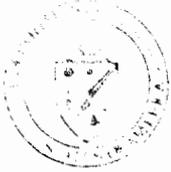


The following original's photocopied
and the information is not complete
found by the State of New Mexico
New Mexico

Permit



Department of Energy
Albuquerque Operations
Los Alamos Area Office
Los Alamos New Mexico 87544

APR 1 1991

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

1237752 907

Mr. Myron Knudson, Director
Water Division, (6W)
U. S. EPA, Region 6
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

Dear Mr. Knudson:

Reference is made to the National Pollutant Discharge Elimination System (NPDES) Permit #NM0028355 Discharge Monitoring Reports (DMRs) for March 1991.

Enclosed are Los Alamos National Laboratory's (LANL's) DMRs (EPA Form 3320-1, Rev. 9-88) for March of 1991, as required by the subject NPDES Permit. Interim effluent limitations are in effect for outfalls 04S, 05S, 09S and 10S as stated in the Federal Facilities Compliance Agreement signed by the U. S. Department of Energy on January 7, 1991. Maximum permit conditions were exceeded on seven occasions out of the 171 analyses done this month for discharge serial numbers 01A through 128 (industrial discharges). The maximum permit conditions for both chemical and biological constituents were not exceeded out of the 26 analyses done this month for discharge serial numbers 01S through 12S (domestic waste discharges).

Application for permit to discharge wastewater from the TA-46 south lagoons, Outfall 12S, was submitted to EPA Region 6 on December 9, 1987. These lagoons do not include sand filters for final treatment and the maximum daily discharge limits are assumed to be similar to those of sanitary outfalls 04S and 10S (45.0 mg/l BOD and 90.0 mg/l TSS) as specified in LANL's NPDES Permit. The first discharge from these lagoons occurred on September 28, 1990. The outlet from these lagoons was plugged on October 1, 1990, and there has been no discharge since that time.

Increased monitoring and reporting are being performed at 03A Outfalls as part of a study to determine the cause of total phosphorous noncompliances. This study is part of remedial action taken to reduce and eliminate total phosphorous noncompliances.



15126

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Mr. Myron Knudson

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For your Agency's request, please note that we have started to report sanitary outfalls 02S, 04S, 05S, 07S, 09S, 10S, and 12S quarterly except for flow data which we will continue to report monthly. Any violations that occur at these outfalls are reported in the DMR monthly submittal in which they occurred.

Please feel free to contact Don George of my staff at FTS 855-5046 should you have any questions.

Sincerely,


Jerry L. Bellows
Area Manager

Enclosures

cc w/enclosures:

- J. Highland, USEPA, Region 6, Dallas, TX
- J. Piatt, NMEID, Santa Fe, NM
- J. Themelis, EPD, AL, w/Summary of Noncompliance

The following original photographs
on this microfilm was not completely
legible, therefore the Micro Image are
Not Readable

INDUSTRIAL WASTE DEVIATIONS

<u>EPA ID</u>	<u>TECH AREA LOCATION</u>	<u>DATE</u>	<u>PARAMETER</u>	<u>RESULTS/LIMIT</u>	<u>UNITS</u>
01A001	TA-03-22	03/05/91	pH	10.9/9.0	su
01A001	TA-03-22	03/05/91	pH	10.4/9.0	su
02A007	TA-16-540	03/06/91	FOAM	present/trace	-
02A007	TA-16-540	03/07/91	FOAM	present/trace	-
03A022	TA-03-127	03/16/91	TSS	2072.0/100.0	mg/l
03A022	TA-03-127	03/16/91	TSS	818.0/100.0	mg/l
128	TA-22-91	03/20/91	COD	3.9/3.8	lbs/d

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on this microfiche was not completely
legible, therefore the Micro Image are
Non-Readable

Department of Energy
Los Alamos Area Office
Los Alamos, NM 87544

**SUBJECT: NONCOMPLIANCE WITH EFFLUENT
LIMITATION IN NPDES PERMIT NM0028355**

1. Location of noncomplying discharge

Serial C1A001

TA-3-22

2. Description of noncomplying discharge

Effluent pH of 10.4 exceeded the daily maximum permit requirement of 9.0 on March 5, 1991, at 12:04 p.m.

3. Impact upon the receiving waters

The effluent from this facility discharges to Sandia Canyon, an ephemeral tributary to the Rio Grande. The effluent did not reach the receiving waters of the Rio Grande.

4. Cause of noncompliance

Caustic solution was inadvertently discharged into the pH neutralization tank during discharge from the tank.

5. Anticipated time of condition if applicable

Approximately 20 minutes.

6. Duration of condition if uncorrected

Condition corrected.

7. Steps taken to reduce and eliminate condition

Operators immediately stopped discharge from the pH neutralization tank when pH samples taken during discharge indicated pH exceeded effluent limits.

8. Steps taken to prevent a recurrence of the condition

Operating procedures have been modified to assure that no influent is introduced to the pH neutralization tank during discharge. A valve will be installed to prevent influent to the tank following pH neutralization.

9. Steps taken to minimize any adverse impact to navigable water

No adverse impact to navigable waters is anticipated as the discharge did not cross the Laboratory boundary or reach the Rio Grande.

The following original(s) photograph(s) and/or film(s) was/were not completely legible, therefore the Micro-Image are Non-Readable.

Department of Energy
Los Alamos Area Office
Los Alamos, NM 87544

**SUBJECT: NONCOMPLIANCE WITH EFFLUENT
LIMITATION IN NPDES PERMIT NM0028355**

1. Location of noncomplying discharge

Serial 01A001 TA-3-22

2. Description of noncomplying discharge

Effluent pH of 10.9 exceeded the daily maximum permit requirement of 9.0 on March 5, 1991, at 11:55 a.m.

3. Impact upon the receiving waters

The effluent from this facility discharges to Sandia Canyon, an ephemeral tributary to the Rio Grande. The effluent did not reach the receiving waters of the Rio Grande.

4. Cause of noncompliance

Caustic solution was inadvertently discharged into the pH neutralization tank during discharge from the tank.

5. Anticipated time of condition if applicable

Approximately 20 minutes.

6. Duration of condition if uncorrected

Condition corrected.

7. Steps taken to reduce and eliminate condition

Operators immediately stopped discharge from the pH neutralization tank when pH samples taken during discharge indicated pH exceeded effluent limits.

8. Steps taken to prevent a recurrence of the condition

Operating procedures have been modified to assure that no influent is introduced to the pH neutralization tank during discharge. A valve will be installed to prevent influent to the tank following pH neutralization.

9. Steps taken to minimize any adverse impact to navigable water

No adverse impact to navigable waters is anticipated as the discharge did not cross the Laboratory boundary or reach the Rio Grande.

PERMITTEE NAME: ADDRESS (Include
 Facility Name, Location if different)

NAME DEPT OF ENERGY
 ADDRESS CHIEF, ES&H BRANCH
LOS ALAMOS AREA OFFICE
LOS ALAMOS NM 87544 R
 FACILITY _____
 LOCATION _____

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)

NM0028355
 PERMIT NUMBER

01A A
 DISCHARGE NUMBER

Form Approved.
 TA-3 STEAM PLANT No. 2040-0034.
 FINAL LIMITS Approval expires 6-30-81

MONITORING PERIOD					
YEAR	MO	DAY	YEAR	MO	DAY
91	03	01	91	03	31
(20-21)		(22-23)		(24-25)	
RIJ		(26-27)		(28-29)	
(30-31)					

NOTE: Read instructions before completing this form.

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX. (62-63)	FREQUENCY OF ANALYSIS (64-65)	SAMPLE TYPE (66-72)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW		.2251	.2479	MGD					0	2/MO	EST.
50050 1 0 0	PERMIT REQUIREMENT	REPORT	REPORT							1/MO	EST.
PH					7.5		10.9	SU	2	3/MO	GRAB
00400 1 0 0	PERMIT REQUIREMENT				6.0		9.0			1/MO	GRAB
TOTAL SUSP. SOLID						7.51	15.00	MG/L	0	2/MO	GRAB
00530 1 0 0	PERMIT REQUIREMENT					30.00	100.00			1/MO	GRAB
FREE AVAIL. CHLOR						.00	.00	MG/L	0	2/MO	GRAB
50064 1 0 0	PERMIT REQUIREMENT					.20	.50			1/MO	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
CHIEF, ES&H BRANCH
 SIGNED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION I BELIEVE THE SUBMITTED INFORMATION IS TRUE ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 USC § 1001 AND 33 USC § 1319. (Penalties under these statutes may include fines up to \$10,000 and/or maximum imprisonment of between 6 months and 5 years.)

[Signature]
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
505 667-5105
 DATE
91 4 15
 AREA CODE NUMBER YEAR MO DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)