National Cleanup Workshop
September 12, 2018

Waste Isolation Pilot Plant
Construction of New Ventilation System
Todd Shrader
Manager, Carlsbad Field Office
• Total Shipments received (since 1999)
  - 12,251
• Shipments since restart
  - 357
• Averaging 8-10 shipments/week
• Preparing to ship from Argonne National Laboratory
• In the future, get back to RH waste emplacement and continue ramp-up of CH waste shipments
Why a new Ventilation System

- 2050 current mission timeframe
- Numerous systems original to the facility
- Current air flow is inadequate to support full scale daily operations today & in the future
What makes up this project?

- $288M of scope
- New Filter building
  - (55,553 sq ft)
- Salt Reduction Building
  - (24,960 sq ft)
- Fabrication Facility
  - (12,000 sq ft)
- Installation of a trailer complex
- Demolition of existing ventilation system
Critical Decision (CD) Status

Safety  Significant Confinement Ventilation System

- CD-0 Approve Mission Need
- CD-1 Approve Alternative Selection and Cost Range
- CD-2/3
  - Approve Performance Baseline
  - Approve Start of Construction
  - Received approval on May 10, 2018
- CD-4
  - Approve Start of Operations or Project Completion
  - November 2022
Bruce Covert
NWP President and Project Manager
SSCVS Groundbreaking

• Assistant Secretary for Environmental Management
  ○ Anne White, June 14, 2018
What are we doing now?

- Obtaining long lead procurement equipment
- Completed grading for the Trailer Complex and Pond for SSCVS
- Evaluating bids for majority of the SSCVS work
- Award construction contract
  - October 2018
- Start building construction
  - December 2018
- Operational Turnover
  - May 2021
SSCVS Overview

- **New Filter Building**
  - 22 - 27,000 CFM Safety Significant HEPA filters
  - 125 ft. Exhaust Stack
  - 2 - 3,000 KW Standby Diesel Generators
  - 6 - 1,000 HP Fans

- **Existing Exhaust Shaft**
  - 7 Dedusters and Demisters
  - Salt Reduction Building

- **Total Airflow – 540,000 CFM**

- **Existing Exhaust Shaft**
Questions?
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