April 29, 2013

**Proposed Agenda**  
For  
**New Mexico Environment Department Visit**  
Idaho National Laboratory  
April 30 – May 1, 2013

**Purpose:** Provide overview of contact-handled (CH) and remote-handled (RH) transuranic waste (TRU) repackaging, characterization and shipping facilities and observe the assembled Idaho Cleanup Project (ICP) sodium distillation system and planned installation location.

**Proposed Agenda:**

**Monday, April 29: Travel to Idaho Falls, ID**

**Tuesday, April 30: Tour TRU Facilities:**

- 0700: Badging at Willow Creek Building in Idaho Falls
- 0715: Leave Willow Creek Building for INTEC
- 0815: Arrive INTEC for TLD (CPP-663)
- 0830: Tour CPP-666
  - Overview of FDP Hot Cell Operations
  - Location for Sodium Distillation System Installation
- 0915: Arrive INTEC CPP-659 for TLD
  - Waste Characterization (RTR/DTC)
  - Decontamination Hot Cell (repackaging, sampling)
  - 72 B Cask Loading
- 1015: Leave INTEC for RWMC
- 1030: Tour Accelerated Retrieval Project (ARP) Areas
  - ARP V Sludge Repacking
  - ARP VII Buried Waste Exhumation Facility (Standby)
- 1130: Lunch at RWMC
- 1215: Proceed to AMWTP
- 1230: AMWTP Project Presentation WMF-1613
- 1300: Tour AMWTP Treatment Facility
- 1400: Tour AMWTP TSA-RE
- 1500: Tour AMWTP Treatment Tents
- 1530: Leave AMWTP for Idaho Falls
- 1630: Arrive back at Willow Creek Building

**Wednesday, May 1: Sodium Distillation/Discussions**

- 0800: Leave Idaho Falls for Blackfoot
- 0845: Arrive at Premier Technology
- 0900: Safety Briefings
- 0915: Sodium Distillation Overview
- 0930: Travel to Sodium Distillation- Building Out Back
- 0945: Tour and Explanation of Sodium Distillation System
  - System Components and Operation
  - Status of Testing.
Figure 2. Sodium distillation process system.
Lot 6&7 Repackaging Process Flow (Draft for discussion purposes only)

Lot 6 & 7 Canisters
- Sort & segregate Contents into 5 areas
- Visual evidence of Na
- Prep for distillation
- Distillation
- Size
- 30-gallon product drum
- RCRA Storage

Non-combustible debris
- (not identified as Na based on AK)
- Non-combustible debris
- (Na is present Based on AK)
- Remediate debris
- Canisters
- 5 areas Na based on AK)
- Visual Evidence of Na
- Distillation
- Size
- Sodium by-product
- Reactive
- Subject to water spray or immersion
- 30-gallon product drum
- Offsite disposal (and treatment) MLLW

Combustible debris
- Visual Evidence of Na
- Reactive
- Mix 5:1 with Met-L-X
- Rake and stir in air until reaction complete
- 30-gallon product drum
- 30-gallon product drum
- 30-gallon product drum
- 30-gallon product drum

Fines
- Water immersion to completion
- 30 minute air
- 30-gallon product drum

Fuels & Fuel-like pieces
- Water immersion to completion
- 30 minute air
- 30-gallon product drum

*Fissile Gram Equivalent
Yellow = Argon Repackaging Stations (ARS)
Orange = Repack Table
Green = DNI Room SB-8
Blue = Can in/Can out current process

4/30/2013