### Support Services

EHI Consultants, Inc.

1862 Shyville Road

Piketon, OH 45661

Phone 740.289.5249

Fax 740.289.1578



## PORTSMOUTH EM SITE SPECIFIC ADVISORY BOARD

MINUTES OF THE THURSDAY, JANUARY 8, 2015, SSAB MEETING • 6:00 P.M.

**Location:** The Ohio State University Endeavor Center, Room 160, Piketon, Ohio

**Site Specific Advisory Board (SSAB) Members Present:** Chair Will Henderson, Lisa Bennett, Carlton Cave, Al Don Cisco, Martha Cosby, Ervin Craft, Carl Hartley, Sharon Manson, Dan Minter, Charlene Payne, Cristy Renner

**SSAB Members Absent:** Vice Chair Val Francis, Shirley Bandy, Bob Berry, Carol Caudill, Adrian Harrison, Brian Huber, Ryan Knight

**U.S. Department of Energy (DOE) and Contractors:** Joel Bradburne, Greg Simonton, DOE; Rick Greene, Restoration Services, Inc. (RSI); Julie Galloway, Cindy Lewis, EHI Consultants (EHI); Barry Ko, Deneen Revel, Jim Thompson, Fred Hughes, Jeff Wagner, Marc Jewett, Fluor-B&W Portsmouth (FBP)

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

**Facilitator:** Eric Roberts, EHI

**Public:** Geoffrey Sea, Neighbors for an Ohio Valley Alternative (NOVA); Matt LaBorge, WCS; Pat Marida, Sierra Club; Lee Blackburn, Gene Brushart, David Manuta

Approved by Will Henderson, Board Chair

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Will Henderson

## Call to Order:

**Henderson:** I would like to call the meeting to order.

**Roberts:** I would like to welcome everyone, and I will be facilitating the meeting. There will be a public comment period after the presentations. The board should stay within its defined scope and follow the meeting ground rules adopted.

## January Agenda:

**Roberts:** Are there any modifications or proposed changes to the January agenda?

- **Cosby:** I make a motion to approve the January agenda
- **Cave:** I second the motion
  - **Motion carried, agenda approved**

## November Minutes:

**Roberts:** Are there any modifications or proposed changes to the November minutes?

- **Manson:** I make a motion to approve the November minutes
- **Cosby:** I second the motion
  - **Motion carried, minutes approved**

## DDFO comments provided by Joel Bradburne, Deputy Designated Federal Official:

- Plant Updates
  - X-326 Activity Progress
  - Waste Certification Program Receives Great Review
  - USEC Legacy Waste Shipped Offsite
- Portsmouth DUF6 Conversion Plant Status Update
  - Cumulative MT DUF6 Processed at Portsmouth
  - Increases in plant availability
  - DUF6 Conversion Project: Planned Improvement
- 2011 ASER Summary Released
- Groundwater Remediation Update
- Regulatory Process
- Community Outreach
  - Jackson County SODI Grant
  - FBP Community Outreach
  - FY2014 Mutual Aid
  - Employees raise \$2,600 for ALS
  - Employees raise \$4,800 for Breast Cancer Research
  - North Access Sewer Project
- Upcoming Site Events

*A copy of the DDFO presentation is available on the SSAB web site  
([www.ports-ssab.energy.gov](http://www.ports-ssab.energy.gov))*

<b>Question/Comment:</b>	<b>Answer:</b>
<p><b>Henderson:</b> The slide shows zero lbs. of trichloroethylene (TCE) pumped six thousand gallons, when is it not cost effective to keep pumping?</p> <p>On slide four, talking about the liquids being taken off-site, what contaminants are present in the oils that cause them to not be suitable for reuse or recyclable.</p>	<p><b>Bradburne:</b> The X-623 that is not one that operates routinely. It is intermittent operation you can see groundwater source miscellaneous stuff. So to answer your question, you probably want to look more into the X-624, 627, 622 to see how cost effective it is. With the geology of our site, it is hard to pump and treat anything.</p> <p>These oils get contaminants that come from process gas components like uranium, Tech 99 low levels but it is present therefore not suitable for reuse.</p>

**Federal Project Coordinator comments provided by Greg Simonton, Federal Project Coordinator:**

**Simonton:** None

**Liaison comments provided by Mike Rubadue:**

**Rubadue:** Been quiet for us since the public meeting. We have seen some of the comments come back and working through some of those.

**Liaison comments provided by Maria Galanti:**

**Galanti:** About the same here. Working with DOE on the Deferred Unit work plan to investigate additional soils and groundwater around the site and waiting on a comment letter coming back from DOE, hopefully next week sometime. Other than that, we have been reviewing some of the comments. It has been pretty quiet.

**Safety Program Overview provided by Barry Ko, Fluor B&W:**

- ESH&Q Staff
- Safety Works
- Executive Safety Council (ESC)
- Safety Work Groups
- FBP & Subcontractor Injuries
- Safety Communications
- Safety Initiatives

<b>Question/Comment:</b>	<b>Answer:</b>
<p><b>Hartley:</b> I am a worker trainer. The workers have been expressing many frustrations. Some say they have a post job meeting where they get to express feedback, some of them say after the job the supervisor say they have to get back</p>	<p><b>Ko:</b> If we have a problem what do we tell them to do? Problem reports these are things anybody can submit. The reports are tracked and they do have to provide an answer. They may not be happy with that answer.</p>

<p>to that one, others says they go through all the formal paperwork and submit everything but then there is no accountability, no one individual to go to, to get an answer from. However, they are not getting the answers. They all want to make it better, but there is no one to go to.</p>	<p>What if they don't like the answer? What can they do? Regulator, go to DOE. We also have an employee advocate.</p>
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**Administrative Issues**

**National Chairs Recommendation:  
 Initiate Process of Permit Modification for Additional Surface Storage at Waste Isolation Pilot Plant (WIPP)**

<i>Question/Comment:</i>	<i>Answer:</i>
<p><b>Henderson:</b> This recommendation came out of the National Chairs Fall meeting. We cannot make any changes to it, we can vote yes or no.</p>	
<p><b>Manson:</b> I think we should support this draft recommendation even if they might change the wording a little bit.</p>	

**Manson:** I would like to make a motion to approve the National Chairs Recommendation: Initiate Process of Permit Modification for Additional Surface Storage at Waste Isolation Pilot Plant (WIPP)

**Hartley:** I second the motion to approve.

**Motion carried** (10 approved, 0 opposed, 0 abstained, 0 recused)

**Subcommittee Updates:**

**D&D/Remediation Subcommittee Update by Martha Cosby:**

**Cosby:** The D&D/Remediation Subcommittee met on November 12. The purpose of the meeting was to provide an explanation of the upcoming public meeting.

**Future Use Subcommittee Update by Carlton Cave:**

**Cave:** The Site Optimization and Future Land Use Subcommittee met on November 12. The purpose of the meeting was to give an update on the land transfer.

**Historic Legacy & Community Engagement Subcommittee Update by Sharon Manson:**

**Manson:** The Historic Legacy & Community Engagement Subcommittee met on November 12. The purpose of the meeting was to give a recap on the Science Alliance and Science Bowl planning.

**Public Comment:**

**Blackburn:** Safety not for the individuals working on the site, but in rather the safety of the entire community. The SSAB has been urging DOE for some years now to dig out the on-site landfills and consolidate with any proposed on-site disposal cell to further economic development on the site. DOE has reluctantly agreed to do this, but only for landfills within Perimeter Road. However, landfills within Perimeter Road represent only 45% of total landfill acreage on-site and totally ignore the highly contaminated X-734 sites. X-734 along with X-734a and X-734b cover approximately 17- plus acres north of Perimeter Road. They are believed not to be lined and contain along with other hazards organic solvents including known carcinogens, TCE, ketone. In addition, there are heavy metals-mercury, empty drums that contained hazardous metals in uranium contaminated soils from the X-342 area. DOE's proposed plan for this site-wide waste disposition evaluation project is supposed to be protective of human health, safety and environment, but by leaving the unlined landfills untouched the plan not only risks human health it will likely limit future economic development at the site. I would urge each member of the board to send an e-mail to fbports.com voicing your comments. Thank you.

**Marida:** I am the chair of the Ohio Sierra Club nuclear free committee and I second what Lee has said. We have submitted written comments some time ago supporting alternates, which would be having all current on-site landfills but also those within and outside Perimeter Road be fully excavated and consolidated with waste in the OSDC or waste to be shipped off-site for purposes of being protective of human health and the environment. The Ohio Sierra Club opposes nuclear power and weapons in all forms. They are expensive and dangerous. Do not create anymore waste.

**Manuta:** David Manuta former chief scientist at the site, now president of Manuta Chemical Consulting. Will asked an excellent question about the X-623 and the zero pounds of TCE identified. One of the first things that especially for the six newcomers who are coming up to speed on what went on. The Trichloroethylene was used as a degreaser to clean equipment. It cleans and dissolves everything, problem is unlike most organic solvents it is denser than water is, so there is an issue with the way it migrates. Therefore, if you follow gravity it will go deep. So the question is how deep do you need to go in the soil before you reach the point of no return. There should be some kind of mapping so you have some idea in advance about what you are likely to find and how deep to go.

**Final Comments from the board:**

**None**

**Henderson** adjourned the meeting.

**Next Meeting:** March 5, 2015

**Action Items:**

1. None at this time.

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  
January 8, 2015**

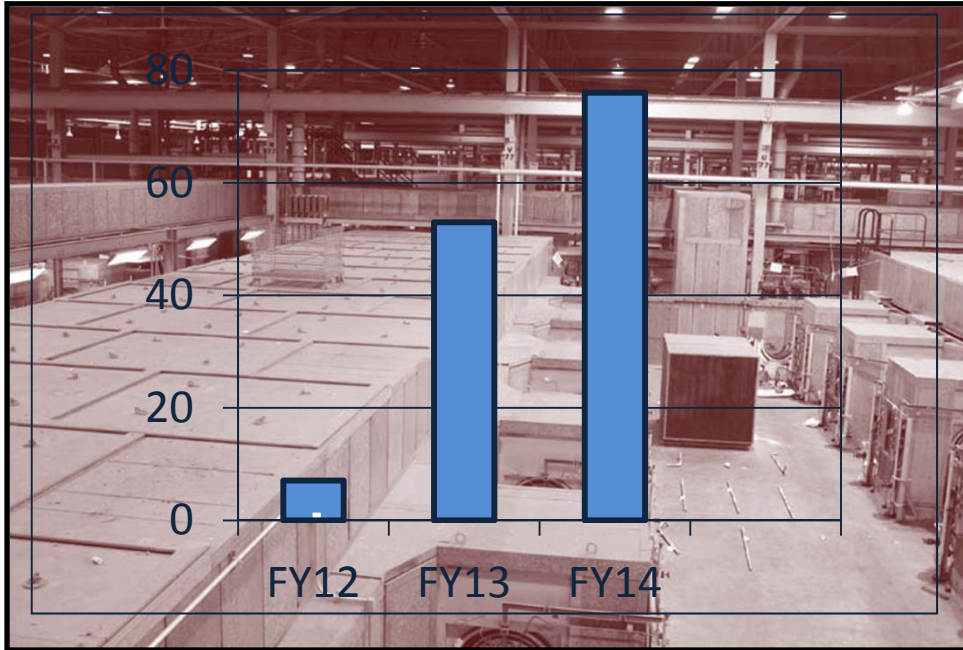


- ▶ Plant Updates
- ▶ Regulatory Decision Making Progress
- ▶ Community Outreach
- ▶ Upcoming Events

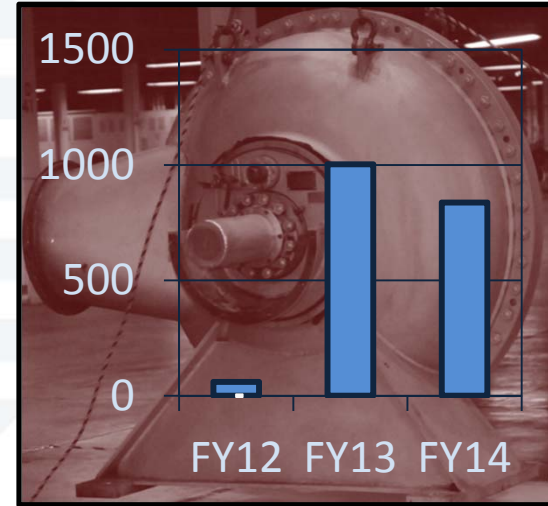




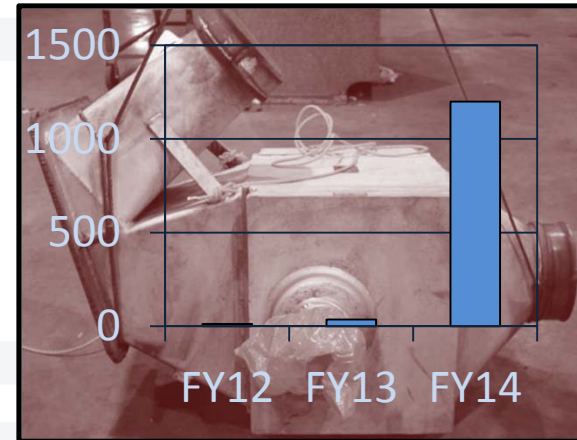
# X-326 Process Building Activity Progress FY Comparison Update



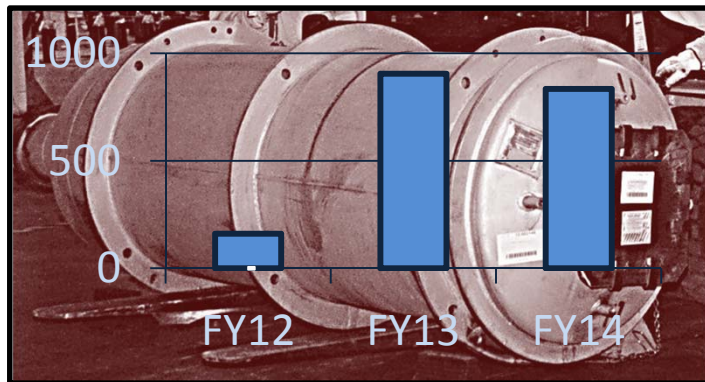
Cell Equivalent



Compressors



Coolers



Converters



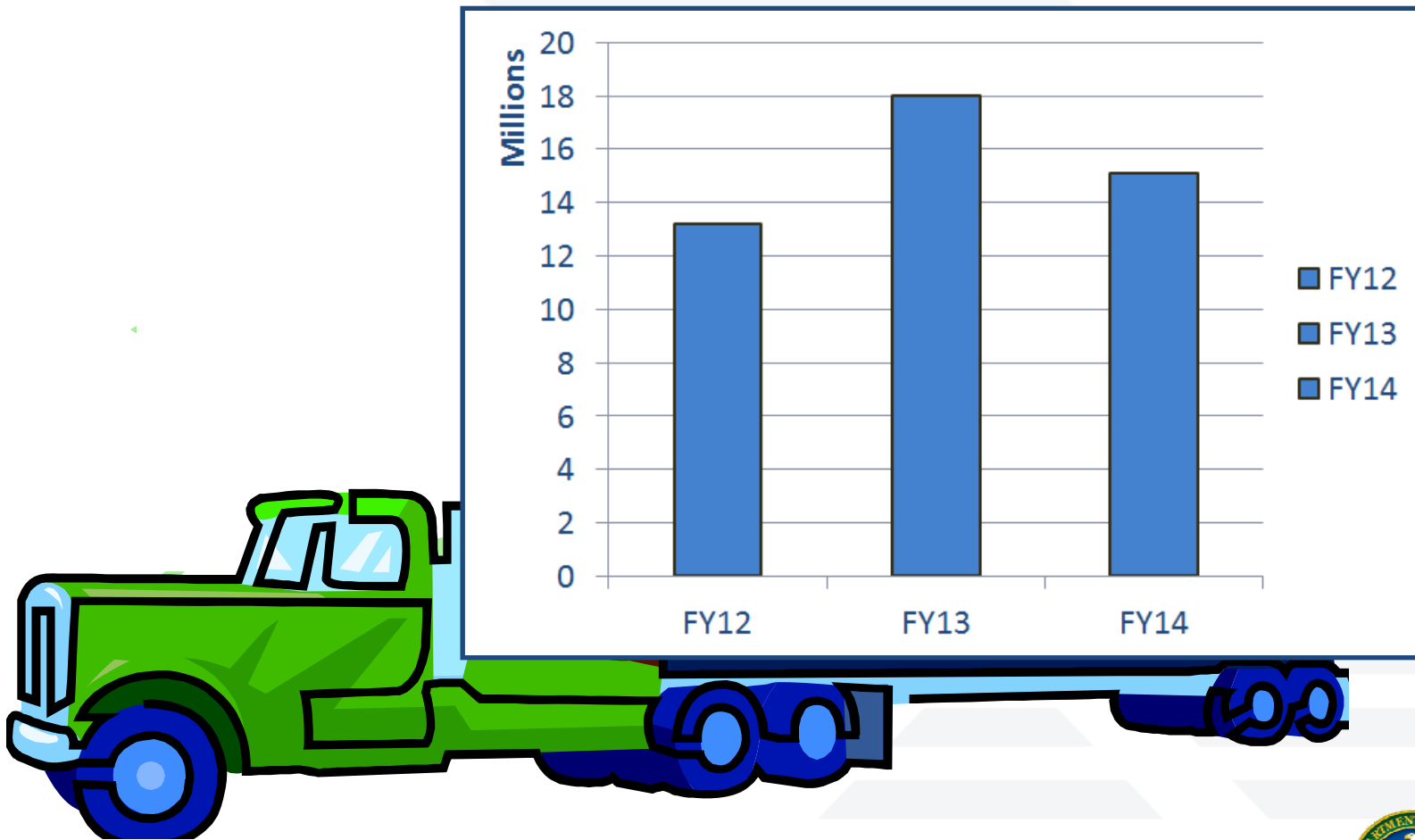
# 60,000 Gallons of Oil Shipped Off-site for Disposal from X-326



# X-705 Decontamination Building



# Shipping FY Comparisons

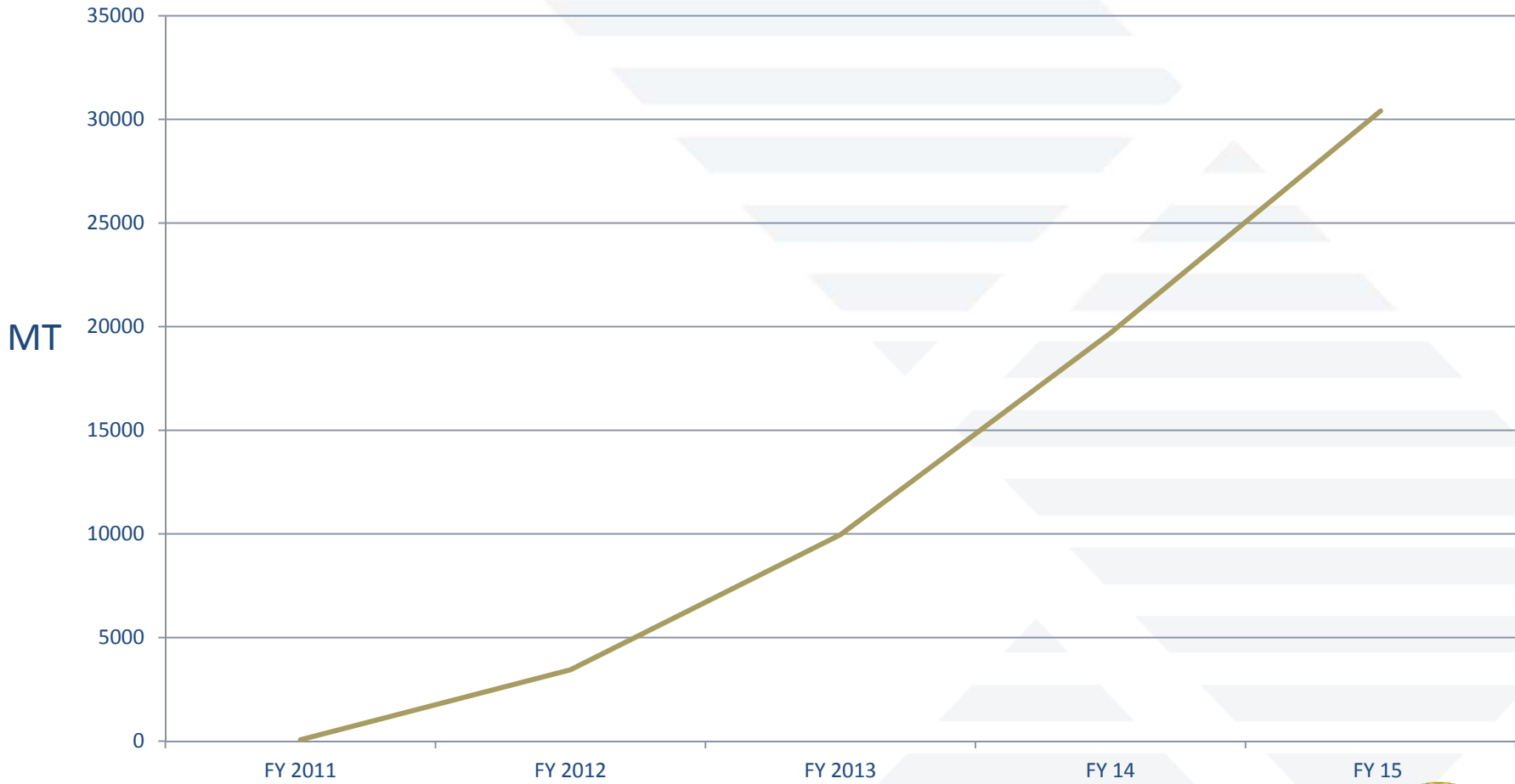




# Portsmouth DUF6 Conversion Plant Status Update January 8, 2015



# Cumulative MT DUF6 Processed at Portsmouth



Through FY 14, processed ~8% of initial Portsmouth inventory





Transitioning from startup to sustained facility availability and predictable production output

## Increases in plant availability:

	<u>PORTS</u>
FY12	26%
FY13	58%
FY14	80%



# Planned Improvements:

Equipment replacement or process improvements to increase output

- Replacement Hydrogen Generation Technology
- Improve Autoclave and Conversion Unit Heating Control
- Streamline Cylinder Modification process and Cylinder Movement
- Optimize Oxide transfer process
- Reduce oxide flow restrictions (e.g., valve, blower and piping changes)








Building	Groundwater Treated FY2015	Groundwater Source	TCE Removed FY2015
X-624	587K Gallons	X-701B Plume	21 lbs
X-623	6K Gallons	Misc. Site	0 lbs
X-627	2,548K Gallons	7-Unit Plume	55 lbs
X-622	2,784K Gallons	5-Unit & X-749/X-120 Plumes & PK Drainage	4 lbs

**Environmental Remediation**





# Regulatory Process Public Comment Period Extended 60 Days

					
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 Decision	Implement Ongoing Corrective Measures (already in place from previous decisions)			Evaluation of Alternatives	

- \* Comments on both Proposed Plans will now be accepted until March, 11 2015
- \* Postcards sent to mailing list
- \* Press release issued to media outlets



# DOE, Fluor-B&W Host Public Meeting on Proposed Plans



# Honoring our Veterans and Serving our Community



# Mutual Aid Training



## Community Tours



**DOE and FBP Host Senator  
Brown's Staff Member and  
Renewable Energy Official**

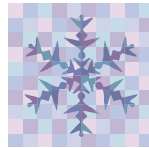


# Employee Holiday Giving

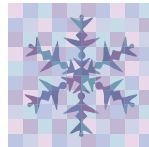




# Upcoming Site Events



**SSAB Full Board Meeting  
Thursday March 5, 2015**



**Public Comment Period for both  
Proposed Plans  
November 12, 2014 to March 11, 2015**

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



# SITE SPECIFIC ADVISORY BOARD (SSAB)

## Integrated Safety Management System



### The Seven Guiding Principles

1. Line management responsible for safety
2. Clear roles and responsibility
3. Competence commensurate with responsibilities
4. Balanced priorities
5. Identification of safety hazards and requirements
6. Hazard control tailored to work
7. Operations authorization

### Five Core Functions and the Seven Guiding Principles



PREPARING THE FUTURE  
**PORTS**  
D & D PROJECT

# ESH&Q Staff


- Safety Engineers
- Radiation Protection
- Environmental Protection
- Industrial Hygienists
- Fire Protection
- Emergency Services
- Quality Assurance
- Medical Staff
- Security




**PORTS SAFETY WORKS**

## Nuclear Facility Safety Tenets

- ✓ Procedure Compliance
- ✓ Questioning Attitude
- ✓ Willingness to Stop
- ✓ Personal Accountability



Integrated Safety Management System



PREPARING THE FUTURE  
**PORTS**  
 D&D PROJECT

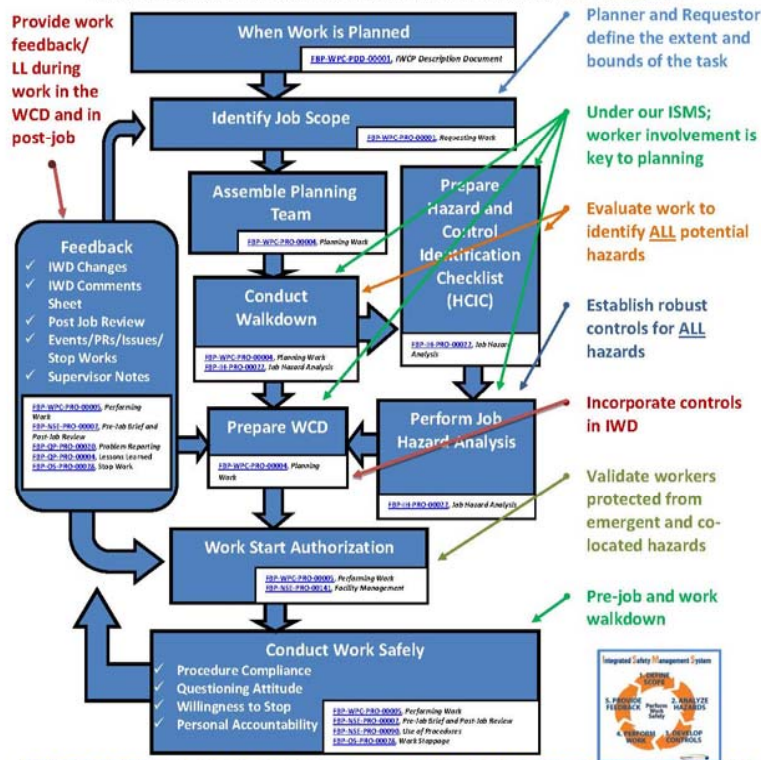
**PORTS SAFETY WORKS**

### DAILY SAFETY SHEET

Vol. 2, Issue 168 • Monday, July 28, 2014

This sheet should be posted for the day on bulletin boards. These topics are for ALL meetings, repeated throughout the day, as the day's safety topics in addition to your own meeting-specific safety issue.

~SAFE WORK SUMMARY FOR THE WORK CONTROL PROGRAM~



**When Work is Planned**  
ERP-WFC-PRO-00001, RWCP Description Document  
 Planner and Requestor define the extent and bounds of the task

**Identify Job Scope**  
ERP-WFC-PRO-00004, Requesting Work  
 Under our ISMS; worker involvement is key to planning

**Assemble Planning Team**  
ERP-WFC-PRO-00006, Planning Work

**Prepare Hazard and Control Identification Checklist (HCIC)**  
ERP-08-PRO-00022, Job Hazard Analysis  
 Evaluate work to identify ALL potential hazards

**Conduct Walkdown**  
ERP-WFC-PRO-00008, Planning Work  
 ERP-18-PRO-00022, Job Hazard Analysis  
 Establish robust controls for ALL hazards

**Perform Job Hazard Analysis**  
ERP-18-PRO-00022, Job Hazard Analysis  
 Incorporate controls in IWD


**Prepare WCD**  
ERP-WFC-PRO-00006, Planning Work

**Work Start Authorization**  
ERP-WFC-PRO-00009, Performing Work  
 ERP-18-PRO-00044, Facility Management  
 Validate workers protected from emergent and co-located hazards

**Conduct Work Safely**  
ERP-WFC-PRO-00009, Performing Work  
 ERP-18-PRO-00007, Pre-Job Brief and Post-Job Review  
 ERP-18-PRO-00008, Use of Procedures  
 ERP-08-PRO-00022, Work Stoppage  
 Pre-job and work walkdown

**Feedback**  
 ✓ IWD Changes  
 ✓ IWD Comments Sheet  
 ✓ Post Job Review Events/PRs/Issues/Stop Works  
 ✓ Supervisor Notes  
ERP-WFC-PRO-00006, Performing Work  
 ERP-18-PRO-00007, Pre-Job Brief and Post-Job Review  
 ERP-08-PRO-00022, Problems Reporting  
 ERP-08-PRO-00022, Lessons Learned  
 ERP-08-PRO-00022, Stop Work

**Integrated Safety Management System**



Please submit safety-related topics in brief to Trina Dickerson, ext. 2334, [trina.dickerson@fbports.com](mailto:trina.dickerson@fbports.com).  
 For archived back issues of the Daily Safety Sheet, see "Daily Safety Sheet" under "Category List" on the Fluor-B&W Intranet.

# Executive Safety Council (ESC)

## Leadership:

- Environmental Management System
- Worker Safety and Health Program
- Radiation Protection Program
- Quality Assurance Program
- Performance Assurance Program
- Nuclear Safety Program

## Committees:

- ALARA Committee
- Plant Operations Review Committee (PORC)
- Operations Committee
- Training Advisory Committee
- Company Employee Safety Team
- Corrective Action Review Board (CARB)

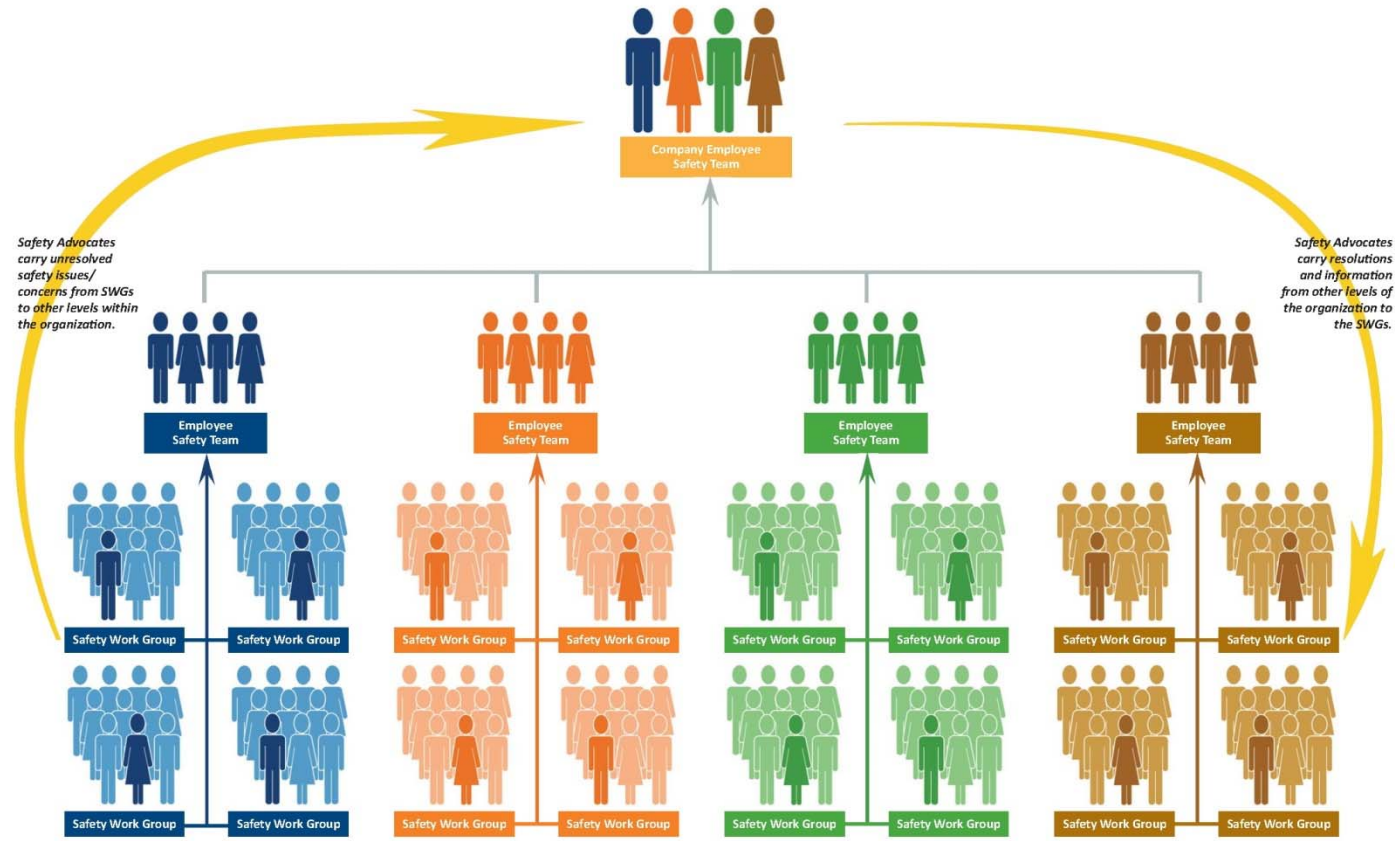
## Subcommittees:

- Lighting Conditions/Walking Surfaces
- Traffic Control
- Rewards & Recognition
- Communication
- Health and Wellness

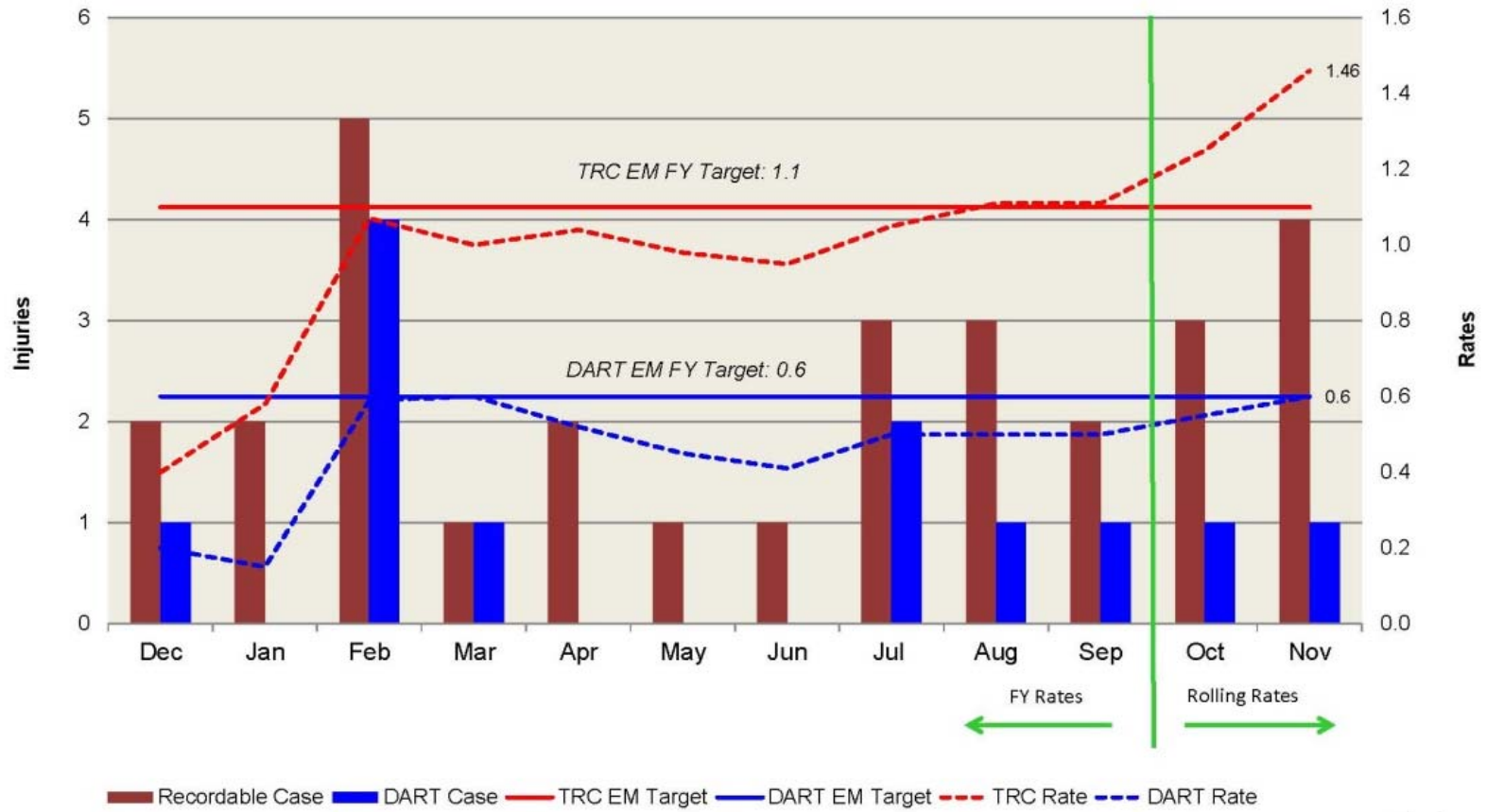


# SAFETY WORK GROUPS

## Fluor-B&W Portsmouth Employee Safety Teams



FBP & Subcontractor Injuries  
 Rolling 12-Month TRC & DART Rates



12/09/14

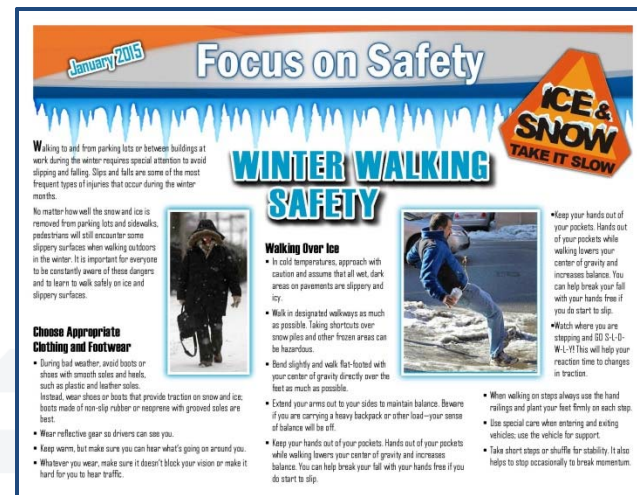
# Safety Communications

- Daily Safety Sheet
- Safety "ALERT"
- Fluor-B&W Email Communications
- Fluor B&W Newsletter Safety Page
- Focus on Safety Monthly Poster
- Focus on Safety Monthly PowerPoint
- 411 on ISMS

Integrated Safety Management System

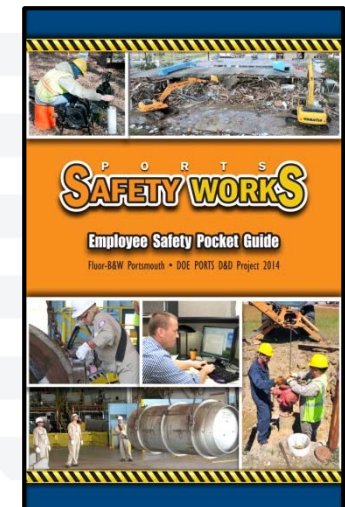
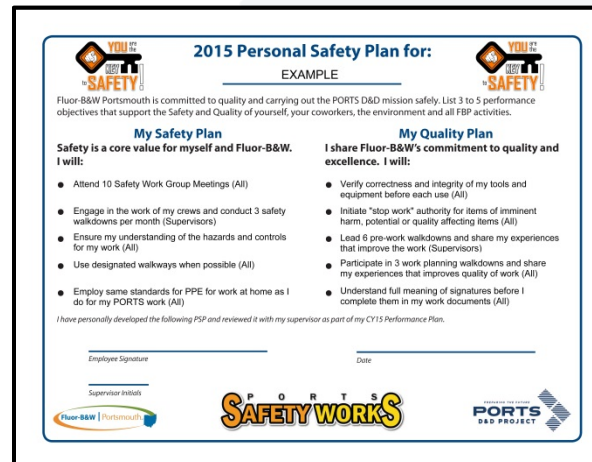


5/15/2015



# Safety Initiatives

- “YOU are the KEY to SAFETY” Campaign
- Critical Walkways Map
- 2015 Personal Safety Plan
- Nuclear Facility Safety Tenets
- Employee Safety Pocket Guide





# Safety Initiatives

- Safety Start-up – Discuss recent injuries
- Winter Focus Areas
- Hi-visibility Vests and Winter Gloves
- Safety and ISMS “Blitz”
- Safety Award Store
- Health and Wellness Programs



5/15/2015

