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LALR Groundwater
Water Canyon 11/20/10
Canon de Valle



NEW MEXICO
ENVIRONMENT DEPARTMENT



Ground Water Quality Bureau

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CERTIFIED MAIL – RETURN RECEIPT REQUESTED

August 26, 2011

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# 2011-310 occurring at Monitoring Wells CdV-R-15-3 and 16-2644, reported to NMED on July 14, 2011

Dear Messrs. Casalina and Hjeresen:

On June 15, 2011, 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 New Mexico Administrative Code (NMAC) of the Water Quality Control Commission (WQCC) Regulations. The report identified ground water with recently confirmed detection levels of manganese at 0.223 mg/L which exceeds the WQCC standard of 0.20 mg/L in regional aquifer monitoring well CdV-R-15-3. This well is located in Canon de Valle with a depth to water of approximately 1,200 feet. The source(s) of the exceedance was not identified in the report. Exceedances in ground water standards for manganese were previously reported in LANL release/discharge notification ID 2010-279 in which NMED GWQB responded on November 10, 2010 requiring no further action. In accordance with NMED's letter, dated February 10, 2010, notification of ground water exceedances is only required for new detections of exceedances of the ground water standards set forth in 20.6.2.3103 NMAC or the presence of a previously undetected toxic pollutant as defined in 20.6.2.7.WW NMAC, in accordance with 20.6.2.1203 NMAC.

The report also identified ground water with recently confirmed hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) at a concentration of 0.0965 mg/L on April 20, 2010 and 0.0161 mg/L on July

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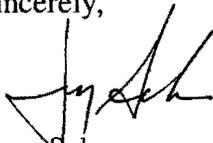
22, 2010 in intermediate aquifer monitoring well 16-26644. This well is located in Water canyon within Los Alamos National Laboratory with a depth to water of approximately 130 feet. Hexahydro-1,3,5-trinitro-1,3,5-triazine (RDX) (CAS No. 121-82-4) at a concentration of 0.0061 mg/L is considered to be a toxic pollutant as defined under 20.6.2.7(WW) NMAC and is derived from the EPA Regional Screening Levels (RSL) for residential tap water dated June 2011 (adjusted accordingly to a 1:100,000 carcinogenic risk as defined under 20.6.2.7(WW) NMAC from the 1:1,000,000 risk level provided in EPA RSL). The source(s) of the exceedance was not identified in the report.

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 LANS to GWQB on July 21, 2011 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#2011-310. 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 Clint Marshall, Acting Program Manager of the Ground Water Pollution Prevention Section, at (505) 827-0027.

Sincerely,



Jerry Schoeppner, Acting Chief
Ground Water Quality Bureau

JS: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
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