



Proposed Process: NNMCAB Input on Campaigns

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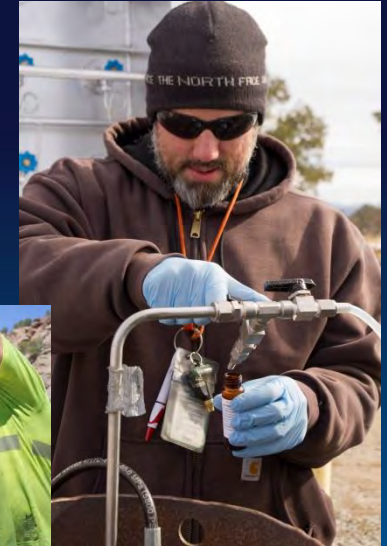
April 9, 2014

LAUR 14-22343

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Background

- LANL environmental work divided into 17 campaigns in five categories
- Purpose of campaign approach is to focus resources, areas and risks
- NNM CAB input on prioritization of campaigns



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LANL Campaigns

Framework Agreement - TRU Waste

- FY12 / FY13 TRU Waste
- Remaining Above-Grade Legacy Waste
- Retrievals:
 - CMP Disposition
 - Trenches A-D / Pit 9
 - Hot Cell Liners, Tritium Tanks & 17th Canister
- 33 Shafts

Framework Agreement - Water Protection

- Chromium Groundwater Cleanup
- RDX Groundwater Cleanup
- Boundary Protection
- Individual Storm Water Permit

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LANL Campaigns

Bias for Action

- Key Interim Measures:
 - MDA L SVE
 - General's Tanks Removal
- Key Site Cleanups (7 to 10)

MDA Remedies

- MDA H
- MDA C
- MDAs G and L
- MDAs A and T
- MDA AB

Aggregate Areas and TA-21

- Aggregate Areas – Investigations and Risk Based Cleanup
- Complete other non-DOE Sites
- TA-21 D&D and Site Completion

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Proposed Process

At May 21 meeting:

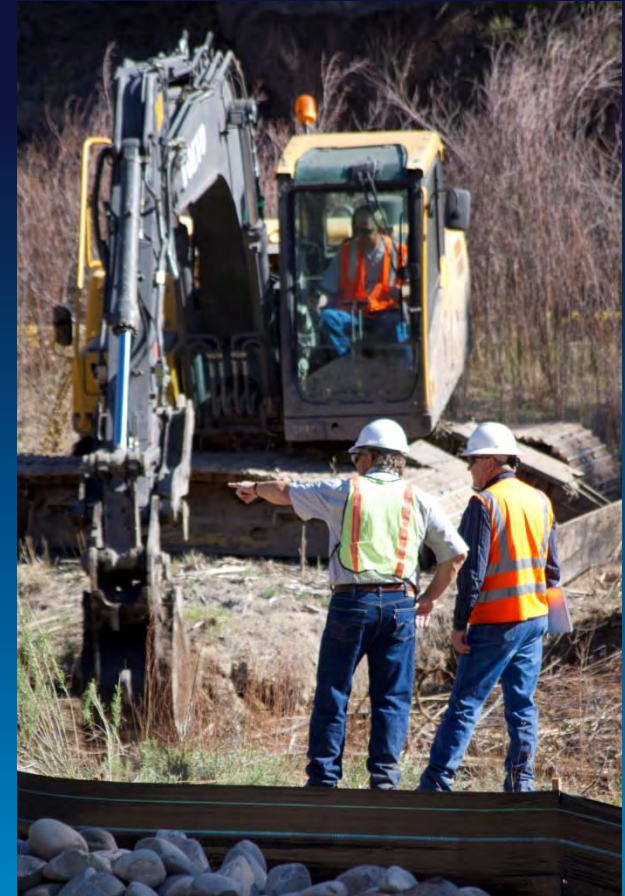
- Poster session for all 17 campaigns;
 - Subject matter experts present for each campaign to answer questions;
- NNM CAB members review campaigns, ask questions, discuss;
- Each NNM CAB member marks top five priorities for next 3-4 years on ballot and provides a high/medium/low score on each of the 17 campaigns;
- Ballots given to NNM CAB staff.

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Proposed Process

After May 21 meeting:

- NNM CAB staff tallies ballots;
- NNM CAB members discuss at June 11 combined committees meeting and write recommendation on top five campaign priorities.
- NNM CAB ranks all campaigns high, medium or low on prioritization list.



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A couple of things to keep in mind...

- The base program for environmental cleanup is driven by requirements from regulators, so certain activities (such as water sampling) must proceed, but some funding is available for prioritization.
- Framework Agreement requirements are still due.
- Some campaigns are field ready and some have prerequisites.



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Questions/Suggestions/Discussion

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Environmental Programs' Campaigns

Framework Agreement – Transuranic Waste

- FY12/FY13 TRU waste
- Remaining above-grade legacy waste
- Retrievals:
 - Corrugated metal pipes
 - Trenches A-D/Pit 9
 - Hot cell liners, tritium tanks and 17th canister
- 33 shafts

Framework Agreement – Water Protection

- Chromium groundwater cleanup
- RDX groundwater cleanup
- Boundary protection

Bias for Action

- Key interim measures
 - MDA L soil vapor extraction
 - General's Tanks removal
- Key site cleanups (7 to 10)

MDA Remedies

- MDA H
- MDA C
- MDAs G and L
- MDAs A and T
- MDA AB

Aggregate Areas and TA-21

- Aggregate areas – investigations and risk-based cleanup
- Complete other non-DOE sites
- TA-21 D&D and site completion

WATER

campaigns

Chromium Groundwater Cleanup Campaign Framework Agreement - Water Protection

Issue Statement:

- Historic use of chromium in Laboratory cooling towers led to chromium contamination above drinking water standards in groundwater

Solution:

- Control chromium plume at Laboratory boundary
- Remediate the source/plume

Status:

- Complex groundwater system has been characterized
- Key aquifer tests were completed in 2013
- Pilot boundary well planned for 2014

Opportunity:

- Halt plume migration and protect water supply
- Currently no contamination in water supply wells

Prerequisites:

- Permitting: New Mexico Environment Department and Office of State Engineer

Duration:

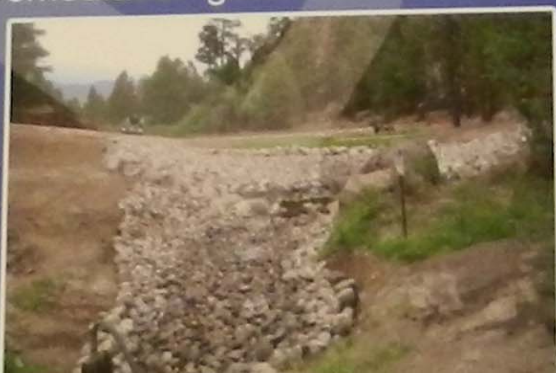
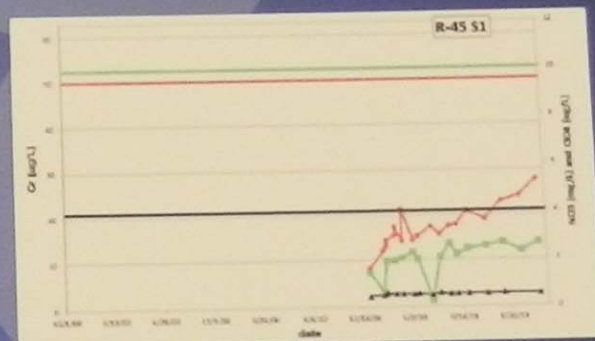
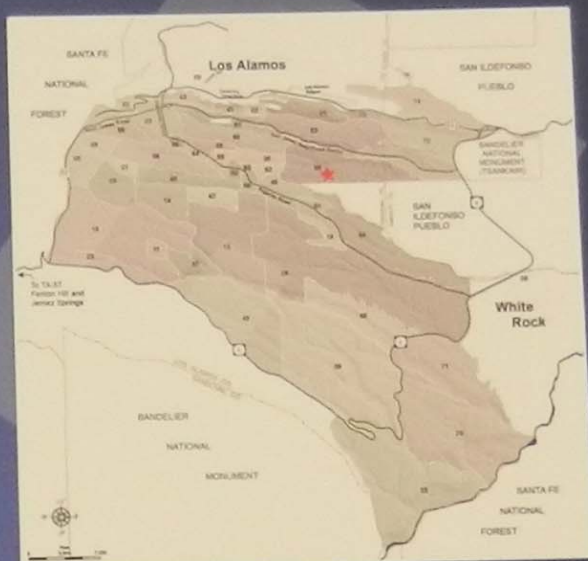
- Plume control: 3 years
- Source/plume remediation: 10-15 years

Cost Range and Resource Summary:

- Plume control: \$\$
- Source/plume remediation: \$\$\$\$

Success:

- Plume is controlled at Laboratory boundary
- Final remediation goals achieved



Northern New Mexico Citizens' Advisory Board Campaign Ballot



Category: Framework Agreement – TRU Waste

FY 12/FY 13 TRU Waste

Low	Medium	High
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Remaining above-grade legacy waste

Low	Medium	High
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Retrievals (below-grade):

Corrugated metal pipes

Trenches A-D and Pit 9

Hot cell liners, tritium tanks and 17th canister

Low	Medium	High
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33 Shafts	Low	Medium	High
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Category: Framework Agreement – Water Protection

Chromium Groundwater Cleanup

Low	Medium	High
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RDX Groundwater Cleanup

Low	Medium	High
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Boundary Protection

Low	Medium	High
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Category: Bias for Action

Key Interim Measures

MDA L Soil Vapor Extraction

General Tank's Removal

Low	Medium	High
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Key Site Cleanups (7 to 10)	Low	Medium	High
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Category: Material Disposal Area (MDA) Remedies

MDA H	Low	Medium	High
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MDA C	Low	Medium	High
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MDAs G and L	Low	Medium	High
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MDAs A and T	Low	Medium	High
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MDA AB	Low	Medium	High
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Category: Aggregate Areas and TA-21

Aggregate Areas – Investigations and Risk-Based Cleanup

Low	Medium	High
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Completion of Other None-DOE Sites

Low	Medium	High
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TA-21 Decommissioning and Demolition and Site Completion

Low	Medium	High
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Please list your top 5 priorities for LANL cleanup.
