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 ENTERED



GROUND WATER

JUN 07 2012

BUREAU

Environmental Protection Division
Water Quality & RCRA Group (ENV-RCRA)
P.O. Box 1663, MS K490
Los Alamos, New Mexico 87545
505-667-0666

Date: JUN 06 2012
Refer To: ENV-RCRA-12-0118
LAUR: 12-21541

Mr. Jerry Schoeppner
Ground Water Quality Bureau
New Mexico Environment Department
Harold Runnels Building, N2250
1190 St. Francis Drive
P.O. Box 26110
Santa Fe, New Mexico 87502

Mr. James Hogan
Surface Water Quality Bureau
New Mexico Environment Department
Harold Runnels Building, N2050
1190 St. Francis Drive
P.O. Box 5469
Santa Fe, New Mexico 87502-5469

Dear Mr. Schoeppner and Mr. Hogan:

**SUBJECT: NOTICE OF INTENT FOR DECHLORINATED POTABLE WATER
DISCHARGE FROM FIRE PROTECTION SYSTEM AT LOS ALAMOS
NATIONAL LABORATORY, TECHNICAL AREA (TA) 3 BUILDING 2322**

Enclosed is a Notice of Intent to Discharge (NOI) that has been prepared by Los Alamos National Security, LLC (LANS) for submittal to the New Mexico Environment Department pursuant to 20.6.2.1201 NMAC of the New Mexico Water Quality Control Commission Regulations and the Los Alamos National Laboratory (LANL) Liquid Discharge Reporting Guidance (Decision Tree), dated March 10, 2009.

Laboratory Fire Protection personnel need to conduct a 5-year pressure test and hydrostatic test of the Dry Standpipe System, at TA-3-2322 in accordance with *NFPA 25 Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems 2008 Edition*. The water being discharged during the test is from a potable source and will be dechlorinated prior to reaching the stormdrain on the roof of Building 2322. The proposed discharge will enter a corrugated metal stormdrain that drains to Two-Mile Canyon. The discharge will be conducted in a manner to minimize environmental impacts.



Mr. Jerry Schoeppner and Mr. James Hogan -2-
ENV-RCRA-12-0118

Please contact Jacob Meadows at (505) 606-0185 of the Water Quality and RCRA Group (ENV-RCRA) if you have questions.

Sincerely,



Anthony R. Grieggs
Group Leader
Water Quality & RCRA Group

ARG:JM/lm

Enclosure: 1. NOTICE OF INTENT FOR DECHLORINATED POTABLE WATER DISCHARGE
FROM TA-3-2322 FIRE PROTECTION SYSTEM

Cy: Jennifer Fullam, NMED/GWQB, Santa Fe, NM, w/enc.
Richard Powell, NMED/SWQB, Santa Fe, NM, w/enc.
Steven Yanicak, NMED/DOE/OB, w/enc., M894
Gene Turner, LASO-EO, w/enc., A316, (E-File)
Carl A. Beard, PADOPS, w/o enc., A102,
Michael T. Brandt, ADESH, w/o enc., K491, (E-File)
Alison M. Dorries, ENV-DO, w/o enc., K491, (E-File)
Michael Saladen, ENV-RCRA, w/enc., K490, (E-File)
Jacob Meadows, ENV-RCRA, w/enc., K490, (E-File)
Marc Gallegos, ENV-ES, w/enc., E509, (E-File)
IRM-RMMSO, w/enc., A150, (E-File)
ENV-RCRA, Correspondence File, w/enc., K490

ENCLOSURE 1

Notice of Intent for Dechlorinated Potable Water
Discharge from TA-3-2322 Fire Protection System

ENV-RCRA-12-0118

LAUR-12-21541

JUN 06 2012

Date: _____

**NOTICE OF INTENT FOR DECHLORINATED POTABLE WATER
DISCHARGE FROM TA-3-2322 FIRE PROTECTION SYSTEM**

1. **Name and address of facility making the discharge.**
Los Alamos National Laboratory
P.O. Box 1663
Los Alamos, New Mexico 87545

2. **Location of the discharge (In Township, Range and Section, if available).**
TA-3-2322 (Approximate Coordinates: 35° 52' 24.19" N, 106° 19' 34.72" W)

3. **The means of discharge. (To lagoon, Flowing stream, Water course, Arroyo, Septic tank, other).**
A proposed discharge of dechlorinated, potable water as required by **NFPA 25 Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems 2008 Edition** at TA-3-2322.

The proposed discharge will take place on the roof of TA-3-2322 where it will enter the building's stormdrain system which is connected to a corrugated stormdrain that drains to Two-Mile Canyon. LANS does not anticipate erosion impacts, however, the discharge will be monitored to ensure any potential impacts will be minimized.

The proposed discharge is not within the boundaries of any Solid Waste Management Units or Areas of Concern.

4. **The estimated concentration of contaminants (if any) in the discharge.**
The water being discharged during the test is from a potable source and will be dechlorinated prior to reaching the stormdrain on the south side of Building 2322.

5. **The type of operation from which the discharge is derived.**
A 5-year pressure and hydrostatic test of the Dry Standpipe System, at TA-3-2322 will be conducted in accordance with **NFPA 25 Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems 2008 Edition**.

6. **The estimated flow to be discharged per day.**
The test will be conducted during one day. The total maximum discharge is 10,000 gallons based on the pressure attained in the fire suppression system and the duration of the test.

7. **The estimated depth to Ground-Water (if available).**
Approximately 1,000 feet.