

RELEASE / DISCHARGE NOTIFICATION

LOS ALAMOS NATIONAL LABORATORY

Permit Number: NM0028355

Calendar Year

2001

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

Indicate with "X" in appropriate box.

Release ID Number:

101

Responsible Facility/User Group: **DXFM**

Contact Person: **H. Decker**

Pager #: **104-7568**

Phone #: **667-1616**

Cell Phone #: _____

Release/Discharge Location:

TA: **40**

Building: **24**

Surface discharge of untreated Domestic Liquid Waste (DLW) for permitted septic tank (LA-45) due to a plugged leach field line

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: **40-001(b)**

Indicate with "X" in appropriate box(es)

Relationship of the Discharge to a SWMU or PRS:

The septic tank is listed as PRS 40-001(b)

Discharge Occurred: **8/1/2001 12:00 p.m.**
Date & Time

Discharge Discovered: **8/1/2001 1:00 p.m.**
Date & Time

Discharge Stopped: **8/2/2001 9:30 a.m.**
Date & Time

Cleanup Started: **8/2/2001 9:30 a.m.**
Date & Time

Cleanup Completed: **8/2/2001 11:00 a.m.**
Date & Time

Material(s) Released / Discharged:

Approximately 600 to 1000 gallons of DLW (water only, no solids) was discharged from the septic tank vent due to a plugged leach field line

Release/Discharge Mitigation Method:

The restrooms served by this septic tank were shut down and the tank pumped of the remaining liquid. The plug was removed from the line. Additionally, the area impacted by the DLW water (~150 sq. ft. of soil impacted) was disinfected with a 10% bleach/water solution.

Weather Conditions:

Clear, hot

Duration of Release/ Discharge, in HOURS: **21**

Est. Volume Released/ Discharged, in GAL. **1000**

Est. Volume Recovered, in GAL. _____

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

The restrooms served by the tank were closed, the tank pumped out and the plugged line cleared.

Nearest Watercourse (Canyon Name)

Pajarito Canyon



Release Number 101...40-001(b)...page 2 of 2.

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:

No water from the septic tank reached the watercourse. The water soaked into the soil at the leachfield area.

Depth to Groundwater, In FT, if known: 800

Distance to Nearest Drinking Water Well, in FT, if known: 5000 Well ID# PM-5

24 HOUR RELEASE / DISCHARGE NOTIFICATIONS

Table with columns: Contact Person, Phone, Fax, Date & Time (or Comment). Rows include EPA, NMED/SWQB, NMED/GWQB, NMED/HRMB, NMED/DOE-OB, ESH-18, DOE, OTHER, and OTHER.

Comments: A sample of the contents of the tank was collected on 8/2/01 for TCLP metals in order to complete the Waste Profile Form for discharge into the SWS Plant. Copies of the data will be forwarded with the 15 day CA report.

Form Completed By: H. Decker

7 DAY RELEASE / DISCHARGE ACTIONS

7 Day Notice [checked] 7 Day Notice Date: 8/8/2001 7 Day Notice By: H. Decker

Comments: [Empty box]

15 DAY RELEASE / DISCHARGE ACTIONS

15 day Follow-up Due: 8/23/2001 15-day Follow-Up By: H. Decker

Comments: Data of the sludge/water mix collected from the tank after the tank was pumped out is included. The settling basin is being investigated for the location of and clearing of the stoppage. Until the basin is again fully operational the tank will continue to be inspected daily.

NMED 30 DAY APPROVAL / DISAPPROVAL

NMED 30 Day Response Date: [Empty box]

Comments: [Empty box]

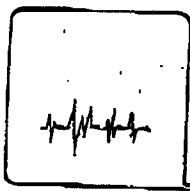
David Gurule, Area Manager
Los Alamos Area Office
Department of Energy
Los Alamos, New Mexico 87544
(505) 667-5105

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) 667-4218

AUG 17 '01 08:46 T0-15056659344

FROM-ASSAIGAI LAB

T-203 P.02 F-031



ASSAIGAI ANALYTICAL LABORATORIES, INC.

7300 Jefferson, NE • Albuquerque, New Mexico 87109 • (505) 345-8764 • FAX (505) 345-7259

3332 Wedgewood Dr., Suite N • El Paso, Texas 79925 • (915) 593-6000 • FAX (915) 593-7820
127 Eastgate Drive, 212-C • Los Alamos, New Mexico 87544 • (505) 662-2558

LOS ALAMOS NATIONAL LABS
attn: **DUSTIE RICH**
MAIL STOP **K491/ESH-19**
LOS ALAMOS NM 87545

Explanation of codes	
B	analyte detected in Method Blank
E	result is estimated
H	analyzed out of hold time
N	tentatively identified compound
S	subcontracted
1-8	see footnote

Assaigai Analytical Laboratories, Inc. Certificate of Analysis

STANDARD

Client: **LOS ALAMOS NATIONAL LABS**
Project: **BL1 F 3000 0000**
Order: **0108 LOS17**

William P. Blava
William P. Blava, President of Assaigai Analytical Laboratories, Inc.

Sample: **01DS421**
Matrix: **ML**

Collected: **08-02-01 15:00:00** By: **DR**
Receipt: **08-05-01**

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Prep Code	Run Date
0108073-01A			9WB46 3005A/6010A ICP						
MD1940	MW.2001.1192.29	7429-90-5	Aluminum	1.9	mg / L	1	0.1	By: SKD	
MD1940	MW.2001.1192.29	7440-38-0	Antimony	ND	mg / L	1	0.04		08-08-01 08-10-01
MD1940	MW.2001.1192.29	7440-38-2	Arsenic	ND	mg / L	1	0.06		08-08-01 08-10-01
MD1940	MW.2001.1208.29	7440-38-3	Barium	0.09	mg / L	1	0.01		08-08-01 08-14-01
MD1940	MW.2001.1192.29	7440-41-7	Beryllium	ND	mg / L	1	0.002		08-08-01 08-10-01
MD1940	MW.2001.1192.29	7440-42-8	Boron	ND	mg / L	1	0.05		08-08-01 08-10-01
MD1940	MW.2001.1192.29	7440-43-8	Cadmium	ND	mg / L	1	0.006		08-08-01 08-10-01
MD1940	MW.2001.1192.29	7440-70-2	Calcium	46.0	mg / L	1	0.4		08-08-01 08-10-01
MD1940	MW.2001.1208.29	7440-47-3	Chromium	0.01	mg / L	1	0.01		08-08-01 08-14-01
MD1940	MW.2001.1192.29	7440-48-4	Cobalt	ND	mg / L	1	0.01		08-08-01 08-10-01
MD1940	MW.2001.1208.29	7440-50-8	Copper	0.14	mg / L	1	0.01		08-08-01 08-14-01
MD1940	MW.2001.1192.29	7439-89-6	Iron	2.98	mg / L	1	0.05		08-08-01 08-10-01
MD1940	MW.2001.1192.29	7439-89-1	Lead	ND	mg / L	1	0.05		08-08-01 08-10-01
MD1940	MW.2001.1192.29	7439-86-4	Magnesium	8.5	mg / L	1	0.1		08-08-01 08-10-01
MD1940	MW.2001.1192.29	7439-86-6	Manganese	0.131	mg / L	1	0.01		08-08-01 08-10-01
MD1940	MW.2001.1192.29	7440-02-0	Nickel	ND	mg / L	1	0.02		08-08-01 08-10-01
MD1940	MW.2001.1192.29	7440-09-7	Potassium	27.9	mg / L	1	0.2		08-08-01 08-10-01
MD1940	MW.2001.1208.29	7782-49-2	Selenium	ND	mg / L	1	0.05		08-08-01 08-10-01
MD1940	MW.2001.1192.29	7440-21-3	Silicon	40.6	mg / L	1	0.1		08-08-01 08-14-01
MD1940	MW.2001.1192.29	7440-22-4	Silver	ND	mg / L	1	0.01		08-08-01 08-10-01
MD1940	MW.2001.1208.29	7440-23-5	Sodium	39.7	mg / L	1	0.2		08-08-01 08-14-01
MD1940	MW.2001.1208.29	7440-28-0	Thallium	0.2	mg / L	1	0.1	E	08-08-01 08-14-01
MD1940	MW.2001.1208.29	7440-82-2	Vanadium	0.02	mg / L	1	0.01		08-08-01 08-14-01
MD1940	MW.2001.1192.29	7440-86-8	Zinc	0.85	mg / L	1	0.02		08-08-01 08-10-01



AUG 17 '01 08:46 TO-15056659344

FROM-ASSAIGAI LAB

T-203 P.03 F-031

STANDARD

Assaigai Analytical Laboratories, Inc.

Certificate of Analysis

Client: **LOS ALAMOS NATIONAL LABS**
 Project: **8L10 CFDF 3000 0000**
 Order: **0108073 LOS17**

Sample: **01DS421**

Collected: **08-02-01 15:00:00** By: **DR**

Matrix: **ML**

Receipt: **08-08-01**

QC Group	Run Sequence	CAS #	Analyte	Result	Units	Dilution Factor	Detection Limit	Code	Prep Date	Run Date
0108073-01A		SWB48 7470 CVAA								
M01938	MW.2001.1175.38	7439-97-6	Mercury	0.0264	mg / L	10	0.0002	By: JE	08-08-01	08-08-01
0108073-01B		SWB48 1311/3010A/6010A ICP TCLP								
M01939	MW.2001.1206.90	7440-38-2	Arsenic	ND	mg / L	1	0.1	By: SKD	08-08-01	08-15-01
M01939	MW.2001.1206.90	7440-38-3	Barium	ND	mg / L	1	0.1		08-08-01	08-15-01
M01939	MW.2001.1206.90	7440-43-8	Cadmium	ND	mg / L	1	0.02		08-08-01	08-15-01
M01939	MW.2001.1208.90	7440-47-3	Chromium	0.18	mg / L	1	0.02	B	08-08-01	08-15-01
M01939	MW.2001.1208.90	7439-92-1	Lead	0.37	mg / L	1	0.05	B	08-08-01	08-15-01
M01939	MW.2001.1208.90	7782-49-2	Selenium	ND	mg / L	1	0.05		08-08-01	08-15-01
M01939	MW.2001.1208.90	7440-22-4	Silver	ND	mg / L	1	0.04		08-08-01	08-15-01
0108073-01B		SWB45 1311/7470 CVAA TCLP								
M01937	MW.2001.1178.50	7439-97-8	Mercury	ND	mg / L	1	0.0002	By: JE	08-08-01	08-08-01

Unless otherwise noted, all samples were received in acceptable condition and all sampling was performed by client or client representative. Sample result of ND indicates Not Detected, is result is less than the sample specific Detection Limit. Sample specific Detection Limit is determined by multiplying the sample Dilution Factor by the listed Reporting Detection Limit. All results relate only to the items tested. Any miscellaneous workorder information or footnotes will appear below.

MEMO: Please note that the total metals sample was received in glass.

WATER QUALITY & HYDROLOGY GROUP (ESH-18)

FAX TRANSMITTAL SHEET



FAX #: (505) 665-9344

VERIFICATION #: (505) 665-0453

DATE: August 23, 2001

LOG NO: ESH-18:01-FAX-

HSWA LANL 5/11/11/40

- TO: B. Lucas FAX #: (505) 827-0160 PHONE # (505) 827-2933 GRP ORG NMED/SWQB
- TO: S. Yanicak FAX #: (505) 672-0466 PHONE # (505) 672-0448 GRP ORG NMED/AIP
- TO: K. Agogino FAX #: (505) 845-4879 PHONE # (505) 845-6100 GRP ORG DOE
- TO: Everett Spencer FAX #: (214) 665-6490 PHONE # (214) 665-6080
(214) 665-6475 GRP ORG EPA Region VI
- TO: Deb Woitte FAX #: (505) 665-4424 PHONE # (505) 667-3766 GRP ORG LC GEN
- TO: D. Cobrain FAX #: (505) 428-2567 PHONE # 428-2541 GRP ORG NMED/HRMB
- TO: John Kieling FAX #: (505) 428-2541 PHONE # _____ GRP ORG NMED/HRMB
- TO: _____ FAX #: _____ PHONE # _____ GRP ORG _____
- TO: Rubel Martinez FAX #: 665-6977 PHONE # 667-0622 GRP ORG ESH-7

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

TA-40-24 septic tank overflow. Estimated 1000 gallons. 15 day report.

NUMBER OF PAGES TO FOLLOW: 2

Cy: ESH-18 FAX FILE
CRM-4, MS A150
ESH-18, spill file

GROUP LEADER/TEAM LEADER

H.D for M.S

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