

120 E. Fifth Ave., Bldg. 860 P. O. Box 5000 Upton, NY 11973-5000 Phone 631 344-4549 Fax 631 344-7334 goode@bnl.gov

Managed by Brookhaven Science Associates for the U.S. Department of Energy

February 22, 2006

New York State Department of Environmental Conservation Division of Water Bureau of Wastewater Facilities Operation 625 Broadway, 4<sup>th</sup> Floor Albany, NY 12233-3506

Gentlemen:

SUBJECT: State Pollutant Discharge Elimination System (SPDES) NY-0005835

**Brookhaven National Laboratory (BNL) Discharge Monitoring Report (DMR)** 

for January 2006

In accordance with our SPDES permit (NY-0005835), enclosed as Attachment I, please find the DMR for the month of January 2006. General Engineering Laboratories, LLC (ELAP Certification #11501) performs most of the analyses on SPDES samples, while H2M Labs, Inc. (NELAP Certification #10478) performs the BOD-5, Nitrogen series, and fecal coliform analyses and CHEMTEX Environmental Laboratory, Inc. (NELAP Certification #02077) performs specialty analyses for tolytriazole, hydroxyethilydene diphosphonic acid, and polypropylene glycol monobutyl ether. These laboratories are certified by the New York State Department of Health. Field measured parameters (pH, settleable solids, flow) are recorded and/or measured by BNL. Copies of the analytical reports will be retained in our files and will be made available upon request.

With the exception of one noncompliance due to an unreported oil & grease sample result collected at Outfall 002B (1002/1004), review of the analytical data shows that all other parameters met their respective SPDES effluent limitations this reporting period. An error made by General Engineering Laboratories, LLC (GEL) during the oil & grease analysis could not be corrected since the original sample provided by BNL was consumed. This error prevented GEL from being able to report a result for oil & grease for Outfall 002B. Please see Attachment II for the noncompliance report, which provides more detail on the issue.

Collection and analysis of these samples are performed in accordance with the BNL Quality Assurance (QA) program that specifies the standard operating procedures for collection and analysis of samples, QA data requirements, validation of contractor analytical data, and QA inspections performed periodically on contractor laboratories. All QA data, data validation reports, contractor laboratory assessment and audit reports are available upon request.



Based on this information, we believe the values reported on the DMR are representative of the effluent from BNL during the month of January 2006.

If you should have any questions, please contact Jason Remien or Robert Lee of my staff at (631) 344-3477 and (631) 344-3148 respectively.

Sincerely,

## Original signed by G. Goode

George A. Goode Environmental & Waste Management Services Division Manager

GAG/JR: car

Attachment I: Discharge Monitoring Report for December 2005.

Attachment II: Noncompliance Report for Unreportable Oil & Grease Sample from Outfall

002B

Attachment III: Analytical Results from H2M Labs Inc. and General Engineering Laboratories,

LLC for samples collected on 1/4/06 and 1/9/06 from Outfall 001 (BNL Use

Only).

Attachment IV: Analytical Results from General Engineering Laboratories for samples

collected from Outfalls 002, 005, 006A, 006B, 008, and 010 (BNL Use

Only).

cc: M. Bebon, w/o Attachments

S. Dierker, w/ all Attachments

G. Granzen, w/ all Attachments

C. Johnson, w/o Attachments

E. Lessard, w/ all Attachments

E. Murphy, w/ all Attachments

J. Remien, w/ all Attachments

R. Sorrentino, NYSDEC, w/ Attachment I

J. Tarpinian, w/o Attachments

J. Zamirowski, TAS, CH, w/ Attachment I

W. Chaloupka, w/ all Attachments

G. Goode, w/o Attachments

M. Holland, w/o Attachments

R. Lee, w/ all Attachments

D. Lowenstein, w/o Attachments

V. Radeka, w/ all Attachments

A. Santino, SCDHS, w/ Attachment I

B. Style, w/o Attachments

D. Van Duyne, w/ all Attachments

File: EC62ER.06

## Brookhaven National Laboratory SPDES Permit No. NY0005835 Discharge Monitoring Report for January 2006 Discharge Monitoring Report Notes:

- 1. The reported concentration is estimated at less than the method detection limit but greater than the instrument detection limit.
- 2. Flow is estimated based upon an instantaneous flow measurement and the assumption that flow continued for the entire day (i.e., 1,440 minutes).
- 3. Since flow records are maintained on a weekly or monthly basis, the flow rate provided is the daily average.
- 4. An incident that occurred at General Engineering Laboratories, LLC rendered the oil & grease sample submitted by BNL unreportable. Please see Attachment II for the Non-Compliance Report.

# ATTACHMENT I BROOKHAVEN NATIONAL LABORATORY SPDES PERMIT NO. NY0005835 DISCHARGE MONITORING REPORT FOR JANUARY 2006

FOR OUTFALLS NO. 001 – 010

NAME USDOE

ADDRESS BROOKHAVEN NATIONAL LABORATORY

**BROOKHAVEN AREA OFFICE** 

UPTON NY 11973

FACILITY BROOKHAVEN NATIONAL LABORATORY

LOCATION UPTON NY 11973
ATTN: MICHAEL HOLLAND, GROUP MGR

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

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 Note: Read Instructions before completing this form

PARAMETER			QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF		
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS		
TEMPERATURE, WATER DEG. FAHRENHEIT	SAMPLE MEASUREMENT	*****	*****		*****	*****	54	(15)	0	01/01	GR	
00011 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	90 DAILY MX	DEG.F		DAILY	GRAB	
BOD, 5-DAY (20 DEG. C)	SAMPLE MEASUREMENT	*****	*****		*****	<2	<2	(19)	0	02/30	24	
00310 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	**** ***	*****	10 DAILY AV	20 DAILY MX	MG/L		ONCE/MONTH	COMP24	
PH	SAMPLE MEASUREMENT	*****	*****		6.1	*****	6.7	(12)	0	01/01	GR	
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	5.8 MINIMUM	*****	9.0 MAXIMUM	SU		DAILY	GRAB	
SOLIDS, TOTAL SUSPENDED	SAMPLE MEASUREMENT	*****	*****		*****	<2.1	<2.9	(19)	0	02/30	24	
00530 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	10 DAILY AV	20 DAILY MX	MG/L		ONCE/MONTH	COMP24	
SOLIDS, SETTLEABLE	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.0	(25)	0	01/01	GR	
00545 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.1 DAILY MX	ML/L		DAILY	GRAB	
NITROGEN, TOTAL (AS N)	SAMPLE MEASUREMENT	*****	*****		*****	*****	8.4	(19)	0	02/30	24	
00600 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	10 DAILY MX	MG/L		ONCE/MONTH	COMP24	
NITROGEN, AMMONIA TOTAL (AS N)	SAMPLE MEASUREMENT	*****	*****		*****	*****	1.7	(19)	0	02/30	24	
00610 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	2 DAILY MX	MG/L		ONCE/MONTH	COMP24	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I certify und	er penalty of law that	at this document an	d all attachments we	ere prepared under	my direction					-
George A. Goode	· ·		, ,	ed to assure that qua							hone	
Division Manager Environmental & Waste Man	and evaluate the information submitted. Based on my inquiry of the person or persons who manage the									631-34	4-4549	
Services Division	system, or those persons directly responsible for gathering the information, the information submitted is, to the						Signature of Principal Executive			Date 9	Signed	
Typed or Printed	best of my knowledge and belief, 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.						Officer or Authorized Agent			Date		
Types of Times of Supervision ("Office of Supervision												

Comments and Explanation of any violations (Reference all attachments here)

QUANTITIES OR CONCENTRATIONS OF RADIOACTIVITY IN EFFLUENT ARE SUBJECT TO REQUIREMENTS OF THE USDOE INCL BUT NOT LIMITED TO USDOE ORDER 5400.5.

APPROX 15% OF STP DISCHARGE CAN BE TO GW VIA EXFILT FROM SFB'S. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS AND REQUIREMENTS

NAME USDOE

ADDRESS BROOKHAVEN NATIONAL LABORATORY

**BROOKHAVEN AREA OFFICE** 

UPTON NY 11973

FACILITY BROOKHAVEN NATIONAL LABORATORY

LOCATION UPTON NY 11973 ATTN: MICHAEL HOLLAND, GROUP MGR NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

Note: Read Instructions before completing this form

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION			TION	NO. EX	FREQUENCY OF	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS		
PHOSPHORUS, TOTAL (AS P)	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.99	(19)	0	02/30	24	
00665 1 0 0	PERMIT			****			REPORT					
EFFLUENT GROSS VALUE	REQUIREMENT	*****	*****	****		*****	DAILY MX	MG/L		ONCE/MONTH	COMP24	
							DAILT WIX					
CYANIDE, TOTAL	SAMPLE	*****	*****		*****	*****	<2.5	(28)	0	02/30	GR	
(AS CN)	MEASUREMENT			****			400					
00720 1 0 0	PERMIT	*****	*****	****		*****	100			TWICE/MONTH	GRAB	
EFFLUENT GROSS VALUE	REQUIREMENT			****			DAILY MX	UG/L				
COPPER, TOTAL	SAMPLE	*****	*****		*****	*****	0.037	(19)	0	02/30	24	
(AS CU)	MEASUREMENT											
01042 1 0 0	PERMIT	*****	*****	****		*****	0.15			ONCE/MONTH	COMP24	
EFFLUENT GROSS VALUE	REQUIREMENT			****			DAILY MX	MG/L				
IRON, TOTAL	SAMPLE	*****	*****		*****	*****	0.21	(19)	0	02/30	24	
(AS FE)	MEASUREMENT											
01045 1 0 0	PERMIT	*****	*****	****	*****	*****	0.37			ONCE/MONTH	COMP24	
EFFLUENT GROSS VALUE	REQUIREMENT			****			DAILY MX	MG/L		0110_/111011111		
LEAD, TOTAL	SAMPLE	*****	*****		*****	*****	0.0017	(19)	0	02/30	24	
(AS PB) See Note #1	MEASUREMENT						0.0011			02,00		
01051 1 0 0	PERMIT	*****	*****	****	*****	*****	0.019			ONCE/MONTH	COMP24	
EFFLUENT GROSS VALUE	REQUIREMENT			****			DAILY MX	MG/L		ONO Z/MIOIVIII	00III 24	
NICKEL, TOTAL	SAMPLE	*****	*****		*****	*****	0.01	(19)	0	02/30	24	
(AS NI) See Note #1	<b>MEASUREMENT</b>						0.01			02/00	27	
01067 1 0 0	PERMIT	*****	*****	****	*****	*****	0.11			ONCE/MONTH	COMP24	
EFFLUENT GROSS VALUE	REQUIREMENT			****			DAILY MX	MG/L		ONCE/MONTH	COMIT 24	
SILVER, TOTAL	SAMPLE	*****	*****		*****	*****	0.0023	(19)	0	02/30	24	
(AS AG) See Note #1	<b>MEASUREMENT</b>						0.0023		U	02/30	24	
01077 1 0 0	PERMIT	*****	*****	****	*****	*****	0.015			ONCE/MONTH	COMP24	
EFFLUENT GROSS VALUE	REQUIREMENT			****			DAILY MX	MG/L		ONCE/MONTH	COIVIP24	
NAME/TITLE PRINCIPAL EXECU	I certify und	er penalty of law the	at this document an	d all attachments w	ere prepared under	my direction					•	
George A. Goode	or supervision	n in accordance wi	th a system designe	ed to assure that qu	alified personnel pro	operly gather				Telep	hone	
Division Manager	and evaluate	the information sub	omitted. Based on r	my inquiry of the pe	rson or persons who	o manage the				631-34	4-4549	
Environmental & Waste Man	system, or those persons directly responsible for gathering the information, the information submitted is, to the											
Services Division	best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties						Signature of Principal Executive			Date S	Signed	
Typed or Printed	for submitting	false information,	including the possib	liity of fine and impr	isonment for knowi	ng violations.	Office	er or Authori	zed Agent			

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Comments and Explanation of any violations (Reference all attachments here)

QUANTITIES OR CONCENTRATIONS OF RADIOACTIVITY IN EFFLUENT ARE SUBJECT TO REQUIREMENTS OF THE USDOE INCL BUT NOT LIMITED TO USDOE ORDER 5400.5.

APPROX 15% OF STP DISCHARGE CAN BE TO GW VIA EXFILT FROM SFB'S. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS AND REQUIREMENTS

NAME USDOE

ADDRESS BROOKHAVEN NATIONAL LABORATORY

**BROOKHAVEN AREA OFFICE** 

UPTON NY 11973

FACILITY BROOKHAVEN NATIONAL LABORATORY

LOCATION UPTON NY 11973
ATTN: MICHAEL HOLLAND, GROUP MGR

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

06 01 01 06 01 31 Note: Read Instructions before completing this form FREQUENCY **SAMPLE** NO. **QUALITY OR CONCENTRATION QUANTITY OR LOADING** PARAMETER ΕX OF **TYPE** AVERAGE MAXIMUM UNITS MINIMUM AVERAGE MAXIMUM UNITS **ANALYSIS** ZINC. TOTAL SAMPLE (19) \*\*\*\*\* \*\*\*\*\* \*\*\*\*\* \*\*\*\*\* 0.08 0 02/30 24 (AS ZN) MEASUREMENT 01092 1 0 0 **PERMIT** \*\*\*\* 0.1 \*\*\*\*\* \*\*\*\*\* \*\*\*\*\* \*\*\*\*\* ONCE/MONTH COMP24 **EFFLUENT GROSS VALUE** REQUIREMENT \*\*\*\* **DAILY MX** MG/L TOLUENE **SAMPLE** (28)\*\*\*\*\* \*\*\*\*\* \*\*\*\*\* \*\*\*\*\* 0 02/30 GR <1 MEASUREMENT 34010 1 0 0 **PERMIT** \*\*\*\* 5 \*\*\*\*\* \*\*\*\*\* \*\*\*\*\* \*\*\*\*\* TWICE/MONTH **GRAB** \*\*\*\* **EFFLUENT GROSS VALUE** REQUIREMENT **DAILY MX** UG/L METHYLENE CHLORIDE SAMPLE (28) \*\*\*\*\* \*\*\*\*\* \*\*\*\*\* \*\*\*\*\* <2 0 02/30 GR MEASUREMENT 34423 1 0 0 **PERMIT** \*\*\*\* 5 \*\*\*\*\* \*\*\*\*\* \*\*\*\*\* \*\*\*\*\* TWICE/MONTH **GRAB** \*\*\*\* **EFFLUENT GROSS VALUE** REQUIREMENT **DAILY MX** UG/L 1.1.1-TRICHLORO-SAMPLE (28)\*\*\*\*\* \*\*\*\*\* \*\*\*\*\* \*\*\*\*\* <1 0 02/30 GR ETHANE MEASUREMENT 34506 1 0 0 **PERMIT** \*\*\*\* 5 \*\*\*\*\* \*\*\*\*\* \*\*\*\*\* \*\*\*\*\* TWICE/MONTH **GRAB** \*\*\*\* **DAILY MX EFFLUENT GROSS VALUE** REQUIREMENT UG/L FLOW. IN CONDUIT OR SAMPLE (03)\*\*\*\*\* 0.35 0 99/99 0.49 RC THRU TREATMENT PLANT MEASUREMENT REPORT 50050 1 0 0 PERMIT 2.3 \*\*\*\* \*\*\*\*\* \*\*\*\*\* \*\*\*\*\* **RCORDR** CONTINUOUS **EFFLUENT GROSS VALUE** REQUIREMENT **DAILY AV DAILY MX** MGD \*\*\*\* MERCURY, TOTAL **SAMPLE** (19)\*\*\*\*\* +++++ \*\*\*\*\* \*\*\*\*\* 0.00007 0 02/30 24 (AS HG) See Note #1 **MEASUREMENT** \*\*\*\* 71900 1 0 0 **PERMIT** 0.0008 \*\*\*\*\* \*\*\*\*\* \*\*\*\*\* \*\*\*\*\* ONCE/MONTH COMP24 **EFFLUENT GROSS VALUE** REQUIREMENT \*\*\*\* **DAILY MX** MG/L COLIFORM, FECAL SAMPLE (13)+++++ \*\*\*\*\* \*\*\*\*\* <2 <2 0 02/30 GR GENERAL MEASUREMENT 74055 1 0 0 PERMIT \*\*\*\* 200 400 #/ 100ML \*\*\*\*\* \*\*\*\*\* \*\*\*\*\* ONCE/MONTH **GRAB EFFLUENT GROSS VALUE** REQUIREMENT \*\*\*\* DAILY AV DAILY MX NAME/TITLE PRINCIPAL EXECUTIVE OFFICER I certify under penalty of law that this document and all attachments were prepared under my direction George A. Goode Telephone or supervision in accordance with a system designed to assure that qualified personnel properly gather Division Manager 631-344-4549 and evaluate the information submitted. Based on my inquiry of the person or persons who manage the **Environmental & Waste Management** system, or those persons directly responsible for gathering the information, the information submitted is, to the

best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties

for submitting false information, including the possibliity of fine and imprisonment for knowing violations.

YR MO DY YR MO DY

Comments and Explanation of any violations (Reference all attachments here)

Services Division

Typed or Printed

QUANTITIES OR CONCENTRATIONS OF RADIOACTIVITY IN EFFLUENT ARE SUBJECT TO REQUIREMENTS OF THE USDOE INCL BUT NOT LIMITED TO USDOE ORDER 5400.5.

APPROX 15% OF STP DISCHARGE CAN BE TO GW VIA EXFILT FROM SFB'S. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS AND REQUIREMENTS

Date Signed

Signature of Principal Executive

Officer or Authorized Agent

NAME USDOE

ADDRESS BROOKHAVEN NATIONAL LABORATORY

**BROOKHAVEN AREA OFFICE** 

UPTON NY 11973

FACILITY BROOKHAVEN NATIONAL LABORATORY

LOCATION UPTON NY 11973
ATTN: MICHAEL HOLLAND, GROUP MGR

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

			MAJOR
NY0005835		001 M	(SUBR 01)
Permit Num	ber	Discharge Number	F - FINAL
Monitorin	ng Period		PROCESS SANIT & STORMWTR RNOF
From	То	*	** No Discharge ****
YR MO DY	YR MO DY		

Note: Read Instructions before completing this form

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF				
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS		]
2-BUTANONE	SAMPLE MEASUREMENT	*****	*****		*****	*****	<5	(28)	0	02/30	GR	
78356 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	50 DAILY MX	UG/L		TWICE/MONTH	GRAB	
BOD, 5-DAY PERCENT REMOVAL	SAMPLE MEASUREMENT	*****	*****		>93	*****	*****	(23)	0	01/30	CA	
81010 K 0 0 PERCENTREMOVAL	PERMIT REQUIREMENT	*****	*****	**** ***	85 MO AV MN	*****	*****	PERCENT		ONCE/MONTH	CALCTD	
SOLIDS, SUSPENDED PERCENT REMOVAL	SAMPLE MEASUREMENT	*****	*****		>93	*****	*****	(23)	0	01/30	CA	
81011 K 0 0 PERCENT REMOVAL	PERMIT REQUIREMENT	*****	*****	****	85 MO AV MN	*****	*****	PERCENT		ONCE/MONTH	CALCTD	
	SAMPLE MEASUREMENT											
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	PERMIT REQUIREMENT											
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I certify und	er penalty of law th	at this document an	d all attachments we	re prepared under	my direction					•
George A. Goode	or supervision	on in accordance wi	th a system designe	ed to assure that qua	lified personnel pr	operly gather				Telep	ohone	
Division Manager	-		-	my inquiry of the per						631-34	14-4549	
Environmental & Waste Man	agement					•	=					
Services Division	•	I -	system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties						Signature of Principal Executive			Signed
Typed or Printed		for submitting false information, including the possibility of fine and imprisonment for knowing violations.						Officer or Authorized Agent				

06 01 01 06 01 31

Comments and Explanation of any violations (Reference all attachments here)

QUANTITIES OR CONCENTRATIONS OF RADIOACTIVITY IN EFFLUENT ARE SUBJECT TO REQUIREMENTS OF THE USDOE INCL BUT NOT LIMITED TO USDOE ORDER 5400.5.

APPROX 15% OF STP DISCHARGE CAN BE TO GW VIA EXFILT FROM SFB'S. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS AND REQUIREMENTS

ATTN:

ADDRESS

**BROOKHAVEN AREA OFFICE** 

UPTON NY 11973

MICHAEL HOLLAND, GROUP MGR

FACILITY **BROOKHAVEN NATIONAL LABORATORY** LOCATION UPTON NY 11973

**DISCHARGE MONITORING REPORT (DMR)** BROOKHAVEN NATIONAL LABORATORY

NY0005835 002 B (SUBR 01) F - FINAL Permit Number Discharge Number **Monitoring Period** RF (1004) & BRAHMS (1002) BLOWDN

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

From То YR MO DY YR MO DY 06 01 01 06 01 31

Note: Read Instructions before completing this form

**MAJOR** 

\*\*\* No Discharge

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PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION			ION	NO. EX	FREQUENCY OF	SAMPLE TYPE
		<b>AVERAGE</b>	MAXIMUM	UNITS	MINIMUM	<b>AVERAGE</b>	MAXIMUM	UNITS		ANALYSIS	
PH	SAMPLE MEASUREMENT	*****	*****	(07)	7.7	*****	7.7	(12)	0	01/30	GR
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	GPD	REPORT MINIMUM	*****	9.0 MAXIMUM	SU		ONCE/MONTH	GRAB
OIL & GREASE See Note #4	SAMPLE MEASUREMENT	*****	*****		*****	*****		(19)	0	01/30	GR
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	**** ***	*****	*****	15 DAILY MX	MG/L		ONCE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	*****	0.005	(03)	*****	*****	*****		0	04/30	RC
50050 1 0 0 See Note #3 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	REPORT DAILY MX	MGD	*****	*****	*****	****		ONCE/MONTH	RCORDR
	SAMPLE MEASUREMENT										
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	PERMIT REQUIREMENT										
NAME/TITLE PRINCIPAL EXECU	TIVE OFFICER	I certify und	er penalty of law th	at this document an	d all attachments we	ere prepared under	my direction				
George A. Goode		or supervision	n in accordance w	ith a system designe	ed to assure that qua	alified personnel pr	operly gather				Teleph
Division Manager		and evaluate	the information su	bmitted. Based on i	my inquiry of the per	son or persons who	o manage the				631-344
Environmental & Waste Mar	nagement	system, or those persons directly responsible for gathering the information, the information submitted is, to the									
Services Division		best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties						Signature of Principal Executive			Date Si
Typed or Printed		for submitting	false information,	including the possib	oliity of fine and impr	isonment for knowi	ng violations.	Office	r or Authori	zed Agent	

Comments and Explanation of any violations (Reference all attachments here)

DISCHARGE MAY BE DIRECTED TO SURROUNDING LOW LYING AREA INSIDE ROADWAY THAT IS INSIDE RHIC RING. ONCE STORMWATER COLLECTION SYSTEM IS EXTENDED TO BLDG 1010 & A NEW RECHARGE BASIN IS CONSTRUCTED, DISCARGE SHOULD BE TO NEW BASIN.

ADDRESS BROOKHAVEN NATIONAL LABORATORY

**BROOKHAVEN AREA OFFICE** 

UPTON NY 11973

FACILITY BROOKHAVEN NATIONAL LABORATORY

LOCATION UPTON NY 11973
ATTN: MICHAEL HOLLAND, GROUP MGR

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

							MAJOR			
NY0005835						002 M	(SUBR 01)			
Permit Number						Discharge Number	F - FINAL			
Monitoring Period				erioc	ł		AGS NON-C COOLNG,PRCP,ETC (HN)			
From To			То		*** No Discharge **					
ΥR	МО	DΥ	YR	МО	DΥ					

Note: Read Instructions before completing this form

FREQUENCY SAMPLE NO. **QUANTITY OR LOADING** QUALITY OR CONCENTRATION PARAMETER EX OF **TYPE** AVERAGE MAXIMUM UNITS MINIMUM AVERAGE MAXIMUM UNITS **ANALYSIS** PН SAMPLE (12)\*\*\*\*\* \*\*\*\*\* \*\*\*\*\* 7.3 0 04/30 GR 6.5 MEASUREMENT **PERMIT** \*\*\*\* **REPORT** 9.0 00400 1 0 0 \*\*\*\*\* \*\*\*\*\* \*\*\*\*\* ONCE/MONTH **GRAB EFFLUENT GROSS VALUE** REQUIREMENT \*\*\*\* **MINIMUM MAXIMUM** SU OIL & GREASE SAMPLE (19) \*\*\*\*\* \*\*\*\*\* \*\*\*\*\* \*\*\*\*\* 1.1 0 01/30 GR **MEASUREMENT** See Note #1 00556 1 0 0 **PERMIT** \*\*\*\* 15 \*\*\*\*\* \*\*\*\*\* \*\*\*\*\* \*\*\*\*\* ONCE/MONTH **GRAB** \*\*\*\* **EFFLUENT GROSS VALUE** REQUIREMENT **DAILY MX** MG/L FLOW. IN CONDUIT OR SAMPLE (03)\*\*\*\*\* \*\*\*\*\* 0.038 \*\*\*\*\* \*\*\*\*\* 0 04/30 RC THRU TREATMENT PLANT **MEASUREMENT** 50050 1 0 1 **PERMIT REPORT** \*\*\*\* \*\*\*\*\* \*\*\*\*\* \*\*\*\*\* \*\*\*\*\* ONCE/MONTH **RCORDR** \*\*\*\* **EFFLUENT GROSS VALUE** REQUIREMENT **DAILY AV** MGD SAMPLE **MEASUREMENT PERMIT** REQUIREMENT SAMPLE MEASUREMENT **PERMIT** REQUIREMENT SAMPLE MEASUREMENT **PERMIT** REQUIREMENT SAMPLE MEASUREMENT PERMIT REQUIREMENT NAME/TITLE PRINCIPAL EXECUTIVE OFFICER I certify under penalty of law that this document and all attachments were prepared under my direction George A. Goode Telephone or supervision in accordance with a system designed to assure that qualified personnel properly gather Division Manager 631-344-4549 and evaluate the information submitted. Based on my inquiry of the person or persons who manage the **Environmental & Waste Management** system, or those persons directly responsible for gathering the information, the information submitted is, to the Signature of Principal Executive **Services Division** Date Signed best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties Officer or Authorized Agent Typed or Printed for submitting false information, including the possibliity of fine and imprisonment for knowing violations.

06 01 01 06 01 31

Comments and Explanation of any violations (Reference all attachments here)

SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS AND REQUIREMENTS. SAMPLING FOR THIS OUTFALL SHALL BE CONDUCTED AT A LOCATION DOWNSTREAM OF WHERE EXISTING DISCHARGE MIXES WITH THE COOLING TOWER BLOWDOWN FROM THE STAR DETECTOR.

ADDRESS BROOKHAVEN NATIONAL LABORATORY

**BROOKHAVEN AREA OFFICE** 

UPTON NY 11973

FACILITY BROOKHAVEN NATIONAL LABORATORY

LOCATION UPTON NY 11973 ATTN: MICHAEL HOLLAND, GROUP MGR NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

						` ,	MAJOR
NYO	0058	335				005 M	(SUBR 01)
Permit Number						Discharge Number	F - FINAL
ı	/lonit	torir	ng P	erioc	ł		NSLS COOLING TOWR BLDN ETC(HS)
	From To			То		**	* No Discharge ****
YR	МО	DΥ	YR	МО	DY		

Note: Read Instructions before completing this form

PARAMETER		QUAN	QUANTITY OR LOADING QUALITY OR CONCENTE					EX		FREQUENCY OF	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS		
PH	SAMPLE MEASUREMENT	*****	*****		6.9	*****	7.3	(12)	0	04/30	GR	
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	REPORT MINIMUM	*****	8.5 MAXIMUM	SU		ONCE/MONTH	GRAB	
OIL & GREASE See Note #1	SAMPLE MEASUREMENT	*****	*****		*****	*****	1.3	(19)	0	01/30	GR	
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	15 DAILY MX	MG/L		ONCE/MONTH	GRAB	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.11	*****	(03)	*****	*****	*****		0	04/30	RC	
50050 1 0 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	*****	MGD	*****	*****	*****	****		ONCE/MONTH	RCORDR	
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I certify unde	er penalty of law that	at this document an	d all attachments we	ere prepared under	my direction					1
George A. Goode	or supervisio	n in accordance wi	th a system designe	ed to assure that qua	alified personnel pro	operly gather				Telep	hone	
Division Manager	and evaluate	or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the								631-34	4-4549	
Environmental & Waste Man	agement	system, or those persons directly responsible for gathering the information, the information submitted is, to the										
Services Division	best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties					Signature of Principal Executive			Date S	Signed		
Typed or Printed	for submitting false information, including the possibliity of fine and imprisonment for knowing violations.						Officer or Authorized Agent					

06 01 01 06 01 31

Comments and Explanation of any violations (Reference all attachments here)

SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS AND REQUIREMENTS.

PERMITTEE NAME/ADDRESS	(Include Fa	acility Name/Location	on if Different)
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ADDRESS BROOKHAVEN NATIONAL LABORATORY

**BROOKHAVEN AREA OFFICE** 

UPTON NY 11973

FACILITY **BROOKHAVEN NATIONAL LABORATORY** LOCATION UPTON NY 11973

ATTN: MICHAEL HOLLAND, GROUP MGR NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) **DISCHARGE MONITORING REPORT (DMR)** 

							MAJOR				
NYC	0058	335				007 M	(SUBR 01)				
Per	mit N	lum	ber			Discharge Number	F - FINAL				
N	/loni	torii	ng P	erioc	ł		WATER TREATMENT PLT BKWSH (HX)				
	Fron	1		То		*** No Discharge ***					
YR	МО	DΥ	YR	МО	DY						
06	01	01	06	01	31	Note: Rea	d Instructions before completing this for				

PARAMETER		QUAN	ITITY OR LO	ADING	QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF	SAMPLE TYPE	
		AVERAGE	MAXIMUM UNITS		MINIMUM	AVERAGE MAXIMUM		UNITS		ANALYSIS		
FLOW RATE	SAMPLE MEASUREMENT	*****	280000	(07)	*****	*****	*****		0	21/30	IN	
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	REPORT DAILY MX	GPD	*****	*****	*****			ONCE/MONTH	INSTAN	
PH	SAMPLE MEASUREMENT	*****	*****		7.6	*****	7.6	(12)	0	01/30	GR	
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	**** ***	REPORT MINIMUM	*****	9.0 MAXIMUM	SU		ONCE/ MONTH	GRAB	
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
NAME/TITLE PRINCIPAL EXECU	TIVE OFFICER	I certify und	er penalty of law th	at this document an	d all attachments we	re prepared under	my direction			•		•
George A. Goode	or supervision	on in accordance wi	th a system designe	ed to assure that qua	lified personnel pr	operly gather				Telep	hone	
Division Manager		and evaluate	the information sul	omitted. Based on	my inquiry of the per	son or persons wh	o manage the				631-34	4-4549
Environmental & Waste Man	agement	system, or those	persons directly re	sponsible for gathe	ring the information,	the information su	bmitted is, to the					
Services Division		best of my know	ledge and belief, tr	ue, accurate, and c	omplete. I am aware	that there are sig	nificant penalties	Signatur	e of Princip	al Executive	Date S	Signed
Typed or Printed		for submitting	g false information,	including the possib	liity of fine and impri	sonment for know	ing violations.	Office	r or Author	zed Agent		

Comments and Explanation of any violations (Reference all attachments here)

SAMPLES TO BE COLLECTED AT EFFLUENT PIPE TO WHICHEVER BASIN IS IN OPERATION AT THE TIME. STANDING WATER IN EITHER BASIN SHALL NOT BE COLLECTED FOR DMR SAMPLING PURPOSES. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS AND REQUIREMENTS.

ADDRESS BROOKHAVEN NATIONAL LABORATORY

**BROOKHAVEN AREA OFFICE** 

UPTON NY 11973

FACILITY BROOKHAVEN NATIONAL LABORATORY

LOCATION UPTON NY 11973 ATTN: MICHAEL HOLLAND, GROUP MGR NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) DISCHARGE MONITORING REPORT (DMR)

							• •	MAJOR						
ı	NYC	0058	335				008 M	(SUBR 01)						
ı	Per	mit N	lum	ber			Discharge Number	F - FINAL						
Ĭ	N	/loni	orir	ng P	erioc	ł		STORMWTR RUNOFF WA	REHOUSE (HW)					
ĺ		Fron	וְ		То		***	No Discharge	****					
ĺ	YR	МО	DΥ	ΥR	МО	DY		l						
06 01 01 06 01 31							Note: Read Instructions before completing this form							

PARAMETER			QUANTITY OR LOADING			QUALITY OR CONCENTRATION				FREQUENCY OF	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	<b>AVERAGE</b>	MAXIMUM	UNITS		ANALYSIS		
FLOW RATE See Note #2	SAMPLE MEASUREMENT	*****	98400	(07)	*****	*****	*****		0	01/30	IN	
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	REPORT DAILY MX	GPD	*****	*****	*****	**** ***		ONCE/MONTH	INSTAN	
PH	SAMPLE MEASUREMENT	*****	*****		7.1	*****	7.1	(12)	0	01/30	GR	
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	**** ***	REPORT MINIMUM	*****	8.5 MAXIMUM	SU		ONCE/MONTH	GRAB	
OIL & GREASE	SAMPLE MEASUREMENT	*****	*****		*****	*****	<0.95	(19)	0	01/30	GR	
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****		*****	15 DAILY MX	MG/L		ONCE/MONTH	GRAB	
1,1-DICHLOROETHYLENE	SAMPLE MEASUREMENT	*****	*****		*****	*****	<1	(28)	0	01/30	GR	
34501 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	5 DAILY MX	UG/L		ONCE/MONTH	GRAB	
1,1,1-TRICHLORO- ETHANE	SAMPLE MEASUREMENT	*****	*****		*****	*****	<1	(28)	0	01/30	GR	
34506 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	5 DAILY MX	UG/L		ONCE/MONTH	GRAB	
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		I certify und	er penalty of law th	at this document an	d all attachments we	ere prepared under	my direction			<u> </u>		<u> </u>
George A. Goode	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									Telep	hone	
Division Manager	and evaluate	the information sul	omitted. Based on r	my inquiry of the per	son or persons wh	o manage the				631-34	4-4549	
Environmental & Waste Man	agement	and evaluate 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 submitted is, to the										
Services Division	-			-	omplete. I am aware			Signatur	e of Princip	al Executive	Date S	Signed
Typed or Printed		for submitting	g false information,	including the possib	liity of fine and impri	sonment for knowi	ng violations.	Office	r or Authori	ized Agent		

Comments and Explanation of any violations (Reference all attachments here)

PARAMETERS EXCEPT FOR FLOW TO BE SAMPLED MONTHLY DURING A STORM EVENT. (IF NO DISCHARGE, ENTER AN "X" IN THE "NO DISCHARGE" BOX AT THE UPPER RIGHT.) SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS AND REQUIREMENTS.

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

ADDRESS BROOKHAVEN NATIONAL LABORATORY

**BROOKHAVEN AREA OFFICE** 

UPTON NY 11973

FACILITY BROOKHAVEN NATIONAL LABORATORY LOCATION UPTON NY 11973

ATTN: MICHAEL HOLLAND, GROUP MGR

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

								MAJOR							
NY0005835							010 M	(SUBR 01)							
	Per	mit N	lum	ber			Discharge Number	F - FINAL							
Monitoring Period				ng P	erioc	ł		STORMWTR R O CENTRAL STEAM (H)							
		Fron	1		То		**	* No Discharge ****							
	YR	МО	DΥ	YR	МО	DY									
06 01 01 06 01 31				06	01	31	Note: Read Instructions before completing this form								

PARAMETER		QUAN	ITITY OR LO	ADING	QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS		l
FLOW RATE See Note #2	SAMPLE MEASUREMENT	*****	42000	(07)	*****	*****	*****		0	01-30	IN	
00056 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	REPORT DAILY MX	GPD	*****	*****	*****	****		ONCE/MONTH	INSTAN	
РН	SAMPLE MEASUREMENT	*****	*****		7.1	*****	7.1	(12)	0	01/30	GR	
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	REPORT MINIMUM	*****	8.5 MAXIMUM	SU		ONCE/MONTH	GRAB	
OIL & GREASE See Note #1	SAMPLE MEASUREMENT	*****	*****		*****	*****	1.4	(19)	0	01/30	GR	
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	**** ***	*****	*****	15 DAILY MX	MG/L		ONCE/MONTH	GRAB	
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
NAME/TITLE PRINCIPAL EXECU	TIVE OFFICER	I certify unde	er penalty of law th	at this document an	d all attachments we	ere prepared under	my direction					
George A. Goode	or supervisio	n in accordance wi	ith a system designe	ed to assure that qua	alified personnel pr	operly gather				Telepi	hone	
Division Manager		and evaluate	the information sul	bmitted. Based on i	my inquiry of the per	son or persons who	o manage the				631-344	4-454
Environmental & Waste Man	agement	system, or those	persons directly re	esponsible for gathe	ring the information,	the information sul	omitted is, to the					
Services Division		best of my know	rledge and belief, tr	rue, accurate, and o	omplete. I am awar	e that there are sign	nificant penalties	_		al Executive	Date S	igne
Typed or Printed		for submitting	false information,	including the possib	oliity of fine and impr	isonment for knowi	ng violations.	Office	r or Author	ized Agent		

Comments and Explanation of any violations (Reference all attachments here)

PARAMETERS EXCEPT FOR FLOW TO BE SAMPLED MONTHLY DURING A STORM EVENT. (IF NO DISCHARGE, ENTER AN "X" IN THE "NO DISCHARGE" BOX AT THE UPPER RIGHT.) SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS AND REQUIREMENTS.

ADDRESS BROOKHAVEN NATIONAL LABORATORY

**BROOKHAVEN AREA OFFICE** 

UPTON NY 11973

FACILITY BROOKHAVEN NATIONAL LABORATORY
LOCATION UPTON NY 11973
ATTN: MICHAEL HOLLAND, GROUP MGR

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

							WAJUR						
NYO	0005	335				06A M	(SUBR 01)						
Per	mit N	lum	ber			Discharge Number	r F - FINAL						
	Moni	torir	ng P	erioc	ł		LINAC NCCW, FLOOR DNS,ETC(HT1)						
	Fron	ņ		То		**:	* No Discharge ****						
YR MO DY YR MO DY													
06 01 01 06 01 31						Note: Read Instructions before completing this form							

PARAMETER			QUANTITY OR LOADING			QUALITY OR CONCENTRATION				FREQUENCY OF	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS		
PH	SAMPLE MEASUREMENT	*****	*****		6.8	*****	7.3	(12)	0	04/30	GR	
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	REPORT MINIMUM	*****	9.0 MAXIMUM	SU		ONCE/MONTH	GRAB	
OIL & GREASE See Note #1	SAMPLE MEASUREMENT	*****	*****		*****	*****	2.3	(19)	0	01/30	GR	
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	**** ***	*****	*****	15 DAILY MX	MG/L		ONCE/MONTH	GRAB	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.035	*****	(03)	*****	*****	*****		0	04/30	RC	
50050 1 0 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	*****	MGD	*****	*****	*****	**** ***		ONCE/MONTH	RCORDR	
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
NAME/TITLE PRINCIPAL EXECU		I certify unde	er penalty of law that	at this document an	d all attachments we	ere prepared under	my direction					1
George A. Goode		1			ed to assure that qua		-				Telep	hone
Division Manager				-	my inquiry of the per							4-4549
Environmental & Waste Man	agement				ring the information,		=					
Services Division	-	1		-	omplete. I am aware			Signatur	e of Princip	al Executive	Date S	Signed
Typed or Printed		for submitting	g false information,	including the possib	liity of fine and impri	sonment for know	ing violations.	Office	r or Author	ized Agent		

Comments and Explanation of any violations (Reference all attachments here)

SEE PERMIT FOR ADDITIONAL NOTES COMMENTS AND REQUIREMENTS.

ADDRESS BROOKHAVEN NATIONAL LABORATORY

**BROOKHAVEN AREA OFFICE** 

UPTON NY 11973

FACILITY BROOKHAVEN NATIONAL LABORATORY

LOCATION UPTON NY 11973 ATTN: MICHAEL HOLLAND, GROUP MGR NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
DISCHARGE MONITORING REPORT (DMR)

								MAJOR				
	NY0005835						06B M	(SUBR 01)				
	Permit Number						Discharge Number	umber F - FINAL				
1	Monitoring Period							COOLING TOWR FROM 919 ETC(HT2)				
From To			То		*** No Discharge ***							
	YR	МО	DΥ	YR	МО	DY						
	06	01	01	06	01	31	Note: Read	Instructions before completing this form				

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF	SAMPLE TYPE	
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS		
PH	SAMPLE MEASUREMENT	*****	*****		7.0	*****	7.0	(12)	0	04/30	GR	
00400 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	REPORT MINIMUM	*****	9.0 MAXIMUM	SU		ONCE/MONTH	GRAB	
OIL & GREASE See Note #1	SAMPLE MEASUREMENT	*****	*****		*****	*****	2.2	(19)	0	01/30	GR	
00556 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	**** ***	*****	*****	15 DAILY MX	MG/L		ONCE/MONTH	GRAB	
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	SAMPLE MEASUREMENT	0.30	*****	(03)	*****	*****	*****		0	04/30	RC	
50050 1 0 1 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	REPORT DAILY AV	*****	MGD	*****	*****	*****	**** ***		ONCE/MONTH	RCORDR	
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
	SAMPLE MEASUREMENT											
	PERMIT REQUIREMENT											
NAME/TITLE PRINCIPAL EXECU	I certify unde	I certify under penalty of law that this document and all attachments were prepared under my direction									1	
George A. Goode	or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate 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 submitted is, to the							Telep	hone			
Division Manager									631-344-4549			
Environmental & Waste Man												
Services Division	best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties					Signature of Principal Executive			Date S	Signed		
Typed or Printed		for submitting	g false information,	including the possib	liity of fine and impri	sonment for know	ing violations.	Officer or Authorized Agent				

Comments and Explanation of any violations (Reference all attachments here)

SEE PERMIT FOR ADDITIONAL NOTES COMMENTS AND REQUIREMENTS.

# ATTACHMENT II BROOKHAVEN NATIONAL LABORATORY SPDES PERMIT NO. NY0005835 DISCHARGE MONITORING REPORT FOR JANUARY 2006 NONCOMPLIANCE REPORT



## New York State Department of Environmental Conservation Division of Water



# Report of Noncompliance Event

To: DEC Water Contact:		R. Sorr		DEC Region:	1		
Report Type: 5-Day _X	_ Permit Violation	Order Vi	olation _	Anticipated N	Noncompliance	Bypass/Overflo	w
SECTION 2 SPDES #: NY-	0005835	Facility: U.S.	. Departn	nent of Energy/Bro	okhaven Nation	al Laboratory	
Date of noncompliance:	1/25/06	Location (Ou	tfall, Tre	atment Unit, or Pu	mp Station): _(	002B	
Description of noncompliance(s) an grease sample submitted by BNL result to Brookhaven National La provides details on the incident an	on January 21, 2006 ( boratory for oil & gre	C.O.C. #22190) ase at Outfall 00	unreport 02B. Plea	able. This error p ise see attached let	revented GEL fi ter from GEL, d	om being able to rep lated February 9, 200	ort a
Has event ceased? (Yes) (No) If so	, when?		Was ever	nt due to plant upset		PDES limits violated?	\ /
Start date, time of event:	te Time	(AM) (PM)	End date	, time of event:	Date	Time (AM)	(PM)
Date, time oral notification made to	DEC?Date	Time	_ (AM)	(PM) DEC Offic	ial contacted:		
Immediate corrective actions: None not be collected for analysis.  Preventative (long term) corrective a Therefore, BNL believes this none grease samples.	actions: <b>GEL was able</b>	to identify the p	problem t	hat caused this inc	ident and imme	diately corrected the	process.
SECTION 3 Complete this section if event was a Bypass amount:	bypass:	w	-	DEC authorization re		vent? (Yes) (No)	esionaenonnoven
DEC Official contacted:				Date of DEC appro	oval:	Date	
Describe event in "Description of no	oncompliance and cause	e" area in Section	n 2. Detai	l the start and end d	ates and times in	Section 2 also.	
SECTION 4							
Facility Representative: George	rge A. Goode		Title: _	Division Manager			
Phone #:(631	) 344-4549		Fax #: _	(631) 344-7334		Date	:
I Certify under penalty of law that direction or supervision in accorda properly gather and evaluate the in persons who manage the system, o information, the information submit and complete. I am aware that the including the possibility of fine and	nce with a system desig formation submitted. F r those persons directly itted is, to the best of m re are significant penalt	gned to assure that Based on my inquestresponsible for a sy knowledge and ties for submitting	at qualifie uiry of the gathering d belief, tr g false inf	d personnel person or the ue, accurate,		of Principal Executive or Authorized Agent	e



## GENERAL ENGINEERING LABORATORIES, LLC

a Member of THE GEL GROUP, INC.

Meeting Today's Needs with a Vision for Tomorrow

February 9, 2006

Robert J. Lee, P.E. Brookhaven National Laboratory P.O. Box 5000, Bldg. 120 Upton, NY 11973

RE: Oil and Grease sample

Dear Mr. Lee:

The purpose of this letter is to explain the cause of the incident in which oil and grease sample for the ES SPDES project has been rendered unreportable by General Engineering Laboratories, LLC (GEL).

The laboratory received one sample container identified as 22190-001 on January 21, 2006. The sample was batched and analyzed on January 25. The laboratory control sample (LCS) used as batch quality control exhibited a recovery of 0%. The failed LCS was due to a technique mix-up. The problem was discovered during the final steps of the test. The Team Leader identified and corrected the process problem, but the sample had been consumed. The Group Leader and Project Manager were alerted at that time. The analyst has received additional training.

On behalf of GEL, please accept our apologies for any inconveniences caused by the lost sample. Your confidence in our ability to process your samples are of utmost importance. Please do not hesitate to contact me at 843-556-8171 or email me at bdg@gel.com for any additional clarification.

Yours very truly.

Denni Grunstra

Quality Assurance Officer

cc: Erin Stanley (GEL)
Robert Pullano (GEL)
John Burke (BRKL)