

X-Sender: u091025@esh-mail.lanl.gov
X-Mailer: Windows Eudora Pro Version 3.0.1 (32)
Date: Tue, 18 May 1999 07:16:08 -0700
To: hld@lanl.gov
From: "Maggie M. Vigil" <vigil_mag@lanl.gov>
Subject: Analyses on Water Sample taken from TA-2

On May 16, 1999, 7:50 am hrs, a water sample was submitted to the TA-3,
SM-2010 Health Physics

Analysis Laboratory. The sample was analyzed utilizing a Hyper-pure
germanium detector, Loax and a ADCAM multi-channel buffer. The analyses
showed no Gammas, or any low energy photons. (NDA). The sample was also
counted for gross alpha and beta using a Tri-Carb Liquid Scintillation. The
analyses also showed No Detectable Activity.



3130

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:

Responsible Facility/User Group:

Contact Person: Pager #:

Phone #: Cell Phone #:

Release/Discharge Location: This break of a potable water line occurred approximately 100 yards west of the TA-2 facility. The line is underground running parallel to Omega road in Los Alamos Canyon.

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 Outfall: PRS: SWMU: PRS/SWMU Number:

Indicate with "X" in appropriate box(es)

Relationship of the Discharge to a SWMU or PRS:

SWMU's potentially impacted by this discharge include 2-008(a) old cooling tower blowdown discharge point, 2-008(b) old photo processing outfall discharge point and 2-009 an area of residual contamination to the east of the facility in the streamcourse.

Discharge Occurred:	<input type="text" value="5/16/1999 2:55 am"/>	Date & Time	Discharge Discovered:	<input type="text" value="5/16/1999 2:55 am"/>	Date & Time	Discharge Stopped:	<input type="text" value="5/16/1999 6:58 am"/>	Date & Time
Cleanup Started:	<input type="text" value="5/17/1999 8:00 am"/>	Date & Time	Cleanup Completed:	<input type="text"/>	Date & Time			

Material(s) Released / Discharged:

An estimated 500,000 gallons of potable water was released due to a line failure.

Release/Discharge Mitigation Method:

The flow of water to the line break was halted by closing the supply valve(s). The line is to be repaired.

Weather Conditions:

clear, cool

Duration of Release/ Discharge, in HOURS:	<input type="text" value="4"/>	Est. Volume Released/ Discharged, in GAL.	<input type="text" value="500,000"/>	Est. Volume Recovered, in GAL.	<input type="text"/>
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Corrective Actions Taken (ie, type of BMPs, etc):

The erosion area caused by the flowing water will be repaired and BMP's will be put into place in order to contain any additional eroded sediment from entering the streamcourse. A Pressure Relief Valve (PRV) is to be installed to prevent overpressure and failure of the line in the future.

Nearest Watercourse (Canyon Name)

Release Number 67.....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:

The water did flow into Los Alamos Canyon water course. The stream currently has snowmelt run-off in it and the discharged water co-mingled with that flow.

Depth to Groundwater, in FT, if known:

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

	Contact Person	Phone	Fax	Date & Time (or Comment)	
EPA:	E. Spencer	214-685-6475	214-665-6490	5/17/1999	by fax
NMED/SWQB:	N. Walls	827-0572	827-0160	5/17/1999	1:30 pm
NMED/GWQB:	R. Montes	827-0164	827-2965	5/17/1999	10:45 am (v-mail)
NMED/HRMB:	J. Keiling	827-1557	827-1544	5/17/1999	10:47 am (v-mail)
NMED/DOE-OB:	S. Yanlcak	672-0448	672-0466	5/17/1999	10:54 am (v-mail)
ESH-18:	H. Decker	665-2014	665-9344	5/16/1999	6:00 am
DOE:	Bob Enz	982-4038	982-9278	5/17/1999	10:55 am (v-mail)
OTHER:	Rubel Martinez	667-0622	665-6977	5/17/1999	11:00 am
OTHER:	E. Hoth	665-6002	665-8160	5/16/1999	

Comments: Samples were collected and analyzed for Rad components on 5/16/99. No Detectable Activity was measured for Gross Alpha, Gamma, Beta, Tritium and photon activity. An additional sample was submitted on 5/17/99 for Metals analysis and the data will be submitted upon receipt.

Form Completed By:

7 Day Notice 7 Day Notice Date: 7 Day Notice By:

Mark "X" when done.
Comments:

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

Comments: BMP's have been put in place to contain the soil eroded from the line break area. As per Laboratory requirements an excavation permit review is in process in order to assure worker safety during excavation procedures needed to repair the line and erosion at the site. Additionally an ESH ID safety review is in process for the installation of the Pressure Relief Valve (PRV) on this section of line. The installation of the PRV is expected to eliminate future line breaks at this location. Until repairs are completed, water will remain shut off to this section of pling. Repairs and cleanup of the area are expected to be completed in the next three to four weeks. BMP's will remain in place until the area has stabilized. Preliminary Metals (total) and Rad data from water samples collected at the time of the line break are included with this report.

NMED 30 Day Response Date:

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

Los Alamos

NATIONAL LABORATORY

memorandum

*Chemical Science and Technology
Responsible Chemistry for America*

CST-9, Inorganic Trace Analysis
Los Alamos, New Mexico 87545

To/MS: Harvey Decker, M498
From/MS: Mark Kozubal, CST-9, E518
Phone/FAX: 5-1652/5-6561
Symbol: 104.97
Date: 5/18/99

Subject: Trace Inorganic Results ICPOES and Hg- Request Number: 100037898

Results for sample 200097536:

Analyte	Conc. (M/L)	Uncertainty
Ag	< 0.003	0
Al	7.7000	0.77
B	0.0680	0.007
Ba	0.2400	0.024
Be	0.0020	0.001
Ca	27.0000	2.7
Cd	< 0.003	0
Co	< 0.006	0
Cr	0.0090	0.005
Cu	0.0090	0.002
Fe	4.3000	0.43
K	5.0000	0.7
Li	0.0470	0.005
Mg	9.8000	0.98
Mn	0.4100	0.041
Mo	< 0.006	0
Na	23.0000	2.3
Ni	0.0120	0.01
Pb	< 0.03	0
Si	57.0000	5.7
Sn	< 0.08	0
Sr	0.1600	0.016
V	0.0220	0.005
Zn	0.1100	0.011

DRAFT

Analyte	Conc. (Ug/L)	Uncertainty
Hg	1.4	0.14

These are preliminary results. Final results will follow soon. If you have any questions about these results, call either myself at 665-1652 or Eva Birnbaum. Thank You.

In:

Page 1 of 1

To: hld@lanl.gov
Subject: Request 100037898

Harvey,

The ICPMS results are as follows for sample # 200097536:

Sb = < 4 ug/L (ppb)
Tl = 0.3 +/- 0.2 ug/L (ppb)
Pb = 19 +/- 4 ug/L (ppb)

Mark Kozabal faxed the mercury and OES data to you, so you should have that.

Thanks, Kathy

Kathy Lao
Los Alamos National Laboratory
Chemical Science and Technology Division (CST-9)
MS E518
Los Alamos, New Mexico 87545

e-mail: KLAO@LANL.GOV
Phone: 505-665-3250
FAX: 505-665-6561

*LA canyon pipe line break
metals data.*

DRAFT

WATER QUALITY & HYDROLOGY GROUP (ESH-18)

FAX TRANSMITTAL SHEET

FAX #: (505) 665-9344

VERIFICATION #: (505) 665-0453

DATE: June 1, 1999

LOG NO: ESH-18:99-FAX-

Handwritten notes: 4/1098 / 2, HSWA LANL

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

TO: S. Yanicak FAX #: (505) 672-0466 PHONE # (505) 672-04 GRP ORG NMED/AIP

TO: B. Enz FAX #: (505) 982-8278 PHONE # (505) 982-4038 GRP ORG DOE/LAAO

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: R. Martinez FAX #: (505) 665-6977 PHONE # (505) 665-6976 GRP ORG ESH-7

TO: R. Montes FAX #: (505) 827-2965 PHONE # (505) 827-1014 GRP ORG NMED/GWQB

TO: John Kieling FAX #: (505) 827-1544 PHONE # (505) 827-1557 GRP ORG NMED/HRMB

TO: E. Hoth FAX #: 665-6636 PHONE # 665-5932 GRP ORG F-4

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

MESSAGE: 15 day report on the TA-2 Potable Water line failure.

NUMBER OF PAGES TO FOLLOW: 5

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

GROUP LEADER/TEAM LEADER
H.D for M.S

Handwritten initials: TC