



SUSANA MARTINEZ
Governor
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Lieutenant Governor

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**NEW MEXICO
ENVIRONMENT DEPARTMENT**

2905 Rodeo Park Drive East
Building 1
Santa Fe, New Mexico 87505
Telephone (505) 476-4397 Fax (505) 476-4374
www.nmenv.state.nm.us



RYAN FLYNN
Cabinet Secretary
BUTCH TONGATE
Deputy Secretary

December 15, 2014

Mr. Anthony Grieggs
Los Alamos National Laboratory
Environmental Protection Division
Water Quality & RCRA Group (ENV_RCRA)
PO Box 1663, MS K490
Los Alamos, New Mexico 87545

RE: Los Alamos National Laboratory TA-55 RLUOB Facility, Los Alamos, New Mexico

Facility #: 54763

RID #: 4670

Dear Mr. Grieggs:

This letter follows the New Mexico Environment Department - Petroleum Storage Tank Bureau's (PSTB) review of the case file for the Los Alamos National Laboratory TA-55 RLUOB Facility leaking petroleum storage tank (LPST) site. On January 22, 2013, stained soil was noted and approximately 419 gallons of low sulfur diesel fuel had leaked from a pipe union inside a sump and overflowed onto the ground.

Initial removal of diesel contaminated soil began on January 22, 2013 and continued periodically into March 2013. Approximately 100 yds³ of diesel contaminated soil were hand shoveled and disposed of offsite. The volume excavated equates to approximately 340 gallons equivalent, resulting in approximately 80 gallons of diesel not recovered by excavation. In March 2013, analysis of soil samples collected at the bottom and sides of the excavation showed TPH-DRO to be above the GWQB RBSLs. To enhance natural attenuation of TPH-DRO prior to backfilling, from July 22-Aug. 2, 2013, Micro-Blaze® was applied to the floor & sidewalls of the excavation daily for 10 days. Soil was re-sampled on Aug. 5, 2013

Between April 22 and 24, 2014, five soil borings were advanced to depths of 54 feet to define the vertical and horizontal extent of the soil contamination. Contaminated soil was detected to approximately 32 feet in the boring advanced in the former excavation. TPH-DRO concentration was 6,500 mg/kg at the bottom of the backfilled excavation at 8.5 feet and decreased to <5 mg/kg from 48-49 feet and 53-54 feet. Concentrations of benzene, toluene, ethylbenzene, total xylenes, naphthalene and benzo(a)pyrene were below laboratory detection limits in all samples. The depth to groundwater at the site is approximately 1,300 ft. Actions taken by the responsible party have satisfied the requirements of 20.5 NMAC.



Mr. Anthony Grieggs

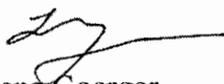
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However, since contaminated soil remains under the foundation of the tank pit and Los Alamos National Laboratory is party to a consent order by the New Mexico Hazardous Waste Act the PSTB refers the LPST site known as the Los Alamos National Laboratory TA-55 RLUOB Facility to the Hazardous Waste Bureau (HWB).

The PSTB will be available for review and consultation to the HWB in matters relating to the petroleum hydrocarbon contamination. If you have any questions, please contact me at (505) 476-4385.

Sincerely,



Lorena Goerger
Manager, Remedial Action Program
Petroleum Storage Tank Bureau

LG:SvG:tp

cc: Neelam Dhawan, Hazardous Waste Bureau, NMED
Dana Bahar, Bureau Chief, PSTB
Jim Gibb, Geoscientist Supervisor, PSTB
Susan von Gonten, Project Manager, PSTB
Jennifer Foote, Prevention and Inspection Program, PSTB
Robert Italiano, Manager NMED District II (via email)
Lorena Goerger, Data Manager, PSTB
PSTB Master File Santa Fe