



SUSANA MARTINEZ
Governor

JOHN A. SANCHEZ
Lieutenant Governor

**NEW MEXICO
ENVIRONMENT DEPARTMENT**

Hazardous Waste Bureau

2905 Rodeo Park Drive East, Building 1
Santa Fe, New Mexico 87505-6303
Phone (505) 476-6000 Fax (505) 476-6030
www.nmenv.state.nm.us



DAVE MARTIN
Secretary

BUTCH TONGATE
Deputy Secretary

JAMES H. DAVIS, Ph.D.
Director
Resource Protection Division
EP2012-5249

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

October 10, 2012

Peter Maggiore
Assistant Manager
U.S. Department of Energy
National Nuclear Security Administration
Los Alamos Site Office
3747 West Jemez Rd, MS A316
Los Alamos, NM 87544

Jeffrey Mousseau
Associate Director Environmental Programs
Los Alamos National Security, L.L.C.
P.O. Box 1663, MS M991
Los Alamos, NM 87545

**RE: EXTENSION REQUEST
INSTALLATION OF SAMPLING SYSTEMS AT
WELLS R-5, R-7, R-8 AND R-9i AND SUBMITTAL OF
LETTER CONFIRMING THE INSTALATION
LOS ALAMOS NATIONAL LABORATORY
EPA ID#NM0890018
HWB-LANL-12-GW MISC**

Dear Messrs. Maggiore and Mousseau:

The New Mexico Environment Department (NMED) is in receipt of the United States Department of Energy (DOE) and Los Alamos National Security, L.L.C.'s (collectively, the Permittees) document entitled *Request for Extension to Install Sampling Systems at Wells R-5, R-7, R-8 and R-9i and to Submit the Letter Confirming Installation* (Request) dated September 25, 2012 and referenced by EP2012-0200.

The Permittees request an extension to complete the sampling system installation from October 11, 2012 to June 30, 2014 and an extension to submit the associated letter confirming completion of the installations from November 2, 2012 to July 30, 2014. The Permittees request the extensions due to their reallocation of resources to the shipment of transuranic (TRU) waste stored at Technical Area (TA) 54 to the Waste Isolation Pilot



Plant, located in Eddy County, New Mexico and in order to use limited remaining resources for the installation of sampling systems in wells CdV-R-15-3, CdV-R-37-2 and the conversion of well CdV-16-4ip to a single screened well. These wells are located at Technical Area (TA) 16. Intermediate perched and regional aquifer groundwater beneath portions of TA-16 has been affected by releases of explosive compounds. RDX, listed as a toxic pollutant under 20.6.2.WW NMAC, has been detected at concentrations two orders of magnitude greater than the NMED tap water screening level in samples obtained from well CdV-16-4ip, which intersects intermediate zone groundwater.

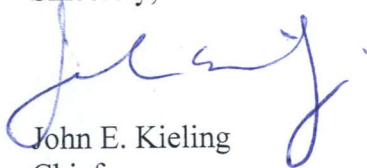
NMED agrees that installation of purgeable sampling systems in the wells located at TA-16 listed above is a higher priority than conversion of the sampling systems at wells R-5, R-7, R-8 and R-9i. Therefore, the dates for installation of purgeable sampling systems, and submittal of the letter confirming completion of the work at R-5, R-7, R-8 and R-9i, have been changed from October 11, 2012 and November 2, 2012 to **June 30, 2014** and **July 30, 2014**, respectively. The completion of the sampling system installations at TA-16 must be completed in place of the conversion of wells R-5, R-7, R-8 and R-9i. As part of the sampling system installations in the TA-16 wells, the Permittees must install a pump in well 16-4ip that is capable of extracting contaminated groundwater at the highest possible rate based on the specific capacity of the well. The pump must be capable of serving as a component of an interim measure groundwater extraction and treatment system.

The installation of sampling systems in wells CdV-R-15-3, CdV-R-37-2 and CdV-16-4ip must be completed no later than **June 30, 2013**. The Permittees must make every effort to complete the installation of sampling systems in all of the wells referenced in this letter as soon as is practicable but no later than the specified due dates. The Permittees must notify NMED, within 30 days of receipt of such information, should funds become available in the future that allow for installation of the sampling systems prior to the due dates required by this letter.

Messrs. Maggiore and Mousseau
October 10, 2012
Page 3

Please contact Dave Cobrain at (505) 476-6055 if you have questions.

Sincerely,



John E. Kieling
Chief
Hazardous Waste Bureau

cc: D. Cobrain, NMED HWB
N. Dhawan, NMED HWB
M. Dale, NMED HWB
J. Kulis, NMED HWB
B. Wear, NMED HWB
T. Skibitski, NMED DOE OB
S. Yanicak, NMED DOE OB, MS M894
L. King, EPA 6PD-N
S. Paris, EP-CAP, MS A992
D. Katzman, EP-CAP, MS A992
H. Shen, DOE-LASO, MS A316

File: Reading and LANL 2012 -Groundwater, Wells R-5, R-7, R-8, R-9i, CdV-R-15-3, CdV-R-37-2, and CdV-16-4ip

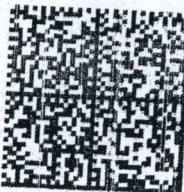
Valerie Maestas
NAME *Valerie Maestas*
Z# 103420
DATE 10/12/12

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New Mexico Environment Department
Hazardous Waste Bureau
2905 Rodeo Park Drive East Bldg.1
Santa Fe, New Mexico 87505

Jeffrey D. Mousseau, Associate Director
Environmental Programs
Los Alamos National Security, L.L.C.
P.O. Box 1663, MS-991
Los Alamos, New Mexico 87545

AISO

