Los Alamos
NATIONAL LABORATORY

Los Alamos National Laboratory
Los Alamos, New Mexico 87545

Date: October 26, 1998
In Reply Refer To: ESH-18/WQ&H:98-0373
Mail Stop: K497
Telephone: (505) 665-1859

NPDES

Ms. Diana Gamble
U.S. Environmental Protection Agency
Compliance Assurance and Enforcement Division
Water Enforcement Branch (6EN-W)
1445 Ross Avenue
Dallas, Texas 75202-2733

SUBJECT: DISCHARGE MONITORING REPORTS (DMRs) FOR SEPTEMBER, 1998, NPDES PERMIT NO. NM0028355

Dear Ms. Gamble:

Enclosed are Los Alamos National Laboratory's DMRs (EPA Form 3320-1) for September, 1998, as required under the above referenced NPDES Permit. There were no effluent limitations exceeded for the industrial outfalls. There were no effluent limitations exceeded for the analyses performed for sanitary outfall 13S.

Please contact Carla Jacquez at (505) 665-0450 or Mike Saladen at (505) 665-6085 if you desire any additional information concerning these DMRs.

Sincerely,

Steven R. Rae
Group Leader, ESH-18
Water Quality & Hydrology Group

SR:CJ/md

Enclosures: a/s

Cy: C. Soden, DOE/AL, Albuquerque, New Mexico, w/enc.
G. Saums, NMED, Santa Fe, New Mexico, w/enc.
J. Parker, NMED/AIP, Santa Fe, New Mexico, w/enc.
J. Vozella, DOE/LAAO, w/enc., MS A316
D. Erickson, LANL, ESH-DO, w/enc., MS K491
M. Brown, JCI/JENV, w/enc., MS A199
LANL Outfall Owners, w/enc.
WQ&H File, w/enc., MS K497
CIC-10, w/enc., MS A150

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NOV 03 1998
DOE OVERSIGHT BUREAU

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PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME UNIVERSITY OF CALIFORNIA

ADDRESS LOS ALAMOS NATIONAL LABORATORY
PO BOX 1663; MAIL STOP K490
LOS ALAMOS,, NM 87545

FACILITY LOCATION Outfall Owner: D. Padilla

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

(2-16) NM0028355 — PERMIT NUMBER

(17-19) 001 A — DISCHARGE NUMBER

MAJOR
F - FINAL

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	98	09	01	TO	98	09	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

Form Approved.
OMB No. 2040-0004
Approval expires 05-31-98

POWER PLANT DISCHARGE
*** NO DISCHARGE ***
NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUANTITY OR CONCENTRATION (46-53) MINIMUM	(54-61) AVERAGE	MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
PH	SAMPLE MEASUREMENT	*****	*****	*****	7.9	*****	7.9	SU	0	1/MON	GRAB
00400 1 0 0	PERMIT REQUIREMENT	*****	*****		6.0 MINIMUM	*****	9.0 MAXIMUM			1/MON	GRAB
TOTAL SUSP. SOLIDS	SAMPLE MEASUREMENT	*****	*****	*****	*****	3	3	MG/L	0	1/MON	GRAB
00530 1 0 0	PERMIT REQUIREMENT	*****	*****		*****	30 DAILY AVG	100 DAILY MAX			1/MON	GRAB
FLOW	SAMPLE MEASUREMENT	0.7200	0.7200	MGD	*****	*****	*****	*****		1/MON	EST
50050 1 0 0	PERMIT REQUIREMENT	REPORT DAILY AVG	REPORT DAILY MAX		*****	*****	*****			1/MON	EST
FREE AVAIL. CHLORINE	SAMPLE MEASUREMENT	*****	*****	*****	*****	0.0	0.0	MG/L	0	1/MON	GRAB
50064 1 0 0	PERMIT REQUIREMENT	*****	*****		*****	0.2 DAILY AVG	0.5 DAILY MAX			1/MON	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
STEVEN R. RAE
ESH-18 GROUP LEADER
TYPED 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 U.S.C. § 1001 AND 33 U.S.C. § 1319. (Penalties under these statutes may include fines up to $10,000 and or maximum imprisonment of between 6 months and 5 years.)

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 505 665-0453 (AREA CODE / NUMBER)

DATE: 98 (YEAR) 10 (MO) 27 (DAY)

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

PERMITTEE NAME/ADDRESS (Include Facility Name/ Location if Different)

NAME UNIVERSITY OF CALIFORNIA

ADDRESS LOS ALAMOS NATIONAL LABORATORY
PO BOX 1663; MAIL STOP K490
LOS ALAMOS,, NM 87545

FACILITY LOCATION Outfall Owner: S. Hanson

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

PERMIT NUMBER (2-16)	DISCHARGE NUMBER (17-19)
NM0028355	051 A

MAJOR
F - FINAL

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FROM	98	09	01	TO	98	09	30
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INDUST. WASTE TREATMENT DISCHARGE
*** NO DISCHARGE ***
NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (46-53) MINIMUM	(54-61) AVERAGE	MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
CHEMICAL OXY. DEMAND	SAMPLE MEASUREMENT	4	9	LB/DY	*****	20	25	MG/L	0	5/MON	GRAB
00340 1 0 1	PERMIT REQUIREMENT	94 DAILY AVG	156 DAILY MAX		*****	125 DAILY AVG	125 DAILY MAX			1/WK	GRAB
PH	SAMPLE MEASUREMENT	*****	*****	*****	6.1	*****	8.9	SU	0	CONT	REC
00400 1 0 0	PERMIT REQUIREMENT	*****	*****		6.0 MINIMUM	*****	9.0 MAXIMUM			CONT	REC
TOTAL SUSP. SOLIDS	SAMPLE MEASUREMENT	1.1	2.9	LB/DY	*****	*****	*****	*****	0	5/MON	GRAB
00530 1 0 0	PERMIT REQUIREMENT	18.8 DAILY AVG	62.6 DAILY MAX		*****	*****	*****			1/WK	GRAB
TOTAL NITROGEN	SAMPLE MEASUREMENT	*****	*****	*****	*****	18.0	18.0	MG/L	0	1/MON	GRAB
00600 1 0 1	PERMIT REQUIREMENT	*****	*****		*****	REPORT DAILY AVG	REPORT DAILY MAX			1/MON	GRAB
AMMONIA (AS N)	SAMPLE MEASUREMENT	*****	*****	*****	*****	3.3	3.3	MG/L	0	1/MON	GRAB
00610 1 0 0	PERMIT REQUIREMENT	*****	*****		*****	REPORT DAILY AVG	REPORT DAILY MAX			1/MON	GRAB
NITRATE-NITRITE AS N	SAMPLE MEASUREMENT	*****	*****	*****	*****	15.0	15.0	MG/L	0	1/MON	GRAB
00630 1 0 1 (*)	PERMIT REQUIREMENT	*****	*****		*****	REPORT DAILY AVG	REPORT DAILY MAX			1/MON	GRAB
TOTAL CADMIUM	SAMPLE MEASUREMENT	0.00	0.00	LB/DY	*****	0.0	0.0	MG/L	0	5/MON	GRAB
01027 1 0 1	PERMIT REQUIREMENT	0.06 DAILY AVG	0.30 DAILY MAX		*****	0.2 DAILY AVG	0.2 DAILY MAX			1/WK	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
STEVEN R. RAE
ESH-18 GROUP LEADER
TYPED OR PRINTED

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Steven Rae
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 505 665-0453 (AREA CODE / NUMBER)

DATE: 98 10 27 (YEAR / MO / DAY)

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

(*) Note: Total Nitrogen was calculated using a value for NH_3 as N instead of TKN. The results for TKN was biased due to matrix interference (SR)

EPA Form 3320-1 (08-95) Previous editions may be used. (REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

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NAME UNIVERSITY OF CALIFORNIA

ADDRESS LOS ALAMOS NATIONAL LABORATORY
PO BOX 1663; MAIL STOP K490
LOS ALAMOS,, NM 87545

FACILITY LOCATION Outfall Owner: S. Hanson

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

PERMIT NUMBER (2-16)	DISCHARGE NUMBER (17-19)
NM0028355	051 A

MAJOR
F - FINAL

Form Approved.
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MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	98	09	01	TO	98	09	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

INDUST. WASTE TREATMENT DISCHARGE
*** NO DISCHARGE ***

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
TOTAL CHROMIUM	SAMPLE MEASUREMENT	0.00	0.00	LB/DY	*****	0.0	0.0	MG/L	0	5/MON	GRAB
01034 1 0 1	PERMIT REQUIREMENT	0.19 DAILY AVG	0.38 DAILY MAX		*****	5.1 DAILY AVG	5.1 DAILY MAX			1/WK	GRAB
TOTAL COPPER	SAMPLE MEASUREMENT	0.01	0.02	LB/DY	*****	0.1	0.1	MG/L	0	5/MON	GRAB
01042 1 0 1	PERMIT REQUIREMENT	0.63 DAILY AVG	0.63 DAILY MAX		*****	1.6 DAILY AVG	1.6 DAILY MAX			1/WK	GRAB
TOTAL IRON	SAMPLE MEASUREMENT	0.0	0.1	LB/DY	*****	*****	*****	*****	0	5/MON	GRAB
01045 1 0 0	PERMIT REQUIREMENT	1.0 DAILY AVG	2.0 DAILY MAX		*****	*****	*****			1/WK	GRAB
TOTAL LEAD	SAMPLE MEASUREMENT	0.00	0.00	LB/DY	*****	0.0	0.0	MG/L	0	5/MON	GRAB
01051 1 0 1	PERMIT REQUIREMENT	0.06 DAILY AVG	0.15 DAILY MAX		*****	0.4 DAILY AVG	0.4 DAILY MAX			1/WK	GRAB
TOTAL NICKEL	SAMPLE MEASUREMENT	*****	*****	*****	*****	0.1	0.1	MG/L	0	5/MON	GRAB
01067 1 0 1	PERMIT REQUIREMENT	*****	*****		*****	REPORT DAILY AVG	REPORT DAILY MAX			1/WK	GRAB
TOTAL ZINC	SAMPLE MEASUREMENT	0.01	0.02	LB/DY	*****	0.1	0.1	MG/L	0	5/MON	GRAB
01092 1 0 1	PERMIT REQUIREMENT	0.62 DAILY AVG	1.83 DAILY MAX		*****	95.4 DAILY AVG	95.4 DAILY MAX			1/WK	GRAB
RADIUM-226 + 228	SAMPLE MEASUREMENT	*****	*****	*****	*****	3.9	3.9	PCI/L	0	1/MON	GRAB
11503 1 0 1	PERMIT REQUIREMENT	*****	*****		*****	30.0 DAILY AVG	30.0 DAILY MAX			1/MON	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
STEVEN R. RAE
ESH-18 GROUP LEADER
TYPED OR PRINTED

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

See p. 1 of 3: pH based on continuous pH meter during three days.
pH based on log-book value during one day. (SR)

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DISCHARGE MONITORING REPORT (DMR)

NM0028355 (2-16)	051 A (17-19)
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MAJOR
F - FINAL

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INDUST. WASTE TREATMENT DISCHARGE
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PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUANTITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
FLOW (*)	SAMPLE MEASUREMENT	0.0279	0.0439	MGD	*****	*****	*****	*****		CONT	REC
50050 1 0 0	PERMIT REQUIREMENT	REPORT DAILY AVG	REPORT DAILY MAX		*****	*****	*****			CONT	REC
TOTAL MERCURY	SAMPLE MEASUREMENT	0.000	0.00	LB/DY	*****	0.00	0.00	MG/L	0	5/MON	GRAB
71900 1 0 1	PERMIT REQUIREMENT	0.003 DAILY AVG	0.09 DAILY MAX		*****	0.01 DAILY AVG	0.01 DAILY MAX			1/WK	GRAB
TOTAL TOXIC ORGANICS	SAMPLE MEASUREMENT	*****	*****	*****	*****	0.0	0.0	MG/L	0	1/MON	GRAB
78141 1 0 1 (**)	PERMIT REQUIREMENT	*****	*****		*****	1.0 DAILY AVG	1.0 DAILY MAX			1/MON	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
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	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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Steve Rae
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: 505 665-0453 (AREA CODE / NUMBER)

DATE: 98 (YEAR) 10 (MO) 27 (DAY)

SR

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

(*) Flow based on effluent tank volume due to flow meter failure during for days.

(**) Results of 2 of the 111 contributors to T.T.O. were qualified as estimated under laboratory DA/QC methods

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FACILITY LOCATION Outfall Owner: D. Padilla

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

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
NM0028355	13S A

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	98	09	01	TO	98	09	30
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MAJOR
F - FINAL

TREATED SANITARY SEWAGE EFFLUENT
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BIO. OXY. DMD. 5 DAY	SAMPLE MEASUREMENT	4	*****	LB/DY	*****	1	2	MG/L	0	3/MON	COMP
00310 1 0 0	PERMIT REQUIREMENT	100 DAILY AVG	*****		*****	30 DAILY AVG	45 DAILY MAX			3/MON	COMP
PH	SAMPLE MEASUREMENT	*****	*****	*****	7.4	*****	7.6	SU	0	5/MON	GRAB
00400 1 0 0	PERMIT REQUIREMENT	*****	*****		6.0 MINIMUM	*****	9.0 MAXIMUM			1/WK	GRAB
TOTAL SUSP. SOLIDS	SAMPLE MEASUREMENT	3	*****	LB/DY	*****	1	1	MG/L	0	3/MON	COMP
00530 1 0 0	PERMIT REQUIREMENT	100 DAILY AVG	*****		*****	30 DAILY AVG	45 DAILY MAX			3/MON	COMP
FLOW	SAMPLE MEASUREMENT	0.3144	0.4120	MGD	*****	*****	*****	*****		CONT	TOTAL
50050 1 0 0	PERMIT REQUIREMENT	REPORT DAILY AVG	REPORT DAILY MAX		*****	*****	*****			CONT	TOTAL
FECAL COL.BAC./100ML	SAMPLE MEASUREMENT	*****	*****	*****	*****	1	1	#/100ML	0	3/MON	GRAB
74055 1 0 0	PERMIT REQUIREMENT	*****	*****		*****	500 LOG MEAN	500 DAILY MAX			3/MON	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE 505 NUMBER 665-0453

DATE: YEAR 98 MO 10 DAY 27

COMMENTS AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*