



**U.S. Department of Energy  
Environmental Management  
Los Alamos Field Office  
Legacy Cleanup Completion Project**

**Overview Presented to  
Northern New Mexico Citizen's Advisory Board**

**July 29, 2015**

**Robert Pfaff  
Project Management**



**EM Environmental Management**

safety ❖ performance ❖ cleanup ❖ closure

# FY 2016 Budget Request/Status

## ➤ Beginning of Year Plan

- Fiscal Year (FY) 2016 EM-LA Presidential Budget Request is \$188.6M
- FY 2016 Senate Mark is \$188.6M
- FY 2016 House Mark is \$180M
- Initial planning is conservatively set at \$180M (FY 2016 low mark)
  - FY 2016 priorities were previously discussed with NNM CAB
  - We anticipate discussions with NMED on the Integrated Priority List, as in the past
  - DOE intention is for LANS to conduct the FY 2016 workscope under a separate Bridge Contract directed by EM

# EM-LA Strategic Planning

- Due to dynamic factors affecting the legacy cleanup workscope, EM-LA has undertaken renewed lifecycle planning.
- EM-LA has begun the development of a Federal Life-Cycle Estimate to include the outstanding environmental cleanup required to complete Consent Order new emergent scope.
- Work is organized into scope categories (e.g. Chromium, Aggregate Areas, Above Grade TRU etc.).
- The Federal Life-Cycle Estimate tool will continue to be refined.
- The tool will be used to inform regulatory and acquisition plans.



# Planning Considerations

---

- FY 2016 & FY 2017 workscope will be influenced by:
  1. OMB/Congressional decisions
  2. Bridge Contract negotiations
  3. Regulatory decisions
- FY 2018 & beyond will be influenced by ongoing acquisition planning and regulatory developments

# Near Term Workscope

## ➤ TRU Waste:

- Above Grade TRU Management – safe storage of above-grade waste at Area G
- Nitrate Salts Treatment – re-remediation of nitrate waste salt drums



**Area G Overview**



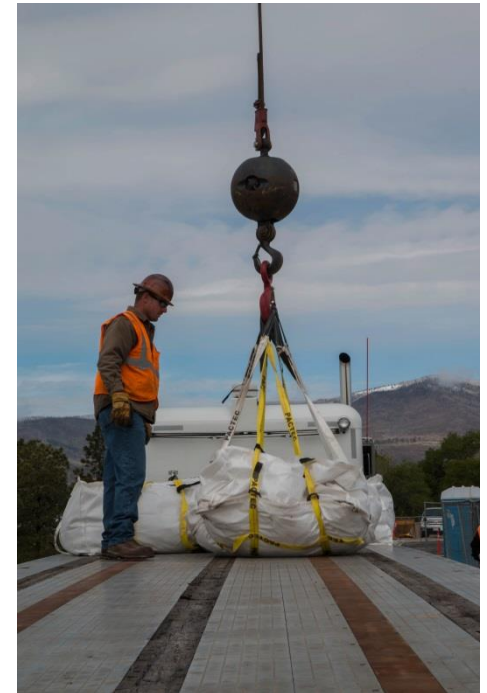
# Near Term Workscope (continued)

## ➤ Soil and Water:

- Chromium Plume Control and Characterization – execute testing in the centroid of the Chromium Plume & mitigate continued migration of contaminants toward the laboratory boundary
- RDX Investigation – investigate distribution of contaminants in various regions & determine appropriate remedies
- Townsites (Upper Los Alamos Canyon) cleanups – 13 remaining contaminant sites to be cleaned that require access to private county property



**Successful Cleanup  
at TA-32**



**EM** Environmental Management

safety ❖ performance ❖ cleanup ❖ closure

# Near Term Workscope (continued)

## ➤ Soil and Water (continued):

- Aggregate Area Supplemental Investigation Reports – investigation & cleanup of potential release sites within large geographic areas of the laboratory, pairs the risk assessment and investigation report
- Airport Landfill Cover Replacement – replacement of a previous RCRA cover that has not performed sufficiently for the long term
- Stormwater Controls under IP (part of base activities to ensure compliance, but storm dependent) – evaluation of storm plan discharges from potential contaminant sites & controls to improve stormwater water quality
- Demolition of Technical Area 21 Balance of Plant Facilities – less contaminated facilities that are a lower risk priority



**EM** Environmental Management

safety ❖ performance ❖ cleanup ❖ closure

TA-21

# Remaining Workscope

## ➤ TRU Waste:

- Completion of Above-Grade TRU Disposition – safe storage and processing of above-grade waste at Area G.
- Below-Grade Transuranic Waste Retrievals (Corrugated Metal Pipes, Pit 9, Trenches A-D) – excavation of TRU waste and necessary treatment & repackaging to render the waste acceptable for disposal at WIPP
- Potential RH-TRU Retrieval from 33 Shafts – future analysis will inform the decision as to whether or not retrieval of the waste in the 33 shafts is beneficial/required.



**33 Shafts**

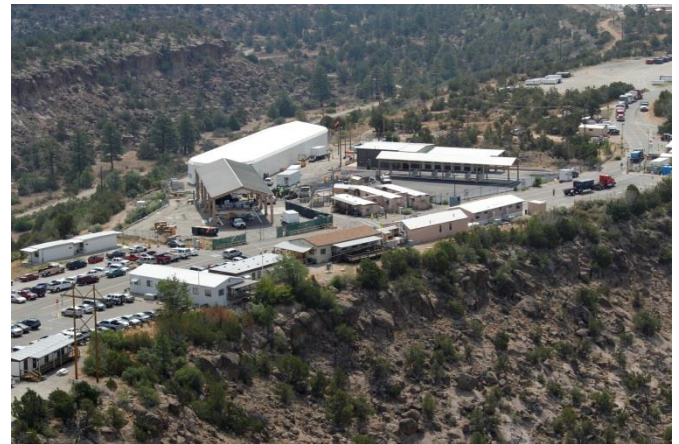




# Remaining Workscope (continued)

## ➤ Soil & Water:

- Chromium Groundwater Remedy Campaign – investigation of contaminant migration & testing of potential remediation technologies to determine remedy projects
  - RDX Remediation – complete implementation of approved remedy
- Material Disposal Areas (A, AB, C, G, H, L, T) Remedy Implementation – investigation and characterization of waste and containment migration from landfills; execution of an appropriate environmental remedy agreed to by NMED
- Aggregate Areas – investigation & cleanup of potential release sites within large geographic areas of the laboratory:
  - Known field cleanups
  - Completion of in-progress investigations
  - Conduct investigations on Southern Aggregate Areas (not started yet; 10 total)

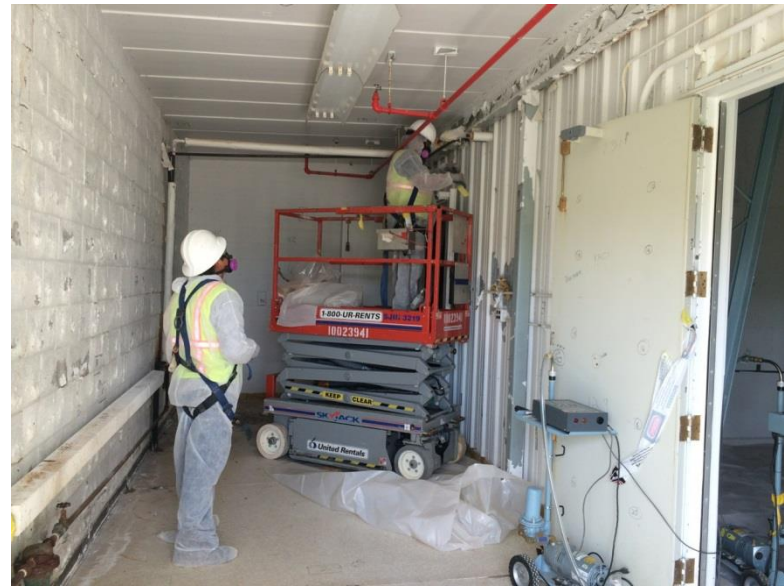


**MDA L Overview**

# Remaining Workscope (continued)

## ➤ Soil & Water (continued):

- Deactivation & Decommissioning – facilities remain in safe condition, contaminant equipment is removed, buildings are demolished & waste disposed of at the following locations:
  - TA-21
  - MDA-L
  - MDA-G



TA-21

