

BROOKHAVEN
NATIONAL LABORATORY

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

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

MAR 23 2007

Gentlemen:

**SUBJECT: State Pollutant Discharge Elimination System (SPDES) NY-0005835
Brookhaven National Laboratory (BNL) Discharge Monitoring Report (DMR)
for February 2007**

In accordance with our SPDES permit (NY-0005835), enclosed as Attachment I, please find the DMR for the month of February 2007. 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. CHEMTEX Environmental Laboratory, Inc. (NELAP Certification #02077) performs specialty analyses for tolyltriazole, hydroxyethylidene 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 two noncompliance events for total nitrogen at Outfall 001, review of the analytical data shows that all other parameters met their respective SPDES effluent limitations this reporting period. Samples collected on February 5, 2007 and February 7, 2007 exhibited total nitrogen concentrations of 11.6 mg/L and 11.4 mg/L (respectively), which exceeded the permit limit of 10 mg/L. 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 February.

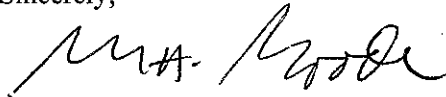


ENVIRONMENTAL
MANAGEMENT SYSTEM
REGISTERED TO
ISO 14001:2004

EC 62 EL.07

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,



George A. Goode
Environmental & Waste Management Services
Division Manager

GAG/JR:djp

Attachment I: Discharge Monitoring Report for February 2007.

Attachment II: Noncompliance Report for Total Nitrogen Excursions at Outfall 001

Attachment II: Analytical Results from H2M Labs Inc. and General Engineering Laboratories, LLC for samples collected on 2/5/07 and 2/7/07 from Outfall 001 (BNL Use Only).

Attachment III: Analytical Results from General Engineering Laboratories for samples collected from Outfalls 002, 002B, 005, 006A, 006B, 008, and 010 (BNL Use Only).

cc: M. Bebon, w/o Attachments
G. Goode, w/o Attachments
M. Holland, w/o Attachments
C. Kao, w/ all 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
W. Chaloupka, w/ all Attachments
G. Granzen, w/ all Attachments
C. Johnson, w/o Attachments
R. Lee, w/ all Attachments
D. Lowenstein, w/o Attachments
V. Radeka, w/ all Attachments
E. Governale, SCDHS, w/ Attachment I
R. Backofen, w/o Attachments
R. Izzo, w/ all Attachments

File: EC62ER.07

Brookhaven National Laboratory
SPDES Permit No. NY0005835
Discharge Monitoring Report for February 2007
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. The total nitrogen concentration did not meet the permit limits for the samples collected on February 5, 2007 and February 7, 2007. Please see Attachment II for the Non-Compliance Report.

ATTACHMENT I

BROOKHAVEN NATIONAL LABORATORY

SPDES PERMIT NO. NY0005835

**BNL's APPROVED COMPUTER GENERATED
DISCHARGE MONITORING REPORT FOR FEBRUARY 2007**

FOR OUTFALLS NO. 001 – 010

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

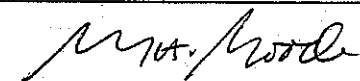
PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
 NAME BROOKHAVEN NATIONAL LABORATORY
 ADDRESS 53 BELL AVENUE, BLDG 464
 UPTON, NY 11973
 FACILITY BROOKHAVEN NATIONAL LABORATORY
 LOCATION 53 BELL AVENUE, BLDG 464
 UPTON, NY 11973
 ATTN: MICHAEL HOLLAND, OFFICE MGR

NY0005835			002B		
PERMIT NUMBER			DISCHARGE NUMBER		
MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	02	01	07	02	28

DMR MAILING ZIP CODE: 11973
 MAJOR (SUBR 01)
 RF(1004) & BRAHMS(1002) BLOWDN
 External Outfall

No Discharge

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	MEASUREMENT	*****	*****		6.9	*****	6.9		0	01/30	GR
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		Req. Min	*****	9	SU		Once Per Month	GRAB
Oil & grease	MEASUREMENT	*****	*****		*****	*****	1.0		0	01/30	GR
00556 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	15	mg/L		Once Per Month	GRAB
Flow, in conduit or thru treatment plant	MEASUREMENT	*****	*****	0.02	*****	*****	*****		0	04/30	RC
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	Req. Mon	Mgal/d	*****	*****	*****			Once Per Month	RCORDR

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division. Typed or Printed	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. 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 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.	DATE		
				
		2007	3	22
		YEAR	MO	DAY
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		
		631-344-4549		

Comments and Explanation of any violations (Reference all attachments here)
 DISCHARGE MAY BE DIRECTED TO SURROUNDING LOW LYING AREA INSIDE THE ROADWAY THAT IS INSIDE RHIC RING. ONCE STORMWATER COLLECTION SYSTEM IS EXTENDED TO BLDG 1010 AND A NEW RECHARGE BASIN IS CONSTRUCTED, DISCHARGE SHOULD BE TO NEW BASIN.

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

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

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ADDRESS 53 BELL AVENUE, BLDG 464
UPTON, NY 11973
FACILITY BROOKHAVEN NATIONAL LABORATORY
LOCATION 53 BELL AVENUE, BLDG 464
UPTON, NY 11973
ATTN: MICHAEL HOLLAND, OFFICE MGR

NY0005835	001M
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	02	01	07	02	28

DMR MAILING ZIP CODE: 11973
MAJOR (SUBR 01)
PROCESS SANIT & STORMWTR RNOFF
External Outfall

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Temperature, water deg. Fahrenheit	SAMPLE MEASUREMENT	*****	*****		*****	*****	45		0	01/01	GR
00011 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	90 DAILY MX	deg F		Daily	GRAB
BOD, 5-day, 20 deg. C	SAMPLE MEASUREMENT	*****	*****		*****	< 2	< 2		0	02/30	24
00310 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	10 DAILY AV	20 DAILY MX	mg/L		Once Per Month	COMP24
pH	SAMPLE MEASUREMENT	*****	*****		6.6	*****	7.4		0	01/01	GR
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		5.8 MINIMUM	*****	9.0 MAXIMUM	SU		Daily	GRAB
Solids, total suspended	SAMPLE MEASUREMENT	*****	*****		*****	<0.86	<1.14		0	02/30	24
00530 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	10 DAILY AV	20 DAILY MX	mg/L		Once Per Month	COMP24
Solids, settleable	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.0		0	01/01	GR
00545 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	0.1 DAILY MX	mL/L		Daily	GRAB
Nitrogen, total (as N)	SAMPLE MEASUREMENT	*****	*****		*****	*****	12		2	02/30	24
00600 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	10 DAILY MX	mg/L		Once Per Month	COMP24
Nitrogen, ammonia total (as N)	SAMPLE MEASUREMENT	*****	*****		*****	*****	<0.10		0	02/30	24
00610 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	2 DAILY MX	mg/L		Once Per Month	COMP24

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
George A. Goode
Division Manager
Environmental & Waste Management
Services Division
Typed or Printed

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. 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 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.

Michael Holland
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

DATE		
2007	3	22
YEAR	MO	DAY
TELEPHONE		
631-344-4549		

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 SFBS. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS, AND REQUIREMENTS.

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

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 UPTON, NY 11973
 FACILITY BROOKHAVEN NATIONAL LABORATORY
 LOCATION 53 BELL AVENUE, BLDG 464
 UPTON, NY 11973
 ATTN: MICHAEL HOLLAND, OFFICE MGR

NY0005835	001M
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	02	01	07	02	28

DMR MAILING ZIP CODE: 11973
 MAJOR (SUBR 01)
 PROCESS SANIT & STORMWTR RNOFF
 External Outfall

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Phosphorus, total (as P)	SAMPLE MEASUREMENT	*****	*****		*****	*****	1.5		0	02/30	24
00665 1 0 Effluent Gross	PERMIT REQUIREMENT						Reg Mon DAILY MX	mg/L		Once Per Month	COMP24
Cyanide, total (as CN)	SAMPLE MEASUREMENT	*****	*****		*****	*****	<1.5		0	02/30	GR
00720 1 0 Effluent Gross	PERMIT REQUIREMENT						1.00 DAILY MX	ug/L		Twice Per Month	GRAB
Copper, total (as Cu)	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.12		0	02/30	24
01042 1 0 Effluent Gross	PERMIT REQUIREMENT						0.15 DAILY MX	mg/L		Once Per Month	COMP24
Iron, total (as Fe)	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.28		0	02/30	24
01045 1 0 Effluent Gross	PERMIT REQUIREMENT						0.37 DAILY MX	mg/L		Once Per Month	COMP24
Lead, total (as Pb)	SEE NOTE #1 SAMPLE MEASUREMENT	*****	*****		*****	*****	0.00082		0	02/30	24
01051 1 0 Effluent Gross	PERMIT REQUIREMENT						0.019 DAILY MX	mg/L		Once Per Month	COMP24
Nickel, total (as Ni)	SEE NOTE #1 SAMPLE MEASUREMENT	*****	*****		*****	*****	0.019		0	02/30	24
01067 1 0 Effluent Gross	PERMIT REQUIREMENT						0.11 DAILY MX	mg/L		Once Per Month	COMP24
Silver, total (as Ag)	SEE NOTE #1 SAMPLE MEASUREMENT	*****	*****		*****	*****	<0.001		0	02/30	24
01077 1 0 Effluent Gross	PERMIT REQUIREMENT						0.015 DAILY MX	mg/L		Once Per Month	COMP24

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 George A. Goode
 Division Manager
 Environmental & Waste Management
 Services Division
 Typed or Printed

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Michael Holland
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DATE		
2007	3	22
YEAR	MO	DAY
TELEPHONE		
631-344-4549		

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 UPTON, NY 11973
 ATTN: MICHAEL HOLLAND, OFFICE MGR

NY0005835			001M		
PERMIT NUMBER			DISCHARGE NUMBER		
MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	02	01	07	02	28

DMR MAILING ZIP CODE: 11973
 MAJOR (SUBR 01)
 PROCESS SANIT & STORMWTR RNOFF
 External Outfall

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Zinc, total (as Zn)	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.06		0	02/30	24
01092 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	0.1 DAILY MX	mg/L		Once Per Month	COMP24
Toluene	SAMPLE MEASUREMENT	*****	*****		*****	*****	<1		0	02/30	GR
34010 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	5 DAILY MX	ug/L		Twice Per Month	GRAB
Methylene chloride	SAMPLE MEASUREMENT	*****	*****		*****	*****	<2		0	02/30	GR
34423 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	5 DAILY MX	ug/L		Twice Per Month	GRAB
1, 1, 1 - Trichloroethane	SAMPLE MEASUREMENT	*****	*****		*****	*****	<1		0	02/30	GR
34506 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	5 DAILY MX	ug/L		Twice Per Month	GRAB
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	0.21	0.27		*****	*****	*****		0	99/99	RC
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon DAILY AV	2.3 DAILY MX	Mgal/d	*****	*****	*****			Continuous	RCORDR
Mercury, total (as Hg)	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.00007		0	02/30	24
71900 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	0.0008 DAILY MX	mg/L		Once Per Month	COMP24
Coliform, fecal general	SAMPLE MEASUREMENT	*****	*****		*****	*****	<2		0	02/30	GR
74055 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	200 DAILY AV 400 DAILY MX	#/100mL		Once Per Month	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 George A. Goode
 Division Manager
 Environmental & Waste Management
 Services Division
 Typed or Printed

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Michael Holland

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

DATE		
2007	3	22
YEAR	MO	DAY
TELEPHONE		
631-344-4549		

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 SFBS. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS, AND REQUIREMENTS.

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

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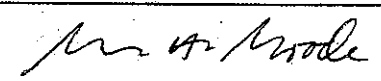
NY0005835	001M
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	02	01	07	02	28

DMR MAILING ZIP CODE: 11973
 MAJOR (SUBR-01)
 PROCESS SANIT & STORMWTR RNOFF
 External Outfall

No Discharge

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
2 - Butanone	SAMPLE MEASUREMENT	*****	*****		*****	*****	<5		0	02/30	GR
78356 1 0. Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	50 DAILY MX	ug/L		Twice Per Month	GRAB
BOD, 5-day, percent removal	SAMPLE MEASUREMENT	*****	*****		>94	*****	*****		0	01/30	CA
81010 K 0 Percent Removal	PERMIT REQUIREMENT	*****	*****		85 MO AV MN	*****	*****	%		Once Per Month	CALCTD
Solids, suspended percent removal	SAMPLE MEASUREMENT	*****	*****		>97	*****	*****		0	01/30	CA
81011 K 0 Percent Removal	PERMIT REQUIREMENT	*****	*****		85 MO AV MN	*****	*****	%		Once Per Month	CALCTD

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed	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. 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 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.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	DATE		
			2007	3	22
			YEAR	MO	DAY
			TELEPHONE		
			631-344-4549		

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 EXFILTRATION FROM SFBS. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS, AND REQUIREMENTS.

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

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ADDRESS 53 BELL AVENUE, BLDG 464
UPTON, NY 11973
FACILITY BROOKHAVEN NATIONAL LABORATORY
LOCATION 53 BELL AVENUE, BLDG 464
UPTON, NY 11973
ATTN: MICHAEL HOLLAND, OFFICE MGR

Page 6


NY0005835	002M
PERMIT NUMBER	DISCHARGE NUMBER

DMR MAILING ZIP CODE: 11973
MAJOR (SUBR 01)
AGS NON-C COOLING,PRCP,ETC (HN)
External Outfall

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	02	01	07	02	28

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	*****	*****		6.2	*****	7.5		0	04/30	GR
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		Req. Min MINIMUM	*****	9 MAXIMUM	SU		Once Per Month	GRAB
Oil & grease	SAMPLE MEASUREMENT	*****	*****		*****	*****	1.1		0	01/30	GR
00556 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	15 DAILY MX	mg/L		Once Per Month	GRAB
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	0.018	*****		*****	*****	*****		0	04/30	RC
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon DAILY AV.	*****	Mgal/d	*****	*****	*****			Once Per Month	RCORDR

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed	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. 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 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.		DATE		
			2007	3	22
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			TELEPHONE 631-344-4549		

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.

Page 6

**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
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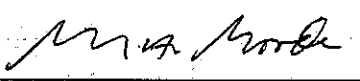
NY0005835	005M
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	02	01	07	02	28

DMR MAILING ZIP CODE: 11973
 MAJOR (SUBR 01)
 NSLS COOLING TOWR BLDN ETC (HS)
 External Outfall

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	*****	*****		7.2	*****	7.2		0	04/30	GR
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		Red Mon MINIMUM	*****	3.5 MAXIMUM	SU		Once Per Month	GRAB
Oil & grease	SAMPLE MEASUREMENT	*****	*****		*****	*****	<0.88		0	01/30	GR
00556 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	15 DAILY/MX	mg/L		Once Per Month	GRAB
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	0.33	*****		*****	*****	*****		0	04/30	RC
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Red Mon MO AV	*****	Mgal/d	*****	*****	*****			Once Per Month	RCORDR

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed	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. 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 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.		DATE		
			2007	3	22
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			TELEPHONE 631-344-4549		

Comments and Explanation of any violations (Reference all attachments here)
 SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS, AND REQUIREMENTS.

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

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

NAME BROOKHAVEN NATIONAL LABORATORY
 ADDRESS 53 BELL AVENUE, BLDG 464
 UPTON, NY 11973
 FACILITY BROOKHAVEN NATIONAL LABORATORY
 LOCATION 53 BELL AVENUE, BLDG 464
 UPTON, NY 11973
 ATTN: MICHAEL HOLLAND, OFFICE MGR


NY0005835	007M
PERMIT NUMBER	DISCHARGE NUMBER

DMR MAILING ZIP CODE: 11973
 MAJOR (SUBR 01)
 WATER TREATMENT PLT BKWSH (HX)
 External Outfall

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	02	01	07	02	28

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Flow rate	SAMPLE MEASUREMENT	*****	80000	*****	*****	*****	*****		0	7/30	IN
00056 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	Req Mon DAILY MX	gal/d	*****	*****	*****			Once Per Month	INSTAN
pH	SAMPLE MEASUREMENT	*****	*****	*****	6.9	*****	6.9		0	01/30	GR
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	Req Mon MINIMUM	*****	9 MAXIMUM	SU		Once Per Month	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed	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. 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 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.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	DATE		
			2007	3	22
			YEAR	MO	DAY
			TELEPHONE		
			631-344-4549		

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.

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

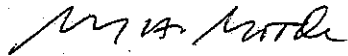
PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
 NAME: BROOKHAVEN NATIONAL LABORATORY
 ADDRESS: 53 BELL AVENUE, BLDG 464
 UPTON, NY 11973
 FACILITY: BROOKHAVEN NATIONAL LABORATORY
 LOCATION: 53 BELL AVENUE, BLDG 464
 UPTON, NY 11973
 ATTN: MICHAEL HOLLAND, OFFICE MGR

NY0005835			008M		
PERMIT NUMBER			DISCHARGE NUMBER		
MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	02	01	07	02	28

DMR MAILING ZIP CODE: 11973
 MAJOR (SUBR 01)
 STORMWTR RUNOFF WAREHOUSE (HW)
 External Outfall

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Flow rate	SEE NOTE #2	*****	1440000		*****	*****	*****		0	01/30	IN
00056 1 0 Effluent Gross		*****	Req'd Mon DAILY/MX	gal/d	*****	*****	*****			Once Per Month	INSTAN
pH		*****	*****		7.3	*****	7.3		0	01/30	GR
00400 1 0 Effluent Gross		*****	*****		Req'd Mon MINIMUM	*****	8.5 MAXIMUM	SU		Once Per Month	GRAB
Oil & grease		*****	*****		*****	*****	<0.88		0	01/30	GR
00556 1 0 Effluent Gross		*****	*****		*****	*****	15 DAILY/MX	mg/L		Once Per Month	GRAB
1, 1 - Dichloroethylene		*****	*****		*****	*****	<1		0	01/30	GR
34501 1 0 Effluent Gross		*****	*****		*****	*****	5 DAILY/MX	ug/L		Once Per Month	GRAB
1, 1, 1 - Trichloroethane		*****	*****		*****	*****	<1		0	01/30	GR
34506 1 0 Effluent Gross		*****	*****		*****	*****	5 DAILY/MX	ug/L		Once Per Month	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed	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. 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 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.		DATE		
			2007	3	22
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			TELEPHONE 631-344-4549		

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

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

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

NAME BROOKHAVEN NATIONAL LABORATORY
ADDRESS 53 BELL AVENUE, BLDG 464
UPTON, NY 11973
FACILITY BROOKHAVEN NATIONAL LABORATORY
LOCATION 53 BELL AVENUE, BLDG 464
UPTON, NY 11973
ATTN: MICHAEL HOLLAND, OFFICE MGR

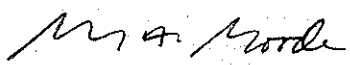
NY0005835	010M
PERMIT NUMBER	DISCHARGE NUMBER

DMR MAILING ZIP CODE: 11973
MAJOR (SUBR 01)
STORMWTR R O CENTRAL STEAM (H)
External Outfall

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	02	01	07	02	28

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS				
Flow rate	SEE NOTE #2	SAMPLE MEASUREMENT	*****	223700		*****	*****	*****		0	01/30	IN
00056 1 0 Effluent Gross		PERMIT REQUIREMENT	*****	Req. Mon DAILY MX	gal/d	*****	*****	*****			Once Per Month	INSTAN
pH		SAMPLE MEASUREMENT	*****	*****		6.4	*****	6.4		0	01/30	GR
00400 1 0 Effluent Gross		PERMIT REQUIREMENT	*****	*****		Req. Mon MINIMUM	*****	8.5 MAXIMUM	SU		Once Per Month	GRAB
Oil & grease	SEE NOTE #1	SAMPLE MEASUREMENT	*****	*****		*****	*****	1.1		0	01/30	GR
00556 1 0 Effluent Gross		PERMIT REQUIREMENT	*****	*****		*****	*****	15 DAILY MX	mg/L		Once Per Month	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed	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. 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 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.		DATE		
			2007	3	22
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			TELEPHONE 631-344-4549		

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.

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

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

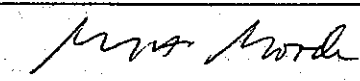
NAME BROOKHAVEN NATIONAL LABORATORY
ADDRESS 53 BELL AVENUE, BLDG 464
UPTON, NY 11973
FACILITY BROOKHAVEN NATIONAL LABORATORY
LOCATION 53 BELL AVENUE, BLDG 464
UPTON, NY 11973
ATTN: MICHAEL HOLLAND, OFFICE MGR

NY0005835			06AM		
PERMIT NUMBER			DISCHARGE NUMBER		
MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	02	01	07	02	28

DMR MAILING ZIP CODE: 11973
MAJOR (SUBR 01)
LINAC NCCW, FLOOR DNS, ETC (HT1)
External Outfall

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	*****	*****		6.7	*****	7.6		0	04/30	GR
00400 1 0 Effluent Gross	PERMIT REQUIREMENT				Req. Min. MINIMUM		9 MAXIMUM	SU		Once Per Month	GRAB
Oil & grease	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.9		0	01/30	GR
00556 1 0 Effluent Gross	PERMIT REQUIREMENT						18 DAILY MAX	mg/L		Once Per Month	GRAB
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	0.038	*****		*****	*****	*****		0	04/30	RC
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Min. DAILY AV.	*****	Mgal/d						Once Per Month	RCORDR

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed	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. 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 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.	DATE		
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 	YEAR 2007	MO 3
		TELEPHONE 631-344-4549		

Comments and Explanation of any violations (Reference all attachments here)
SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS, AND REQUIREMENTS.

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

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

NAME BROOKHAVEN NATIONAL LABORATORY
ADDRESS 53 BELL AVENUE, BLDG 464
UPTON, NY 11973
FACILITY BROOKHAVEN NATIONAL LABORATORY
LOCATION 53 BELL AVENUE, BLDG 464
UPTON, NY 11973
ATTN: MICHAEL HOLLAND, OFFICE MGR

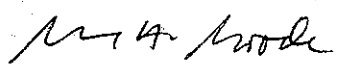
NY0005835	06BM
PERMIT NUMBER	DISCHARGE NUMBER

DMR MAILING ZIP CODE: 11973
MAJOR (SUBR 01)
COOLING TOWR FROM 919 ETC (HT2)
External Outfall

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	02	01	07	02	28

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	*****	*****		6.4	*****	7.4		0	04/30	GR
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		Req. Mon. MINIMUM	*****	9 MAXIMUM	SU		Once Per Month	GRAB
Oil & grease	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.9		0	01/30	GR
00556 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	15 DAILY MX	mg/L		Once Per Month	GRAB
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	0.57	*****		*****	*****	*****		0	04/30	RC
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon DAILY AV	*****	Mgal/d	*****	*****	*****			Once Per Month	RCORDR

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed	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. 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 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.		DATE		
			2007	3	22
			YEAR	MO	DAY
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			TELEPHONE 631-344-4549		

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 FEBRUARY 2007

NONCOMPLIANCE REPORT

SECTION 1



Report of Noncompliance Event

To: DEC Water Contact: R. Sorrentino DEC Region: 1

Report Type: 5-Day Permit Violation Order Violation Anticipated Noncompliance Bypass/Overflow

SECTION 2

SPDES #: NY- 0005835 Facility: U.S. Department of Energy/Brookhaven National Laboratory

Date of noncompliance: 2/5/07 Location (Outfall, Treatment Unit, or Pump Station): 001

Description of noncompliance(s) and cause(s): A 24-hour composite sample was collected on February 5, 2007 from Outfall 001 that had a total nitrogen concentration of 11.6 mg/L, which exceeds the permit limit of 10 mg/L. A second sample collected on February 7, 2007 had similar results (11.4 mg/L). In-house process control sampling and analysis of the effluent indicates that nitrate levels have decreased and that this is not a continuous event. The most likely cause is increased nitrogen loads associated with increased steam condensate releases during cold weather.

Has event ceased? (Yes) (No) If so, when? 2/8/07 Was event due to plant upset? (No) (Yes) SPDES limits violated? (Yes) (No)

Start date, time of event: 2/5/07 | 1035 | (AM) (PM) End date, time of event: 2/8/07 | 0900 | (AM) (PM)

Date, time oral notification made to DEC? _____ (AM) (PM) DEC Official contacted: _____

Immediate corrective actions: None. Due to the lag time between sample collection, analysis, and receipt of results no immediate actions were possible. However, nitrate levels in the plant are measured frequently along with several other parameters that may contribute to the increased levels of nitrogen in the discharge (e.g., oxygen levels, flow, and temperature). Several corrective actions were implemented in Fall 2006 to address the periodic episodes of high nitrogen levels. These corrective actions were summarized in an investigation report that was included in the October 2006 Discharge Monitoring Report.

Preventative (long term) corrective actions: The Laboratory is currently looking into the possibility that the elevated nitrogen levels observed in February were due to increased condensate blow down discharged to the STP (as evidenced by decreased air temperatures and increased influent sewerage temperatures). The condensate blow down contains water treatment chemicals (i.e., amines) that help prevent corrosion of the system. This chemical may contain organic nitrogen that is converted to nitrate during the metabolic processes in the plant. Samples of the condensate are being collected for subsequent nitrogen analyses. Results of this sampling event will be summarized in a future Discharge Monitoring Report.

SECTION 3

Complete this section if event was a bypass: Bypass amount: _____ Was prior DEC authorization received for this event? (Yes) (No)

DEC Official contacted: _____ Date of DEC approval: _____

Describe event in "Description of noncompliance and cause" area in Section 2. Detail the start and end dates and times in Section 2 also.

SECTION 4

Facility Representative: George A. Goode Title: Division Manager Date: 9/26/2006
Phone #: (631) 344-4549 Fax #: (631) 344-7334

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. 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 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.

X George A. Goode
Signature of Principal Executive Officer or Authorized Agent

ATTACHMENT III
BROOKHAVEN NATIONAL LABORATORY
SPDES PERMIT NO. NY0005835
DISCHARGE MONITORING REPORT FOR FEBRUARY 2007
ANALYTICAL RESULTS FROM H2M LABS
AND GENERAL ENGINEERING LABORATORIES, LLC
FOR REGULATORY COMPLIANCE SAMPLES COLLECTED
2/5/07 and 2/7/07
FROM OUTFALL 001

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 FAX: (631) 420-8436 NYSDOHID#10478

LABORATORY RESULTS

Brookhaven National Lab.-BNLS
70 Bell Ave.
Upton, NY 11973
Attn To : Bob Lee

Lab No. : 0702162-001

Sample Information...

Type : Aqueous

Origin:

Client ID. : 23834-001

Collected : 2/5/2007 10:35:00 AM
Received : 2/5/2007 3:11:00 PM
Collected By : CLIENT
Copies To : Original
CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Biochemical Oxygen Demand	< 2		1	mg/L	E405.1	02/07/2007 10:05 AM
Nitrogen, Total	11.6		1	mg/L	M4500-N C	02/12/2007
Nitrogen, Ammonia (As N)	< 0.10		1	mg/L	E350.1	02/14/2007 1:45 PM
Nitrite as N	< 0.01		1	mg/L	E353.2	02/06/2007 10:13 AM
Nitrate as N	10.3		10	mg/L	E353.2	02/07/2007 4:04 PM
Nitrogen, Kjeldahl, Total	1.31		1	mg/L	E351.2	02/10/2007 9:40 AM

Outfall 001
Sampled 2/5/07
24 hour composite

Qualifiers: E - Value above quantitation range
D - Results for Dilution

D.F. = Dilution Factor

Date Reported : 2/19/2007

Joann M. Slavin

Laboratory Manager

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040. FAX: (631) 420-8436 NYS DOH ID# 10478

LABORATORY RESULTS

Brookhaven National Lab.-BNLS
70 Bell Ave.
Upton, NY 11973
Attn To : Bob Lee

Lab No. : 0702274-001

Sample Information...
Type : Aqueous

Origin:

Client ID: 23847-001

Collected : 2/7/2007 10:30:00 AM
Received : 2/7/2007 3:30:00 PM
Collected By CLIENT
Copies To : Original
CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Biochemical Oxygen Demand	< 2		1	mg/L	E405.1	02/08/2007 4:00 PM
Nitrogen, Total	11.4		1	mg/L	M4500-N C	02/12/2007
Nitrogen, Ammonia (As N)	< 0.10		1	mg/L	E350.1	02/14/2007 1:48 PM
Nitrite as N	0.02		1	mg/L	E353.2	02/08/2007 10:00 AM
Nitrate as N	10.0		10	mg/L	E353.2	02/08/2007 12:26 PM
Nitrogen, Kjeldahl, Total	1.44		1	mg/L	E351.2	02/10/2007 9:42 AM

Outfall 001
Sampled 2/7/07
24 hour composite

Qualifiers: E - Value above quantitation range
D - Results for Dilution

D.F. = Dilution Factor

Date Reported : 2/19/2007

Joanna M. Slawin

Laboratory Manager

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

Brookhaven National Lab.-BNLS
70 Bell Ave.
Upton, NY 11973
Attn To : Bob Lee

Lab No. : 0702162-002

Sample Information...

Type: Aqueous

Origin:

Client ID. : 23834-002

Collected : 2/5/2007 1:35:00 PM

Received : 2/5/2007 3:11:00 PM

Collected By CLIENT

Copies To : Original

CC

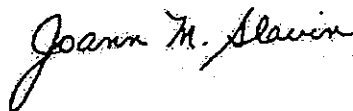
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Fecal Coliform	<2		1	MPN	M9221 C	02/05/2007 3:30 PM

Outfall 001
Sampled 2/3/07
Grab

Qualifiers: E - Value above quantitation range
D - Results for Dilution

D.F. = Dilution Factor

Date Reported : 2/19/2007



Laboratory Manager

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

Brookhaven National Lab.-BNLS
70 Bell Ave.
Upton, NY 11973
Attn To : Bob Lee

Lab No. : 0702274-002

Sample Information...
Type : Aqueous

Origin:

Client ID. : 23847-002

Collected : 2/7/2007 1:30:00 PM
Received : 2/7/2007 3:30:00 PM
Collected By : CLIENT
Copies To : Original
CC

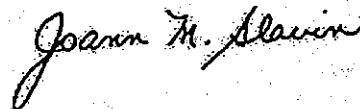
Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Fecal Coliform	< 2		1	MPN	M9221 C	02/07/2007 3:45 PM

Outfall 001
Sampled 2/7/07
Grab

Qualifiers: E - Value above quantitation range
D - Results for Dilution

D.F. = Dilution Factor

Date Reported : 2/19/2007



Laboratory Manager

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040, FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

Brookhaven National Lab.-BNLS
70 Bell Ave.
Upton, NY 11973
Attn To : Bob Lee

Lab No. : 0702162-003

Sample Information...

Type : Aqueous

Origin:

Client ID. : 23834-003

Collected : 2/5/2007 11:15:00 AM
Received : 2/5/2007 3:11:00 PM
Collected By CLIENT
Copies To : Original
CC

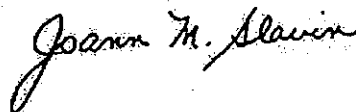
Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Biochemical Oxygen Demand	22		1	mg/L	E405.1	02/07/2007 10:15 AM

STP Influent
Sampled 2/5/07
24 hour composite

Qualifiers: E - Value above quantitation range
D - Results for Dilution

D.F. = Dilution Factor

Date Reported : 2/19/2007



Laboratory Manager

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

Brookhaven National Lab.-BNLS
70 Bell Ave.
Upton, NY 11973
Attn To : Bob Lee

Lab No. : 0702274-003

Sample Information...
Type : Aqueous

Origin:

Client ID : 23847-003

Collected : 2/7/2007 10:55:00 AM
Received : 2/7/2007 3:30:00 PM
Collected By CLIENT
Copies To : Original
CC

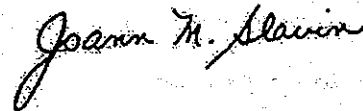
Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Biochemical Oxygen Demand	49		1	mg/L	E405.1	02/08/2007 4:05 PM

STP Influent
Sampled 2/7/07
24 hour composite

Qualifiers: E - Value above quantitation range
D - Results for Dilution

D.F. = Dilution Factor

Date Reported : 2/19/2007



Laboratory Manager

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 180277	Date Collected: 02/05/2007 13:35	Matrix: WATER
Lab Sample ID: 180277002	Date Received: 02/06/2007 09:45	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 23832-002	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 609043	Inst: VOA5.I	Dilution: 1
Run Date: 02/10/2007 06:54	Analyst: DXX1	Purge Vol: 5 mL
Prep Date: 02/10/2007 06:54		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
74-87-3	Chloromethane	U	1.00	ug/L	0.500	1.00
75-01-4	Vinyl chloride	U	1.00	ug/L	0.500	1.00
74-83-9	Bromomethane	U	1.00	ug/L	0.500	1.00
75-00-3	Chloroethane	U	1.00	ug/L	0.500	1.00
75-69-4	Trichlorofluoromethane	U	1.00	ug/L	0.310	1.00
67-64-1	Acetone	U	5.00	ug/L	1.25	5.00
75-05-8	Acetonitrile	U	25.0	ug/L	6.25	25.0
75-35-4	1,1-Dichloroethylene	U	1.00	ug/L	0.300	1.00
75-09-2	Methylene chloride	U	2.00	ug/L	2.00	2.00
1634-04-4	tert-Butyl methyl ether	U	5.00	ug/L	0.250	5.00
156-60-5	trans-1,2-Dichloroethylene	U	1.00	ug/L	0.300	1.00
75-34-3	1,1-Dichloroethane	U	1.00	ug/L	0.300	1.00
78-93-3	2-Butanone	U	5.00	ug/L	1.25	5.00
67-66-3	Chloroform	U	1.00	ug/L	0.250	1.00
71-55-6	1,1,1-Trichloroethane	U	1.00	ug/L	0.300	1.00
56-23-5	Carbon tetrachloride	U	1.00	ug/L	0.250	1.00
107-06-2	1,2-Dichloroethane	U	1.00	ug/L	0.250	1.00
71-43-2	Benzene	U	1.00	ug/L	0.300	1.00
79-01-6	Trichloroethylene	U	1.00	ug/L	0.250	1.00
78-87-5	1,2-Dichloropropane	U	1.00	ug/L	0.250	1.00
75-27-4	Bromodichloromethane	U	1.00	ug/L	0.250	1.00

Outfall 001
Sampled 2/5/07
grab

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 180277	Date Collected: 02/05/2007 13:35	Matrix: WATER
Lab Sample ID: 180277002	Date Received: 02/06/2007 09:45	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 23832-002	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 609043	Inst: VOA5.I	Dilution: 1
Run Date: 02/10/2007 06:54	Analyst: DXK1	Purge Vol: 5 mL
Prep Date: 02/10/2007 06:54		

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
110-75-8	2-Chloroethylvinyl ether	U	5.00	ug/L	1.50	5.00
108-10-1	4-Methyl-2-pentanone	U	5.00	ug/L	1.25	5.00
10061-01-5	cis-1,3-Dichloropropylene	U	1.00	ug/L	0.250	1.00
108-88-3	Toluene	U	1.00	ug/L	0.250	1.00
10061-02-6	trans-1,3-Dichloropropylene	U	1.00	ug/L	0.250	1.00
79-00-5	1,1,2-Trichloroethane	U	1.00	ug/L	0.250	1.00
591-78-6	2-Hexanone	U	5.00	ug/L	1.25	5.00
127-18-4	Tetrachloroethylene	U	1.00	ug/L	0.250	1.00
124-48-1	Dibromochloromethane	U	1.00	ug/L	0.250	1.00
108-90-7	Chlorobenzene	U	1.00	ug/L	0.250	1.00
100-41-4	Ethylbenzene	U	1.00	ug/L	0.250	1.00
75-25-2	Bromoform	U	1.00	ug/L	0.250	1.00
79-34-5	1,1,2,2-Tetrachloroethane	U	1.00	ug/L	0.250	1.00
541-73-1	1,3-Dichlorobenzene	U	1.00	ug/L	0.250	1.00
106-46-7	1,4-Dichlorobenzene	U	1.00	ug/L	0.250	1.00
95-50-1	1,2-Dichlorobenzene	U	1.00	ug/L	0.250	1.00

**Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 180514	Date Collected: 02/07/2007 13:30	Matrix: WATER
Lab Sample ID: 180514002	Date Received: 02/09/2007 09:45	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 23846-002	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 609500	Inst: VOA5.I	Dilution: 1
Run Date: 02/13/2007 03:58	Analyst: DXK1	Purge Vol: 5 mL
Prep Date: 02/13/2007 03:58		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
74-87-3	Chloromethane	U	1.00	ug/L	0.500	1.00
75-01-4	Vinyl chloride	U	1.00	ug/L	0.500	1.00
74-83-9	Bromomethane	U	1.00	ug/L	0.500	1.00
75-00-3	Chloroethane	U	1.00	ug/L	0.500	1.00
75-69-4	Trichlorofluoromethane	U	1.00	ug/L	0.310	1.00
67-64-1	Acetone	U	5.00	ug/L	1.25	5.00
75-05-8	Acetonitrile	U	25.0	ug/L	6.25	25.0
75-35-4	1,1-Dichloroethylene	U	1.00	ug/L	0.300	1.00
75-09-2	Methylene chloride	U	2.00	ug/L	2.00	2.00
1634-04-4	tert-Butyl methyl ether	U	5.00	ug/L	0.250	5.00
156-60-5	trans-1,2-Dichloroethylene	U	1.00	ug/L	0.300	1.00
75-34-3	1,1-Dichloroethane	U	1.00	ug/L	0.300	1.00
78-93-3	2-Butanone	U	5.00	ug/L	1.25	5.00
67-66-3	Chloroform	U	1.00	ug/L	0.250	1.00
71-55-6	1,1,1-Trichloroethane	U	1.00	ug/L	0.300	1.00
56-23-5	Carbon tetrachloride	U	1.00	ug/L	0.250	1.00
107-06-2	1,2-Dichloroethane	U	1.00	ug/L	0.250	1.00
71-43-2	Benzene	U	1.00	ug/L	0.300	1.00
79-01-6	Trichloroethylene	U	1.00	ug/L	0.250	1.00
78-87-5	1,2-Dichloropropane	U	1.00	ug/L	0.250	1.00
75-27-4	Bromodichloromethane	U	1.00	ug/L	0.250	1.00

outfall 001
Sampled 2/7/07
Grab

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 180514	Date Collected: 02/07/2007 13:30	Matrix: WATER
Lab Sample ID: 180514002	Date Received: 02/09/2007 09:45	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 23846-002	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 609500	Inst: VOA5.I	Dilution: 1
Run Date: 02/13/2007 03:58	Analyst: DXX1	Purge Vol: 5 mL
Prep Date: 02/13/2007 03:58		

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
110-75-8	2-Chloroethylvinyl ether	U	5.00	ug/L	1.50	5.00
108-10-1	4-Methyl-2-pentanone	U	5.00	ug/L	1.25	5.00
10061-01-5	cis-1,3-Dichloropropylene	U	1.00	ug/L	0.250	1.00
108-88-3	Toluene	U	1.00	ug/L	0.250	1.00
10061-02-6	trans-1,3-Dichloropropylene	U	1.00	ug/L	0.250	1.00
79-00-5	1,1,2-Trichloroethane	U	1.00	ug/L	0.250	1.00
591-78-6	2-Hexanone	U	5.00	ug/L	1.25	5.00
127-18-4	Tetrachloroethylene	U	1.00	ug/L	0.250	1.00
124-48-1	Dibromochloromethane	U	1.00	ug/L	0.250	1.00
108-90-7	Chlorobenzene	U	1.00	ug/L	0.250	1.00
100-41-4	Ethylbenzene	U	1.00	ug/L	0.250	1.00
75-25-2	Bromoform	U	1.00	ug/L	0.250	1.00
79-34-5	1,1,2,2-Tetrachloroethane	U	1.00	ug/L	0.250	1.00
541-73-1	1,3-Dichlorobenzene	U	1.00	ug/L	0.250	1.00
106-46-7	1,4-Dichlorobenzene	U	1.00	ug/L	0.250	1.00
95-50-1	1,2-Dichlorobenzene	U	1.00	ug/L	0.250	1.00

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 180277

METHOD TYPE: SW846

SAMPLE ID: 180277001

CLIENT ID: 23832-001

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 06-FEB-07

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>MDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	68	ug/L	U		P	68	1	TRACE2	020907-1
7440-36-0	Antimony	7.2	ug/L	B		P	4	1	TRACE2	020907-1
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS5	070208-3
7440-39-3	Barium	14.1	ug/L	B		P	1	1	TRACE2	020907-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	TRACE2	020907-1
7440-43-9	Cadmium	1	ug/L	U		P	1	1	TRACE2	020907-1
7440-70-2	Calcium	21000	ug/L			P	36	1	TRACE2	020907-1
7440-47-3	Chromium	1	ug/L	U		P	1	1	TRACE2	020907-1
7440-48-4	Cobalt	1	ug/L	U		P	1	1	TRACE2	020907-1
7440-50-8	Copper	92.3	ug/L			P	3	1	TRACE2	020907-1
7439-89-6	Iron	216	ug/L			P	18	1	TRACE2	020907-1
7439-92-1	Lead	0.50	ug/L	U		MS	0.5	1	ICPMS5	070208-3
7439-95-4	Magnesium	4480	ug/L	B		P	85	1	TRACE2	020907-1
7439-96-5	Manganese	6.6	ug/L	B		P	2	1	TRACE2	020907-1
7439-97-6	Mercury	0.077	ug/L	B		AV	0.06	1	MER536	022107W1-2
7440-02-0	Nickel	18.3	ug/L	B		P	1	1	TRACE2	020907-1
7440-09-7	Potassium	6360	ug/L			P	50	1	TRACE2	020907-1
7782-49-2	Selenium	2.5	ug/L	U		MS	2.5	1	ICPMS5	070208-3
7440-22-4	Silver	1	ug/L	U		P	1	1	TRACE2	020907-1
7440-23-5	Sodium	63100	ug/L			P	45	1	TRACE2	020907-1
7440-28-0	Thallium	0.570	ug/L	B		MS	0.4	1	ICPMS5	070208-3
7440-62-2	Vanadium	5.9	ug/L	B		P	1	1	TRACE2	020907-1
7440-66-6	Zinc	58.4	ug/L			P	2	1	TRACE2	020907-1

Outfall 001
Sampled 2/5/07
24 hr. composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 180514

METHOD TYPE: SW846

SAMPLE ID: 180514001

CLIENT ID: 23846-001

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 09-FEB-07

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>MDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	68	ug/L	U		P	68	1	TRACE2	021507-1
7440-36-0	Antimony	4	ug/L	U		P	4	1	TRACE2	021507-1
7440-38-2	Arsenic	2.4	ug/L	B		MS	1.5	1	ICPMS6	070213-3
7440-39-3	Barium	13.2	ug/L	B		P	1	1	TRACE2	021507-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	TRACE2	021507-1
7440-43-9	Cadmium	1	ug/L	U		P	1	1	TRACE2	021507-1
7440-70-2	Calcium	18600	ug/L			P	36	1	TRACE2	021507-1
7440-47-3	Chromium	1.1	ug/L	B		P	1	1	TRACE2	021507-1
7440-48-4	Cobalt	1	ug/L	U		P	1	1	TRACE2	021507-1
7440-50-8	Copper	124	ug/L			P	3	1	TRACE2	021507-1
7439-89-6	Iron	278	ug/L			P	18	1	TRACE2	021507-1
7439-92-1	Lead	0.820	ug/L	B		MS	0.5	1	ICPMS6	070213-3
7439-95-4	Magnesium	4120	ug/L	B		P	85	1	TRACE2	021507-1
7439-96-5	Manganese	6.7	ug/L	B		P	2	1	TRACE2	021507-1
7439-97-6	Mercury	0.060	ug/L	U		AV	0.06	1	MER536	022607W2-2
7440-02-0	Nickel	19.4	ug/L	B		P	1	1	TRACE2	021507-1
7440-09-7	Potassium	6410	ug/L			P	50	1	TRACE2	021507-1
7782-49-2	Selenium	2.5	ug/L	U		MS	2.5	1	ICPMS6	070213-3
7440-22-4	Silver	1	ug/L	U		P	1	1	TRACE2	021507-1
7440-23-5	Sodium	59300	ug/L			P	45	1	TRACE2	021507-1
7440-28-0	Thallium	0.510	ug/L	B		MS	0.4	1	ICPMS6	070213-3
7440-62-2	Vanadium	5.2	ug/L	B		P	1	1	TRACE2	021507-1
7440-66-6	Zinc	62	ug/L			P	2	1	TRACE2	021507-1

Outfall 001
Sampled 2/7/07
24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 180277

METHOD TYPE: SW846

SAMPLE ID: 180277003

CLIENT ID: 23832-003

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 06-FEB-07

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>MDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	243	ug/L			P	68	1	TRACE2	020907-1
7440-36-0	Antimony	4	ug/L	U		P	4	1	TRACE2	020907-1
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS5	070208-3
7440-39-3	Barium	67.4	ug/L	B		P	1	1	TRACE2	020907-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	TRACE2	020907-1
7440-43-9	Cadmium	1	ug/L	B		P	1	1	TRACE2	020907-1
7440-70-2	Calcium	12000	ug/L			P	36	1	TRACE2	020907-1
7440-47-3	Chromium	3.9	ug/L	B		P	1	1	TRACE2	020907-1
7440-48-4	Cobalt	1.3	ug/L	B		P	1	1	TRACE2	020907-1
7440-50-8	Copper	256	ug/L			P	3	1	TRACE2	020907-1
7439-89-6	Iron	2030	ug/L			P	18	1	TRACE2	020907-1
7439-92-1	Lead	9.5	ug/L	B		MS	0.5	1	ICPMS5	070208-3
7439-95-4	Magnesium	3570	ug/L	B		P	85	1	TRACE2	020907-1
7439-96-5	Manganese	49.4	ug/L			P	2	1	TRACE2	020907-1
7439-97-6	Mercury	0.410	ug/L			AV	0.06	1	MER536	022107W1-2
7440-02-0	Nickel	22.2	ug/L	B		P	1	1	TRACE2	020907-1
7440-09-7	Potassium	4190	ug/L	B		P	50	1	TRACE2	020907-1
7782-49-2	Selenium	2.5	ug/L	U		MS	2.5	1	ICPMS5	070208-3
7440-22-4	Silver	1.3	ug/L	B		P	1	1	TRACE2	020907-1
7440-23-5	Sodium	47100	ug/L			P	45	1	TRACE2	020907-1
7440-28-0	Thallium	0.40	ug/L	U		MS	0.4	1	ICPMS5	070208-3
7440-62-2	Vanadium	17	ug/L	B		P	1	1	TRACE2	020907-1
7440-66-6	Zinc	127	ug/L			P	2	1	TRACE2	020907-1

STP Influent
Sampled 2/5/07
24 hr. composite

METALS

-1-

INORGANICS ANALYSIS DATA PACKAGE

SDG No: 180514

METHOD TYPE: SW846

SAMPLE ID: 180514003

CLIENT ID: 23846-003

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 09-FEB-07

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>MDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	199	ug/L	B		P	68	1	TRACE2	021507-1
7440-36-0	Antimony	4	ug/L	U		P	4	1	TRACE2	021507-1
7440-38-2	Arsenic	2.1	ug/L	B		MS	1.5	1	ICPMS6	070213-3
7440-39-3	Barium	60.4	ug/L	B		P	1	1	TRACE2	021507-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	TRACE2	021507-1
7440-43-9	Cadmium	1	ug/L	U		P	1	1	TRACE2	021507-1
7440-70-2	Calcium	13400	ug/L			P	36	1	TRACE2	021507-1
7440-47-3	Chromium	2.3	ug/L	B		P	1	1	TRACE2	021507-1
7440-48-4	Cobalt	1.3	ug/L	B		P	1	1	TRACE2	021507-1
7440-50-8	Copper	252	ug/L			P	3	1	TRACE2	021507-1
7439-89-6	Iron	1760	ug/L			P	18	1	TRACE2	021507-1
7439-92-1	Lead	8.8	ug/L	B		MS	0.5	1	ICPMS6	070213-3
7439-95-4	Magnesium	4070	ug/L	B		P	85	1	TRACE2	021507-1
7439-96-5	Manganese	57.1	ug/L			P	2	1	TRACE2	021507-1
7439-97-6	Mercury	0.280	ug/L			AV	0.06	1	MER536	022607W2-2
7440-02-0	Nickel	15.4	ug/L	B		P	1	1	TRACE2	021507-1
7440-09-7	Potassium	8210	ug/L			P	50	1	TRACE2	021507-1
7782-49-2	Selenium	2.5	ug/L	U		MS	2.5	1	ICPMS6	070213-3
7440-22-4	Silver	1	ug/L	U		P	1	1	TRACE2	021507-1
7440-23-5	Sodium	49700	ug/L			P	45	1	TRACE2	021507-1
7440-28-0	Thallium	0.40	ug/L	U		MS	0.4	1	ICPMS6	070213-3
7440-62-2	Vanadium	13.3	ug/L	B		P	1	1	TRACE2	021507-1
7440-66-6	Zinc	130	ug/L			P	2	1	TRACE2	021507-1

STP Influent
 Sampled 2/7/07
 24 hour composite

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Brookhaven National Laboratory
Address : Building 51
Upton, New York 11973--5000

Report Date: February 16, 2007

Contact: Mr. John Burke
Project: ES SPDES--Summary

Client Sample ID: 23832-001
Sample ID: 180277001
Matrix: Water
Collect Date: 05-FEB-07 10:35
Receive Date: 06-FEB-07 09:45
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 23832
Samp Recv.:
Client Desc.: STP Effluent

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Nutrient Analysis Federal											
EPA 365.4 Phosphorus, Total in Phosphorus, Total as P		1.46	0.010	0.050	mg/L	1	KLB	02/15/07	1212	608474	1
Solids Analysis Federal											
EPA 160.2 Total Suspended Liq Total Suspended Solids	U	0.00	1.14	5.00	mg/L		SXS2	02/07/07	0912	608110	2

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
EPA 365.4 Prep	EPA 365.4 Phosphorus, Total in liquid-Fe	AXH3	02/12/07	2039	608473

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 365.4	
2	EPA 160.2	

Outfall 001
Sampled 2/5/07
24 hour composite

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Brookhaven National Laboratory
 Address : Building 51
 Upton, New York 11973--5000

Report Date: February 16, 2007

Contact: Mr. John Burke
 Project: ES SPDES--Summary

Client Sample ID: 23846-001
 Sample ID: 180514001
 Matrix: Water
 Collect Date: 07-FEB-07 10:30
 Receive Date: 09-FEB-07 09:45
 Collector: Client

Project: BRKL00504
 Client ID: BRKL005
 COC: 23846
 Samp Recv.:
 Client Desc.: STP Effluent

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Nutrient Analysis Federal											
EPA 365.4 Phosphorus, Total in Phosphorus, Total as P		1.46	0.010	0.050	mg/L	1	KLB	02/15/07	1148	609425	1
Solids Analysis Federal											
EPA 160.2 Total Suspended Liq Total Suspended Solids	U	0.300	0.570	2.50	mg/L		SXS2	02/13/07	1028	609190	2

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
EPA 365.4 Prep	EPA 365.4 Phosphorus, Total in liquid-Fe	AXH3	02/12/07	2140	609424

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 365.4	
2	EPA 160.2	

outfall 001
 Sampled 2/7/07
 24 hour composite

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Certificate of Analysis

Company : Brookhaven National Laboratory
Address : Building 51
Upton, New York 11973--5000

Report Date: February 16, 2007

Contact: Mr. John Burke
Project: ES SPDES--Summary

Client Sample ID: 23832-002
Sample ID: 180277002
Matrix: Water
Collect Date: 05-FEB-07 13:35
Receive Date: 06-FEB-07 09:45
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 23832
Samp Recv.:
Client Desc.: STP Effluent

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Flow Injection Analysis Federal											
<i>SW9012A Cyanide, Total Federal</i>											
Cyanide, Total	U	1.46	1.50	5.00	ug/L	1	KLP1	02/08/07	1153	608045	I

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 9010B Prep	SW846 9010B Prep	NXM1	02/07/07	1803	608044

The following Analytical Methods were performed

Method	Description	Analyst	Comments
I	SW846 9012A		

Outfall 001
Sampled 2/5/07
Crab

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Company: Brookhaven National Laboratory
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Contact: Mr. John Burke
Project: ES SPDES--Summary

Report Date: February 16, 2007

Client Sample ID:	23846-002	Project:	BRKL00504
Sample ID:	180514002	Client ID:	BRKL005
Matrix:	Water	COC:	23846
Collect Date:	07-FEB-07 13:30	Samp Recv.:	
Receive Date:	09-FEB-07 09:45	Client Desc.:	STP Effluent
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Flow Injection Analysis Federal											
SW9012A Cyanide, Total Federal											
Cyanide, Total	U	-0.703	1.50	5.00	ug/L	1	KLP1	02/13/07	1038	609203	1

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 9010B Prep	SW846 9010B Prep	NXM1	02/12/07	1438	609201

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 9012A	

Outfall 001
Sampled 2/7/07
Grab

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Company : Brookhaven National Laboratory
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Report Date: February 16, 2007

Contact: Mr. John Burke
Project: ES SPDES--Summary

Client Sample ID: 23832-003
Sample ID: 180277003
Matrix: Water
Collect Date: 05-FEB-07 11:15
Receive Date: 06-FEB-07 09:45
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 23832
Samp Recv.:
Client Desc.: STP Influent

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Solids Analysis Federal										
<i>EPA 160.2 Total Suspended Liq</i>										
Total Suspended Solids		34.4	2.28	10.0	mg/L		SXS2 02/07/07	0912	608110	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 160.2	

STP Influent
Sampled 2/5/07
24 hour composite

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Company : Brookhaven National Laboratory
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Contact: Mr. John Burke
Project: ES SPDES--Summary

Report Date: February 16, 2007

Client Sample ID: 23846-003
Sample ID: 180514003
Matrix: Water
Collect Date: 07-FEB-07 10:55
Receive Date: 09-FEB-07 09:45
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 23846
Samp Recv.:
Client Desc.: STP Influent

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Solids Analysis Federal										
<i>EPA 160.2 Total Suspended Liq</i>										
Total Suspended Solids		17.2	1.14	5.00	mg/L		SXS2 02/13/07	1028	609190	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 160.2	

STP Influent
Sampled 2/7/07
24 hour composite

ATTACHMENT IV
BROOKHAVEN NATIONAL LABORATORY
SPDES PERMIT NO. NY0005835
DISCHARGE MONITORING REPORT FOR FEBRUARY 2007
ANALYTICAL RESULTS FROM
GENERAL ENGINEERING LABORATORIES, LLC
FOR REGULATORY COMPLIANCE SAMPLES COLLECTED FROM
OUTFALLS 002, 002B, 005, 006A, 006B, 008, AND 010

GEL LABORATORIES LLC

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Certificate of Analysis

Company : Brookhaven National Laboratory
Address : Building 51
Upton, New York 11973--5000

Report Date: February 14, 2007

Contact: Mr. John Burke
Project: ES SPDES--Summary

Client Sample ID: 23828-003
Sample ID: 180273003
Matrix: Water
Collect Date: 02-FEB-07 14:05
Receive Date: 06-FEB-07 09:45
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 23828
Samp Recv.:
Client Desc.: HN

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Oil & Grease Analysis Federal											
EPA 1664A n-Hexane Extractable Material (Oil and G Oil and Grease	J	1.10	0.880	4.00	mg/L		EXFI	02/13/07	1550	609450	1

The following Analytical Methods were performed

Method	Description	Analyst	Comments
1	EPA 1664A		

Out fall 002 (HN)
Sampled 2/2/07

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Company : Brookhaven National Laboratory
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Report Date: February 14, 2007

Contact: Mr. John Burke
Project: ES SPDES--Summary

Client Sample ID: 23828-005
Sample ID: 180273005
Matrix: Water
Collect Date: 02-FEB-07 14:00
Receive Date: 06-FEB-07 09:45
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 23828
Samp Recv.:
Client Desc.: 1004/1002

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Oil & Grease Analysis Federal											
<i>EPA 1664A n-Hexane Extractable Material (Oil and G</i>											
Oil and Grease	J	1.00	0.880	4.00	mg/L		EXF1	02/13/07	1550	609450	1

The following Analytical Methods were performed

Method	Description	Analyst	Comments
1	EPA 1664A		

Outfall 002B (1002/1004)
Sampled 2/2/07

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Certificate of Analysis

Company : Brookhaven National Laboratory
Address : Building 51
Upton, New York 11973--5000

Report Date: February 14, 2007

Contact: Mr. John Burke
Project: ES SPDES--Summary

Client Sample ID: 23828-004
Sample ID: 180273004
Matrix: Water
Collect Date: 02-FEB-07 15:05
Receive Date: 06-FEB-07 09:45
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 23828
Samp Recv.:
Client Desc.: HS

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Oil & Grease Analysis Federal										
<i>EPA 1664A n-Hexane Extractable Material (Oil and G</i>										
Oil and Grease	U	0.700	0.880	4.00	mg/L		EXF1 02/13/07	1550	609450	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 005 (HS)
sampled 2/2/07

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Company : Brookhaven National Laboratory
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Contact: Mr. John Burke
Project: ES SPDES--Summary

Report Date: February 14, 2007

Client Sample ID: 23828-001
Sample ID: 180273001
Matrix: Water
Collect Date: 02-FEB-07 14:15
Receive Date: 06-FEB-07 09:45
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 23828
Samp Recv.:
Client Desc.: HTW

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Oil & Grease Analysis Federal											
<i>EPA 1664A n-Hexane Extractable Material (Oil and G</i>											
Oil and Grease	J	0.900	0.880	4.00	mg/L		EXF1	02/13/07	1550	609450	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 006A (HT-W)
Sampled 2/2/07

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Report Date: February 14, 2007

Contact: Mr. John Burke
Project: ES SPDES--Summary

Client Sample ID: 23828-002
Sample ID: 180273002
Matrix: Water
Collect Date: 02-FEB-07 14:10
Receive Date: 06-FEB-07 09:45
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 23828
Samp Recv.:
Client Desc.: HTE

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Oil & Grease Analysis Federal											
EPA 1664A n-Hexane Extractable Material (Oil and G											
Oil and Grease	J	0.900	0.880	4.00	mg/L		EXF1	02/13/07	1550	609450	1

The following Analytical Methods were performed

Method	Description	Analyst	Comments
1	EPA 1664A		

Outfall 006B (HT-E)
Sampled 2/2/07

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Certificate of Analysis

Company: Brookhaven National Laboratory
Address: Building 51
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Report Date: February 23, 2007

Contact: Mr. John Burke
Project: ES SPDES--Summary

Client Sample ID: 23870-002
Sample ID: 180852002
Matrix: Water
Collect Date: 14-FEB-07 11:15
Receive Date: 15-FEB-07 10:00
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 23870
Samp Recv.:
Client Desc.: HW

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Oil & Grease Analysis Federal											
<i>EPA 1664A n-Hexane Extractable Material (Oil and G</i>											
Oil and Grease	J	1.30	0.880	4.00	mg/L		EXF1	02/22/07	1527	612057	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 008 (HW)
Sampled 2/14/07

**Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 180852	Date Collected: 02/14/2007 11:15	Matrix: WATER
Lab Sample ID: 180852002	Date Received: 02/15/2007 10:00	
Client Sample: HW	Client: BRKL005	Project: BRKL00504
Client ID: 23870-002	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 610894	Inst: VOA5.I	Dilution: 1
Run Date: 02/19/2007 22:42	Analyst: DXK1	Purge Vol: 5 mL
Prep Date: 02/19/2007 22:42		

CAS No.	Parname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	RDL
74-87-3	Chloromethane	U	1.00	ug/L	0.500	1.00	
75-01-4	Vinyl chloride	U	1.00	ug/L	0.500	1.00	
74-83-9	Bromomethane	U	1.00	ug/L	0.500	1.00	
75-00-3	Chloroethane	U	1.00	ug/L	0.500	1.00	
75-69-4	Trichlorofluoromethane	U	1.00	ug/L	0.310	1.00	
75-05-8	Acetonitrile	U	25.0	ug/L	6.25	25.0	
75-35-4	1,1-Dichloroethylene	U	1.00	ug/L	0.300	1.00	
75-09-2	Methylene chloride	U	2.00	ug/L	2.00	2.00	5.00
1634-04-4	tert-Butyl methyl ether	U	5.00	ug/L	0.250	5.00	
156-60-5	trans-1,2-Dichloroethylene	U	1.00	ug/L	0.300	1.00	
75-34-3	1,1-Dichloroethane	U	1.00	ug/L	0.300	1.00	
67-66-3	Chloroform	U	1.00	ug/L	0.250	1.00	
71-55-6	1,1,1-Trichloroethane	U	1.00	ug/L	0.300	1.00	
56-23-5	Carbon tetrachloride	U	1.00	ug/L	0.250	1.00	
107-06-2	1,2-Dichloroethane	U	1.00	ug/L	0.250	1.00	
71-43-2	Benzene	U	1.00	ug/L	0.300	1.00	
79-01-6	Trichloroethylene	U	1.00	ug/L	0.250	1.00	
78-87-5	1,2-Dichloropropane	U	1.00	ug/L	0.250	1.00	
75-27-4	Bromodichloromethane	U	1.00	ug/L	0.250	1.00	
110-75-8	2-Chloroethylvinyl ether	U	5.00	ug/L	1.50	5.00	
10061-01-5	cis-1,3-Dichloropropylene	U	1.00	ug/L	0.250	1.00	

*Outfall 008 (HW)
Sampled 2/14/07*

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 180852	Date Collected: 02/14/2007 11:15	Matrix: WATER
Lab Sample ID: 180852002	Date Received: 02/15/2007 10:00	
Client Sample: HW	Client: BRKL005	Project: BRKL00504
Client ID: 23870-002	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 610894	Inst: VOAS.I	Dilution: 1
Run Date: 02/19/2007 22:42	Analyst: DXKI	Purge Vol: 5 mL
Prep Date: 02/19/2007 22:42		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	RDL
108-88-3	Toluene	U	1.00	ug/L	0.250	1.00	
10061-02-6	trans-1,3-Dichloropropylene	U	1.00	ug/L	0.250	1.00	
79-00-5	1,1,2-Trichloroethane	U	1.00	ug/L	0.250	1.00	
127-18-4	Tetrachloroethylene	U	1.00	ug/L	0.250	1.00	
124-48-1	Dibromochloromethane	U	1.00	ug/L	0.250	1.00	
108-90-7	Chlorobenzene	U	1.00	ug/L	0.250	1.00	
100-41-4	Ethylbenzene	U	1.00	ug/L	0.250	1.00	
75-25-2	Bromoform	U	1.00	ug/L	0.250	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	U	1.00	ug/L	0.250	1.00	
541-73-1	1,3-Dichlorobenzene	U	1.00	ug/L	0.250	1.00	
106-46-7	1,4-Dichlorobenzene	U	1.00	ug/L	0.250	1.00	
95-50-1	1,2-Dichlorobenzene	U	1.00	ug/L	0.250	1.00	

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Certificate of Analysis

Company : Brookhaven National Laboratory
Address : Building 51
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Report Date: February 23, 2007

Contact: Mr. John Burke
Project: **ES SPDES--Summary**

Client Sample ID: 23870-003
Sample ID: 180852003
Matrix: Water
Collect Date: 14-FEB-07 10:25
Receive Date: 15-FEB-07 10:00
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 23870
Samp Recv.:
Client Desc.: CSF - Outfall

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Oil & Grease Analysis Federal											
<i>EPA 1664A n-Hexane Extractable Material (Oil and G</i>											
Oil and Grease	J	1.06	1.04	4.71	mg/L		EXF1	02/22/07	1704	612057	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 010 (CSF)
Sampled 2/14/07