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Deputy Secretary

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

July 31, 2015

Mr. Gene Turner, DOE/AIP/POC
U.S. Department of Energy
Los Alamos Site Office, MS A316
3747 West Jemez Road
Los Alamos, NM 87544

Ms. Alison Dorries, ENV Division Director
Los Alamos National Security, LLC
Los Alamos National Laboratory
P.O. Box 1663, MS K404
Los Alamos, NM 87544

SUBJECT: Spill Response Assessment and Closure of Release ID# 2015-408 occurring at Piezometers SCPZ-2, SCPZ-5, SCPZ-8, SCPZ-11(B), and Monitoring Well CDV-9-1(i), reported to NMED on July 15, 2015

Dear Mr. Turner and Ms. Dorries:

On July 15, 2015, representatives of Los Alamos National Security, LLC (LANS) verbally reported several unauthorized discharges to the New Mexico Environment Department (NMED) Ground Water Quality Bureau (GWQB) as required under 20.6.2.1203 NMAC of the Water Quality Control Commission (WQCC) Regulations. The report identified recently confirmed detection levels of contaminants in four piezometers and an intermediate monitoring well (ID# 2015-208) at the following detection limits:

- Chromium at 0.0517 mg/L in a piezometer identified as SCPZ-2 which exceeds the WQCC standards of 0.05 mg/L. The piezometer is used for Sandia Wetland Stabilization Monitoring with a depth to water of approximately two feet.
- Iron at 8.89 mg/L and manganese at 1.62 mg/L in a piezometer identified as SCPZ-5 which exceed the WQCC standards of 1.0 mg/L for iron and 0.2 mg/L for manganese. The piezometer is used for Sandia Wetland Stabilization Monitoring with a depth to water of approximately one foot.
- Iron at 4.82 mg/L and 4.52 mg/L (field duplicate) in a piezometer identified as SCPZ-8 which exceed the WQCC standards of 1.0 mg/L. The piezometer is used for Sandia Wetland Stabilization Monitoring with a depth to water of approximately one foot.



- Manganese at 1.73 mg/L and 1.62 mg/L (field duplicate) in a piezometer identified as SCPZ-8 which exceed the WQCC standards of 0.2 mg/L. The piezometer is used for Sandia Wetland Stabilization Monitoring with a depth to water of approximately one foot.
- Iron at 6.58 mg/L and manganese at 0.375 mg/L in a piezometer identified as SCPZ-11(B) which exceed the WQCC standards of 1.0 mg/L for iron and 0.2 mg/L for manganese. The piezometer is used for Sandia Wetland Stabilization Monitoring with a depth to water of less than one foot.
- RDX at 0.0373 mg/L and 0.0324 mg/L (field duplicate) in intermediate monitoring well identified as CdV-9-1(i). RDX is considered to be a toxic pollutant as defined under Subsection WW of 20.6.2.7 NMAC at a concentration of 0.0061 mg/L as derived from the tap water screening levels in the most current version of *NMED Risk Assessment Guidance for Site Investigations and Remediation: Table A-1*. This well is located on the north side of Canon de Valle with a depth to water of approximately 892 feet

Corrective actions to address these releases are reportedly being coordinated with the NMED Hazardous Waste Bureau (HWB) in accordance with the Compliance Order on Consent (Consent Order), between NMED and the United States Department of Energy and the Regents of the University of California for Los Alamos National Laboratory, under the New Mexico Hazardous Waste Act § 74-4-10 and the New Mexico Solid Waste Act § 74-9-36(D). Based on the information in the Release/Discharge Notification submitted by LANS to GWQB on July 21, 2015, 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# 2015-408.

The GWQB reserves the right to require additional corrective actions should LANS fail to complete corrective actions to the satisfaction of the HWB. Further, nothing in this letter shall be construed as relieving the United States Department of Energy or LANS of the obligation to comply with all other applicable federal, state, and local laws, regulations, permits or orders.

If you have any questions, please contact either Gerald Knutson at (505) 827-2996 or me at (505) 827-2936.

Sincerely,



Steven Huddleson, P.G., C.P.G.
Program Manager
Pollution Prevention Section
Ground Water Quality Bureau

SH:GK

cc: Steven Huddleson, NMED GWQB (electronic copy)
Greg Huey, NMED GWQB (electronic copy)

Mr. Turner and Ms. Dorries

July 31, 2015

Page 3

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