

Los Alamos

Los Alamos National Laboratory
Los Alamos, New Mexico 87545

WATER QUALITY & HYDROLOGY GROUP, ESH-18
FAX TRANSMITTAL COVER SHEET

HSWH, LAMPLE FU-2/001-1100/TA 53

FAX #: (505) 665-9344

VERIFICATION #: (505) 665-0453

DATE: 4-28-97

LOG NO: WQ&H-FAX-97:

FROM: Harvey Decker

PHONE #: (505) 665-2014

TO: Benito Garcia FAX #: 827-1544 PHONE #: (505) 827-1557

ORG: NMED/HRMB

TO: Marcy Leavitt FAX #: 827-2965 PHONE #: (505) 827-2918

ORG: NMED/GWB

TO: _____ FAX #: _____ PHONE #: ()

ORG: _____

MESSAGE: ~~7 day release notification form~~ 15 day Corrective Action Report for TA-53, cooling tower 62 release.

NUMBER OF PAGES INCLUDING COVER: 3

CY: **WQ&H FAX FILE**

[Signature]
TEAM LEADER OR GROUP LEADER



4485

TC

WATER QUALITY & HYDROLOGY GROUP (ESH-18)

FAX TRANSMITTAL SHEET

FAX #: (505) 665-9344

VERIFICATION #: (505) 665-0453

Date: 4-28-97

LOG NO: ESH-18:97-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) 665-6475 GRP/ORG: EPA Region VI
(214) 665-6080

TO: Tori George 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: R. Bydler FAX #: () 5-4825 PHONE # () 72936 GRP/ORG: DOT FM

TO: _____ FAX #: () PHONE # () GRP/ORG: _____

TO: _____ FAX #: () PHONE # () GRP/ORG: _____

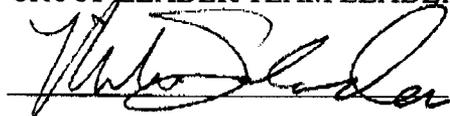
FROM: Harvey Decker, ESH-18, MS K497 PHONE #: (505) 665-2014

MESSAGE: Release Notification: 7 day release notification, 15 day corrective action. For TA-53
cooling tower G2 release.

NUMBER OF PAGES TO FOLLOW: 2

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

GROUP LEADER/TEAM LEADER



Los Alamos National Laboratory
NPDES Permit No. NM0028355
Corrective Action Form

Responsible Facility/User Group: AOT Contact Person: Rich Ryder

Phone #: 667-2936

Pager #: 104-1941

Discharge Location: TA-53-MPF62, Cooling Tower

Discharge Occurred: 4/12/97

Discharge Discovered: 4/13/97, Approximately 12:00 p.m.

Discharge Stopped: 4/13/97, Approximately 12:15 p.m.

Corrective Actions: Repair to stop discharge consisted of fitting a temporary section of PVC pipe over the broken section of pipe. This diverted the water back into the basin of the cooling tower. Duration of discharge is estimated to be 20 hours.

Nearest water course and/or canyon affected: None

Source and cause of discharge: A 1" return line froze and ruptured.

Material spilled: Treated Cooling Water

Estimated amount: ~ 5000 gallons

*24 Hr. Notification:

| | | |
|------------------------|----------------------------|-----------------------------|
| EPA: <u>E. Spencer</u> | NMED: <u>B. Hoditschek</u> | NMED/AIP: <u>S. Yanicak</u> |
| TIME: <u>3:30 p.m.</u> | TIME: <u>3:40 p.m.</u> | TIME: <u>3:50 p.m.</u> |
| DATE: <u>4/14/97</u> | DATE: <u>4/14/97</u> | DATE: <u>4/14/97</u> |

| | | |
|---------------------------|------------------------|---------------------------------------|
| ESH-7: <u>R. Martinez</u> | DOE: <u>B. Koch</u> | NMED: <u>J. Kieling, C. Whitman</u> |
| TIME: <u>7:00 a.m.</u> | TIME: <u>4:00 p.m.</u> | TIME: <u>8:15 a.m. and 11:15 a.m.</u> |
| DATE: <u>4/15/97</u> | DATE: <u>4/14/97</u> | DATE: <u>4/15/97, 4/16/97</u> |

Cleanup Started: NA
Cleanup Finished: NA

Weather conditions: Below freezing, snow

Written Follow-up with 7 days: Date: Sent on 4/15/97
Corrective action report within 15 days: Date: Sent on 4/28/97
NMED/EPA Approval on file: Date: Pending

Comments: A visual inspection was performed by H. Decker of ESH-18 on 4-14-97 at approximately 10:45 a.m. From visual observation the flow resulted from a ruptured 1" return line due to freezing. The effluent flowed for approximately 60' into a storm drain which is channeled to a road cut into the Tuff. The soil in this area is very sandy and the effluent soaked into the soil causing a piece of saturated tuff to fall from the sheer face of the road cut. The effluent drained from this wall on to the road. At this point the flow ceased and the effluent saturated into the road way. Operational sampling results obtained from the Cooling Tower basin indicated an Arsenic level of .014 PPM. No Chlorine operational samples are obtained as this equipment is fitted with a De-chlorinator. The nearest well is Otowi 4, located approximately .5 miles away from this cooling tower. Depth to first water is estimated to be 400 feet from the discharge point. From best available information it appears NO SWMU's or PRS's were impacted from this discharge.

Corrective Actions Taken: The 1" return line has been repaired. This cooling tower is on a routine maintenance schedule and will be checked periodically in order to verify correct operating conditions. Operational sampling of this Cooling Tower is on-going in order to assure compliance with NPDES permit parameters. It is not believed that this discharge is detrimental to human health or the environment.

Corrective Action Form completed by: H. Decker, ESH-18.

Thomas Todd
Area Manager
Department of Energy
Los Alamos Area Office
Los Alamos, New Mexico 87545
(505) 667-5105

Dennis Erickson
Division Director, ESH-DO
University of California
P.O. Box 1663, MS K491
Los Alamos, New Mexico 87545
(505) 667-4218