



RELEASE / DISCHARGE NOTIFICATION

LOS ALAMOS NATIONAL LABORATORY

Permit Number: NM0028355

Calendar Year

1999

NPDES or Operational Spill/Release
ER Spill/Release
Other Spill/Release

Indicate with "X" in appropriate box.

Release ID Number:

62

Responsible Facility/User Group: F-4

Contact Person: E. Hoth

Pager #: NA

Phone #: 865-6002

Cell Phone #: NA

Release/Discharge Location:

TA: 48

Building:

This release is from a broken sub-surface Domestic Liquid Waste line. The broken line was discovered on 1/29/99. The break was discovered by inserting a portable remotely operated camera into the line. This operation was performed in order to determine why the upstream DLW manhole was having poor flow.

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: 48-010

Indicate with "X" in appropriate box(es)

Relationship of the Discharge to a SWMU or PRS:

Subsurface discharge near SWMU 48-010.

Discharge Occurred: 1/29/1999 1:45 p.m.
Date & Time

Discharge Discovered: 1/29/1999 1:45 pm
Date & Time

Discharge Stopped: 3/1/1999 8:00 a.m.
Date & Time

Cleanup Started: 3/1/1999 8:00 a.m.
Date & Time

Cleanup Completed: 3/15/1999 5:00 p.m.
Date & Time

Material(s) Released / Discharged:

This is a Domestic Waste Line. Materials discharged include liquid and solid DLW.

Release/Discharge Mitigation Method:

This entire section of line will be excavated and replaced, approximately 170 feet. Currently there is an excavation permit submittal under review for an emergency status. Work on repairing this line is expected to begin in the next 5 to 10 days. In the interim the upgradient manhole will be plugged and all effluent pumped around the underground breaks into a downgradient manhole. The installation of the pumps and the approximately 400 to 500 feet of line necessary to bypass the breaks is expected to be completed in the next 3 to 4 days.

Weather Conditions:

Duration of Release/
Discharge, in HOURS:

Est. Volume Released/
Discharged, in GAL

Est. Volume
Recovered, in GAL

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

It is unknown how long this line has been broken or an estimated volume of material that may have been released. There is no indication that this material has reached the surface in the near vicinity of the line break. There is a small wetland immediately downgradient from the area of the line break. This wetland drains to a tributary of Mortandad Canyon. As this is a subsurface line break the corrective action is to excavate the damaged line and replace these sections. Approximately 160 to 175 feet of line has been identified as needing replacement.

Nearest Watercourse (Canyon Name):

Mortandad Canyon



4/11/29/48
HWA CANL

Tk

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 sub-surface release may have impacted the nearby wetlands and the downgradient tributary (effluent canyon) to Mortandad Canyon.

Depth to Groundwater, in FT, if known: 60

Distance to Nearest Drinking Water Well, in FT, if known: 10000 Well ID# OW-4

RELEASE / DISCHARGE NOTIFICATION

	Contact Person	Phone	Fax	Date & Time (or Comment)	
EPA:	E. Spencer	214-665-6475	214-665-6490	2/5/1999	via Fax
NMED/SWQB:	B. Hoditschek	827-0696	827-0160	2/1/1999	2:50 pm
NMED/GWQB:	R. Montes	827-0164	827-2965	2/1/1999	2:04 pm for J. Jacob
NMED/HRMB:	J. Kelling	827-1557	827-1544	2/1/1999	1:40 pm, V-mail
NMED/DOE-OB:	S. Yanicak	672-0448	672-0466	2/1/1999	1:45 pm
ESH-18:	H. Decker	665-2014	665-9344	1/29/1999	3:30 pm
DOE:	B. Koch	665-7202	665-4504	2/1/1999	3:15 pm, v-mail
OTHER:	Patricia Vadaro-Charles	665-6976	665-6977	2/1/1999	2:20 pm
OTHER:	Rubel Martinez				

Comments: This line was initially installed in late 1986 and early 1987. It is believed that this line was incorrectly installed by the sub-contractor and an incomplete inspection of the work failed to identify the incorrect installation. The line is of PVC construction and is buried at a depth of 25 to 30 feet as it is a gravity flow system. The depth of this line required trenching into the Tuff which may have helped contain and direct any discharged material back into the line.

Form Completed By: H. Decker

RELEASE / DISCHARGE ACTION

7 Day Notice 7 Day Notice Date: 2/4/1999 7 Day Notice By: H. Decker

Comments: The discovery that this line was indeed broken in two places was identified on 1/29/99 at approximately 1:45 p.m. and reported to ESH-18. Notification to the NMED occurred on 2/1/99. Please see maps included for location of line breaks. Additionally, M. Dale has submitted data collected from the nearby down gradient well MCO-2 which is also included. J. Jacobsen of the NMED/GWPE has also been consulted on this release on 2/3/99 and 2/4/99.

RELEASE / DISCHARGE ACTION

15 day Follow-up Due: 2/12/1999 15-day Follow-Up By: H. Decker

Comments: B. Hoditschek and J. Archuleta of the NMED/SWQB visited the site on 2/9/99. Questions posed during this inspection were if the deleted NPDES outfall 04A153 still received storm water. This deleted outfall does receive storm water. Also, in response to the question on the nearby RLW line collection system manhole. This is a sealed vault with a leak detection alarm installed. This vault is checked on a routine basis and no water has been noted in the vault. As of 2/9/99 the broken section of the DLW line has been isolated and all waste pumped around this area. Excavation activities have been started in order to repair the line.

RELEASE / DISCHARGE ACTION

NMED 30 Day Response Date:

Comments:

G. Thomas Todd, Area Manager
Los Alamos Area Office
Department of Energy
Los Alamos, New Mexico 87544

Dennis J. Erickson, ESH Division Director
University of California
Los Alamos National Laboratory
P.O. Box 1663 MS K401

WAT QUALITY & HYDROLOGY GROU (ESH-18)

FAX TRANSMITTAL SHEET

FAX #: (505) 665-9344

VERIFICATION #: (505) 665-0453

DATE: February 5, 1999

LOG NO: ESH-18-99-FAX-

✓ TO:	<u>B. Hoditschek</u>	FAX #:	<u>(505) 827-0160</u>	PHONE #	<u>(505) 827-0596</u>	GRP ORG	<u>NMED/SWQB</u>
✓ TO:	<u>S. Yanicak</u>	FAX #:	<u>(505) 672-0466</u>	PHONE #	<u>(505) 672-04</u>	GRP ORG	<u>NMED/AIP</u>
✓ TO:	<u>J. Plum, J. Phoenix</u>	FAX #:	<u>(505) 665-4504</u>	PHONE #	<u>(505) 665-7202</u>	GRP ORG	<u>DOE/LAAO</u>
TO:	<u>Everett Spencer</u>	FAX #:	<u>(214) 665-6490</u>	PHONE #	<u>(214) 665-6080 (214) 665-6475</u>	GRP ORG	<u>EPA Region V</u>
TO:	<u>Deb Woitte</u>	FAX #:	<u>(505) 665-4424</u>	PHONE #	<u>(505) 667-3766</u>	GRP ORG	<u>LC GEN</u>
TO:	<u>R. Martinez</u>	FAX #:	<u>(505) 665-6977</u>	PHONE #	<u>(505) 665-0033</u>	GRP ORG	<u>ESH-7</u>
TO:	<u>R. Montes and J. Jacobsen</u>	FAX #:	<u>(505) 827-2965</u>	PHONE #	<u>(505) 827-1014</u>	GRP ORG	<u>NMED/GWPE</u>
TO:	<u>John Kieling</u>	FAX #:	<u>(505) 827-1544</u>	PHONE #	<u>(505) 827-1557</u>	GRP ORG	<u>NMED/HRME</u>
✓ TO:	<u>E. Hoth</u>	FAX #:	<u>665-6636</u>	PHONE #	<u>665-6002</u>	GRP ORG	<u>F-8</u>

FROM: Harvey Decker, ESH-18, MS K497 PHONE #: (505) 665-2014MESSAGE: 1 day release notification report for TA-48, broken DLW lineNUMBER OF PAGES TO FOLLOW: 2Cy: ESH-18 FAX FILE
CRM-4, MS A150
ESH-18, spill file

GROUP LEADER/TEAM LEADER

H.D for M.S