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Sent: Monday, June 22, 2015 5:41 PM
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Subject: Unremediated Nitrate Salt-Bearing Waste Isolation Plan Temperature Control Update

Hello Katie and John:

Per our discussion with Katie and the message I left John earlier today (6/22/2015), LANL is providing the following update regarding temperature control for the TA-54 Dome 375 Permacon:

LANL management was notified today (6/22/2015) that two of the hourly ambient temperature measurements (90.61 and 90.04 °F) and one of the measurements from a SWB (90.20 °F) in the Permacon at TA-54 Dome 375 exceeded the 90 °F target temperature identified in the Isolation Plan during the hourly monitoring on 6/21/2015 (the hottest day of the year to date). Notification was made at the Plan of The Day for Area G. Investigation into the cause of the temperature increase identified that the compressor fan for HVA-003 had failed. As a result of this failure, there was no longer heat exchange taking place between the coils and the inflowing outside air. As a result, the temperature of the 54-0375 Permacon rose to near the ambient values (the HVAC system kept blowing the ambient air into the Permacon). Upon identification of the fan failure issue, an urgent request for repairs is being executed by the LANL Maintenance and Site Services (MSS) organization. A fan as well as a back-up compressor is being purchased and overnighted with repairs expected to be completed tomorrow (6/23/2015).

LANL will continue hourly temperature and visual monitoring and develop/evaluate compensatory measures in the event that repairs are delayed. LANL will provide updated notifications to NMED-HWB prior to implementation of compensatory measures. The information will also be provided in the Weekly Technical Submission Report and call on Thursday June 25th.

Please contact me if additional information would be helpful. Thanks!

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