



Report

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

JUL 10 2015



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 2015 Third Quarter Status Report

Please review the enclosed Los Alamos National Laboratory (LANL) Water Protection Status Report for the third quarter of Fiscal Year (FY) 2015.

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,

Christine Gelles
Acting Manager
Environmental Management
Los Alamos Field Office

Enclosure

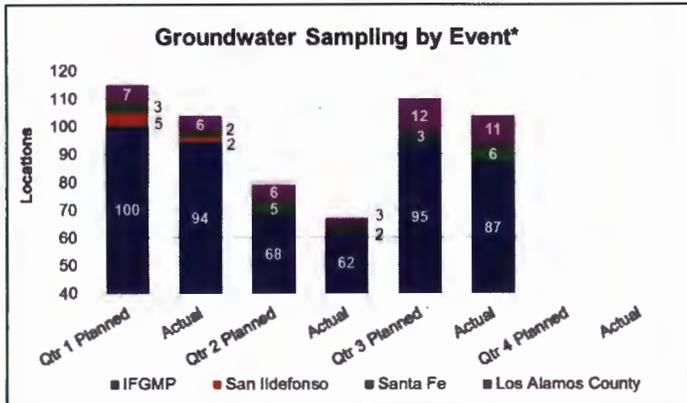


LANL Water Protection Status Report — Fiscal Year 2015

Third Quarter (April to June 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	☑	☑	☑	
Groundwater Protection — Continued implementation of the Interim Facility-Wide Groundwater Monitoring Plan (IFGMP)	☑	☑	☑	
Surface Water Protection — Continued protection of surface water through implementation of the Individual Permit for Storm Water	☑	☑	☑	
Buckman Early Notification System operability at 100% per memorandum of understanding requirements	☑	☑	☑	

Groundwater Protection



* An event is a single-screen well location, each individual well screen for multiscreen wells, spring, or base-flow location.

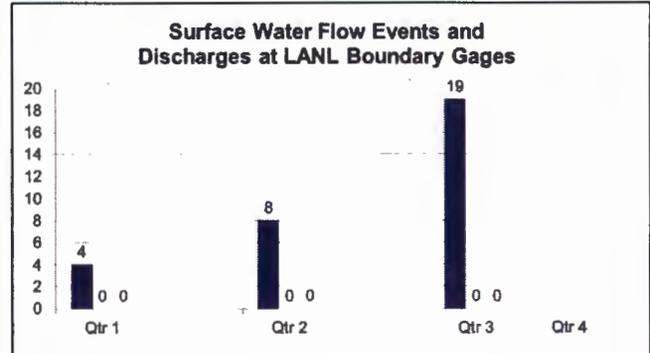
Third Quarter Sampling Event Deviation Explanations:

- (1) **IFGMP:** R-56 S2 was not sampled because of cross-flow from packer failure. Two mile below TA-59, Pajarito below conf of S & N Ancho East Basin, PCAO-9, MCOI-4, LLAO-1b, and LA Canyon near Otowi Bridge were dry. Construction of well R-63i had not been completed (-8).
- (2) **San Ildefonso:** None, no sampling scheduled in 3rd quarter.
- (3) **City of Santa Fe:** PM-4 shut down for the winter (-1).
- (4) **Los Alamos County:** 2nd quarter sampling was made up in April (+3).

FY15, 2nd Quarter (Jan–Mar) Analytical Summary: Los Alamos National Laboratory (LANL) has received analytical data for 5 water supply wells and 62 IFGMP (LANL) locations. Of the 67 locations sampled, results for all samples have been received with a total of 10,291 analyte measurements. No new exceedances were confirmed to be from a LANL source.

FY15, 3rd quarter (Apr–Jun) 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, E125, E204, E229.3, E250, E265, E267, E275, and E338 (>5 cfs)
- Days with measured flow* at Buckman Early Notification Stations E050.1 and E060.1 (>5 cfs) from LANL watersheds.

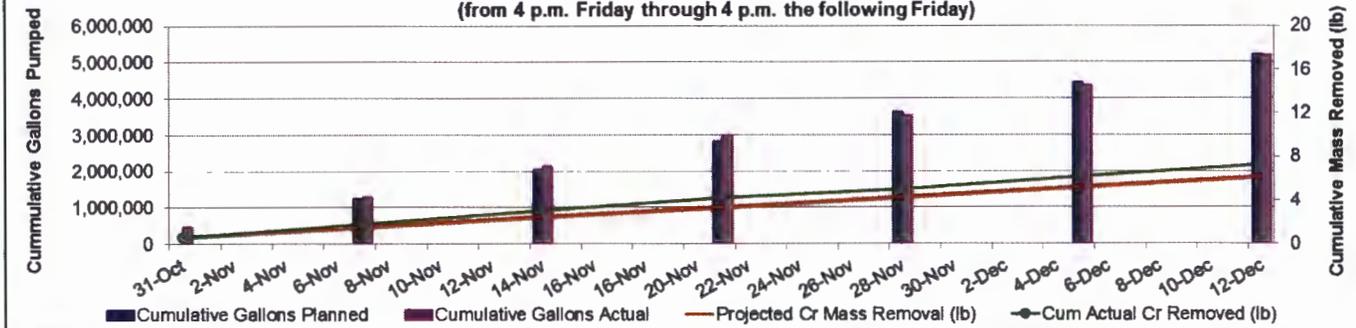
* "Days with measured flow" is computed as the sum of the number of days each station exhibited flows >5 cfs.

Notes:

- (1) The majority of the 19 days of flow were at the three Upper Sandia Canyon gages and the three DP Canyon gages.

Chromium Project Metrics

(from 4 p.m. Friday through 4 p.m. the following Friday)



Notes:

- (1) Through the end of FY15, 1st quarter, a total of 7.3 lb of chromium was removed from the 5.2 million gallons of groundwater extracted from the aquifer below Mortandad Canyon.
- (2) Pumping is suspended for the winter and will resume during 2015.