

LA-UR-11-10245

Approved for public release; distribution is unlimited.

Title: NPDES PERMIT NO. NM 0028355 MONTHLY DISCHARGE MONITORING REPORTS (DMRS) FOR FEBRUARY 2011

Author(s): Jacquez, Carla M.

Intended for: DMRS
Report
US EPA
Environmental monitoring and surveillance
Reading Room
RCRA



Disclaimer:

Los Alamos National Laboratory, an affirmative action/equal opportunity employer, is operated by the Los Alamos National Security, LLC for the National Nuclear Security Administration of the U.S. Department of Energy under contract DE-AC52-06NA25396. By acceptance of this article, the publisher recognizes that the U.S. Government retains nonexclusive, royalty-free license to publish or reproduce the published form of this contribution, or to allow others to do so, for U.S. Government purposes. Los Alamos National Laboratory requests that the publisher identify this article as work performed under the auspices of the U.S. Department of Energy. Los Alamos National Laboratory strongly supports academic freedom and a researcher's right to publish; as an institution, however, the Laboratory does not endorse the viewpoint of a publication or guarantee its technical correctness.



Environmental Protection Division
Water Quality & RCRA Group (ENV-RCRA)
P.O. Box 1663, Mail Stop K490
Los Alamos, New Mexico 87545
(505) 667-0666/FAX: (505) 667-5224

Date: March 22, 2011
Refer To: ENV-RCRA-11-0056
LAUR: 11-

Ms. Mary Simmons
U.S. Environmental Protection Agency, Region 6
Compliance Assurance and Enforcement Division
Water Enforcement Branch (6SF)
1445 Ross Avenue, Suite 1200
Dallas, TX 75202-2733

Dear Ms. Simmons:

SUBJECT: NPDES PERMIT NO. NM0028355, MONTHLY DISCHARGE MONITORING REPORTS (DMRS) FOR FEBRUARY 2011

Enclosed are Los Alamos National Laboratory's monthly DMRs for February 2011, as required under the NPDES Permit No. NM0028355.

There were no maximum effluent limitations exceeded out of the 71 analyses conducted on industrial and sanitary outfalls during the monitoring period.

Please note that extreme low temperatures, dangerous wind chills, and icy road conditions occurred during the week of Monday, January 31, 2011 through Friday, February 4, 2011 resulting in the shutdown of sampling activities for safety reasons. During this period, the weekly field parameters for pH and total residual chlorine (TRC) were not collected at Outfall 03A022, Outfall 03A048, Outfall 03A113, and Outfall 03A181. On the following week, additional field parameters were collected at Outfall 03A022, Outfall 03A048, and Outfall 03A181. At Outfall 03A113, the end of the pipe remained plugged until February 14, 2011, at which time the additional field parameters were collected. This information is also documented on appropriate DMRs.

Please contact Marc Bailey at (505) 665-8135 or Mike Saladen at (505) 665-6085 of the Water Quality and RCRA Group (ENV-RCRA) if you have questions.

Sincerely,

Anthony R. Grieggs
Group Leader
Water Quality & RCRA Group (ENV-RCRA)

ARG:CJ/lm

Enclosures: a/s

Cy: Glenn Saums, NMED/SWQB, Santa Fe, NM, w/enc.
Bill Olson, NMED/GWQB, Santa Fe, NM, w/enc.
Thomas Skibitski, NMED/DOE/OB, Albuquerque, NM, w/enc.
Neil Weber, San Ildefonso Pueblo, Santa Fe, NM, w/enc.
Gene Turner, LASO-EO, w/enc., A316
Michael B. Mallory, PADOPS, w/o enc., A102
J. Chris Cantwell, ADESHQ, w/o enc., K491
John C. Del Signore, TA-55-RLW, w/enc., E518
Carla Jacquez, ENV-RCRA, w/enc., K490, (E-File)
Marc Bailey, ENV-RCRA, w/enc., (E-File)
ENV-RCRA File, w/enc., K490
IRM-RMMSO, w/enc., A150

PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)
LANS, LLC.
LOS ALAMOS NATIONAL LABORATORY
PO BOX 1663; MAIL STOP K490
LOS ALAMOS, NM 87545

FACILITY LOCATION
LANS, LLC.
LOS ALAMOS, NM 87545
ATTN: ANTHONY R. GRIEGGS ENV-RCRA

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(17-19)
001A
DISCHARGE NUMBER

PERMIT NUMBER
NM0028355

MONITORING PERIOD
YEAR MO DAY YEAR MO DAY
FROM 11 02 01 TO 11 02 28
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

POWER PLANT WASTEWATER
External Outfall

Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)	(3 Card Only) QUANTITY OR LOADING (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	MINIMUM (39-45)	AVERAGE (46-53)	MAXIMUM (54-61)			
Temperature, water deg. centigrade **	*****	*****	*****	*****	11	12	0	04/30	GRAB
00010 1 0 Effluent Gross	*****	*****	*****	*****	24 MO AVG	DAILY MX		Weekly	GRAB
pH *	*****	*****	*****	7.6	*****	7.8	0	04/30	GRAB
00400 1 0 Effluent Gross	*****	*****	*****	6.6 MINIMUM	*****	8.8 MAXIMUM		Weekly	GRAB
Solids, total suspended	*****	*****	*****	*****	2	2	0	01/30	COMP24
00530 1 0 Effluent Gross	*****	*****	*****	*****	30 MO AVG	DAILY MX		Monthly	COMP24
Aluminum, total (as Al) **	*****	*****	*****	*****	0.000	0.000	0	01/30	COMP24
01105 1 0 Effluent Gross	*****	*****	*****	*****	0.058 MO AVG	DAILY MX		Monthly	COMP24
Flow, in conduit or thru treatment plant	0.35660	0.47010	Mgal/d	*****	*****	*****		Continuous	ESTIMA TO
50050 1 0 Effluent Gross	*****	*****	*****	*****	*****	*****		Continuous	ESTIMA
Chlorine, total residual	*****	*****	*****	*****	*****	0	0	04/30	GRAB
50060 1 0 Effluent Gross	*****	*****	*****	*****	*****	0.011 INST MAX		Weekly	GRAB
E. Coli ***	*****	*****	*****	*****	<1	4	0	04/30	GRAB
51040 1 0 Effluent Gross	*****	*****	*****	*****	126 MOAV GEO	DAILY MX		Weekly	GRAB
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER				SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			TELEPHONE		DATE
ANTHONY R. GRIEGGS ENV-RCRA							505 665-0451		
TYPED OR PRINTED							AREA CODE		NUMBER
							505 665-0451		

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
PERMIT EFFECTIVE DATE: AUGUST 1, 2007. *6.6-8.8 SU EFFECTIVE AS OF JANUARY 31, 2008. **AL AND TEMP-REPORT ONLY EFFECTIVE THROUGH JULY 31, 2010. ***E-COLI- REPORT ONLY EFFECTIVE THROUGH JANUARY 31, 2008. E. COLI EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS ONLY APPLY WHEN EFFLUENT FROM OUTFALL 13S REROUTED AND DISCHARGED AT OUTFALL 001. TOTALIZED FLOW ESTIMATE
Note: Al (T) result < MO AVG of 0.058 mg/l and < MQL of 0.100 mg/l.

PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)
 LANS, LLC.
 LOS ALAMOS NATIONAL LABORATORY
 PO BOX 1663; MAIL STOP K490
 LOS ALAMOS, NM 87545

FACILITY LOCATION
 LANS, LLC.
 LOS ALAMOS, NM 87545
 ATTN: ANTHONY R. GRIEGGS ENV-RCRA

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 (17-19)
 NM0028355 PERMIT NUMBER
 022A DISCHARGE NUMBER

MONITORING PERIOD
 YEAR MO DAY
 FROM 11 02 01 TO 11 02 28
 (20-21) (22-23) (24-26) (28-27) (28-29) (30-31)

COOLING TOWER BLOWDOWN & OTHER WASTEWATER
 External Outfall

Check here if No Discharge Page 3

NOTE: Read instructions before completing this form

PARAMETER (32-37)	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUANTITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
pH	*****	*****	*****	8.0	*****	8.7	0	04/30	GRAB
00400 1 0 Effluent Gross	*****	*****	*****	6.0 MINIMUM	*****	9.0 MAXIMUM	0	Weekly	GRAB
Copper, total (as Cu) *	*****	*****	*****	*****	0.015	0.015	0	01/30	GRAB
01042 1 0 Effluent Gross	*****	*****	*****	*****	0.019 MO AVG	0.028 DAILY MX		Monthly	GRAB
Flow, in conduit or thru treatment plant	0.00372	0.00793	Mgal/d	*****	*****	*****		Daily	ESTIMA TO
50050 1 0 Effluent Gross	Req. Mon. MO AVG	Req. Mon. DAILY MX	*****	*****	*****	*****		Daily	ESTIMA
Chlorine, total residual	*****	*****	*****	*****	0	*****	0	04/30	GRAB
50060 1 0 Effluent Gross	*****	*****	*****	*****	0.011 INST MAX	*****		Weekly	GRAB

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED TO THIS REPORT AND THAT I AM FULLY RESPONSIBLE FOR OBTAINING THE INFORMATION, THE INFORMATION PERSONS DIRECTLY RESPONSIBLE FOR OBTAINING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SEVERAL CIVIL PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE SUSPENSION OF THE PERMIT AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 19 U.S.C. 2251 AND 2252. My signature and date of signature may include time up to 30,000 and or annual implementation of between 1 month and 5 years.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 ANTHONY R. GRIEGGS
 ENV-RCRA
 TYPED OR PRINTED

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
 TELEPHONE
 505 665-0451
 AREA CODE NUMBER YEAR MO DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 PERMIT EFFECTIVE DATE: AUGUST 4, 2007. *CU-REPORT ONLY EFFECTIVE THROUGH JANUARY 31, 2010. TOTALIZED FLOW ESTIMATE Note: Extreme low temperatures and icy road conditions shut down sampling activities (for safety reasons) during the week of Monday January 31 - Friday, February 4, 2011. Additional field parameters for pH and TRC were collected the following week.

PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)
LANS, LLC.
LOS ALAMOS NATIONAL LABORATORY
PO BOX 1663; MAIL STOP K490
LOS ALAMOS, NM 87545

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(17-19)

NM0028355
PERMIT NUMBER

027A
DISCHARGE NUMBER

COOLING TOWER BLOWDOWN & OTHER WASTEWATER
External Outfall

Check here if No Discharge Page 4

NOTE: Read Instructions before completing this form

MONITORING PERIOD
YEAR MO DAY YEAR MO DAY
FROM 11 02 01 TO 11 02 28
(20-21) (22-23) (24-26) (28-27) (28-29) (30-31)

PARAMETER (32-37)	SAMPLE MEASUREMENT	(3 Card Only) QUANTITY OR LOADING (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-66)	SAMPLE TYPE (69-70)			
		AVERAGE (46-53)	MINIMUM (39-45)	MAXIMUM (54-61)	MINIMUM (39-45)	AVERAGE (46-53)	MAXIMUM (54-61)				UNITS		
pH *	SAMPLE MEASUREMENT	*****	*****	*****	8.4	*****	8.8	0	04/30	GRAB			
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	6.6	MINIMUM	8.8		Weekly	GRAB			
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	0.04490	0.05430		*****	*****	*****		Daily	ESTIMA TO			
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. MO AVG	Req. Mon. DAILY MX		*****	*****	*****		Daily	ESTIMA			
Chlorine, total residual	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	0	0	04/30	GRAB			
50060 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	0.011 INST MAX		Weekly	GRAB			
E. Coli **	SAMPLE MEASUREMENT	*****	*****	*****	*****	*****	SEE COMMENTS BELOW		00/30	GRAB			
51040 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	548 MOAV GEO	0	Weekly	GRAB			
	SAMPLE MEASUREMENT						2507 DAILY MX		Weekly	GRAB			
	PERMIT REQUIREMENT												
	SAMPLE MEASUREMENT												
	PERMIT REQUIREMENT												
	SAMPLE MEASUREMENT												
	PERMIT REQUIREMENT												
	SAMPLE MEASUREMENT												
	PERMIT REQUIREMENT												
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT							TELEPHONE		DATE		
ANTHONY R. GRIEGGS ENV-RCRA									505 665-0451				
TYPED OR PRINTED									AREA CODE	NUMBER	YEAR	MO	DAY

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
PERMIT EFFECTIVE DATE: AUGUST 1, 2007. *6.6-8.8 SU EFFECTIVE AS OF JANUARY 31, 2008. **EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS APPLY TO E COLI ONLY WHEN SWSWS EFFLUENT DISCHARGED AND 6 MONTHS FROM EFFECTIVE DATE OF PERMIT. SWSWS EFFLUENT DID NOT DISCHARGE THROUGH OUTFALL. TOTALIZED FLOW ESTIMATE

DMR MAILING ZIP CODE: 87545 MAJOR

PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)
NAME
LOS ALAMOS NATIONAL LABORATORY
PO BOX 1663; MAIL STOP K490
LOS ALAMOS, NM 87545

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(2-19)

NM0028355
PERMIT NUMBER

048A
DISCHARGE NUMBER

COOLING TOWER BLOWDOWN & OTHER WASTEWATER
External Outfall

Check here if No Discharge Page 5

NOTE: Read instructions before completing this form

PARAMETER (32-37)	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUANTITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-66)	SAMPLE TYPE (68-70)	
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
pH	*****	*****	*****	8.2	*****	*****	0	04/30	GRAB	
00400 1 0 Effluent Gross	*****	*****	*****	6.0	*****	*****	0	Weekly	GRAB	
Arsenic, Total (As As) *	*****	*****	*****	*****	0.000	*****	0	01/30	GRAB	
01002 1 0 Effluent Gross	*****	*****	*****	*****	0.01 MO AVG	0.014 DAILY MX	0	Monthly	GRAB	
Copper, total (as Cu) *	*****	*****	*****	*****	0.000	0.000	0	01/30	GRAB	
01042 1 0 Effluent Gross	*****	*****	*****	*****	0.021 MO AVG	0.031 DAILY MX	0	Monthly	GRAB	
Flow, in conduit or thru treatment plant	0.01174	0.03040	Mgal/d	*****	*****	*****	0	Daily	ESTIMA TO	
50050 1 0 Effluent Gross	*****	*****	*****	*****	*****	*****	0	Daily	ESTIMA	
Chlorine, total residual	*****	*****	*****	*****	0	*****	0	04/30	GRAB	
50060 1 0 Effluent Gross	*****	*****	*****	*****	0.011 INST MAX	*****	0	Weekly	GRAB	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER				SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				TELEPHONE		
ANTHONY R. GRIEGGS				[Signature]				505 665-0451		
ENV-RCRA										
TYPED OR PRINTED										
COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)										
PERMIT EFFECTIVE DATE: AUGUST 1, 2007. *AS AND CU-REPORT ONLY EFFECTIVE THROUGH JULY 31, 2010. TOTALIZED FLOW ESTIMATE										
Note: As(T) result < MQL of 0.01 mg/L & MON AVG of 0.01 mg/L. Cu(T) result < MQL of 0.01 mg/L and < MON AVG of 0.021 mg/L.										
Note: Extreme low temperatures and icy road conditions shut down sampling activities (for safety reasons) during the week of Monday January 31 - Friday, February 4, 2011. Additional field parameters for pH and TRC were collected the following week.										

PERMIT EFFECTIVE DATE: AUGUST 1, 2007. *AS AND CU-REPORT ONLY EFFECTIVE THROUGH JULY 31, 2010. TOTALIZED FLOW ESTIMATE

Note: As(T) result < MQL of 0.01 mg/L & MON AVG of 0.01 mg/L. Cu(T) result < MQL of 0.01 mg/L and < MON AVG of 0.021 mg/L.

Note: Extreme low temperatures and icy road conditions shut down sampling activities (for safety reasons) during the week of Monday January 31 - Friday, February 4, 2011. Additional field parameters for pH and TRC were collected the following week.

PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)
LANS, LLC.
LOS ALAMOS NATIONAL LABORATORY
PO BOX 1663; MAIL STOP K490
LOS ALAMOS, NM 87545

FACILITY LOCATION
LANS, LLC.
LOS ALAMOS, NM 87545
ATTN: ANTHONY R. GRIEGGS ENV-RCRA

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(17-19)
051A
DISCHARGE NUMBER

PERMIT NUMBER
NIM0028355

MONITORING PERIOD
YEAR MO DAY YEAR MO DAY
FROM 11 02 01 TO 11 02 28
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

TREATED RADIOACTIVE LIQUID WASTE TO
External Outfall

Check here if No Discharge
NOTE: Read Instructions before completing this form

PARAMETER (32-37)	(3 Card Only) QUANTITY OR LOADING (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)		
	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (54-61)				UNITS	
Oxygen demand, chem. (high level) (COD)	*****	*****	*****	*****	*****	*****	0	00/30	GRAB		
00340 1 0 Effluent Gross	*****	*****	*****	*****	125 MO AVG	DAILY MX mg/L	0	Monthly	GRAB		
pH	*****	*****	*****	*****	*****	(12)	0	00/30	GRAB		
00400 1 0 Effluent Gross	*****	*****	*****	6.0 MINIMUM	*****	9.0 MAXIMUM SU	0	Weekly	GRAB		
Solids, total suspended	*****	*****	*****	*****	*****	*****	0	00/30	GRAB		
00530 1 0 Effluent Gross	*****	*****	*****	*****	30 MO AVG	45 DAILY MX mg/L	0	Monthly	GRAB		
Copper, total (as Cu) *	*****	*****	*****	*****	*****	*****	0	00/30	GRAB		
01042 1 0 Effluent Gross	*****	*****	*****	*****	0.14 MO AVG	0.2 DAILY MX ug/L	0	Monthly	GRAB		
Zinc, Total (As Zn) *	*****	*****	*****	*****	*****	*****	0	00/30	GRAB		
01092 1 0 Effluent Gross	*****	*****	*****	*****	2.2 MO AVG	3.3 DAILY MX ug/L	0	Monthly	GRAB		
Flow, in conduit or thru treatment plant	*****	*****	Mgal/d	*****	*****	*****	0	99/99	RCORDR		
50050 1 0 Effluent Gross	*****	*****	*****	*****	*****	*****	0	Continuous	RCORDR		
Chlorine, total residual	*****	*****	*****	*****	*****	*****	0	00/30	GRAB		
50060 1 0 Effluent Gross	*****	*****	*****	*****	*****	0.011 INST MAX mg/L	0	Weekly	GRAB		
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER							TELEPHONE				
ANTHONY R. GRIEGGS							505 665-0451				
ENV-RCRA							AREA CODE				
TYPED OR PRINTED							SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				
									DATE		

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
PERMIT EFFECTIVE DATE: AUGUST 1, 2007. *CU AND ZN-REPORT ONLY THROUGH JULY 31, 2010. THE LIMITS AND MONITORING FOR TOTAL TOXIC ORGANICS DO NOT INCLUDE 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), PESTICIDES, OR POLYCHLORINATED BIPHENYLS.NO DISCHARGE DURING MONITORING PERIOD.

PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)
LANS, LLC.
LOS ALAMOS NATIONAL LABORATORY
PO BOX 1663; MAIL STOP K490
LOS ALAMOS, NM 87545

NM0028355
PERMIT NUMBER

051A
DISCHARGE NUMBER

TREATED RADIOACTIVE LIQUID WASTE TO
External Outfall

MONITORING PERIOD
YEAR MO DAY YEAR MO DAY
FROM 11 02 01 TO 11 02 28
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

FACILITY LOCATION
LANS, LLC.
LOS ALAMOS, NM 87545
ATTN: ANTHONY R. GRIEGGS ENV-RCRA

Check here if No Discharge
NOTE: Read instructions before completing this form

PARAMETER (32-37)	(3 Card Only) QUANTITY OR LOADING (54-61)			(4 Card Only) QUANTITY OR CONCENTRATION (64-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	AVERAGE (48-53)	MAXIMUM (54-61)	UNITS	MINIMUM (58-65)	AVERAGE (48-53)	MAXIMUM (64-61)			
Organics, total toxic (TTO)	*****	*****	*****	*****	0	(19)	0	00/30	GRAB
78141 1 0	*****	*****	*****	*****	1	mg/L	0	Monthly	GRAB
Effluent Gross	*****	*****	*****	*****	MO AVG	DAILY MX			
SAMPLE MEASUREMENT									
PERMIT REQUIREMENT									
SAMPLE MEASUREMENT									
PERMIT REQUIREMENT									
SAMPLE MEASUREMENT									
PERMIT REQUIREMENT									
SAMPLE MEASUREMENT									
PERMIT REQUIREMENT									
SAMPLE MEASUREMENT									
PERMIT REQUIREMENT									
SAMPLE MEASUREMENT									
PERMIT REQUIREMENT									
SAMPLE MEASUREMENT									
PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
ANTHONY R. GRIEGGS
ENV-RCRA

TYPED OR PRINTED

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE DATE

505 665-0451

AREA CODE NUMBER YEAR MO DAY

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

PERMIT EFFECTIVE DATE: AUGUST 1, 2007. *CU AND ZN-REPORT ONLY THROUGH JULY 31, 2010. THE LIMITS AND MONITORING FOR TOTAL TOXIC ORGANICS DO NOT INCLUDE 2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN(TCDD), PESTICIDES, OR POLYCHLORINATED BIPHENYLS.NO DISCHARGE DURING MONITORING PERIOD.

DMR MAILING ZIP CODE: 87545
MAJOR

TREATED WASTEWATER
External Outfall

Page 7

Check here if No Discharge

NOTE: Read Instructions before completing this form

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

055A
DISCHARGE NUMBER

NM0028355
PERMIT NUMBER

MONITORING PERIOD
YEAR MO DAY YEAR MO DAY
FROM 11 02 01 TO 11 02 28
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

PERMITTEE NAME/ADDRESS (include Facility Name, Location if Different)
LANI, LLC.
LOS ALAMOS NATIONAL LABORATORY
PO BOX 1663; MAIL STOP K490
LOS ALAMOS, NM 87545

FACILITY LOCATION
LANI, LLC.
LOS ALAMOS, NM 87545
ATTN: ANTHONY R. GRIEGGS ENV-RCRA

Table with columns: PARAMETER (32-37), QUANTITY OR LOADING (54-61), QUANTITY OR CONCENTRATION (54-61), NO. EX ANALYSIS (64-68), FREQUENCY OF ANALYSIS (64-68), SAMPLE TYPE (69-70). Rows include pH, Effluent Gross, Flow, in conduit or thru treatment plant, Effluent Gross, RDX, total, and Effluent Gross.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
ANTHONY R. GRIEGGS
ENV-RCRA

TELEPHONE
505 665-0451

AREA CODE NUMBER YEAR MO DAY
505 665-0451

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TYPED OR PRINTED

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
PERMIT EFFECTIVE DATE: AUGUST 1, 2007. TOTAL RDX - ONE SAMPLE SHOULD BE TAKEN BEFORE THE 15TH OF THE MONTH AND ANOTHER TAKEN AFTER THE 15TH OF THE MONTH. NO DISCHARGE DURING MONITORING PERIOD. TOTALIZED FLOW ESTIMATE

DMR MAILING ZIP CODE: 87545
MAJOR

PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)
LANS, LLC.
LOS ALAMOS NATIONAL LABORATORY
PO BOX 1663; MAIL STOP K490
LOS ALAMOS, NM 87545

FACILITY LOCATION
LANS, LLC.
LOS ALAMOS, NM 87545
ATTN: ANTHONY R. GRIEGGS ENV-RCRA

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(17-19)

PERMIT NUMBER: NM0028355
DISCHARGE NUMBER: 113A

MONITORING PERIOD
FROM: YEAR 11, MO 02, DAY 01 TO YEAR 11, MO 02, DAY 28
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

COOLING TOWER BLOWDOWN & OTHER WASTEWATER
External Outfall

Check here if No Discharge
NOTE: Read instructions before completing this form

PARAMETER (32-37)	(3 Card Only) QUANTITY OR LOADING (54-61)			(4 Card Only) QUANTITY OR CONCENTRATION (64-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (54-61)			
pH	*****	*****	*****	8.1	*****	*****	0	02/30	GRAB
00400 1 0 Effluent Gross	*****	*****	*****	6.0	*****	SU		Weekly	GRAB
Flow, in conduit or thru treatment plant	0.00030	0.00085	Mgal/d	*****	*****	*****		Daily	ESTIMA TO
50050 1 0 Effluent Gross	Req. Mon. MO AVG	Req. Mon. DAILY MX		*****	*****		0	02/30	GRAB
Chlorine, total residual	*****	*****	*****	*****	*****	mg/L		Weekly	GRAB
50060 1 0 Effluent Gross	*****	*****	*****	*****	0.011 INST MAX			Weekly	GRAB
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			TELEPHONE		DATE	
ANTHONY R. GRIEGGS						505 665-0451			
ENV-RCRA						AREA CODE		YEAR MO DAY	
TYPED OR PRINTED						NUMBER			

(VERIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED BY THE PERSON OR PERSONS DIRECTLY RESPONSIBLE FOR MANAGING THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR OBTAINING THE INFORMATION. THE INFORMATION SUBMITTED IS, TO THE BEST OF ANY KNOWLEDGE AND BELIEF, TRUE, ACCURATE, AND COMPLETE INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. 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.)

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
PERMIT EFFECTIVE DATE: AUGUST 1, 2007. TOTALIZED FLOW ESTIMATE Note: Extreme low temperatures and icy road conditions shut down sampling activities at this Outfall during the first 2 weeks of monitoring period due to frozen plugged pipe. Outfall was sampled on 2/14/11 and 2/23/11.

DMR MAILING ZIP CODE: 87545
MAJOR

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
LANS, LLC
LOS ALAMOS NATIONAL LABORATORY
PO BOX 1663; MAIL STOP K490
LOS ALAMOS, NM 87545

NM0028355
PERMIT NUMBER

129A
DISCHARGE NUMBER

BOILER BLOWDOWN, WATER SOFTENER W
External Outfall

MONITORING PERIOD

YEAR	MO	DAY	YEAR	MO	DAY
11	02	01	11	02	28

FROM (20-21) (22-23) (24-25) TO (26-27) (28-29) (30-31)

Check here if No Discharge
NOTE: Read Instructions before completing this form

PARAMETER (32-37)	(3 Card Only) (46-53)			(4 Card Only) (38-45)			(5 Card Only) (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS	MAXIMUM	UNITS			
pH	*****	*****	*****	*****	*****	*****	*****	*****	(12)	0	00/30	GRAB
00400 1 0 Effluent Gross	*****	*****	*****	6.0 MINIMUM	*****	*****	9.0 MAXIMUM	*****	SU	0	Weekly	GRAB
Copper, total (as Cu) *	*****	*****	*****	*****	*****	*****	*****	*****	*****	0	00/30	GRAB
01042 1 0 Effluent Gross	*****	*****	*****	*****	*****	*****	2.4 DAILY MX	*****	ug/L	0	Monthly	GRAB
Flow, in conduit or thru treatment plant	*****	*****	Mgal/d	*****	*****	*****	*****	*****	*****		Daily	ESTIMA TO
50050 1 0 Effluent Gross	*****	Req. Mon. DAILY MX	*****	*****	*****	*****	*****	*****	*****	0	Daily	ESTIMA
Chlorine, total residual	*****	*****	*****	*****	*****	*****	0.011 INST MAX	*****	mg/L	0	00/30	GRAB
50060 1 0 Effluent Gross	*****	*****	*****	*****	*****	*****	*****	*****	*****		Weekly	GRAB
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
ANTHONY R. GRIEGGS
ENV-RCRA

TYPED OR PRINTED

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

PERMIT EFFECTIVE DATE: AUGUST 1, 2007. *CU-REPORT ONLY EFFECTIVE THROUGH JULY 31, 2010. NO DISCHARGE DURING MONITORING PERIOD. TOTALIZED FLOW ESTIMATE

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
TELEPHONE
505 665-0451

AREA CODE NUMBER
505 665-0451

DATE

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

LANS, LLC.
LOS ALAMOS NATIONAL LABORATORY
PO BOX 1663; MAIL STOP K490
LOS ALAMOS, NM 87545

FACILITY LOCATION
ATTN: ANTHONY R. GRIEGGS ENV-RCRA

COOLING TOWER BLOWDOWN & OTHER WASTEWATER
External Outfall

Check here if No Discharge

NOTE: Read instructions before completing this form

Page 10

NM0028355 PERMIT NUMBER
130A DISCHARGE NUMBER

MONITORING PERIOD
FROM 11 02 01 TO 11 02 28
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

PARAMETER (32-37)	(3 Card Only) QUANTITY OR LOADING (54-61)			(4 Card Only) QUANTITY OR CONCENTRATION (54-61)			NO. EX. (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (54-61)			
pH	*****	*****	*****	*****	*****	*****	0	00/30	GRAB
00400 1 0 Effluent Gross	*****	*****	*****	6.0 MINIMUM	*****	9.0 MAXIMUM		Weekly	GRAB
Cyanide, total (as CN) *	*****	*****	*****	*****	*****	*****	0	00/30	GRAB
00720 1 0 Effluent Gross	*****	*****	*****	*****	3.5 MO AVG	5.2 DAILY MX		Monthly	GRAB
Copper, total (as Cu) *	*****	*****	*****	*****	*****	*****	0	00/30	GRAB
01042 1 0 Effluent Gross	*****	*****	*****	*****	0.025 MO AVG	0.037 DAILY MX		Monthly	GRAB
Flow, in conduit or thru treatment plant				*****	*****	*****		Daily	ESTIMA TO
50050 1 0 Effluent Gross	Req. Mon. MO AVG	Req. Mon. DAILY MX	Mgal/d	*****	*****	*****	0	Daily	ESTIMA
Chlorine, total residual	*****	*****	*****	*****	*****	*****		00/30	GRAB
50060 1 0 Effluent Gross	*****	*****	*****	*****	0.011 INST MAX	*****		Weekly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
ANTHONY R. GRIEGGS
ENV-RCRA
TYPED OR PRINTED

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
505 665-0451

DATE

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
PERMIT EFFECTIVE DATE: AUGUST 1, 2007. *CYANIDE AND CU-REPORT ONLY EFFECTIVE THROUGH JULY 31, 2010. NO DISCHARGE DURING MONITORING PERIOD. TOTALIZED FLOW ESTIMATE

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
LANS, LLC.
LOS ALAMOS NATIONAL LABORATORY
PO BOX 1663; MAIL STOP K490
LOS ALAMOS, NM 87545

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(17-19)

13SA
DISCHARGE NUMBER

MONITORING PERIOD

YEAR	MO	DAY	YEAR	MO	DAY
11	02	01	11	02	28

FACILITY LOCATION
LANS, LLC.
LOS ALAMOS, NM 87545
ATTN: ANTHONY R. GRIEGGS ENV-RCRA

TREATED SANITARY WASTEWATER TO SAN
External Outfall

Check here if No Discharge Page 11

NOTE: Read Instructions before completing this form

PARAMETER (32-37)	(3 Card Only) QUANTITY OR LOADING (54-61)		(4 Card Only) QUALITY OR CONCENTRATION (54-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
	AVERAGE (49-53)	MAXIMUM (54-61)	MINIMUM (58-65)	AVERAGE (49-53)	MAXIMUM (54-61)			
BOD, 5-Day, 20 Deg. C	<2	<2	*****	<1	<1	0	01/30	COMP24
00310 1 0 Effluent Gross	75 MO AVG	112 DAILY MX	*****	30 MO AVG	45 DAILY MX		Monthly	COMP24
pH	*****	*****	7.2	*****	7.6	0	04/30	GRAB
00400 1 0 Effluent Gross	*****	*****	6.0 MINIMUM	*****	9.0 MAXIMUM		Weekly	GRAB
Solids, total suspended	8	8	*****	4	4	0	01/30	COMP24
00530 1 0 Effluent Gross	75 MO AVG	112 DAILY MX	*****	30 MO AVG	45 DAILY MX		Monthly	COMP24
Flow, in conduit or thru treatment plant*	0.28846	0.35000	*****	*****	*****		99/99	RCOTOT
50050 1 0 Effluent Gross	Req. Mon. MO AVG	Req. Mon. DAILY MX	*****	*****	*****	0	00/30	GRAB
Chlorine, total residual **	*****	*****	*****	*****	*****		Weekly	GRAB
50060 1 0 Effluent Gross	*****	*****	*****	*****	*****	0	00/30	GRAB
E. Coli **	*****	*****	*****	*****	*****		00/30	GRAB
51040 1 0 Effluent Gross	*****	*****	*****	548 MOAV GEO	2507 DAILY MX		Monthly	GRAB
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			TELEPHONE		DATE	
ANTHONY R. GRIEGGS ENV-RCRA					505 665-0451			
TYPED OR PRINTED		AREA CODE			NUMBER		YEAR MO DAY	

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHER AND EVALUATE THE INFORMATION SUBMITTED. I AM RESPONSIBLE FOR ENSURING THAT THE INFORMATION SUBMITTED ON THIS REPORT IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 19 C.F.R. 101.10 (a) and (b) for further details. These statistics may include treat up to \$10,000 and/or 6 months imprisonment (6 months and 6 years).

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

PERMIT EFFECTIVE DATE: AUGUST 1, 2007. *AVERAGE DISCHARGE RATE < 0.318. **TOTAL RESIDUAL CHLORINE AND E. COLI EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS ONLY APPLY WHEN DISCHARGE IS MADE TO CANADA DEL BUEY; E. COLI EFFLUENT LIMITATIONS EFFECTIVE THROUGH JANUARY 31, 2008. OUTFALL DID NOT DISCHARGE TO CANADA DEL BUEY.

PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)
 LANS, LLC.
 LOS ALAMOS NATIONAL LABORATORY
 PO BOX 1663; MAIL STOP K490
 LOS ALAMOS, NM 87545

FACILITY LOCATION
 LANS, LLC.
 LOS ALAMOS, NM 87545
 ATTN: ANTHONY R. GRIEGGS ENV-RCRA

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
 (2-19)
 NM0028355
 PERMIT NUMBER

160A
 DISCHARGE NUMBER

MONITORING PERIOD
 FROM YEAR MO DAY TO YEAR MO DAY
 11 02 01 TO 11 02 28
 (20-21) (22-23) (24-26) (26-27) (28-29) (30-31)

COOLING TOWER BLOWDOWN & OTHER WASTEWATER
 External Outfall

Check here if No Discharge Page 12
 NOTE: Read Instructions before completing this form

PARAMETER (32-37)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING (3 Card Only) (46-53)			QUALITY OR CONCENTRATION (4 Card Only) (54-61)			UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-66)	SAMPLE TYPE (69-70)
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				
pH	SAMPLE MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	(12)	0	00/30	GRAB
00400 1 0 Effluent Gross	SAMPLE MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	6.0 MINIMUM	*****	*****	SU		Weekly	GRAB
Copper, total (as Cu) *	SAMPLE MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****		0	00/30	GRAB
01042 1 0 Effluent Gross	SAMPLE MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	0.022 MO AVG	0.032 DAILY MX	mg/L		Monthly	GRAB
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****		Daily	ESTIMA TO
50050 1 0 Effluent Gross	SAMPLE MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****		Daily	ESTIMA
Chlorine, total residual	SAMPLE MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	0	00/30	GRAB
50060 1 0 Effluent Gross	SAMPLE MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	*****	0.011 INST MAX	mg/L		Weekly	GRAB
	SAMPLE MEASUREMENT PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT PERMIT REQUIREMENT										

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT ALL DATA REPORTED ON THIS REPORT ARE TRUE, ACCURATE, AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING FINE AND IMPRISONMENT FOR DISCHARGING POLLUTANTS UNDER 19 USC § 101 AND 30 USC § 1318. (The maximum fine and imprisonment for each violation may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 ANTHONY R. GRIEGGS
 ENV-RCRA

TYPED OR PRINTED

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
 505 665-0451

DATE

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 PERMIT EFFECTIVE DATE: AUGUST 1, 2007. *CU-REPORT ONLY EFFECTIVE THROUGH JULY 31, 2010. NO DISCHARGE DURING MONITORING PERIOD. TOTALIZED FLOW ESTIMATE

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

LANS, LLC.
 LOS ALAMOS NATIONAL LABORATORY
 PO BOX 1663; MAIL STOP K490
 LOS ALAMOS, NM 87545

FACILITY LOCATION
 LANS, LLC.
 LOS ALAMOS, NM 87545
 ATTN: ANTHONY R. GRIEGGS ENV-RCRA

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)
 (2-18) (17-19)

181A
 DISCHARGE NUMBER

NM0028355
 PERMIT NUMBER

MONITORING PERIOD

YEAR	MO	DAY	YEAR	MO	DAY
11	02	01	11	02	28

FROM (20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

COOLING TOWER BLOWDOWN & OTHER WASTEWATER
 External Outfall

Check here if No Discharge Page 13
 NOTE: Read instructions before completing this form

PARAMETER (32-37)	SAMPLE MEASUREMENT	QUANTITY OR LOADING (54-61)			QUALITY OR CONCENTRATION (64-61)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
		AVERAGE (46-53)	MAXIMUM (54-61)	UNITS (46-53)	MINIMUM (38-45)	AVERAGE (46-53)	MAXIMUM (64-61)			
pH	SAMPLE MEASUREMENT	*****			8.6		*****	0	04/30	GRAB
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	6.0 MINIMUM	*****	*****		Weekly	GRAB
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	0.00554	0.01104						Daily	ESTIMA TO
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. MO AVG	Req. Mon. DAILY MX	Mgal/d	*****	*****	*****		Daily	ESTIMA
Chlorine, total residual	SAMPLE MEASUREMENT	*****	*****	*****				0	04/30	GRAB
50060 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****				0.011 INST MAX	Weekly	GRAB
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									
	SAMPLE MEASUREMENT									
	PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 ANTHONY R. GRIEGGS
 ENV-RCRA

TYPED OR PRINTED

IDENTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED BY THE PERSONNEL OF THE PERMITTEE OR AN AUTHORIZED REPRESENTATIVE OF THE PERMITTEE AND THAT QUALIFIED PERSONNEL PROPERLY OBTAINED AND EVALUATED THE INFORMATION SUBMITTED BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION. THE INFORMATION FURNISHED HEREON IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. I AM AWARE THAT THERE ARE SEVERAL PENALTIES FOR SUBMITTING FALSE INFORMATION INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1318. (Penalties under these statutes may include fines up to \$10,000 and or maximum imprisonment of between 6 months and 5 years.)

DATE

TELEPHONE
 505 665-0451

NUMBER

AREA CODE

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
 PERMIT EFFECTIVE DATE: AUGUST 1, 2007. TOTALIZED FLOW ESTIMATE Note: Extreme low temperatures and icy road conditions shut down sampling activities (for safety reasons) during the week of Monday, January 31 - Friday February 4, 2011. Additional field parameters for pH and IRC were collected the following week

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
NAME LANS, LLC.
ADDRESS LOS ALAMOS NATIONAL LABORATORY
PO BOX 1663; MAIL STOP K490
LOS ALAMOS, NM 87545

FACILITY LOCATION
LANS, LLC.
LOS ALAMOS, NM 87545
ATTN: ANTHONY R. GRIEGGS ENV-RCRA

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)
(17-19)
199A
DISCHARGE NUMBER

MONITORING PERIOD
YEAR MO DAY YEAR MO DAY
FROM 11 02 01 TO 11 02 28
(20-21) (22-23) (24-25) (26-27) (28-29) (30-31)

PERMIT NUMBER
NM0028355

Page 15
Check here if No Discharge

NOTE: Read Instructions before completing this form

PARAMETER (32-37)	(3 Card Only) QUANTITY OR LOADING (54-61)			(4 Card Only) QUALITY OR CONCENTRATION (46-53)			NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-66)	SAMPLE TYPE (68-70)
	AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	MINIMUM (39-45)	AVERAGE (46-53)	MAXIMUM (54-61)			
pH *	*****	*****	*****	8.1	*****	*****	0	04/30	GRAB
00400 1 0 Effluent Gross	*****	*****	*****	6.6	MINIMUM *****	MAXIMUM 8.8		Weekly	GRAB
Flow, in conduit or thru treatment plant	0.02807	0.03340	Mgal/d	*****	*****	*****		Daily	ESTIMA TO
50050 1 0 Effluent Gross	Req. Mon. MO AVG	Req. Mon. DAILY MX		*****	*****	*****		Daily	ESTIMA
Chlorine, total residual	*****	*****	*****	*****	*****	0	0	04/30	GRAB
50060 1 0 Effluent Gross	*****	*****	*****	*****	*****	0.011 INST MAX		Weekly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
ANTHONY R. GRIEGGS
ENV-RCRA

TYPED OR PRINTED

COMMENTS AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here)
PERMIT EFFECTIVE DATE: AUGUST 1, 2007. *6.8-8.8 SU EFFECTIVE AS OF JANUARY 31, 2008. TOTALIZED FLOW ESTIMATE

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE
505 665-0451

DATE

AREA CODE NUMBER YEAR MO DAY