LA-UR-12-26875

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Title: FY12 Accomplishments

Author(s): Schappell, Bruce G

Intended for: Report

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November 2012

Los Alamos National Laboratory Environmental Programs Fiscal Year 2012 Accomplishments

The Environmental Programs organization manages and remediates environmental hazards associated with past and present Laboratory operations, thereby allowing the Laboratory to fulfill its national security and science missions.

Fiscal year 2012 saw the announcement of a framework agreement with the State of New Mexico and the Department of Energy/ NNSA that made removing 3,706 cubic meters of above-ground transuranic waste the Laboratory's top environmental priority.

Environmental Programs successfully accelerated the removal of this TRU waste, surpassing its goal for cubic meters removed and sending 59 more shipments to the Waste Isolation Pilot Plant than planned.

The organization also continued to protect northern New Mexico's water resources in fiscal year 2012, and met all regulatory commitments for environmental cleanup and remediation of sites around the Laboratory and the town of Los Alamos.

Details about Environmental Programs' accomplishments in FY12 are included on the following pages.

Safety, Security and Conduct of Operations:

- 286 days and 950,000 hours without a recordable injury
- Full implementation of behavior -based safety in Environmental Programs
- Reduced the EP TRC rate from 2.19 to 1.0 and the DART rate from .43 to 0. LANL goals are TRC=1.7 and DART=.40
- No recordable security incidents
- No contamination releases or cases of personnel contamination

Campaign to Remove 3,706 Cubic Meters of Transuranic Waste:

- Shipped 920 cubic meters of TRU waste versus a goal of 800 cubic meters
- Set a new record in TRU shipments— 230 shipments versus the previous record of 171 in 2011
- Sent LANL's 1000th cumulative TRU shipment to WIPP on June 6, 2012
- Dispositioned more than 23,000 PE-Ci of above-ground material at risk
- Construction of two new box line repackaging facilities more than 95 percent complete

Regulatory Compliance and Corrective Action Implementation:

- Submitted 73 major Consent Order documents to the New Mexico Environment Department on time or ahead of schedule
- Achieved certificates of completion for 83 sites and requested certificates for an additional 52 sites
- Received no regulatory notices of violations
- Strengthened relationships with NMED, the New Mexico Legislature, citizens groups and stakeholders through strong performance and strategic negotiations
- Compliant implementation of the Individual Permit for Stormwater controls, including construction, certification, and sampler activation at 29 out of 68 SMAs
- Dispositioned 3.7 million gallons of waste water from well installation and maintenance activities
- Facilitated economic development for townsite/Los Alamos County mesa top and land transfer projects:
 - Trinity Site revitalization, Smart House, Nature Center, and Ashley Pond renovation
 - Rendija Canyon Land Transfer Tract
- More than 400 surface water and groundwater samples collected and analyzed
- Installed and activated the Buckman Direct Diversion Project telemetry system, an early warning system which enables remote real-time monitoring (video streaming and flow measurements) every five minutes

Rapid Realignment After the Los Conches Fire:

- Restructured and realigned the program in the first quarter of FY12 to achieve new goals established in the January 2012 "Framework Agreement":
 - Ship the above-ground high-risk inventory of transuranic (TRU) waste to WIPP by June 30, 2014
 - Complete removal of all newly generated TRU by December 31, 2014
 - Protect the surface water and groundwater
- Successfully transitioned employees and established task orders to rapidly shift from corrective action scope to the TRU campaign
- Successfully renegotiated FY 12 and FY13 Consent Order commitments to align with newly established priorities with the State of New Mexico
- Conducted 493 public outreach/communications activities versus a goal of 252 for the fiscal year

Business and Project Performance:

- All capital projects and operations achieved OECM Green results for CPI and SPI (>.95) performance
- Successfully achieved financial close-out of four EM Recovery Act projects (\$212M of scope):
 - Met all Key Performance Parameters
 - Used more than \$20 million in cost savings to accomplish additional EM scope
- Met all goals and objectives established in the Essential EP Performance Based Incentives (PBIs)
- Met all stretch PBI goals, excluding one added in the final quarter of FY12
- Achieved all program goals with LANL funding of \$188 million versus a LANL and President's budget request of \$362 million
- Completed and implemented 30 Six Sigma performance improvement plans and realized a cost savings of more than \$1 million
- Established a training plan for EP project managers and achieved FY12 goals in the plan:
 - Fourteen PMs trained for PMI certification with 9 achieving certification
 - Two PMs certified through the Bechtel certification program
- Achieved successful financial close-out of all FY12 EM projects and accounts
- Received six LANL Pollution Prevention Awards, saving more than \$10 million in waste disposal costs

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