



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



JUL 12 2012

Dr. Jim Davis, Director
Resource Protection Division
New Mexico Environment Department
P.O. Box 5469
Santa Fe, NM 87502-5469



Dear Dr. Davis:

Subject: Transmittal of 3,706 TRU Campaign Quarterly Status Report

Please find for your review the attached Los Alamos National Laboratory (LANL) 3,706 TRU Campaign Status Report and the LANL Water Protection Status Report for the third quarter of Fiscal Year 2012.

As discussed in our January 5, 2012 presentations to the Northern New Mexico Citizen's Advisory Board, maintaining public transparency in our 3,706 TRU Waste Campaign is of the utmost importance to the Department of Energy, Los Alamos Site Office. The attached quarterly status reports will be highlighted from a link on the LANL website and available for the public's review by July 15. We hope your office is encouraged by the progress being made during the first three quarters of this campaign. As you can see, LANL is ahead of schedule, and we have also made significant progress in removal of the total activity (31 percent) for the campaign.

If you have any questions, contact M. Lee Bishop at (505) 606-1804.

Peter Maggiore

Peter Maggiore
Assistant Manager
Environmental Projects Office

Enclosure:

cc w/enclosure:

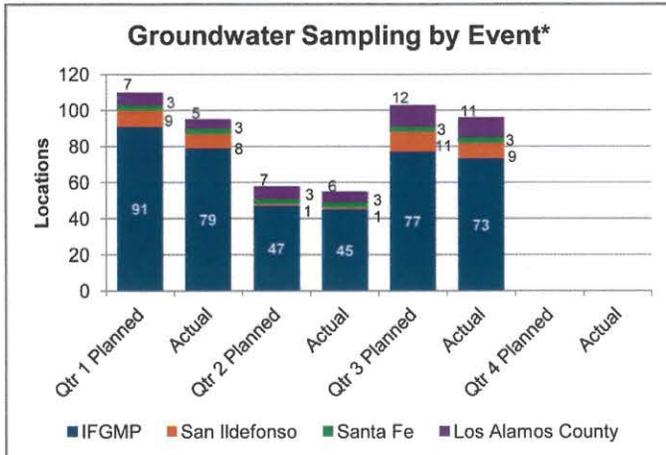
B. Diamond, NA-GC, HQ/FORS
F. Marcinowski, EM-40, HQ/FORS
J. Kieling, HWB, NMED
J. Griego, OOM, LASO
G. Rael, NSM, LASO
B. Pfaff, EPO, LASO
M. Lee Bishop, EPO, LASO
T. Chiri, BA, LASO
J. Franco, WIPP, CB
T. Morgan, WIPP, CB
E. Ziemianaski, WIPP, GSA-220
F. Sharif, WIPP, GSA-201
P. Gonzales, DIR, LANS, MS-A100
D. Cox, ADEP, LANS, MS-M991
K. Johns-Hughes, LTP, LANS, MS-J910
Records Center, LASO
Official Contract File, LASO

EPO: 32LB-348-450766

LANL Water Protection Status Report — FY12 3rd Qtr. (Apr thru Jun 2012)

	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"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Groundwater Protection — Continued implementation of the Interim Facility-Wide Groundwater Monitoring Plan (IFGMP)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Surface Water Protection — Continued protection of surface water through implementation of the Individual Stormwater Permit (IP)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Buckman Early Notification System operability at 100% per MOU Requirements	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Groundwater Protection



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

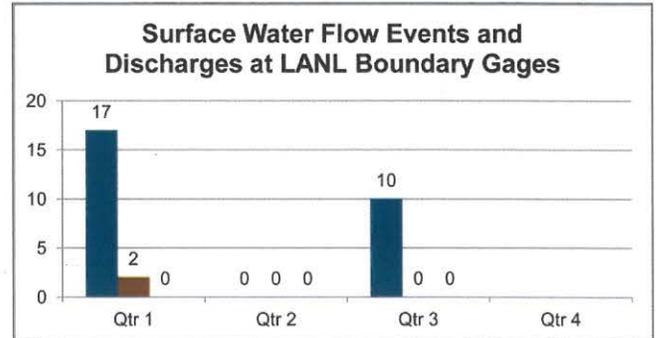
1st Quarter analytical summary: 16,279 analytes tested with 0 new exceedances confirmed to be from LANL sources.

2nd Quarter analytical summary: 10,007 analytes tested with 0 new exceedances confirmed to be from LANL sources. (3rd quarter pending)

3rd Qtr Sampling Event Deviation Explanation:

- 1) 3 well/springs dry
- 2) 1 LA County well was not operating
- 3) 2 locations postpone in 3rd Qtr, to be sampled following redevelopment in 4th Qtr
- 4) Bulldog Spring reassigned from General Surveillance Monitoring group (a 3rd Qtr sampling event) to TA-16 260 Monitoring Group (a 4th Qtr sampling event)

Surface Water Protection



■ Days w/Measured Flow at any LANL Gage Station (>5 cfs)
 ■ Days w/Flow at LANL Boundary Stations E050.1, E060.1, E125, E250, E265, E267, E275, and E338 (>5 cfs)
 ■ Days w/Measured Flow at Buckman Early Notification Station E109.9 (>5 cfs) from LANL watersheds.

Notes:

- 1) In 3rd Qtr, 7 of the 10 days are flow at E122, which is perennial flow from the cooling towers in upper Sandia Canyon.

LANL 3,706 TRU Campaign Status Report – FY12 3rd Qtr. (April thru June 2012)

Processing Highlights

RANT (Shipping Facility):

- During single shift operation, shipped 62 shipments for a cumulative total of 150 shipments to WIPP in FY12 with a FY goal of 184 shipments.
- Began installation of a Mobile Loading Unit for system redundancy.
- Began construction on the RANT Transportation Center to support FY13 shipment ramp-up.

WCRRF (High Activity Drum Line):

- During split shift operation, the repackaging line performed remediation on 226 drum equivalents (DE), for a total of 547 DE since the beginning of the campaign.

Building 412 (Box Line):

- During single and split shift operation, the repackaging line performed remediation on 125 m3, for a total of 264 m3 since the beginning of the campaign.

- Multiple shifts allow for crew development & training in preparation for new box lines.

Dome 231 (Drums):

- Maintain schedule to complete conversion to Box Line readiness in August, 2012 with scheduled start-up in September, 2012.

Dome 375 (Large Box Line):

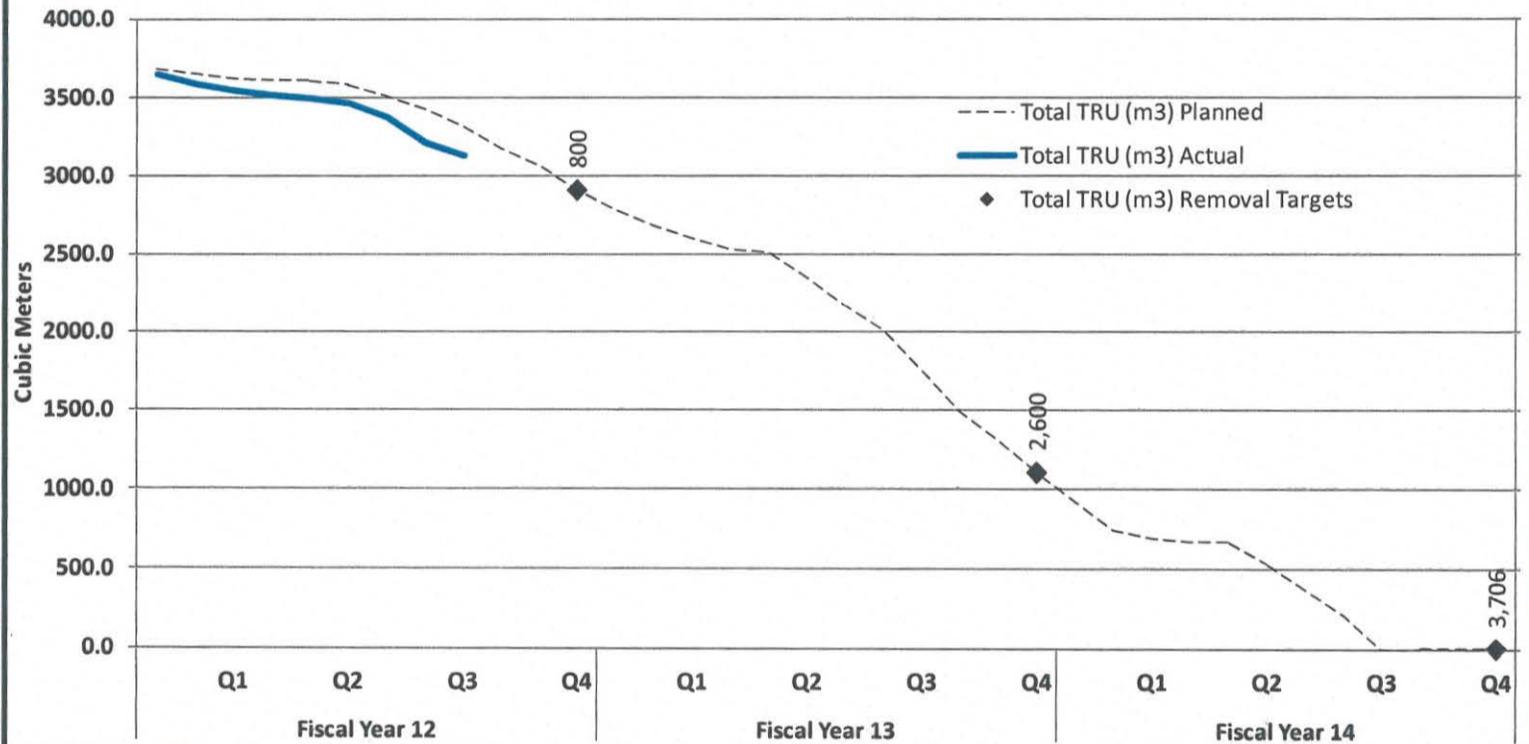
- Continues process capability construction (conversion to large box line) and is scheduled to be in operation on September, 2012.

Central Characterization Project:

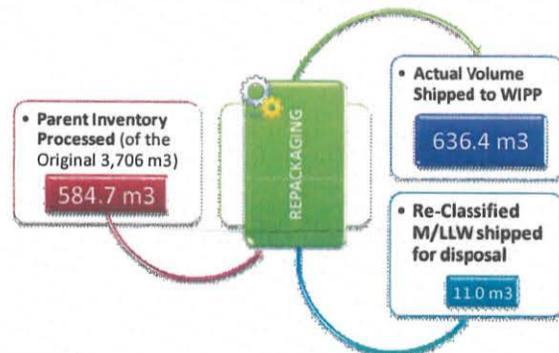
- Drum Venting System (DVS) operations started.
- As of June 30, 313 containers are approved in the Waste Disposal System database, and 663 are awaiting approval.

TRU Volume Removed		FY12 thru 07/01/12			PROJECTIONS FOR NEXT QUARTER *			
SHIPMENTS * (as of 07/01/12)		June 2014 Goal	Q3 Actual to Date	Cumulative Actual to Date	% Complete	End of 4th Qtr.	Cumulative by End of Qtr.	Cum. % Complete
3,706 TRU Campaign	Volume (m3)	3706.0	339.3	584.7	15.8%	403.9	800.0	22%
	Drum Equivalents	17817.3	1631.1	2811.2		1941.8	3846.2	
	Radioactivity (PE Ci)	41510.7	3357.5	12694.8		9914.3	22500.0	

3,706 LANL TRU Campaign Performance
(Target = 3,706 m3; Remaining = 3,121 m3)

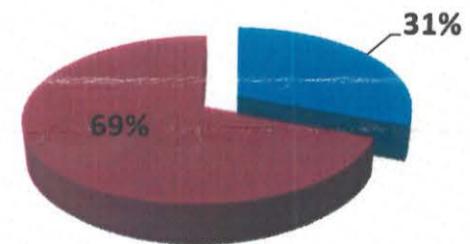


Parent vs. Shipped Volumes



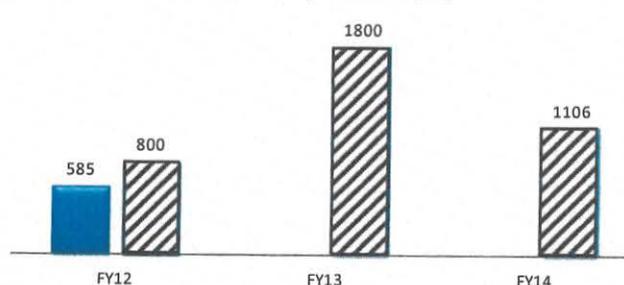
**MAR Removal - Total Campaign

■ PE-Ci's Removed ■ PE-Ci's Remaining



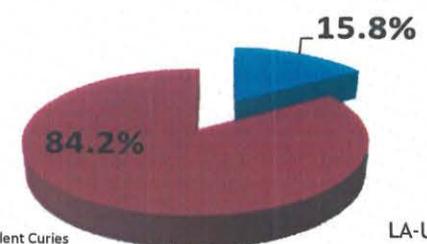
3,706 Goal vs. Progress (Volumes)

■ Actual (m3) ■ Planned (m3)



3,706 TRU Campaign Shipment Progress *

■ m3 Removed ■ m3 Remaining



* = Parent Volume
** = Material at Risk
PE-Ci = Plutonium Equivalent Curies