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## NMED / LANL Technical Call

June 13, 2014

### Participation:

- New Mexico Environment Department: Trais Kliphuis, Steve Pullen, Tim Hall, Siona Briley, Cole Smith.
- LANL – Los Alamos Field Office: Silas DeRoma, Karen Armijo.
- LANL - Los Alamos National Security: Katie Roberts, Mark Haagenstad, Enrique “Kiki” 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.
- **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<sub>2</sub> - Moving towards equilibrium between SWB and drum. The Permittees are working with LANL chemistry SMEs, and will continue to watch this trend.
      - H<sub>2</sub>, CH<sub>4</sub>, and VOCs - all below LFLs.
      - LANL also continuing *solid phase micro-extraction* technique.
    - 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:**

- Emergency Preparedness

- LANL conducted the second of three facility walk-downs with the LAFD of Area G (with specific emphasis on nitrate salt-bearing waste in Permacons 231 and 375). We are conducting three walk-downs in order to provide information to each of the three LAFD shifts. The third walk-down is planned for next week.

**Summary Chart - Requested Information / Pending Issues:**

	<b>Requested Information</b>	<b>Actionee</b>	<b>Status</b>	<b>Completion Date</b>
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
10.	Provide a list of the analytes for which LANL is sampling HSG (CO <sub>2</sub> and LFL analytes).	LANL	---	Complete June 11, 2014
11.	Discuss potential sampling of HSG for NO <sub>x</sub> .	LANL	In progress.	
12.	Follow-up with Tim Hall regarding LANL Hazardous Waste Facility Permit and procedures that LANL is developing for possible future sampling of empty parent containers and unremediated nitrate salt-bearing containers at LANL.	LANL	In progress.	
13.	Respond to NMED email request for information associated with the nitrate salt-bearing parent and daughter waste containers.	LANL	In progress. Will obtain estimated delivery date.	
14.	NMED will review the Round Sheets (provided in June 11 summary) and inform LANL if these should be attachments to the Revised Plan, or if they fall under the provision in Section I of the Revised Isolation Plan and their identification during this technical call is sufficient.	NMED	NMED reviewing	
15.	NMED has requested 'copies of any waste processing, treatment, characterization stop orders issued since Feb 14, 2014.'	LANL	In progress.  LANL will also bring appropriate managers to a future call to provide information.	Complete  6/13/14 (Attachments 1 & 2 included with daily technical notes.)  Appropriate managers will attend 6/16/14 call to discuss current operations

**Next Call:** Monday, June 16, 2014 - at 10 am.

**Attachment 1**

**Standing Order EP-DIV-SO-20222-1**

**STANDING ORDER**

<b>1. Standing Order Number:</b>	EP-DIV-SO-20222, R.1	
<b>2. Standing Order Type: (check one)</b>	<input checked="" type="checkbox"/> <b>Division</b>	<input type="checkbox"/> <b>Facility</b>
<b>3. Applicable Facilities:</b>	All EWMO Facilities	
<b>4. Standing Order Title:</b>	EWMO Legacy TRU Waste Pause	
<b>5. Distribution List: (By Functional Title)</b>	TA-54 Timely Order Book, Waste Characterization, Reduction, and Repackaging Facility (WCRRF) Timely Order Book, Radioassay and Nondestructive Testing (RANT) Facility Timely Order Book, and Environmental Programs (EP) Document Control	
<b>6. Approval:</b>	<u>Steven M. Henry</u> / /s/ <u>Andy Baumer for</u> / <u>05/30/14</u> Print name Signature Date (Approval Authority for division-level standing orders is the FOD, for facility-level, the OM or designee.) <b>Standing Order Effective Date:</b> <u>05/30/14</u> <b>Convert this Standing Order to a procedure?</b> <input type="checkbox"/> Yes, by _____ <input checked="" type="checkbox"/> No Date	
<b>7. Purpose:</b>	This standing order directs that repackaging, treatment, and remediation of legacy transuranic (TRU) waste at EWMO-supported facilities be paused.	
<b>8. Actions and Duration:</b>	<b>8.1 Requirement</b> <p><b>PAUSE</b> all repackaging, treatment, and remediation of legacy TRU waste.</p> <p>The Pause <b>SHALL not</b> be lifted without approval from the Environmental and Waste Management Operations (EWMO) Facility Operations Director with concurrence from the Associate Director for Nuclear and High Hazard Operations (AD-NHHO).</p> <b>8.2 Duration</b> This standing order will remain in effect until cancelled or superseded.	
<b>9. Unreviewed Safety Question (USQ) Review:</b>	USQ process complete? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> N/A USQ No. (if applicable): If "N/A" is checked, then justify below: No entry conditions met. <b>USQ Qualified Evaluator (QEV)</b> <u>Chris Pilcher</u> / /s/ <u>Chris Pilcher</u> / <u>05/30/14</u> Print name Signature Date	



**Attachment 2**

**Standing Order EP-WCRR-SO-1241-4**



Standing Order Number:

<b>9. Unreviewed Safety Question (USQ) Review:</b>		
USQ process complete? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> N/A		
USQ No. (if applicable): WCRRF-14-248-D Rev. 0 _____		
If "N/A" is checked, then justify below:		
<b>USQ Qualified Evaluator (QEV)</b>		
<u>Lance Platter</u>	<u>/s/ Lance Platter</u>	<u>5-8-2014</u>
Print name	Signature	Date
<b>10. Derivative Classifier Review:</b>		
This document was reviewed to ensure proper classification and is classified as:		
<input checked="" type="checkbox"/> Unclassified <input type="checkbox"/> Unclassified Controlled Nuclear Information (UCNI)		
<input type="checkbox"/> Official Use Only (OUO) <input type="checkbox"/> Classified		
NOTE: If this document is OUO, UCNI, and/or classified, add the appropriate markings, distribution limitation statement, and guidance data block(s).		
<b>Derivative Classifier (DC)</b>		
<u>Art Crawford</u>	<u>/a/ Art Crawford</u>	<u>5-8-2014</u>
Print name	Signature	Date
<b>11. Standing Order Cancellation:</b>		
Choose one of the following: <input type="checkbox"/> USQ complete <input type="checkbox"/> N/A		
USQ No. (if applicable): _____		
<b>Responsible Manager</b> (FOD for division-level standing orders, OM or designee for facility-level)		
_____	_____	_____
Print name	Signature	Date

(Attach Attachment 2, Timely Order Reviewer Signoff Sheet, to document reviews of this standing order.)