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**From:** Haagenstad, Mark P  
**Sent:** Friday, July 18, 2014 9:17 AM  
**To:** Kieling, John, NMENV; Pullen, Steve, NMENV; Hall, Timothy, NMENV  
**Cc:** Brandt, Michael Thomas; Grieggs, Tony; Dodge, Bob; Diaz, Tammy Annette; Gallagher, Patricia E; Story, Steven L; Vigil-Holterman, Luciana R; Turner, Gene E  
**Subject:** LANL Waste Discrepancy Notification  
**Importance:** High

Dear Mr. Kieling:

The purpose of this email is to notify the New Mexico Environment Department Hazardous Waste Bureau (NMED-HWB) of a waste discrepancy as required by Permit Section 2.4.7(4).

On May 28, 2014, LANL shipped a “non-regulated liquid” waste under EPA manifest 006640125FLE to Veolia ES Technical Solutions. The manifest was returned to Los Alamos National Laboratory (LANL) in June 2014 with no noted discrepancies. On July 16, 2014 at 5:41 p.m., Veolia ES Technical Solutions notified LANL that the container (Number: W743790) received at the facility was field verified to have a pH of 1.32.

The waste profile (number: 19952) indicates the following constituents and quantities; calcium hydroxide at 0.1% to 30%, calcium fluoride at .1% to 30%, and water at 20% to 60%. This waste stream carries no EPA hazardous waste codes and the pH is reported at 6.1 to 9. The process description for this waste states: “THE HF REACTOR LOCATED AT TA 46-31-151 NETURALIZES HF GAS BY BUBBLING HF GAS THROUGH AN AQUEOUS SOLUTION OF CALCIUM HYDROXIDE. THE HF REACTS TO FORM SOLID CALCIUM FLUORIDE.” LANL is currently investigating the cause of the pH discrepancy and will provide additional information in the formal letter.

LANL will provide a letter to the NMED-HWB as a follow up to this email.

Please contact me at (505) 665-2014 if additional information would be helpful.

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