



DEPARTMENT OF ENERGY
National Nuclear Security Administration
Los Alamos Field Office
Los Alamos, New Mexico 87544



JUL 11 2013

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. Tom Blaine, PE
Resource Protection Division
New Mexico Environment Department
P.O. Box 5469
Santa Fe, NM 87502-5469

Dear Mr. Blaine:

Subject: Transmittal of 3,706 TRU Campaign Fiscal Year 2013 Third Quarter Status Reports

Please find for your review the attached Los Alamos National Laboratory (LANL) 3,706 Transuranic (TRU) Campaign Status Report and the LANL Water Protection Status Report for the third quarter of Fiscal Year 2013.

As discussed in the past, maintaining public transparency in the 3,706 TRU Waste Campaign is of the utmost importance to the Department of Energy, Los Alamos Field Office. The attached quarterly status report will be highlighted from a link on the LANL website and available for the public's review by July 15, 2013.

The site continues to make good progress removing waste and reducing risk. The Lab has removed a cumulative total of 1,993.6 m³ of waste as of the end of June. That equates to 69 percent of the campaign's Material at Risk (MAR) being removed from the site, representing a significant risk reduction.

We look forward to continued success of this important work for Los Alamos as well as the State of New Mexico. If you have any questions, please contact David Nickless of my staff at (505) 665-6448.

Peter Maggiore
Assistant Manager
Environmental Projects Office

Enclosures

cc w/enclosures:

John Kieling

Chief

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EPO-32DN-493-522077

LANL 3,706 TRU Campaign Status Report – FY13 3rd Qtr. (April thru June, 2013)

Processing Highlights

RANT (Shipping Facility):

- Completed 60 shipments for a cumulative total of 353 shipments to WIPP since the beginning of the Campaign.
- Shipped 69% of the total Material at Risk (MAR) for the Campaign.

WCRRF (High Activity Drum Line):

- The repackaging line has performed remediation on 1,008 drum equivalents (DE's) since the beginning of the Campaign.

Building 375 (Box Line):

- Began processing Hazard Category III Solid Waste Boxes during this period.
- Began 24 hour operations during this Quarter.

Dome 33C (Drum Venting):

- Completed venting all 224 drums for the 3,706 campaign.

Building 412 (Box Line):

- Re-tooling for drum processing has begun.
- Processed 106 m3 in Box Line 412 this quarter (Governor's Goal parent volume processed only).
- Schedule conversion to drum line during the 4th Quarter of FY13.

Dome 231 (Box Line):

- Continued processing Hazard Category III boxes.
- Processed 165 m3 in Box Line 231 this quarter. (Governor's Goal parent volume processed only).
- Continued 24 hour operations.

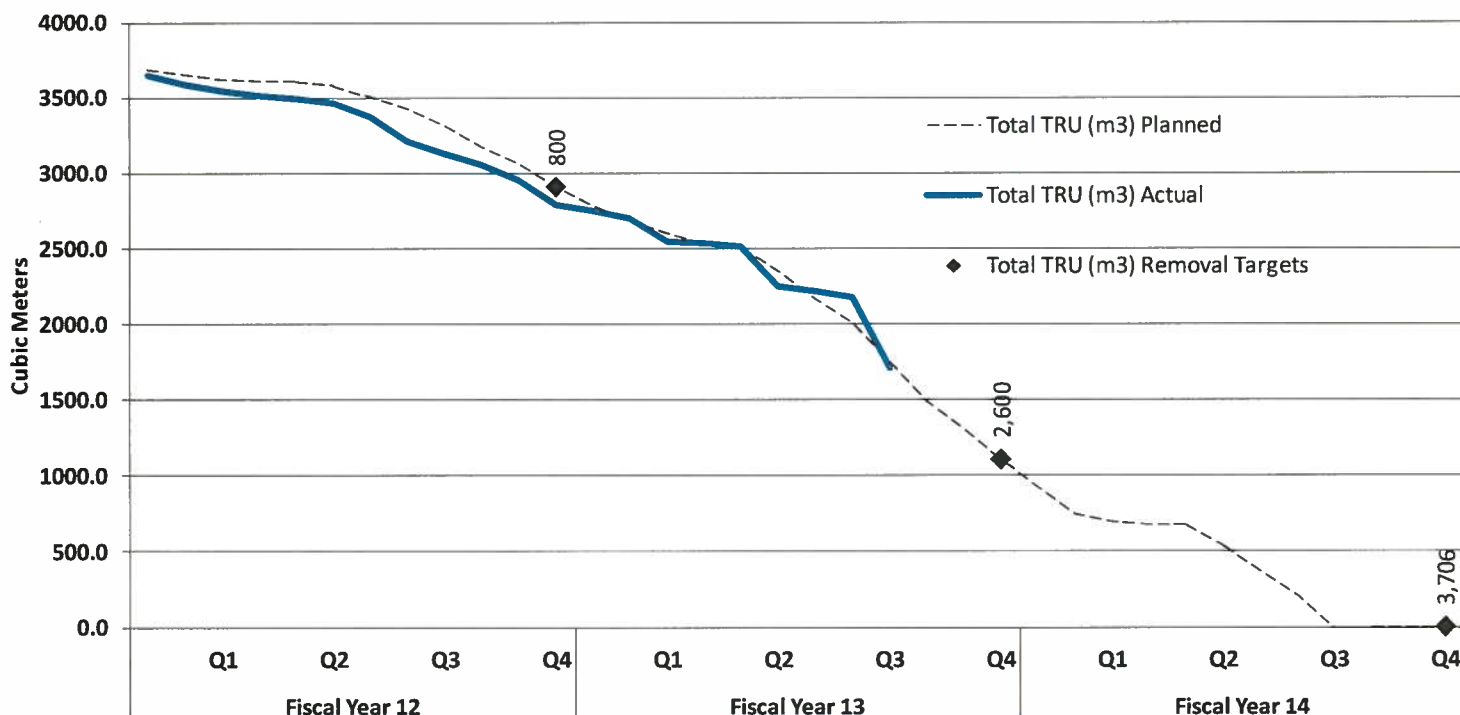
Central Characterization Project (CCP):

- During the 3rd Quarter of FY13, the CCP processed 1,328 containers.

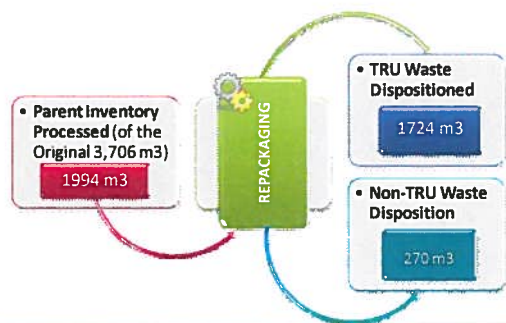
| TRU Volume Removed | | | FY2012 thru 06/30/13 | | | | PROJECTIONS FOR NEXT QUARTER | | |
|----------------------------|-----------------------|-----------|----------------------|-------------------------------|--------------------------------|------------|------------------------------|-----------------------------------|-----------------------|
| SHIPMENTS (as of 06/30/13) | | 2014 Goal | 2012 Actual | FY2013 Q3 Actual to Date (m3) | Cumulative Actual to Date (m3) | % Complete | Q4 Forecast (m3) | Cumulative at End of Quarter (m3) | Cumulative % Complete |
| 3,706 TRU Campaign | Volume (m3) | 3706 | 920 | 538 | 1994 | 54% | 647 | 2600 | 70% |
| | Drum Equivalents | 17817 | 4423 | 2584 | 9584 | | 3110 | 15567 | |
| | Radioactivity (PE Ci) | 41511 | 23075 | 2485 | 28430 | 69% | 1065 | 33739 | 81% |

3,706 LANL TRU Campaign Performance

(Target = 3,706 m3; Remaining = 1,712 m3)

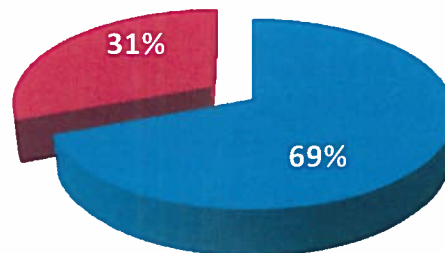


Parent vs. Shipped Volumes



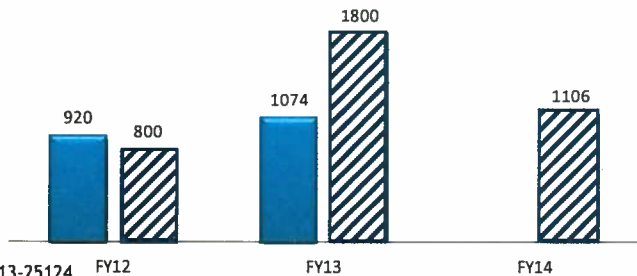
** MAR Removal - Total Campaign

■ PE-Ci Removed ■ PE-Ci Remaining



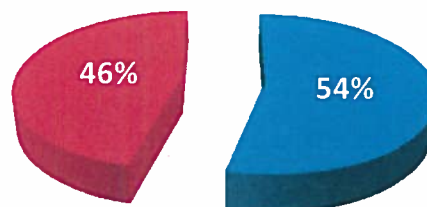
3,706 Goal vs. Progress (Volumes)

■ Actual (m3) ■ Planned (m3)



3,706 TRU Campaign Cumulative Progress

■ m3 Removed ■ m3 Remaining



* = Parent Volume
** = Material at Risk

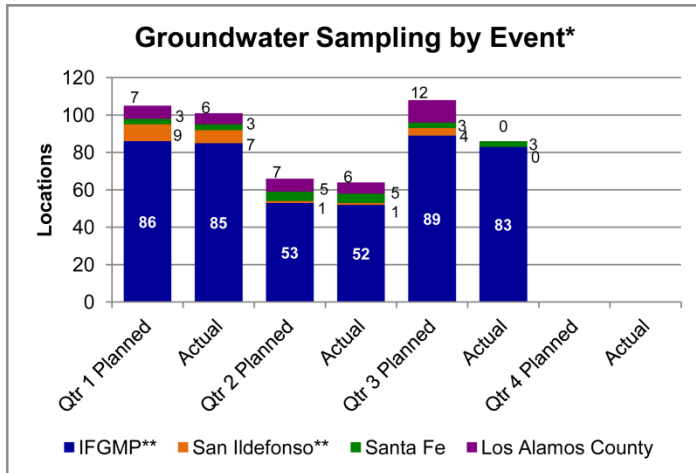
PE-Ci = Plutonium Equivalent Curies

Note: Volumes and percentages are rounded to nearest whole number.

LANL Water Protection Status Report — Fiscal Year 2013 Third Quarter (April to June 2013)

| | 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 Stormwater Permit (IP) | ☑ | ☑ | ☑ | |
| Buckman Early Notification System operability at 100% per memorandum of understanding (MOU) requirements | ☑ | ☑ | ☑ | |

Groundwater Protection



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

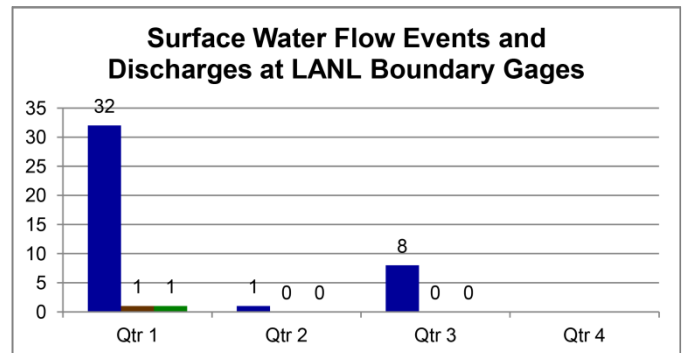
** San Ildefonso locations included in both the IFGMP and San Ildefonso MOU are identified as San Ildefonso locations for this report.

FY13 2nd Quarter (Jan–Mar) Analytical Summary: Analysis of the 64 groundwater samples collected this quarter provided 9936 analyte measurements of which no new exceedances were confirmed to be from a Los Alamos National Laboratory (LANL) source. (3rd quarter analytical results are pending.)

Third Quarter Sampling Event Deviation Explanations:

- (1) **IFGMP:** PCAO-8, Pajarito below TA-59, MCOI-4, LLAO-1b, Los Alamos Spring, and LA Canyon below Otowi Bridge were dry.
- (2) **San Ildefonso:** GU-0.01 Spring dry, resident at J. Martinez House well not present, LA-5 and Pajarito Well were not operating.
- (3) **City of Santa Fe:** None.
- (4) **Los Alamos County:** Wells could not be accessed because of Stage 3 fire restrictions.

Surface Water Protection



- Days with measured flow at any LANL gage station (>5 cubic feet per second [cfs])
- Days with flow at LANL boundary stations E050.1, E060.1, E125, E250, E265, E267, E275, and E338 (>5 cfs)
- Days with measured flow at Buckman Early Notification Station E109.9 (>5 cfs) from LANL watersheds.

Notes:

- (1) E123 is on a perennial stream fed by power plant effluent in Sandia Canyon and is below the wetlands. Flow measurements are currently being affected by construction of the grade-control structure in Sandia Canyon. Thus, this station is not included in these statistics.
- (2) E038, E039.1, E055, E056, and E121 had flow above 5 cfs because of the storm event on June 14, and E038, E039.1, and E121 had flow above 5 cfs because of the storm event on June 30. E121 is also a perennial stream fed by power plant effluent in Sandia Canyon but is above the wetlands.