Safety Performance

<table>
<thead>
<tr>
<th>Metric</th>
<th>January FY 2011</th>
<th>February 2012</th>
<th>CHBWV Goal FY 2012</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Recordable Case (TRC)</td>
<td>0</td>
<td>0</td>
<td>≤ 2 recordables</td>
</tr>
<tr>
<td>Days Away, Restricted, or Transferred Case Rate (DART)</td>
<td>0</td>
<td>0</td>
<td>≤ 1 Days Away, Restricted, or Transferred Case</td>
</tr>
<tr>
<td>First Aid Cases</td>
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<td>0</td>
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</tbody>
</table>

CHBWV has worked 279,741 work hours without a lost-time work accident. WVDP has worked 4,279,741 million hours since last lost time accident.
Main Processing Plant Accomplishments

- Completed removal of instruments and tubing in the Upper Extraction Aisle (UXA)
- Initiated asbestos abatement in the Mass Spec Lab
- Documentation for 14 high hazard cells/areas reviewed for radiological characterization

Cleared UXA of instruments and tubing

O1-14 Building Accomplishments

Completed
- Asbestos sampling
- Electrical isolation of the main materials characterization center (MCC)
- Temporary power installation
- Preparations for ammonia tank removal
- Preparations for cutting access into waste dispensing cell

Electrical Isolation of Main MCC
Site Operations Accomplishments

- New PSO Hub installed, wireless, and occupied
- 8D-4 Characterization Sampler built and readied for mock-up (now in progress)
- Vehicle repair shop (VRS) emptied, critical equipment relocated, and paper drafted for utility isolations

![Emptied Vehicle Repair Shop](image1)

![Tank 8D-4 Sampler/Mockup](image2)

HLW Canister Storage Accomplishments

- Mobilized and completed drilling for deep bore soil sampling for sub-surface soils characterization report for HLW interim canister storage area/pad
- Removed 14 drums and 2 lines from Chemical Process Cell (CPC)

![Boring of Sub-Surface Soils](image3)
Waste Operations Accomplishments - Waste Shipping

- Shipped 33 trucks of Legacy LLW to National Nuclear Security Administration Nevada Operations
  - 40,000 ft³ since contract start
  - 6 months ahead of schedule
- Completed ALL legacy hazardous waste shipments and closed storage lockers
- ~161 ft³ of LLW liquid waste was disposed of onsite through the interceptor
- Shipped 623 cubic feet of low-level mixed waste (2 shipments)

Waste Operations Accomplishments - Waste Processing, continued

RHWF
- Processed Box12-4490-V at RHWF
  - The material was removed, size reduced, and packaged as TRU waste
  - 4 drums of TRU waste placed into Kistner box and moved to LAG storage

LAG Facility
- Drum crushing
- 6 B25 boxes have been generated
Waste Operations Accomplishments - Vitrification Facility, continued

Process/package Submerged Bed Scrubber (SBS)
- Target completion by April 30

Size reduction and packaging of miscellaneous materials
- Packaged 11 drums for removal
- Completed removal of 8 drums of waste from Vit Cell

Waste Operations Accomplishments - Chemical Process Cell, continued

CPC Cleanup: Critical Path Activity
- Removed 145 ft³ of Remote-Handled/Contact Handled (RH/CH) TRU waste from Cell Building
- Relocated 9 RH-TRU Drums In-Cell
Waste Operations Challenge – Remote Handled TRU Waste

- Debris from spent fuel head-end processing
- Dose up to 4,100 R/hr
- Fissile gram equivalent (FGE) as high as 4 kg
- Two drums may have intact fuel elements (Spent nuclear fuel)
- WVDP does not have a defense determination
- Contract specifies DOE N435.1 packaging instructions

Waste Operations Challenge
HLW Melter (CFMT/MFHT), continued

- Waste Incidental to Reprocessing (WIR) Evaluation in place for the melter
- Not in Type B Casks (IP2)
- Melter not grouted (yet)
- Estimated melter shipping weight: ~380,000 lbs
- Exceeds standard allowable railway dimensions
WVDP Look Ahead

- Continue to work safely and compliantly
- Select best proposal for HLW canister relocation storage system
- Complete packaging/removal of waste in the CPC
- Reduce site GSA fleet by three vehicles
- Canal dredging and engineering for dam repairs, design for NDA North Slope armoring, and wireless remote monitoring of dam areas
- Receive demolition equipment on site – April 15, 2012
  - Demolish WTF Test Tower, TSB Slab, Product Storage Area, and Hazardous Waste Lockers – June 30, 2012
- Process SBS – Target completion by April 30
- Department of Transportation exemption for the melter – Submittal May 31