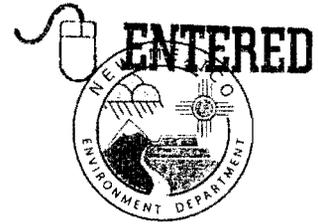




TA36  
**NEW MEXICO**  
**ENVIRONMENT DEPARTMENT**  
*Ground Water Quality Bureau*



BILL RICHARDSON  
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RON CURRY  
 Secretary  
 SARAH COTTRELL  
 Deputy Secretary

**CERTIFIED MAIL – RETURN RECEIPT REQUESTED**

November 10, 2010

Jeffrey M. Casalina  
 Deputy Designated Federal Official (DDFO)  
 Office of Environmental Operations (OEO)  
 U.S. Department of Energy  
 National Nuclear Security Administration  
 Los Alamos Site Office  
 3747 West Jemez Road MS A316  
 Los Alamos, NM 87544

Denny Hjeresen,  
 Acting ENV Division Director  
 Los Alamos National Security, LLC.  
 Los Alamos National Laboratory  
 P.O. Box 1663, MS J978  
 Los Alamos, NM 87544



**SUBJECT: Spill Response Assessment and Closure of Release ID# 2010-271 Occurring at Monitoring Well PCAO-9, reported to NMED on August 17, 2010**

Dear Messrs. Casalina and Hjeresen:

On August 17, 2010, representatives of Los Alamos National Security, LLC (LANS) verbally reported an unauthorized discharge to the New Mexico Environment Department (NMED) Ground Water Quality Bureau (GWQB) as required by 20.6.2.1203 NMAC of the Water Quality Control Commission (WQCC) Regulations. The report identified ground water in monitoring well PCAO-9 with recently confirmed detection levels of chloride at 590 mg/L which exceeds the WQCC standard of 250 mg/L and total dissolved solids at 1,740 mg/L which exceeds the WQCC standard of 1,000 mg/L. According to the report submitted by LANS, the source and extent for these exceedances may have been caused by the use of road de-icer in the area. The depth at which the exceedances were confirmed in ground water is approximately six feet below ground surface (bgs). Monitoring well PCAO-9 is located in lower Pajarito Canyon, TA-36, at Los Alamos National Laboratory.

**Corrective actions to address this release are being coordinated with the NMED Hazardous Waste Bureau (HWB) in accordance with the Compliance Order on Consent (Consent Order) proceeding under the New Mexico Hazardous Waste Act § 74-4-10 and the New Mexico Solid Waste Act § 74-9-36(D) between NMED and the United States Department of Energy and the Regents of the University of California for Los Alamos National Laboratory. Based on the information in the Release/Discharge Notification submitted by**



Messrs. Jeffrey Casalina and Denny Hjeresen  
November 10, 2010  
p. 2

**LANS to GWQB on August 23, 2010 in accordance with 20.6.2.1203 NMAC, and because corrective actions are being coordinated with the HWB under the Consent Order, no further action is required at this time for release ID#2010-271. Please continue to coordinate any additional corrective actions related to the release with the HWB.**

The GWQB reserves the right to require additional corrective actions not already being required should LANS fail to complete corrective actions to the satisfaction of the HWB. Furthermore, nothing in this letter shall be construed as relieving the United States Department of Energy or LANS, of its obligation to comply with all other applicable federal, state, and local laws, regulations, permits or orders.

If you have any questions, please contact either Jennifer Fullam at (505) 827-2909 or George Schuman, Program Manager of the Ground Water Pollution Prevention Section, at (505) 827-2945.

Sincerely,



William C. Olson, Chief  
Ground Water Quality Bureau

WO:JF

cc: Mr. Gene Turner, DOE/AIP/POC, U.S. Department of Energy, Los Alamos Site Office,  
MS 16 528 35<sup>th</sup> Street, Los Alamos, NM 87545  
Ms. Tori George, LANS/LANL-EP-RS, LLC P.O. Box 1663 MS M992 Los Alamos, New  
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Dave Cobrain, NMED/HWB  
Steve Yanicak, NMED/DOE/OB  
Erik Galloway, NMED/DOE/OB