A Year in Review

Citizen Task Force

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January 28, 2015

2014 Safety Achievements

- 1.16+ Million Safe Work Hours without a Lost Time Accident (Since October 2013)
- No Personnel or Clothing Contaminations
- No Intakes or Unplanned Radiological Exposures
- No Recordable Injuries for 2014.
- Total Recordable Case Rate (TRC) of 0.0 – The lowest in the DOE Complex for similar type work

Don VanDermeer (L) and Dan Coyne (R) accept VPP Star of Excellence Award from DOE-WVDP Director Bryan Bower
Milestone 1 – HLW Canister Relocation & Storage Project

Major 2014 Accomplishments
• Constructed HLW Cask Storage Pad
• Procurement and delivery of equipment needed to package and relocate 278 canisters
• Fabrication of first 16 Vertical Storage Casks (VSC) and 8 overpack containers
• Developed canister decontamination process
• Developed and submitted 10 CFR 71 (Packaging and Transportation of Radioactive Material) amendment for NRC approval
Milestone 1 – HLW Canister Relocation & Storage Project

Automatic Welding System (AWS) Delivered and Tested

Vertical Cask Transporter (VCT) and Tugger Delivered and Tested

8 Overpacks Fabricated and Fit Tested

Loading HLW Overpack into VSC
Milestone 1 – HLW Canister Relocation & Storage Project

Canister Decon System

Load-In Facility (LIF) Runway Installed

Milestone 2 – Legacy Waste Operations

Major 2014 Accomplishments

- Completed removal of first 80 drums of TRU waste from the Chemical Process Cell
- 56 drums of mineral oil were shipped off-site for treatment and disposal
- Processed 119 legacy waste contact-handled waste containers
- Processed legacy waste in Remote-Handled Waste Facility
- Initiated preparations for shipment of Melter and components
- Shipped 3,000 cubic feet of legacy waste (4 shipments)
- Shipped 71,228 cubic feet of newly generated waste (78 shipments)

Legacy Waste Inventory:

- 56% reduction of Legacy Low-Level Waste
- 79% reduction of Legacy Mixed Low-Level Waste
- 100% Off-site shipment of all Legacy industrial and hazardous waste
Milestone 2 – Legacy Waste Operations

Legacy Waste Repackaging (Sorting and Consolidation)

Waste Box Foaming

Waste Packaging and Shipments
Milestone 2 – Legacy Waste Operations

Vitrification Components

Milestone 3 – Main Plant Process Building and Vitrification Facility

2014 Major Accomplishments

Five crews continued hazard reduction work to support future demolition

- Completed debris & excess equip. removal, gross decon (16,800 sf), radiological surveys, and stabilization of 391 wall penetrations of the Vitrification Cell
- Liquid Waste Cell (LWC) – Removed raschig rings from 2 of 2 tanks, deconned 4 of 9 tanks, diamond wire cut 4 of 11 concrete hatch s into the cell
- Asbestos-Containing Material activity – Completed removal in the Plant Office, completed sampling of MPPB/Vit roof and exterior
- Off-Gas Trench – Completed pipe removal (1700 lf) from south side of Load In/Load Out to 01-14 Bldg. interface
- Analytical Hot Cells (6 each) – Completed removal of all loose items, work tables, and gross deconned the Sample Storage Cell. Removed 6 excess manipulators
- Extraction Cell (XC)-1 – Size reduced 3 Extraction Vessels 4C-1, 4C-2, and 4C-3 and 2 pots 4Y-5 and 4Y-6
- Off-Gas Cell (OGC) – Commenced waste load-out of loose items
- Head-End Ventilation (HEV) Replacement Ventilation – Erected building & installed main power electrical feed
Milestone 3 – Main Plant Process Building and Vitrification Facility

- Liquid Waste Cell Cleanout (MPPB)
- Vitrification Cell at the Start of Cleanout
- Vitrification Cell After Load Out
- High Pressure Wall Washing (Vitrification Facility)
- Deactivated Major Portions Off-Gas Trench

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Milestone 3 – Main Plant Process Building and Vitrification Facility

3rd Floor Office Building
Cleared of all Asbestos-Containing Material (ACM)

Remote Material Removal from Extraction Cell 1 was Initiated
2014 Major Accomplishments
• Erosion damage to the Lake 1 spillway was repaired
• Eighteen foot Buttermilk Creek culvert was refurbished
• Lake 2 gate valve was repaired
• Lake 2 dam was repaired
• Two new water wells were installed on site for potable water
• Critical E-lab equipment was relocated to a new ground level office (GLO)
• Ditch cleaning and vegetation removal was completed across the site
• Demolished the Con-Ed Building

18-foot Buttermilk Creek Culvert Repair
Milestone 4 – Balance of Site Facilities

Lake 2 Dam Repair

Milestone 4 – Accomplishments

Lake 1 Spillway Repairs (Before, During, After)
Milestone 4 – Balance of Site Facilities

Con-Ed Building Demolition

Con-Ed Building Restoration After Demolition

Community Support

• Delivered more than 125,000 pounds of food to nine local food banks (to date, WVDP has donated more than 1.5 million pounds of food)
Community Support

- Eagle Scout Projects
- Springville Library After-School Reading Program
- Roswell Cancer Center
- Rocky Mountain Elk Foundation
- Hats and gloves for the homeless
- Toys for Tots
- Town of Ashford sponsor for school softball team
- Springville Boys and Girls Club
- United Way (employee deductions and CHBWV match)
- Provided six college scholarships to local students
- Major contributor for Springville Town Clock
- Support for local Veterans and their families

Eagle Scout Project - Suburban Adult Riding Program for Children with Developmental Disabilities (Built a Horse Shelter)

2015 CHBWV Goals

- Safe, compliant and cost efficient work performance
- Initiate relocation of 275 HLW canisters to temporary storage on the HLW Pad
- Vitrification Facility deactivation
- Commence relocation of the Melter
QUESTIONS?