

ADEP Update

Northern New Mexico Citizens' Advisory Board

September 24, 2014

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LAUR 14-27281

Agenda

- I. RDX well installation
- II. Lifecycle baseline
- III. Sediment sampling
- IV. Water sampling
- V. IP permit renewal status
- VI. Other field work

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RDX Remediation

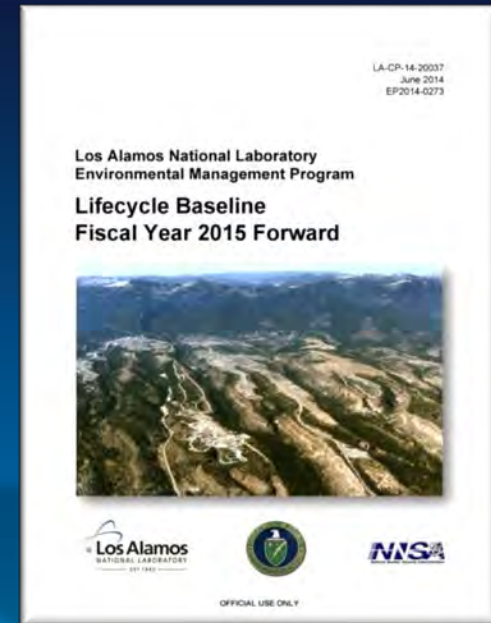
- Completed geophysics study
- Completed interim measure for source control aquifer test
- Well R-47 near completion
- Well R-63i ongoing
- Well development for CdV16-9-1i begins



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Lifecycle Baseline

- LCB details scope, estimated costs and schedule for EM mission
- Constructed based on Framework Agreement priorities using campaign strategy and approach
- Criteria included high probability of success, clear purpose, risk reduction and high importance to stakeholders and regulators
- Target: 3 years
- To date, completed corporate and DOE headquarters review
- Based on estimated annual budget of \$225M



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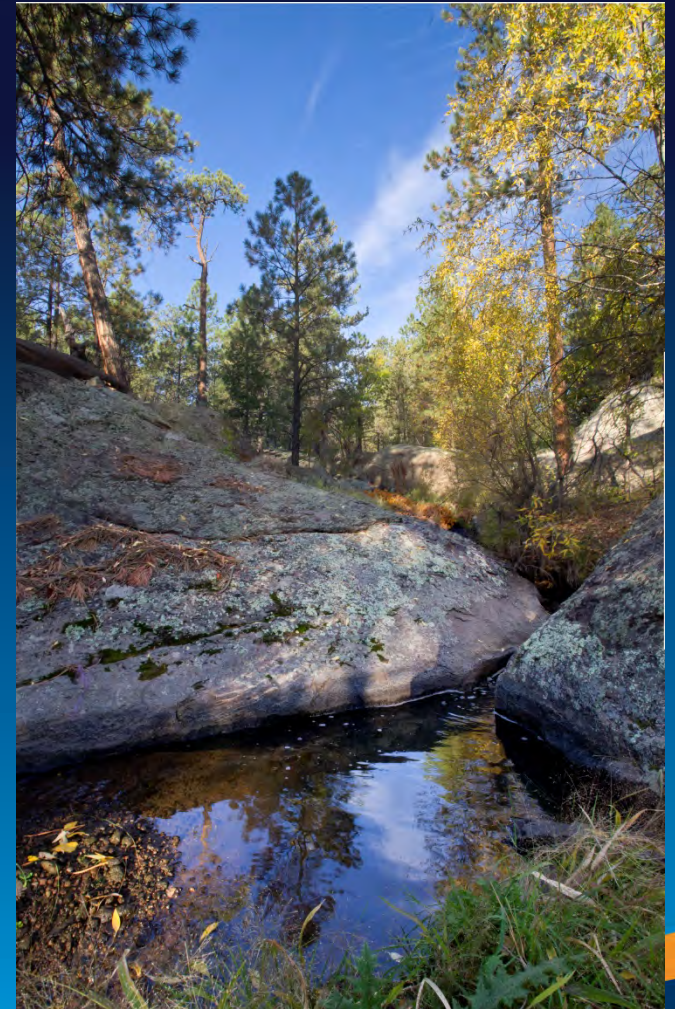
2013 Sediment Sampling

- 1,000-year storm event September 2013
- Samples collected throughout the Laboratory and San Ildefonso property
- Concentrations of 2013 deposits at/below concentrations in previous years' flood deposits
 - All below risk-based thresholds

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Water Sampling

- Groundwater (to date)
 - Collected 291 of 348 wells, springs and base flow samples planned for FY14
 - Samples not collected may be attributed to dry wells, well usage and access
- Surface water (through August)
 - Gage station network: Collected 88 samples
 - Individual Permit: Collected 35 samples



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IP Permit Renewal

- Application submitted in March 2014
- Collaborative effort
 - Laboratory, stakeholders, regulators and DOE
- Expect EPA to submit draft permit by December 2014
 - Then distributed for public comment

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Other Field Work



Crew members operate tag lines to help guide a demonstration of corrugated metal pipe (CMP) retrieval from the CMP array onto a large metal table to be surveyed and wrapped.



A crew prepares for drilling to begin for CrCH-1 (chromium core hole 1) in Mortandad Canyon in support of chromium remediation.



A cleanup project is underway at TA-61, located along the truck route near the county landfill.



A radiological control technician (RCT) surveys machinery during a CMP retrieval demonstration.