Project Overview
Ryan Dodd
Contract Terms

- Cost-Plus-Award-Fee, completion type contract with contract period beginning August 29, 2011
  - Services to be provided include but are not limited to:
    - Project management and support services
    - Site operations maintenance, utilities
    - High-level waste canister relocation
    - Facility disposition
    - Waste tank farm management
    - NRC-licensed disposal area management
    - Waste management and nuclear materials disposition
    - Safeguards and security

Milestones

- Process, ship and dispose of all legacy waste off-site – November 30, 2014
- Complete high level waste (HLW) canister relocation – July 1, 2015
- Demolition and removal of the Main Plant Process Building (MPPB) and the Vitrification Facility (VF) – August 28, 2017
- Complete all work described in the Performance Work Statement – August 28, 2017
Management Approach – First 90 Days

- Contractor changeover can be distracting and challenging for the workforce:
  - Uncertainties and anxieties are high
  - Historically, safety performance deteriorates during this period
  - Increased risk of serious injury or incident
- First 90-days, “The Focus is Safety” Program
  - Train, brief, and seek worker feedback
  - Focus on improving workplace safety by eliminating hazards
  - Good housekeeping will remove combustibles and eliminate slip, trips, and fall hazards
  - Goal is to get to know and understand the workforce
  - Explain who we are and what our expectations are for people at every level of the organization
- The partnership developed will result in a safer work environment

Meet the Team

Project Leadership
Ryan Dodd
General Manager

Regulatory
Manager
John Hentall

Safety
Director
Dan Goyne

Chief Engineer
Aileen Upshaw

EHQ Manager
B.P. Shaguda

Nuclear Operations
Manager
Hahtolly Dukes

Waste Operations
Manager
Ray Geirm

Business Manager
Jen Callimore
ESH&Q Overview
BP Shagula

ESH&Q Staffing and Organization

BP Shagula ESH&Q Manager
  ├── Radiological Controls Manager
  │    └── Environmental Manager
  └── Safety Manager
      └── QA Manager
          └── Emergency Management Coordinator
  └── Safeguards & Security
      └── Performance Assurance
Quality

• Quality is important because it ensures we have done things correctly and compliantly
• Modification of current documentation due to the change in contractual requirements and scope of our work

Safety and Health

• Ensure safe, compliant work
• Focus on hazard prevention
• Oversight
• Focused inspections
• Advocate
Environmental

• Stewards for future generations
• Environmental compliance
• Environmental certification
• Environmental database

Safeguards & Security

• Personnel
• Facility
• Information
• Security awareness campaign
Rad Con

• One of the ‘Big Six’
• Support the projects
• Reduce likelihood of events
• Emergency Response

Emergency Management

• Preparedness
• Assess needs
• Realistic exercises
• New technology
Performance Assurance

• Contractor assurance
• Leading indicators
• Lagging indicators
• Tracking and trending
• SAC

Facility Disposition Overview
Dan Coyne
Facility Disposition Milestones

- Demolish MPPB
- Demolish Vitrification Facility
- Demolish 60+ Balance of Site facilities

How do we get there?

Characterize facility
Establish end-state (with regulators)
- Generate work planning documentation
- Regulatory documentation
- Engineering
- Planning
- Work package development
- Hazards analysis
- Controls developed
- Training completed
- Walk-down performed
- Lessons learned incorporated
- Remove source term
- Hazardous waste, asbestos, PCBs, etc.
- RCRA constituents removed (lead, mercury)
- Liquids drained & disposed
- Implement safety controls
- Implement engineering controls
- Systems drained
- Temporary power installed
- Strip-out of systems
- Implement worker protective gear
- Structural decontamination or removal as appropriate
- For buildings/support outside the MPPB & Vitrification facilities footprint, demolish to 2 ft below 100 ft elevation, sample, & backfill
- End-state achieved
Initial Facility Disposition Activities

• Develop framework for Facility Disposition Project
  – Establish interfaces between Nuclear Operations and Storage and Waste Operations
  – Integrate ESH&Q functions into all facets of the organization
• Work with Waste Ops and Nuclear Ops on an early plant clean-up campaign of miscellaneous waste items and debris
• Characterize MPPB and Vit plant to commence early end-state planning
**Waste Volumes to be Shipped**

<table>
<thead>
<tr>
<th>Waste Type</th>
<th>Anticipated Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low Level Waste</td>
<td>1,600,000 ft³</td>
</tr>
<tr>
<td>Mixed Low Level Waste</td>
<td>7,500 ft³</td>
</tr>
<tr>
<td>Hazardous Waste</td>
<td>6,000 ft³</td>
</tr>
<tr>
<td>Industrial Waste</td>
<td>980,000 ft³</td>
</tr>
<tr>
<td>Sanitary Waste</td>
<td>30,000 ft³</td>
</tr>
</tbody>
</table>

**Waste Milestones**

- Prepare and ship all Legacy waste offsite by November 2014
- Complete processing of TRU
- Upgrade RTS Drum Cell for long term TRU waste storage
- Relocate all TRU to RTS
Initial Waste Operations Activities

• Re-establish RHWF operations
• Begin shipping legacy low-level waste
• Evaluate condition of stored waste for compliance, container integrity and disposition
• Maintenance and upkeep on waste storage areas
  – Fix building deficiencies
  – Crush empties
  – General maintenance and housekeeping

Initial Waste Operations Activities

• Develop framework for WGS organization
  – Establish interfaces between waste generators and Waste operations
  – Support characterization of waste for the planned D&D to ensure disposition path
• Work with BOSF on an early plant clean-up campaign of miscellaneous waste items and debris
• Review WIR documents and status outstanding action and path forward
• Initiate activities toward shipment of Melter, CFMT and MFHT
# Nuclear Operations and Storage (NOS)

Heatherly Dukes

## Near-term Innovations/Changes

<table>
<thead>
<tr>
<th>Innovation</th>
<th>Timeframe</th>
</tr>
</thead>
<tbody>
<tr>
<td>New PSO Hub/Enhanced Monitoring</td>
<td>FY12</td>
</tr>
<tr>
<td>New Computerized Maintenance Management System</td>
<td>Dec 2011</td>
</tr>
<tr>
<td>New Laundry/PPE Approach</td>
<td>Nov 2011</td>
</tr>
<tr>
<td>Day Shift PSO Complement</td>
<td>Dec 2011</td>
</tr>
<tr>
<td>Numerous facilities taken cold, dark, and dry</td>
<td>2012/2013</td>
</tr>
</tbody>
</table>
HLW Canister Storage Project

- Build new canister storage pad/upgrade road
- Complete Main Plant Mods
- Relocate HLW Canisters

Two alternatives for storage

Initial Nuclear Operations Activities

- Establish new protocol for Conduct of Operations/shift complement
- Initiate HLW canister project planning
- Begin end-points planning/process for buildings going cold, dark and dry
- Begin planning 8D-4 Tank characterization
Final Nuclear Operations Activities, Continued

- Initiate planning for enhanced wireless monitoring/new PSO Control Room
- Implement new CMMS process
- Rearrange warehouses / move fab shop
- Plan for laundry shutdown/new PPE approach
- Align programs and procedures for contract compliance

QUESTIONS?