



DEPARTMENT OF ENERGY
Environmental Management Los Alamos Field Office (EM-LA)
Los Alamos, New Mexico 87544

JAN 12 2016

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Kathryn Roberts
Resource Protection Division
New Mexico Environment Department
P.O. Box 5469
Santa Fe, NM 87502-5469

Dear Ms. Roberts:

Subject: Transmittal of the Fiscal Year 2016 First Quarter Status Report

Please review the enclosed Los Alamos National Laboratory (LANL) Water Protection Status Report for the first quarter of Fiscal Year (FY) 2016.

LANL made no additional progress in removing newly generated Transuranic waste during this quarter, due to the Waste Isolation Pilot Plan shutdown.

The enclosed quarterly status report will be highlighted from a link on the LANL website and will be available for public review. If you have any questions, please contact David Rhodes of my staff at (505) 665-5325.

Sincerely,

Douglas E. Hintze
Manager
Environmental Management
Los Alamos Field Office

Enclosure

cc w/enclosure:

John Kieling

Chief

Hazardous Waste Bureau

New Mexico Environment Department

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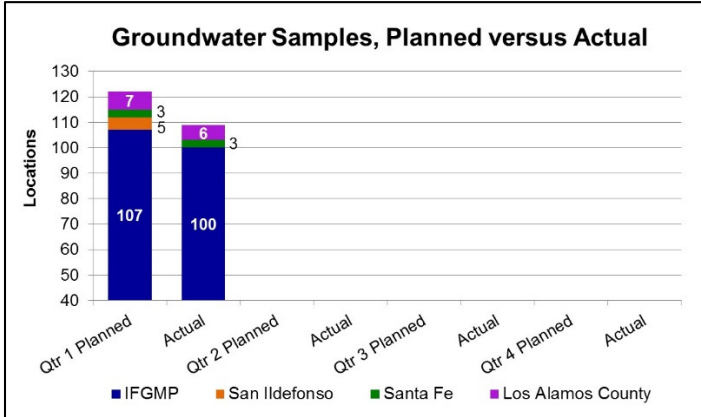
Official Contract File, EM-LA

EPO-32DR-906-658389

LANL Water Protection Status Report — Fiscal Year 2016 First Quarter (October to December 2015)

	1 st Qtr	2 nd Qtr	3 rd Qtr	4 th Qtr
Groundwater Protection — Continued monitoring of the Buckman Direct Diversion and Los Alamos County Water Supply Wells	<input checked="" type="checkbox"/>			
Groundwater Protection — Continued implementation of the Interim Facility-Wide Groundwater Monitoring Plan (IFGMP)	<input checked="" type="checkbox"/>			
Surface Water Protection — Continued protection of surface water through implementation of the Individual Permit for Storm Water	<input checked="" type="checkbox"/>			
Buckman Early Notification System operability at 100% per memorandum of understanding requirements	<input checked="" type="checkbox"/>			

Groundwater Protection



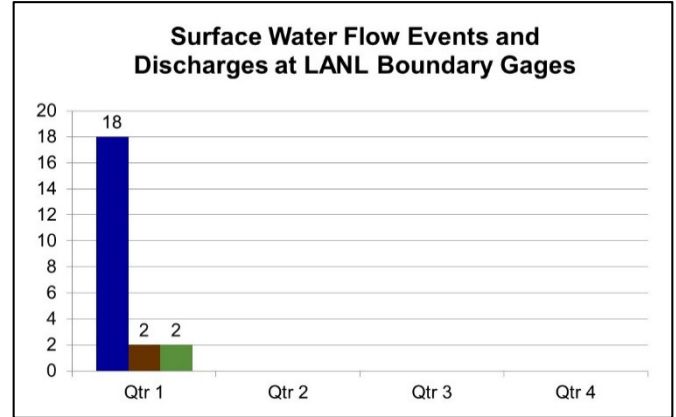
First Quarter Sampling Deviation Explanations:

- (1) **IFGMP:** Mortandad at Rio Grande and Sandia Spring were dry. Sampling pumps were not functional at SCI-1, R-10 S2 (screen 2), and R-20 S1. A task order is scheduled to be issued the third week of January 2016 for the repair of all three pumps. Tracer injection in CdV-9-1(i) precluded sampling. There was insufficient water at FLC-16-25280 for sampling.
- (2) **San Ildefonso:** GU-0.01 Spring was dry. Sampling for J. Martinez House Well, LA-5, Black Mesa Well, and Black Mesa Well 2 was rescheduled for January 2016.
- (3) **City of Santa Fe:** No deviations.
- (4) **Los Alamos County:** PM-4 was out of service.

FY15, 4th Quarter (Jul–Sep) Analytical Summary: Los Alamos National Laboratory (LANL) has received analytical data for 8 water supply wells and 89 IFGMP locations. Of the 97 locations sampled, results for all samples have been received with a total of 14,772 analyte measurements. A first-time exceedance of the chloroform groundwater screening level was observed in a sample from regional well CdV-R-37-2 S2.

FY16, 1st quarter (Oct–Dec) analytical results are pending.

Surface Water Protection



- Days with measured flow* at any LANL gage station (>5 cubic feet per second [cfs])
- Days with measured flow* at LANL boundary stations E050.1, E060.1, E099, E125, E204, E229.3, E250, E265, E267, E275, and E338 (>5 cfs)
- Days with measured flow* at Buckman Early Notification Stations E050.1, E060.1, and E099 (>5 cfs) from Los Alamos, Pueblo, and Guaje Canyons, respectively.

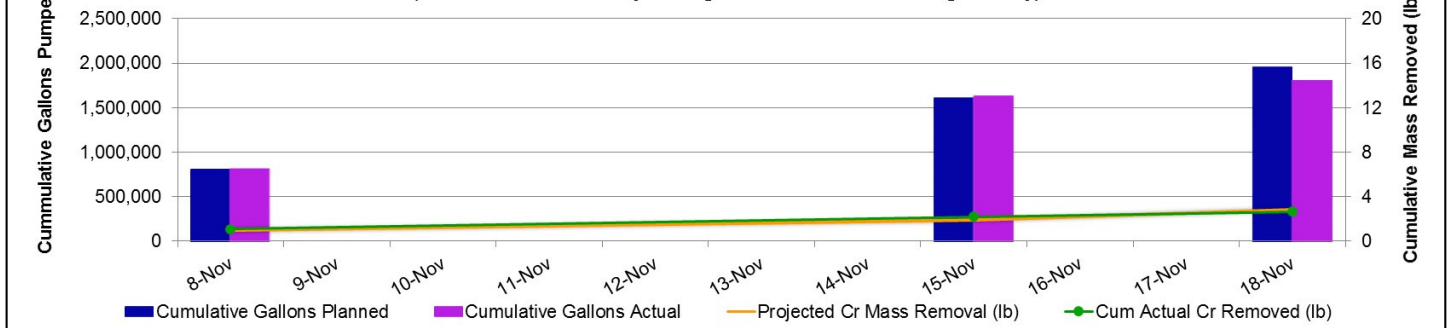
*“Days with measured flow” is computed as the sum of the number of days each station exhibited flows >5 cfs.

Notes:

- (1) The majority of the 18 days of flow in FY16, 1st quarter, occurred at the three Upper Sandia Canyon gages, E038 in DP Canyon, and E026 in Upper Los Alamos Canyon.

Chromium Project Metrics

(from 12:00 a.m. Monday through 12:00 a.m. the following Monday)



Notes:

- (1) During FY16, 1st quarter, a total of 2.6 lb of chromium was removed from the 2 million gallons of groundwater extracted from the aquifer below Mortandad Canyon.
- (2) Pumping at CrEX-1 is expected to begin again in spring 2016.