

RELEASE / DISCHARGE NOTIFICATION

LOS ALAMOS NATIONAL LABORATORY
Permit Number: NM0028355

Year
1998

HswA LANL 5/11/97/50

NPDES or Operational Spill/Release (Indicate by X in appropriate box) Release ID Number:
 ER Spill/Release

Responsible Facility/User Group:
 Contact Person: Pager #:
 Phone #: Cell Phone #:
 Release/Discharge Location:
 TA:
 Building:

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: PRS: SWMU: PRS/SWMU Number:
 (Indicate by X in appropriate box)

Relationship of the Discharge to a SWMU or PRS:

This release occurred subsurface next to structure WM-66. This structure is an underground secondary containment vault for influent holding tanks at TA-50. The water surfaced and flowed approximately 150 to 200 feet into a small drainage diversion ditch located at the North West edge of MDA-C. Based on the design of the secondary containment structure if any water were to enter the secondary containment it would be directed to a set of sump pumps which deliver the liquid back into the TA-50 influent holding tank.

Release / Discharge Occurred	Date and Time	Release / Discharge Discovered	Date and Time	Release / Discharge Stopped:	Date and Time
	<input type="text" value="2/18/98 10:30:00 AM"/>		<input type="text" value="2/18/98 11:00:00 AM"/>		<input type="text" value="2/18/98 11:20:00 AM"/>

Cleanup Started: Date and Time
 Cleanup Finished: Date and Time

Material(s) Released / Discharged:

An estimated 300 to 500 gallons of potable water was released from the ruptured line. Initial screening of the released water indicated no detectable activity.

Release/Discharge Mitigation Method:

The water release was stopped by closing the valve to this section of 1.5" piping which serves a single hose bibb.

Weather Conditions:

Clear, cold

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):

Most all of the discharged water has soaked into the ground at this time. The water did not reach Ten Site Canyon.

Nearest Watercourse (Canyon Name)
Report Printed 2/23/98 8:12:48 AM



8855

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 discharge did enter a small man made diversion drainage near MDA-C but did not enter Ten Site Canyon. The total estimated area impacted by this discharge is 500 sq. ft. The water which reached bare soil has soaked into the ground. There are some small pools remaining on the asphalt parking lot.

Depth to Groundwater, in FT, if known: 600

Distance to Nearest Drinking Water Well, in FT, if known: 18400 Well ID# PM-2

AGENCY RELEASE / DISCHARGE NOTIFICATIONS

Agency	Name	Phone	Fax	Date and Time
EPA:	E. Spencer	214-665-6475	214-665-6490	2/23/98
NMED/SWQB:	B. Hoditscheck	827-0596	827-0160	2/18/98 3:00:00 PM
NMED/GWQB:	J. Jacobs	827-2776	827-2965	2/18/98 1:25:00 PM
NMED/HRMB:	J. Keiling	827-1557	827-1544	2/18/98 1:20:00 PM
NMED/DOE-OB:	Dennis Romero	672-0459	672-0466	2/18/98 1:25:00 PM
ESH-18:	H. Decker	865-2014	665-9344	2/18/98 11:00:00 AM
DOE:	B. Koch	665-7202	665-4504	2/18/98 1:40:00 PM
OTHER:	D. Wolfe	667-3786	665-4424	2/23/98
OTHER:				

Comments: EPA and UC/GEN notified by Fax on 2/23/98. Dennis Romero of the NMED DOE OB has visited the site.

Form Completed By: H. Decker

7 DAY NOTICE

7 Day Notice 7 Day Notice Date: 2/25/98 7 Day Notice By: H. Decker
(X When Complete)

Comments:

15 DAY FOLLOW-UP

15 day Follow-up Due: 3/5/98 15-day Follow-Up By: H. Decker

Comments:

NMED 30 DAY RESPONSE DATE

NMED 30 Day Response Date: 4/4/98

Comments:

G. Thomas Todd, Area Manager
Los Alamos Area Office
Department of Energy
Los Alamos, New Mexico 87544
(505) 667-5105

Dennis J. Erickson, ESH Division Director
University of California
Los Alamos National Laboratory
P.O. Box 1663, MS K491
Los Alamos, New Mexico 87544
(505) 667-421A

02-18-98
10:36

Berthold LB770 Control System: LB770 1
S A M P L E M E A S U R E M E N T

Page: 1

Comment: GPC#844236 (PROPERTY#) OPERATOR: PADILLA INIT
LB770 Number 1 User File: ALPHA/BETA Sample Data File: GSP18205
Sample Set: WM-66 WATER SPILL Mode: Alpha/Beta
HV-Meas.Counter [V] = 1514 HV-Guard Counter [V] = 1700
Statistical Error Definition: 2 standard deviation(s)

Category List [DPM]:

Category	Alpha			Beta		
	Low	High		Low	High	
1	0.000	7.40		0.000	8.42	
2	7.40	20.0		8.42	200.0	
3	20.0			200.0		

	1	2	3	4	5	6	7	8	9	10
Alpha										
Background [cpm]	0.328	0.156	0.161	0.150	0.172	0.122	0.150	0.261	0.178	0.161
Efficiency	0.272	0.266	0.276	0.232	0.267	0.275	0.282	0.294	0.280	0.283
T(1/2) [days]	--	--	--	--	--	--	--	--	--	--
Manufacture Date	---/---/---	---/---/---	---/---/---	---/---/---	---/---/---	---/---/---	---/---/---	---/---/---	---/---/---	---/---/---
Beta										
Background [cpm]	1.91	1.43	1.45	1.31	1.76	1.92	1.53	1.57	1.48	1.77
Efficiency	0.423	0.442	0.439	0.435	0.433	0.437	0.431	0.447	0.434	0.446
T(1/2) [days]	--	--	--	--	--	--	--	--	--	--
Manufacture Date	---/---/---	---/---/---	---/---/---	---/---/---	---/---/---	---/---/---	---/---/---	---/---/---	---/---/---	---/---/---
Spillover	0.119	0.124	0.128	0.122	0.134	0.134	0.124	0.127	0.133	0.126
Normalization	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0

Sample Results

Measurement Date 02-18-98 Time 10:36:58
Measuring Time [min:sec] Elapsed 0003:00 Preset 0003:00 Cycle 1/1
Guard [cpm] 1252

Det#	Spl#	Spl. Name	ALPHA				BETA			
			DPM	%Error	Cat	MDA	DPM	%Error	Cat	MDA
1	1	SMEAR#1	0.018	> 100	1	7.40	0.000	0.000	1	8.42
2	2	SMEAR#2	0.665	> 100	1	6.28	2.00	> 100	1	7.27
3	3	SMEAR#3	1.83	> 100	1	6.10	0.346	> 100	1	7.37
4	4	SMEAR#4	0.000	0.000	1	6.57	0.106	> 100	1	7.14
5	5	SMEAR#5	0.604	> 100	1	6.42	1.27	> 100	1	8.01
6	6	EMPTY	0.768	> 100	1	5.77	0.000	0.000	1	8.19
7	7	EMPTY	1.84	> 100	1	5.89	0.174	> 100	1	7.65
8	8	EMPTY	1.38	> 100	1	6.46	0.096	> 100	1	7.45
9	9	EMPTY	0.553	> 100	1	6.15	4.99	> 100	1	7.49
10	10	EMPTY	2.96	> 100	1	5.95	2.52	> 100	1	7.81

MDA = Minimum Detectable Activity [DPM]

LABORATORY ANALYSES

SAMPLE SUBMITTED BY		D. Moss		DATE: 2/18/98	
ORIGIN OF SAMPLE (S)		TA 50-1			
GENERAL DESCRIPTION RANGE OF ACTIVITY		Parking lot water			
		low			
DATE SAMPLE COLLECTED		2/18			
Test/Analysis	Result/Conc	By (Initials)	Test/Analysis	Result/Conc	By (Initials)
GROSS α	< 70	pc:ll			
B	< 160	pc:ll			
r	< 5	NC:ll			
REMARKS:					
Short count					

APPROVED: TDF
Chief Chemist

DATE: 2/18/98
Lab Copy
H7-LAB-35

WATER QUALITY & HYDROLOGY GROUP (ESH-18)

FAX TRANSMITTAL SHEET

FAX #: (505) 665-9344

VERIFICATION #: (505) 665-0453

Date: 2-23-98

LOG NO: ESH-18-98-FAX-

✓ TO: B. Hoditschek FAX #: (505) 827-0160 PHONE # (505) 827-0596 GRP/ORG: NMED/SWQB

✓ TO: Steve Yanicek FAX #: (505) 672-0466 PHONE # (505) 672-0448 GRP/ORG: NMED/AIP

✓ TO: Bonnie Koch FAX #: (505) 665-4504 PHONE # (505) 665-7202 GRP/ORG: DOE/LAAO

✓ TO: Everett Spencer FAX #: (214) 665-6490 PHONE # (214) 665-6080
(214) 665-6475 GRP/ORG: EPA Region VI

✓ TO: D. Weille FAX #: (505) 665-4424 PHONE # (505) 667-3766 GRP/ORG: LC/GEN

✓ TO: Al Elliott FAX #: (505) 665-6977 PHONE # (505) 665-0033 GRP/ORG: ESH-7

✓ TO: J. Jacobs FAX #: () 827-2165 PHONE # () 827-2776 GRP/ORG: NMED/OWPB

TO: J. Kelling FAX #: () 827-1544 PHONE # () 827-4537 GRP/ORG: NMED(HRAM)

TO: R. Alexander FAX #: () 56820 PHONE # () 7-4301 GRP/ORG: 7A-50

FROM: Harvey Decker, ESH-18, MS K497 PHONE #: (505) 665-2014

MESSAGE: Release Notification: 7 day release notification.

NUMBER OF PAGES TO FOLLOW: 5

Cy: ESH-18 Fax File
CRM-4, MS A150

GROUP LEADER/TEAM LEADER

H.D. Z-MS.