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TA16

NEW MEXICO
ENVIRONMENT DEPARTMENT

Ground Water Quality Bureau

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ENTERED



RON CURRY
Secretary
SARAH COTTRELL
Deputy Secretary

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

August 25, 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# 2010-269 Occurring at Monitoring Well CDV-16-02655 and MSC-16-06293, confirmed on May July 8, 2010

Dear Messrs. Casalina and Hjeresen:

On July 9, 2010, representatives of Los Alamos National Security, LLC (LANS) 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 with recently confirmed detection levels of aluminum at 23.7 mg/L which exceeds the WQCC standard of 5.0 mg/L in alluvial aquifer monitoring well CDV-16-02655 and detection levels of boron at 0.929 mg/L in alluvial monitoring well MSC-16-06293 which exceeds the WQCC standard of 0.75 mg/L. According to the report submitted by LANS, the source and extent of the exceedance for aluminum may have been caused by colloidal aluminum from the native soil and not associated with a release from the facility. The exceedance for boron was not identified in the report. The depth at which the exceedances were confirmed in ground water is approximately two feet below ground surface (bgs). Monitoring well CDV-16-02655 is located near Canyon de Valle and MSC-16-06293 is located near Martin Spring Canyon, TA-16, 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

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Messrs. Jeffrey Casalina and Denny Hjeresen

August 25, 2010

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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 LANS to GWQB on May 25, 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#2010-269. 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,

Handwritten signature of George Schuman in cursive, with the text "George Schuman" and "E-W. Olson" written below it.

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 35th Street, Los Alamos, NM 87545
Ms. Tori George, LANS/LANL-EP-RS, LLC P.O. Box 1663 MS M992 Los Alamos, New
Mexico 87545-0001
Tina Sandoval, LANS/ENV-RCRA/WQ, P.O. Box 1663, MS K490, Los Alamos, New
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Sonia Hall, U.S. EPA-R6, Water Enforcement Branch (6EN-WC), 1445 Ross Ave., Suite
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Steve Yanicak, NMED/DOE/OB
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