Subject: Re: Daily Technical Call Submission - June 9, 2014 EP2014-5164

Date: Monday, June 9, 2014 5:52:07 PM MT

From: George, Victoria A

To: Ryan.Flynn@state.nm.us, Jeff.Kendall@state.nm.us, tom.blaine@state.nm.us, John Kieling, steve.pullen@state.nm.us, Timothy.Hall@state.nm.us, Kliphuis, Trais, NMENV

CC: Pete Maggiore, Silas DeRoma, Cummings, Lisa, Nickless, David J, Bishop, M. Lee, Jeffrey Mousseau, Daniel Cox, Deborah Woitte, Kathryn Johns-Hughes, Kathryn Roberts, Brandt, Michael T, Alison Dorries, Anthony Grieggs, Sauer, Selena Z, Haagenstad, Mark P, dcsadmin User

Attached is the written daily submission from today's pre-scheduled technical call. The Permittees are submitting this pursuant to Section 19 of the May 19, 2014, *Administrative Order*, and Section VIII of the May 29, 2014, *Revised LANL Nitrate Salt-Bearing Waste Container Isolation Plan*.

If you have any revisions, please let me know.

We will talk with you on tomorrow's call.

Thank you

Tori

Tori George

Program Director for Regulatory Management
Los Alamos National Laboratory

505.606.2337
505.695.4347

NMED / LANL Technical Call

June 9, 2014

Participation:

- New Mexico Environment Department: Tom Blaine, John Kieling, Steve Pullen, Tim Hall, Cole Smith, Steve Holmes, Ricardo Maestas.
- LANL - Los Alamos National Security: Tori George, Deb Woitte, Mark Haagenstad, Enrique Torres.

LANL Technical Update:

- **Location of Nitrate Salt-Bearing Wastes**
  - Remediated nitrate salt-bearing waste containers.
    - All containers remain in the 375 Permacon.
  - Unremediated nitrate salt-bearing waste containers.
    - All containers remain in the 231 Permacon.
- **Monitoring - Daily Temperature**
  - Temperatures remain below 90°F.
- **Monitoring – Visual Inspections**
  - No abnormal conditions.
  - On June 6, LANL was conducting visual inspections of the nitrate salt-bearing containers in the 231 and 375 Permacons. However, one check took longer than expected, impacting the timing of the next hourly visual inspection.
  - On June 7, at approximately 1735, a rain / lightning / hail event caused a power sag on the utility grid and impacted some systems at TA-54 Area G. By design, the fire alarm panel in Building 11 went into a mode notifying of a need to inspect the system. Some of the CAMs in 375 triggered a maintenance alarm. Also, the event caused the ventilation system in 231 to go off line. LANL personnel responded promptly. The fire alarm panel was reset, Radiological Control Technicians reset the CAM alarms and verified all CAMs were operational, and the ventilation system was reset. Normal operations resumed at 2159 and nitrate salt-bearing container visual inspections resumed immediately.
- **Additional measures currently underway**
  - As a conservative measure, LANL is currently conducting additional monitoring on container 68685. This additional monitoring includes:
    - Collecting a daily head space gas sample.

- CO_2 - Moving towards equilibrium between SWB and drum. The Permittees are working with LANL chemistry SMEs, and will continue to watch this trend.
- H_2, CH_4, and VOCs - all below LFLs.
- This frequency of sampling requires periodic filter replacements on the SWB. LANL is performing these regular filter replacements.

- Hourly temperature measurements.
  - Temperatures remain below 90°F.

- **Anticipated Changes to Nitrate Salt-Bearing Waste Containers (e.g. movement, re-packaging).**
  - Currently, no further movements or re-packaging are planned.

- **Other**
  - LANL had planned to test the pull stations in the 231 Dome on June 6, 2013. However, LANL is rescheduling this test.
  - On June 6, the LANL wildland fire program conducted a walk-down of Area G. Area G's preparations were found to be satisfactory. Additionally, LANL is implementing a few small best management practices (BMPs) in non-boundary areas.

Requested Information / Pending Issues:

- **Information on post-1991 cemented wastes**
  - LANL has conducted Real-Time Radiography (RTR) on a substantial number of containers in the post-1991 cemented waste streams from this TA-55 process, and will provide this information to NMED.

- **Changes to AK documentation associated with S3000 waste**
  - LANL is not aware of any changes that have occurred to date. However, changes to CCP-AK-LANL-004 Rev 12 (associated with TA-50 TRU waste) and CCP-AK-LANL-009 Rev 9 (associated with CMR TRU waste) have been proposed and are being reviewed.

Summary Chart - Requested Information / Pending Issues:

	Requested Information	Actionee	Status	Completion Date
1.	NMED contact / process for LANL to notify NMED under the Revised Isolation Plan (e.g., 24 hour notices).	NMED	Provided in June 5 NMED email.	Complete June 5, 2014
2.	Keep NMED informed on the status of on-going chemistry / analytical work.	LANL	Current information provided to NMED in June 9 meeting.	Complete June 9, 2014
3.	On upcoming daily call, provide additional discussion on the potential for liquids in the 378 post-1991 cemented containers (including a discussion of the review of RTR tapes).	LANL	In progress. Provided additional discussion on June 6, 2014 call.	
4.	On upcoming call, provide additional discussion on why 231 and 375 Permacon fire suppression systems are not part of the LANL RCRA Hazardous Waste Facility Permit Contingency Plan.	LANL	Discussed June 5, 2014 tech call Action: Include information discussed in June 5 tech call in written daily submission.	Complete June 5, 2014 Included in this written submission.
5.	Send copy of June 4, 2014 written daily submission to Trais Kliphuis. Also, include her on future daily submissions.	LANL	---	Complete June 5, 2014
6.	Provide LANL procedures and example records associated with post-1991 TA-55 cementation process discussed on June 6.	LANL	In progress.	
7.	Provide information on numbers of containers in the post-1991 cemented waste streams from the TA-55 process discussed on June 6. This should include numbers regarding RTR status (RTR'd, meet WIPP criteria, requiring remediation).	LANL	In progress.	
8.	Provide RTR video and pre-screening information associated with those containers requiring remediation from the post-1991 cemented waste streams from the TA-55 process discussed on June 6.	LANL	In progress.	
9.	Provide copy of CCP/LANL Interface Document.	LANL	Provided to Trais Kliphuis by NWP/CCP via email on June 9.	Complete June 9, 2014

Next Call: Tuesday, June 10, 2014 - at 10 am.