



U.S. DEPARTMENT OF
ENERGY

OFFICE OF
**ENVIRONMENTAL
MANAGEMENT**



The Individual Permit as Applied to Cleanup

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ENVIRONMENTAL MANAGEMENT
SAFETY ♦ PERFORMANCE ♦ CLEANUP ♦ CLOSURE



Coordination of Soils Cleanup with IP Program

- Created an integrated project team of members of the Resource Conservation and Recovery Act (RCRA) Remediation Program and the Individual Permit (IP) Surface Water Corrective Actions Program in spring 2018
- Objective is cost-effective compliance with Site Monitoring Requirements
- Coordination
 - Installation of engineering controls
 - Soil sampling
 - Remediation campaigns
- Goals
 - Proper removal of sites from IP
 - Certificate of completion with or without controls
 - Decrease in the number of monitored sites, per contract commitment
 - Increased communication and discussion between the two groups





Coordination of Soils Cleanup with IP Program

- Accomplishments to date
 - Re-evaluation of priority sites
 - Due to PCB exceedance at CHQ-SMA-4, N3B Environmental Remediation (ER) is planning to add additional soil sampling to Solid Waste Management Unit (SWMU) 33-011(e) during the Chaquehui Canyon Aggregate Area Investigation in 2019
 - Due to PCB exceedance at A-SMA-3, associated with SWMU 39-002(b) and 39-004(c), potentially take an appropriate early action
 - Due to copper exceedance at PJ-SMA-5, associated with SWMU 22-015(c), additional discussions are planned on how to address the exceedance
 - Increased communication between IP and RCRA remediation programs
 - Awareness of IP Controls
 - Awareness of SWMUs and Areas of Concern
 - Coordinated site visits to collocated areas of interest





Environmental Remediation Recent Accomplishments

Aggregate Areas - Site characterization and remediation are complete at:

- TA-46 (SWMU 46-004[q])
- TA-50 (SWMU 50-006[d])
- TA-02 Omega Site (SWMU 02-014)

TA-21

- Field work has begun on the TA-21 Clean Sweep Project

Material Disposal Areas (MDAs)

- Continuing development with DOE on overarching Strategy Framework for decision-making on MDA remediation and closure, with substantial public participation





Drilling

- R-69 was completed in November; 'Baski' downhole sampling system was installed this month.

Chromium Remediation

- Cr treatment system has continued operating at ~150 gallons per minute (gpm), with CrEX-1 and CrEX-2 at ~70-80 gpm, each.
- 20.3 million gallons of water treated
- Studies of potential remediation options are underway





Groundwater and Storm Water Monitoring

- 848 storm-event-driven, best-management-practice (BMP) inspections conducted at 250 unique Site Monitoring Areas (SMA)
- Storm event is precipitation greater than or equal to 0.25"/30 minutes
- 1,129 sampler inspections conducted at 148 unique SMAs
- 19 groundwater monitoring campaigns completed

General

- Submitted 53 Consent Order (CO) deliverables through the end of December 2018, in addition to CO milestones
- 20 milestones are identified for FY2019





- South Ancho and Chaquehui Canyon Aggregate Areas investigation and cleanup
- Cleanups at 3 additional Known Cleanup Sites
- TA-21 Industrial Waste Lines removal
- Bldg. 21-257 D&D
- TA-21 DP West slabs removal
- R-69 system testing and sampling, and RDX Investigation Report
- Drilling of well R-70 (chromium) and continued evaluation of Cr IM results
- Vapor monitoring at MDAs C & L
- MDA C Corrective Measures Evaluation (CME) review by NMED and resulting Statement of Basis





Work underway on ten of the Consent Order campaigns

- A) Chromium Interim Measure and Characterization
- B) Historical Properties Completion
- C) RDX Characterization
- D) Supplemental Investigation Reports
- E) TA-21 D&D and Cleanup
- G) Known Cleanup Sites
- H) MDAs A & T Remedy
- J) Southern External Boundary
- L) MDA C Remedy
- Q) MDAs G & L Remedy





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Questions?



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