SANDIA NATIONAL LABORATORIES MIXED WASTE LANDFILL LONG-TERM MONITORING & MAINTENANCE PLAN

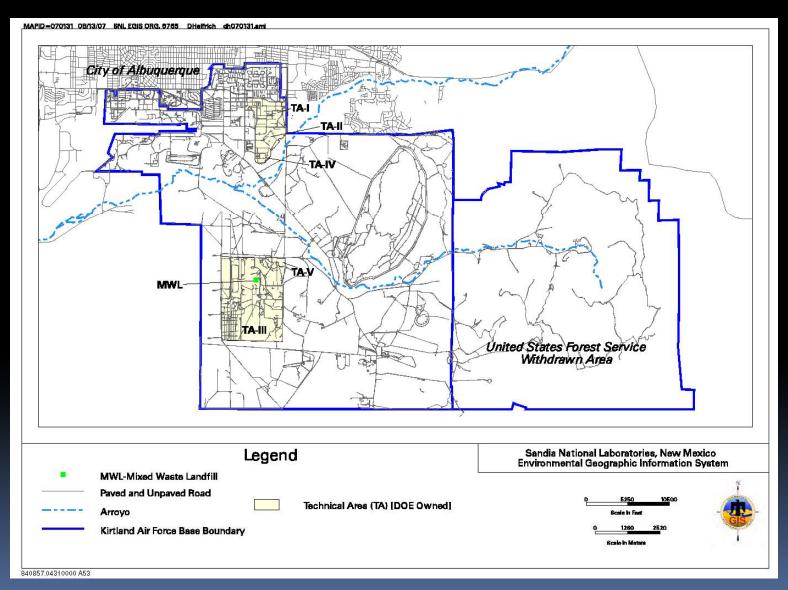
New Mexico Environment Department

October 16, 2012

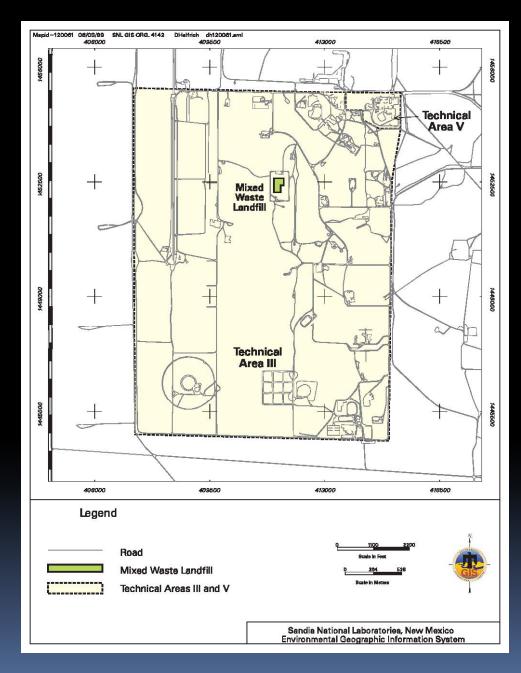
Background Information

- MWL occupies 2.6 acres in Technical Area III at Sandia (SNL)
 - 5 miles SE of Albuquerque International Sunport
 - 4 miles south of SNL's central facilities
- Operated 1959 to 1988, low-level radioactive and mixed waste
- Groundwater monitoring began 1990
- Final Order May 2005 install cover (with biointrusion barrier) and conduct monitoring
- Vegetative Cover (i.e., evapotranspirative [ET] Cover) installed 2009

Location of Kirtland Air Force Base, SNL Technical Areas, and the Mixed Waste Landfill



Location of the MWL Within Technical Area III

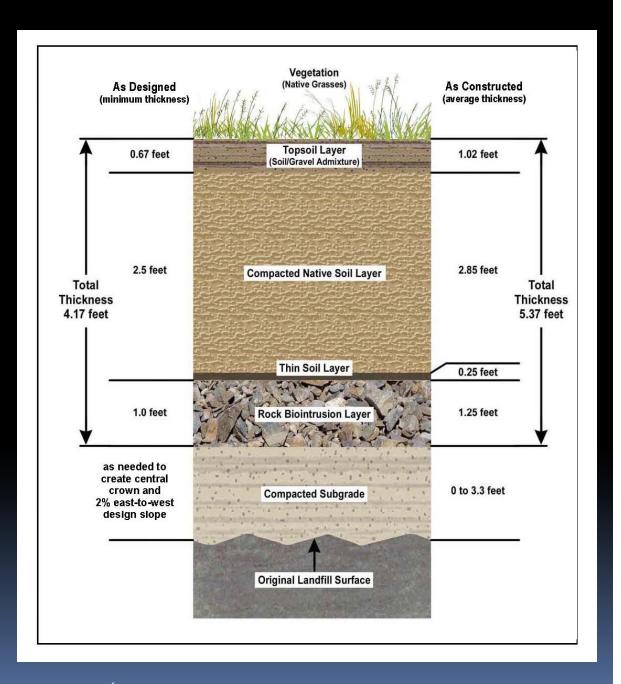


Current Conditions

- Cover 4.1 acres (with side slopes), 4
 engineered layers (barriers) above original
 ground surface
- Surface water diverted around Cover and to west, as with surrounding land
- Security fence surrounds cover, locked gates at north and south ends of fence

Profile of MWL Cover

- Main layers thicker (more protective) than design specifications
- Total thickness ~5.4 feet, not including Subgrade

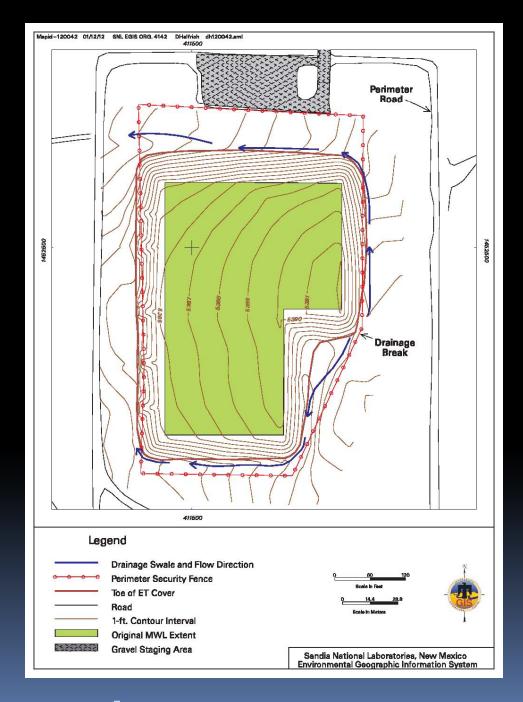


Site Map

Site Features

- Cover
- Site Drainage
- Security Fence
- Perimeter Road
- North Staging Area

Green area is Cover surface over original 2.6 acre boundary



View to west showing MWL Cover



Regulatory Background

- Corrective Measures Study (CMS) Report with recommended final remedy submitted May 2003
- Public Hearing on CMS December 2004
- NMED Final Order issued May 2005 (and Permit Modification):
 - Cover (with biointrusion barrier) and monitoring
 - Corrective Measures Implementation (CMI) Plan: design/construction specifications, fate and transport model and monitoring trigger levels
 - CMI Report: document as-built construction of Cover
 - Long-Term Monitoring and Maintenance Plan (LTMMP)
 - 5-Year Reevaluation Reports
- CMI Plan submitted November 2005, approved December 2008

Regulatory Background

- Cover installed 2009
- CMI Report submitted January 2010, approved October 14, 2011
 - Public meeting December 14, 2010
 - 90-day comment period November 2010 February 2011
- LTMMP submitted March 2012
 - 60-day comment period ongoing September 14 November 13, 2012
 - Public meeting October 16, 2012 (this meeting)

What's Next

- Approve LTMMP after consideration of public comment
- SNL will submit for the MWL Permit Modification
 Request for Corrective Action Complete with Controls
 - LTMMP documents the controls
 - Further opportunity for public comment on MWL
- Annual reports and 5-year reevaluations
 - Further opportunity for public comment on MWL

NMED Contact Information

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- LTMMP found at:
 - http://www.nmenv.state.nm.us/HWB/documents/SNL__
 3-23-2012_MWL_LTMMP_Final_March_2012.pdf