

TA-3



*Environmental Protection Division
Water Quality & RCRA (ENV-RCRA)*
P.O. Box 1663, Mail Stop K490
Los Alamos, New Mexico 87545
(505) 667-0666/FAX: (505) 667-5224

Date: January 26, 2007
Refer To: ENV-RCRA: 07-016
LA-UR: 06-6669

Ms. Marcy Leavitt, Bureau Chief
Surface Water Quality Bureau
New Mexico Environment Department
Harold Runnels Building, Room N2050
P.O. Box 26110
1190 St. Francis Drive
Santa Fe, NM, 87502

**SUBJECT: POTABLE WATER RELEASE NEAR TECHNICAL AREA (TA) 03
BUILDING 410, REQUEST FOR CLOSURE UNDER NMWQCC
REGULATIONS**

Dear Ms. Leavitt:

On January 11, 2006, the Laboratory's Water Quality and RCRA Group (ENV-RCRA) notified the New Mexico Environment Department (NMED) of a potable water release to the environment pursuant to the New Mexico Water Quality Control Commission (NMWQCC) Regulations (20.6.2 NMAC). The release occurred from a ruptured water line near TA-3-410.

The Laboratory has submitted all NMWQCC notification and reporting requirements, and completed corrective actions associated with this release. Enclosed for your review is the Updated Release / Discharge Notification form (Enclosure 1).

The Laboratory is requesting that NMED closeout this release under the NMWQCC Regulations (20.6.2 NMAC). Please contact Mark Haagenstad at (505) 665-2014 if additional information would be helpful.

Sincerely,

Anthony R. Grieggs
Group Leader
Water Quality & RCRA Group (ENV-RCRA)



5838

ARG/MH/tag

Enclosure: a/s

Cy: Richard Powell, NMED/SWQB, Santa Fe, NM, w/enc.
Chris Vick, NMED/GWQB, Santa Fe, NM, w/enc.
Steve Connolly, NMED/HWB, Santa Fe, NM, w/enc.
Steve Yanicak, NMED/OB, w/enc., MS J993
Erik Galloway, NMED/OB, w/enc, MS J993
Gene Turner, NNSA/LASO, w/enc., MS A316
Richard V. Bynum, PADOPS, w/enc., MS A102
Richard Watkins, ADESHQ, w/o enc., MS K491
Tori George, ENV-DO, w/o enc., MS J978
Mike Saladen, ENV-RCRA, w/o enc., MS K490
Mark Haagenstad, ENV-RCRA, w/enc., MS K490
Andrew Erickson, FME-IFCS, w/enc., MS P908
Alva Sisneros, QA-OA, w/enc., MS M987
ENV-RCRA, File, w/enc., MS K490
IRM-RMMSO, w/enc., MS A150

Enclosure 1

RELEASE / DISCHARGE NOTIFICATION

LOS ALAMOS NATIONAL LABORATORY LA-UR-07-0295

Permit Number: NM0028355

Calendar Year

2007

NPDES or Operational Spill/Release

ER Spill/Release

Other Spill/Release

Indicate with "X" in appropriate box.

Release ID Number:

169

Responsible Facility/User Group: FME-IFCS

Contact Person: Andrew Erickson

Pager #: 664-5913

Phone #: 665-2272

Cell Phone #: 231-1430

Release/Discharge Location:

TA: 3

Building: 410

Due to cold weather conditions, a 10-inch water main ruptured northwest of TA-3-410. The water flowed over pavement, into a storm drain, and entered a small tributary to upper Sandia Canyon.

If the release/discharge is associated with a NPDES Outfall, Potential Release Site (PRS) or Solid Waste Management Unit (SWMU), indicate the site/unit number and its relationship to the release/discharge:

NPDES Outfall:

PRS:

SWMU:

PRS/SWMU Number: 03-012(b), 03-045(a), C-00-007

Indicate with "X" in appropriate box(es).

Relationship of the Discharge to a SWMU or PRS:

The majority of the potable water released by the waterline break near TA-3-410 flowed into the small drainage channel located south of TA-3-22, which includes portions of consolidated SWMU 03-012(b)-00 and SWMU 03-045(a). Laboratory personnel assessed the site on 1/10/2007 and noted that the water reached the head of Sandia Canyon which is Area of Concern (AOC) C-00-007. There was evidence that water flowed across the southern portion of consolidated SWMU 03-012(b)-00 and the eastern end of SWMU 03-045(a). However, no sediment movement or erosion was observed within the SWMU boundaries; the water flowed over snow and ice remaining within the drainage channel, pooled and froze where the ground was frozen, and infiltrated into channel sediments where the ground was not frozen. There appears to have been no adverse impact from the water release onto the SWMU. There were no discharges from the SWMUs.

Discharge Occurred: 1/10/2007 7:15 a.m.
Date & Time

Discharge Discovered: 1/10/2007 7:15 a.m.
Date & Time

Discharge Stopped: 1/10/2007 8:45 a.m.
Date & Time

Cleanup Started: 1/10/2007 7:15 a.m.
Date & Time

Cleanup Completed: 1/10/2007 5:00 p.m.
Date & Time

Material(s) Released / Discharged:

Potable Water.

Release/Discharge Mitigation Method:

Laboratory Utilities personnel shut off the water main at ~8:45 a.m. on 1/10/2007 to conduct repairs on the system. Laboratory Utilities personnel repaired the broken waterline at ~5:00 p.m. on 1/10/2007.

Weather Conditions:

Very cold, clear.

Duration of Release/
Discharge, in HOURS: 1.5

Est. Volume Released/
Discharged, in gallons. 5,000

Est. Volume Recovered,
in gallons. 0

Corrective Actions Taken (ie, type of BMPs, etc):

ENV-RCRA personnel assessed the release site on 1/10/2007. Additionally, 1/10/2007, ENV-RCRA assessed where the water flowed in upper Sandia Canyon.

Nearest Watercourse (Canyon Name)

Sandia Canyon

If the release/discharge reached a watercourse, describe the estimated surface area affected, presence of release/discharge now in the watercourse, and the media the release/discharge was detected in:

The potable water flowed onto asphalt, into a storm drain, and entered Upper Sandia Canyon. There did not appear to be any erosion impacts in the watercourse in Upper Sandia Canyon.

Depth to Groundwater, in FT, if known:

Distance to Nearest Drinking Water Well, in FT, if known: Well ID#

24-HOUR RELEASE / DISCHARGE NOTIFICATIONS

	Contact Person	Phone	Fax	Date & Time (or Comment)	
EPA:	Sonia Hall	214-665-7490	214-665-2168	1/17/2007	7-Day Spill Report
NMED/SWQB:	Richard Powell	827-2798	827-0160	1/11/2007	verbal at 8:39 a.m.
NMED/GWQB:	Chris Vick	827-0078	827-2965	1/11/2007	verbal at 8:42 a.m.
NMED/HRMB:	Steven Connolly	476-6000	476-6030	1/11/2007	verbal at 8:44 a.m.
NMED/DOE-OB:	Erik Galloway	476-6024	476-6030	1/11/2007	verbal at 8:50 a.m.
ENV-RCRA:	Mark Haagenstad	665-2014	665-9344	1/10/2007	8:15 a.m.
DOE:	Gene Turner	667-5794	505-665-4872	1/17/2007	7-Day Spill Report
OTHER:	Andrew Erickson	665-2272	667-2630	1/17/2007	7-Day Spill Report
OTHER:	Alva Sisneros	664-0666	667-6977	1/17/2007	7-Day Spill Report

Comments: On 1/11/2007, ENV-RCRA's Mark Haagenstad notified NMED-SWQB's Rich Powell, NMED-GWQB's Chris Vick, NMED-HWB's Steve Connolly, and NMED-DOE-OB's Erik Galloway of the release at 8:39 a.m., 8:42 a.m., 8:44 a.m., and 8:50 a.m. respectively pursuant to 20.6.2.1201 NMAC of the NMWQCC Regulations. On 1/11/2007, NMED requested the Laboratory report the release pursuant to 20.6.2.1203 NMAC of the NMWQCC Regulations.

Form Completed By:

7 DAY RELEASE / DISCHARGE ACTIONS

7 Day Notice 7 Day Notice Date: 7 Day Notice By:
 Mark "X" when done.

Comments: Corrective actions completed. The Laboratory requests administrative closure pursuant to 20.6.2.1203 NMAC of the NMWQCC Regulations.

15 DAY RELEASE / DISCHARGE ACTIONS

15 day Follow-up Due: 15-day Follow-Up By:

Comments: Corrective actions completed. The Laboratory requests administrative closure pursuant to 20.6.2.1203 NMAC of the NMWQCC Regulations.

NMED 30 DAY APPROVAL / DISAPPROVAL

NMED 30 Day Response Date:

Comments:

Edwin Wilmot, Director
 Office of Los Alamos Site Operations
 Department of Energy
 Los Alamos, New Mexico 87544
 (505) 667-5105

Tori George, ENV Division Director
 Los Alamos National Security, LLC.
 Los Alamos National Laboratory
 P.O. Box 1663, MS J978
 Los Alamos, New Mexico 87544
 (505) 667-2211

ESH Internal Notes:

Injuries or Exposure?

Did evacuation occur?

Were facilities or equipment damaged?

Did fire/explosion occur?

Was there a potential for fire/explosion?

Describe any sampling performed during spill cleanup and attach analytical results to this form.

Describe actions taken to prevent recurrence of such a spill.