



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

December 19, 2007

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

Gentlemen:

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

In accordance with our SPDES Permit (NY-0005835), enclosed as Attachment I, please find the DMR for the month of November 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.

Review of the analytical data shows that all parameters met their respective SPDES effluent limitations this reporting period.

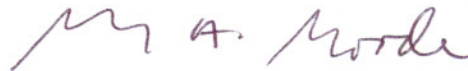
Collection and analysis of these samples are performed in accordance with the BNL Quality Assurance (QA) Program that specifies the standard operating procedures for collection and analysis of samples, QA data requirements, validation of contractor analytical data, and QA inspections performed periodically 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 November 2007.



Registered to
ISO 14001

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 November 2007.

Attachment II: Analytical Results from H2M Labs Inc. and General Engineering Laboratories, LLC for samples collected on 11/5/07 and 11/7/07 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
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 November 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.

ATTACHMENT I

BROOKHAVEN NATIONAL LABORATORY

SPDES PERMIT NO. NY0005835

**BNL's APPROVED COMPUTER GENERATED
DISCHARGE MONITORING REPORT FOR NOVEMBER 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

Page 1

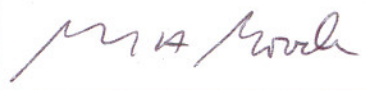
NY0005835	002B
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	11	01	07	11	30

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	*****	*****		7.4	*****	7.4		0	01/30	GR
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		Req. Mon. MINIMUM	*****	9 MAXIMUM	SU		Once Per Month	GRAB
Oil & grease	SAMPLE MEASUREMENT	*****	*****		*****	*****	<1.6		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	*****	0.0005		*****	*****	*****		0	04/30	RC
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	Req. Mon. DAILY MX	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	12	19
			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.

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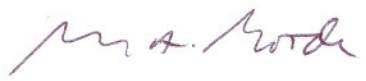
NY0005835	001M
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	11	01	07	11	30

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	*****	*****		*****	*****	63		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	*****	*****		6.1	*****	6.7		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	*****	*****		*****	0.9	1.1		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	*****	*****		*****	*****	10		0	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	*****	*****		*****	*****	0.2		0	02/30	24
00610 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	2 DAILY MX	mg/L		Once Per Month	COMP24

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		2007	12	19
		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)

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)**

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

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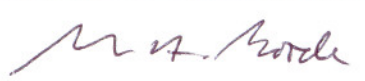
NY0005835	001M
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	11	01	07	11	30

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	*****	*****		*****	*****	1.4		0	02/30	24
00665 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	Req. 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	*****	*****		*****	*****	100 DAILY MX	ug/L		Twice Per Month	GRAB
Copper, total (as Cu)	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.067		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	*****	*****		*****	*****	0.16		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)	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.0006		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)	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.0098		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)	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.0011		0	02/30	24
01077 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	0.015 DAILY MX	mg/L		Once Per Month	COMP24

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			2007	12	19
			YEAR	MO	DAY
			TELEPHONE		
			631-344-4549		

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

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

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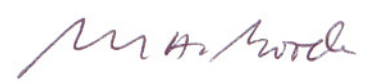
NY0005835	001M
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	11	01	07	11	30

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	*****	*****		*****	*****	0.07		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	0.31	0.39		*****	*****	*****		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	*****	*****		*****	*****	0.00004		0	02/30	24
71900 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	0.0008 DAILY MX	mg/L		Once Per Month	COMP24
SEE N OTE #1											
Coliform, fecal general	SAMPLE MEASUREMENT	*****	*****		*****	<2	<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	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	12	19
			631-344-4549		

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

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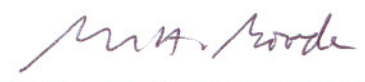
NY0005835	001M
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	11	01	07	11	30

No Discharge

PARAMETER		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	*****	*****		>97	*****	*****		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	*****	*****		>99	*****	*****		0	01/30	CA
81011 K 0 Percent Removal	PERMIT REQUIREMENT	*****	*****		85 MO AV MN	*****	*****	%		Once Per Month	CALCTD

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

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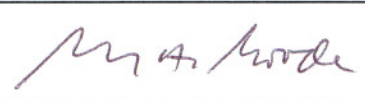
NY0005835	002M
PERMIT NUMBER	DISCHARGE NUMBER

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	11	01	07	11	30

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH 00400 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		7.4	*****	7.6		0	04/30	GR
	PERMIT REQUIREMENT	*****	*****		Req. Mon. MINIMUM	*****	9 MAXIMUM	SU		Once Per Month	GRAB
Oil & grease 00556 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		*****	*****	<1.6		0	01/30	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	15 DAILY MX	mg/L		Once Per Month	GRAB
Flow, in conduit or thru treatment plant 50050 1 0 Effluent Gross	SAMPLE MEASUREMENT	0.17	*****		*****	*****	*****		0	04/30	RC
	PERMIT REQUIREMENT	Req. Mon. DAILY AV	*****	Mgal/d	*****	*****	*****			Once Per Month	RCORDR

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			2007	12	19
			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. SAMPLING FOR THIS OUTFALL SHALL BE CONDUCTED AT A LOCTION DOWNSTREAM OF WHERE EXISTING DISCHARGE MIXES WITH THE COOLING TOWER BLOWDOWN FROM THE STAR DETECTOR.

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

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 ATTN: MICHAEL HOLLAND, OFFICE MGR

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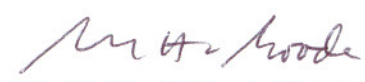
NY0005835	005M
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	11	01	07	11	30

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	*****	7.7		0	04/30	GR
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		Req. Mon. MINIMUM	*****	8.5 MAXIMUM	SU		Once Per Month	GRAB
Oil & grease	SAMPLE MEASUREMENT	*****	*****		*****	*****	<1.6		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	0.15	*****		*****	*****	*****		0	04/30	RC
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. 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	12	19
		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

Page 8

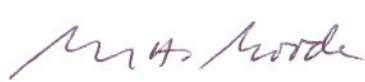
NY0005835	007M
PERMIT NUMBER	DISCHARGE NUMBER

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	11	01	07	11	30

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	*****	200000	*****	*****	*****	*****		0	20/30	IN
00056 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	Req. Mon. DAILY MX	gal/d	*****	*****	*****			Once Per Month	INSTAN
pH	SAMPLE MEASUREMENT	*****	*****	*****	7.0	*****	7.0		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	12	19
			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.

Page 8

**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

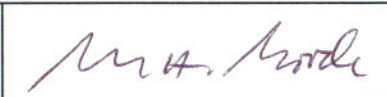
NY0005835	008M
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	11	01	07	11	30

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 00056 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	140600		*****	*****	*****		0	01/30	IN
	PERMIT REQUIREMENT	*****	Req. Mon. DAILY MX	gal/d	*****	*****	*****			Once Per Month	INSTAN
pH 00400 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		7.3	*****	7.3		0	01/30	GR
	PERMIT REQUIREMENT	*****	*****		Req. Mon. MINIMUM	*****	8.5 MAXIMUM	SU		Once Per Month	GRAB
Oil & grease 00556 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		*****	*****	<1.6		0	01/30	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	15 DAILY MX	mg/L		Once Per Month	GRAB
1, 1 - Dichloroethylene 34501 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		*****	*****	<1		0	01/30	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	5 DAILY MX	ug/L		Once Per Month	GRAB
1, 1, 1 - Trichloroethane 34506 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		*****	*****	<1		0	01/30	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	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	12	19
			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)
 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)

Page 10

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

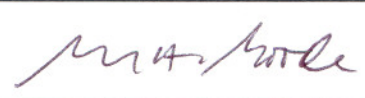
NY0005835	010M
PERMIT NUMBER	DISCHARGE NUMBER

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	11	01	07	11	30

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	*****	97700		*****	*****	*****		0	01/30	IN
00056 1 0 Effluent Gross		*****	Req. Mon. DAILY MX	gal/d	*****	*****	*****			Once Per Month	INSTAN
pH		*****	*****		7.5	*****	7.5		0	01/30	GR
00400 1 0 Effluent Gross		*****	*****		Req. Mon. MINIMUM	*****	8.5 MAXIMUM	SU		Once Per Month	GRAB
Oil & grease		*****	*****		*****	*****	<1.6		0	01/30	GR
00556 1 0 Effluent Gross		*****	*****		*****	*****	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.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	DATE					
			2007	12	19	YEAR	MO	DAY
			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

Page 11

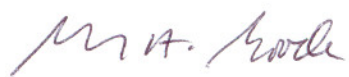
NY0005835	06AM
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	11	01	07	11	30

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH 00400 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		7.5	*****	7.8		0	04/30	GR
	PERMIT REQUIREMENT	*****	*****		Req. Mon. MINIMUM	*****	9 MAXIMUM	SU		Once Per Month	GRAB
Oil & grease 00556 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		*****	*****	<1.6		0	01/30	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	15 DAILY MX	mg/L		Once Per Month	GRAB
Flow, in conduit or thru treatment plant 50050 1 0 Effluent Gross	SAMPLE MEASUREMENT	0.05	*****		*****	*****	*****		0	04/30	RC
	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	12	19
			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.

**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

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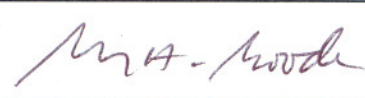
NY0005835	06BM
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	11	01	07	11	30

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	*****	*****		7.6	*****	7.8		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	*****	*****		*****	*****	<1.6		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	0.005	*****		*****	*****	*****		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.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	DATE		
			2007	12	19
			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 NOVEMBER 2007

ANALYTICAL RESULTS FROM H2M LABS

AND GENERAL ENGINEERING LABORATORIES, LLC

FOR REGULATORY COMPLIANCE SAMPLES COLLECTED

11/5/07 and 11/7/07

FROM OUTFALL 001

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. : 0712708-001

Sample Information...
Type : Aqueous

Origin:

Client ID. : 24933-001

Collected : 11/5/2007 11:20:00 AM
Received : 11/5/2007 3:15:00 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	11/07/2007 9:12 AM
Nitrogen, Total	10		1	mg/L	M4500-N C	11/12/2007
Nitrogen, Ammonia (As N)	< 0.10		1	mg/L	E350.1	11/14/2007 9:26 AM
Nitrite as N	0.01		1	mg/L	E353.2	11/06/2007 2:59 PM
Nitrate as N	9.69		20	mg/L	E353.2	11/08/2007 11:30 AM
Nitrogen, Kjeldahl, Total	0.37		1	mg/L	E351.2	11/09/2007 12:39 PM

Outfall 001
Sampled 11/5/07
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 11/20/2007

Joann M. Slavine

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. : 0712786-001

Sample Information...
Type : Aqueous

Origin:

Client ID. : 24952-001

Collected : 11/7/2007 10:25:00 AM
Received : 11/7/2007 3:25:00 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	11/08/2007 9:00 AM
Nitrogen, Total	9.8		1	mg/L	M4500-N C	11/12/2007
Nitrogen, Ammonia (As N)	0.22		1	mg/L	E350.1	11/14/2007 9:29 AM
Nitrite as N	0.01		1	mg/L	E353.2	11/08/2007 1:09 PM
Nitrate as N	9.37		10	mg/L	E353.2	11/08/2007 11:34 AM
Nitrogen, Kjeldahl, Total	0.48		1	mg/L	E351.2	11/09/2007 10:19 AM

Outfall 001
Sampled 11/7/07
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 11/20/2007

Joann M. Slavin

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. : 0712708-002

Sample Information...
Type : Aqueous

Origin:

Client ID. : 24933-002

Collected : 11/5/2007 1:30:00 PM
Received : 11/5/2007 3:15:00 PM
Collected By : CLIENT
Copies To : Original
CC

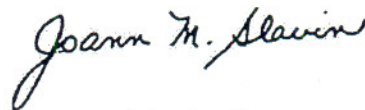
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	2		1	MPN	M9221 BC	11/05/2007 3:30 PM
Fecal Coliform	< 2		1	MPN	M9221 BC	11/05/2007 3:30 PM

Outfall 001
Sampled 11/5/07
Grab

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

D.F. = Dilution Factor

Date Reported : 11/20/2007



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. : 0712786-002

Sample Information...
Type : Aqueous

Origin:

Client ID. : 24952-002

Collected : 11/7/2007 1:30:00 PM
Received : 11/7/2007 3:25:00 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>
Total Coliform	< 2		1	MPN	M9221 BC	11/07/2007 3:45 PM
Fecal Coliform	< 2		1	MPN	M9221 BC	11/07/2007 3:45 PM

Outfall 001
Sampled 11/7/07
Grab

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

D.F. = Dilution Factor

Date Reported : 11/20/2007

Joann M. Slavin

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. : 0712708-003

Sample Information...
Type : Aqueous

Origin:

Client ID. : 24933-003

Collected : 11/5/2007 11:35:00 AM
Received : 11/5/2007 3:15:00 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>
Biochemical Oxygen Demand	49		1	mg/L	E405.1	11/07/2007 9:18 AM

*STP Influent
Sampled 11/5/07
24 hour composite*

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

D.F. = Dilution Factor

Date Reported : 11/20/2007

Joann M. Slavin

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. : 0712786-003

Sample Information...
Type : Aqueous

Origin:

Client ID. : 24952-003

Collected : 11/7/2007 10:35:00 AM
Received : 11/7/2007 3:25:00 PM
Collected By CLIENT
Copies To : Original
CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Biochemical Oxygen Demand	69		1	mg/L	E405.1	11/08/2007 9:03 AM

STP Influent
Sampled 11/7/07
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 11/20/2007

Joann M. Slavin

Laboratory Manager

**Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 197109	Date Collected: 11/05/2007 13:30	Matrix: WATER
Lab Sample ID: 197109002	Date Received: 11/06/2007 09:25	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 24932-002	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 701007	Inst: VOA9.I	Dilution: 1
Run Date: 11/10/2007 16:07	Analyst: GRB2	Purge Vol: 5 mL
Prep Date: 11/10/2007 16:07		
Data File: 9j628.d	Column: RTX-Volatiles	Level: LOW

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	J	1.53	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
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

STP outfall
Sampled 11/5/07

**Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 197255	Date Collected: 11/07/2007 13:30	Matrix: WATER
Lab Sample ID: 197255002	Date Received: 11/08/2007 09:15	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 24951-002	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 701007	Inst: VOA9.I	Dilution: 1
Run Date: 11/10/2007 18:26	Analyst: GRB2	Purge Vol: 5 mL
Prep Date: 11/10/2007 18:26		
Data File: 9j633.d	Column: RTX-Volatiles	Level: LOW

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
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

*Outfall 001
Sampled 11/7/07*

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 197109

METHOD TYPE: SW846

SAMPLE ID: 197109001

CLIENT ID: 24932-001

CONTRACT: BRKL00504

MATRIX:W

DATE RECEIVED 06-NOV-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	OPTIMA1	111407B-2
7440-36-0	Antimony	3.6	ug/L	B		P	3	1	OPTIMA1	111407B-2
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS6	071114-3
7440-39-3	Barium	16.4	ug/L	B		P	1	1	OPTIMA1	111407B-2
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA1	111407B-2
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA1	111407B-2
7440-70-2	Calcium	13800	ug/L			P	30	1	OPTIMA1	111407B-2
7440-47-3	Chromium	1	ug/L	U		P	1	1	OPTIMA1	111407B-2
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA1	111407B-2
7440-50-8	Copper	66.6	ug/L			P	3	1	OPTIMA1	111407B-2
7439-89-6	Iron	164	ug/L			P	25	1	OPTIMA1	111407B-2
7439-92-1	Lead	0.530	ug/L	B		MS	0.5	1	ICPMS6	071114-3
7439-95-4	Magnesium	3840	ug/L	B		P	85	1	OPTIMA1	111407B-2
7439-96-5	Manganese	2	ug/L	U		P	2	1	OPTIMA1	111407B-2
7439-97-6	Mercury	0.041	ug/L	B		AV	0.03	1	MER536	112807W1-1
7440-02-0	Nickel	9.8	ug/L	B		P	1	1	OPTIMA1	111407B-2
7440-09-7	Potassium	5940	ug/L			P	50	1	OPTIMA1	111407B-2
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS6	071114-3
7440-22-4	Silver	1	ug/L	U		P	1	1	OPTIMA1	111407B-2
7440-23-5	Sodium	37200	ug/L			P	45	1	OPTIMA1	111407B-2
7440-28-0	Thallium	0.880	ug/L	B		MS	0.3	1	ICPMS6	071114-6
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA1	111407B-2
7440-62-2	Vanadium	3.7	ug/L	B		P	1	1	OPTIMA1	111407B-2
7440-66-6	Zinc	55.9	ug/L			P	2	1	OPTIMA1	111407B-2

Outfall 001
Sampled 11/5/07
24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 197255

METHOD TYPE: SW846

SAMPLE ID: 197255001

CLIENT ID: 24951-001

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 08-NOV-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	OPTIMA1	111407B-2
7440-36-0	Antimony	4.4	ug/L	B		P	3	1	OPTIMA1	111407B-2
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS6	071114-3
7440-39-3	Barium	15.7	ug/L	B		P	1	1	OPTIMA1	111407B-2
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA1	111407B-2
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA1	111407B-2
7440-70-2	Calcium	13100	ug/L			P	30	1	OPTIMA1	111407B-2
7440-47-3	Chromium	1	ug/L	U		P	1	1	OPTIMA1	111407B-2
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA1	111407B-2
7440-50-8	Copper	53.2	ug/L			P	3	1	OPTIMA1	111407B-2
7439-89-6	Iron	102	ug/L			P	25	1	OPTIMA1	111407B-2
7439-92-1	Lead	0.580	ug/L	B		MS	0.5	1	ICPMS6	071114-3
7439-95-4	Magnesium	3610	ug/L	B		P	85	1	OPTIMA1	111407B-2
7439-96-5	Manganese	2	ug/L	U		P	2	1	OPTIMA1	111407B-2
7439-97-6	Mercury	0.030	ug/L	U		AV	0.03	1	MER536	112807W1-1
7440-02-0	Nickel	8.9	ug/L	B		P	1	1	OPTIMA1	111407B-2
7440-09-7	Potassium	5050	ug/L		E	P	50	1	OPTIMA1	111407B-2
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS6	071114-3
7440-22-4	Silver	1.1	ug/L	B		P	1	1	OPTIMA1	111407B-2
7440-23-5	Sodium	32900	ug/L			P	45	1	OPTIMA1	111407B-2
7440-28-0	Thallium	0.30	ug/L	U		MS	0.3	1	ICPMS6	071115-4
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA1	111407B-2
7440-62-2	Vanadium	3.9	ug/L	B		P	1	1	OPTIMA1	111407B-2
7440-66-6	Zinc	65	ug/L			P	2	1	OPTIMA1	111407B-2

Outfall 001,
sampled 11/7/07
24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 197109

METHOD TYPE: SW846

SAMPLE ID: 197109003

CLIENT ID: 24932-003

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 06-NOV-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	69.8	ug/L	B		P	68	1	OPTIMA1	111407B-2
7440-36-0	Antimony	3	ug/L	U		P	3	1	OPTIMA1	111407B-2
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS6	071114-3
7440-39-3	Barium	36.7	ug/L	B		P	1	1	OPTIMA1	111407B-2
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA1	111407B-2
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA1	111407B-2
7440-70-2	Calcium	11300	ug/L			P	30	1	OPTIMA1	111407B-2
7440-47-3	Chromium	1.6	ug/L	B		P	1	1	OPTIMA1	111407B-2
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA1	111407B-2
7440-50-8	Copper	62.2	ug/L			P	3	1	OPTIMA1	111407B-2
7439-89-6	Iron	946	ug/L			P	25	1	OPTIMA1	111407B-2
7439-92-1	Lead	7.2	ug/L	B		MS	0.5	1	ICPMS6	071114-3
7439-95-4	Magnesium	3250	ug/L	B		P	85	1	OPTIMA1	111407B-2
7439-96-5	Manganese	47	ug/L			P	2	1	OPTIMA1	111407B-2
7439-97-6	Mercury	0.030	ug/L	U		AV	0.03	1	MER536	112807W1-1
7440-02-0	Nickel	5.3	ug/L	B		P	1	1	OPTIMA1	111407B-2
7440-09-7	Potassium	3380	ug/L	B		P	50	1	OPTIMA1	111407B-2
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS6	071114-3
7440-22-4	Silver	1	ug/L	U		P	1	1	OPTIMA1	111407B-2
7440-23-5	Sodium	30700	ug/L			P	45	1	OPTIMA1	111407B-2
7440-28-0	Thallium	0.30	ug/L	U		MS	0.3	1	ICPMS6	071114-6
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA1	111407B-2
7440-62-2	Vanadium	1.7	ug/L	B		P	1	1	OPTIMA1	111407B-2
7440-66-6	Zinc	49.6	ug/L			P	2	1	OPTIMA1	111407B-2

*STP Influent
sampled 11/5/07
24 hour composite*

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 197255

METHOD TYPE: SW846

SAMPLE ID: 197255003

CLIENT ID: 24951-003

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 08-NOV-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	345	ug/L			P	68	1	OPTIMA1	111407B-2
7440-36-0	Antimony	3.1	ug/L	B		P	3	1	OPTIMA1	111407B-2
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS6	071114-3
7440-39-3	Barium	75.9	ug/L	B		P	1	1	OPTIMA1	111407B-2
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA1	111407B-2
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA1	111407B-2
7440-70-2	Calcium	12400	ug/L			P	30	1	OPTIMA1	111407B-2
7440-47-3	Chromium	3	ug/L	B		P	1	1	OPTIMA1	111407B-2
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA1	111407B-2
7440-50-8	Copper	293	ug/L			P	3	1	OPTIMA1	111407B-2
7439-89-6	Iron	2000	ug/L			P	25	1	OPTIMA1	111407B-2
7439-92-1	Lead	24	ug/L			MS	0.5	1	ICPMS6	071114-3
7439-95-4	Magnesium	3370	ug/L	B		P	85	1	OPTIMA1	111407B-2
7439-96-5	Manganese	57.4	ug/L			P	2	1	OPTIMA1	111407B-2
7439-97-6	Mercury	0.170	ug/L	B		AV	0.03	1	MER536	112807W1-1
7440-02-0	Nickel	11.2	ug/L	B		P	1	1	OPTIMA1	111407B-2
7440-09-7	Potassium	6260	ug/L		E	P	50	1	OPTIMA1	111407B-2
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS6	071114-3
7440-22-4	Silver	1	ug/L	U		P	1	1	OPTIMA1	111407B-2
7440-23-5	Sodium	31600	ug/L			P	45	1	OPTIMA1	111407B-2
7440-28-0	Thallium	0.30	ug/L	U		MS	0.3	1	ICPMS6	071115-4
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA1	111407B-2
7440-62-2	Vanadium	6	ug/L	B		P	1	1	OPTIMA1	111407B-2
7440-66-6	Zinc	211	ug/L			P	2	1	OPTIMA1	111407B-2

STP Influent
Sampled 11/7/07
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

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

Report Date: November 27, 2007

Client Sample ID: 24932-001	Project: BRKL00504
Sample ID: 197109001	Client ID: BRKL005
Matrix: Water	COC: 24932
Collect Date: 05-NOV-07 11:20	Samp Recv.: Client Desc.: STP Effluent
Receive Date: 06-NOV-07 09:25	
Collector: Client	

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Nutrient Analysis Federal										
<i>EPA 365.4 Phosphorus, Total in</i>										
Phosphorus, Total as P		1.38	0.024	0.050	mg/L	1	AXH3 11/09/07	1315	699707	1
Solids Analysis Federal										
<i>EPA 160.2 Total Suspended Liq</i>										
Total Suspended Solids	U	-0.20	1.14	5.00	mg/L		NXM 11/07/07	1016	699835	2
										1

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	SXK1	11/07/07	1849	699705

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 365.4	
2	EPA 160.2	

Outfall 001
 Sampled 11/5/07
 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: November 28, 2007

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

Client Sample ID: 24951-001
 Sample ID: 197255001
 Matrix: Water
 Collect Date: 07-NOV-07 10:25
 Receive Date: 08-NOV-07 09:15
 Collector: Client

Project: BRKL00504
 Client ID: BRKL005
 COC: 24951
 Samp Recv.:
 Client Desc.: STP Effluent

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Nutrient Analysis Federal											
<i>EPA 365.4 Phosphorus, Total in</i>											
Phosphorus, Total as P		1.15	0.024	0.050	mg/L	1	AXH3	11/12/07	0928	700549	1
Solids Analysis Federal											
<i>EPA 160.2 Total Suspended Liq</i>											
Total Suspended Solids	J	0.700	0.570	2.50	mg/L		NXM	11/09/07	1140	700485	2
											1

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	SXK1	11/09/07	1422	700548

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 365.4	
2	EPA 160.2	

Outfall 001
 Sampled 11/7/07
 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: November 27, 2007

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

Client Sample ID: 24932-002
Sample ID: 197109002
Matrix: Water
Collect Date: 05-NOV-07 13:30
Receive Date: 06-NOV-07 09:25
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 24932
Samp Recv.:
Client Desc.: STP Effluent

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Flow Injection Analysis Federal										
<i>SW9012A Cyanide, Total Federal</i>										
Cyanide, Total	U	-4.79	1.50	5.00	ug/L	1	KLP1 11/12/07	1036	700595	1

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 9010B Prep	SW846 9010B Prep	AXS5	11/09/07	1122	700592

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 9012A	

Outfall 001
Sampled 11/5/07
Grab

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Company : Brookhaven National Laboratory
Address : Building 51
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Contact: Mr. John Burke
Project: **ES SPDES--Summary**

Report Date: November 28, 2007

Client Sample ID:	24951-002	Project:	BRKL00504
Sample ID:	197255002	Client ID:	BRKL005
Matrix:	Water	COC:	24951
Collect Date:	07-NOV-07 13:30	Samp Recv.:	
Receive Date:	08-NOV-07 09:15	Client Desc.:	STP Effluent
Collector:	Client		

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	-4.81	1.50	5.00	ug/L	1	KLP1	11/12/07	1147	700595	1

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 9010B Prep	SW846 9010B Prep	AXS5	11/09/07	1122	700592

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 9012A	

Outfall 001
Sampled 11/7/07
Grab

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Report Date: November 27, 2007

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

Client Sample ID: 24932-003
Sample ID: 197109003
Matrix: Water
Collect Date: 05-NOV-07 11:35
Receive Date: 06-NOV-07 09:25
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 24932
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		50.6	3.17	13.9	mg/L		NXM 11/07/07	1016	699835	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 160.2	

STP Influent
Sampled 11/5/07
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: November 28, 2007

Client Sample ID: 24951-003
Sample ID: 197255003
Matrix: Water
Collect Date: 07-NOV-07 10:35
Receive Date: 08-NOV-07 09:15
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 24951
Samp Recv.:
Client Desc.: STP Influent

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Solids Analysis Federal											
<i>EPA 160.2 Total Suspended Liq</i>											
Total Suspended Solids		129	6.71	29.4	mg/L		NXM	11/09/07	1140	700485	1
											1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 160.2	

STP Influent
Sampled 11/7/07
24 hour composite

ATTACHMENT III

BROOKHAVEN NATIONAL LABORATORY

SPDES PERMIT NO. NY0005835

DISCHARGE MONITORING REPORT FOR NOVEMBER 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
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Report Date: November 28, 2007

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

Client Sample ID: 24937-008
Sample ID: 197190008
Matrix: Water
Collect Date: 06-NOV-07 11:27
Receive Date: 07-NOV-07 09:15
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 24937
Samp Recv.:
Client Desc.: HN

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	0.678	1.58	5.65	mg/L		JXT1 11/08/07	1313	700153	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 002 (HN)
Sampled 11/6/07

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Company : Brookhaven National Laboratory
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Report Date: November 28, 2007

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

Client Sample ID: 24937-005
Sample ID: 197190005
Matrix: Water
Collect Date: 06-NOV-07 11:22
Receive Date: 07-NOV-07 09:15
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 24937
Samp Recv.:
Client Desc.: 1004/1002

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	1.13	1.58	5.65	mg/L	JXT1	11/08/07	1313	700153	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 002B (1004/1002)
sampled 11/6/07

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Certificate of Analysis

Company : Brookhaven National Laboratory
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Report Date: November 28, 2007

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

Client Sample ID: 24937-009
Sample ID: 197190009
Matrix: Water
Collect Date: 06-NOV-07 10:55
Receive Date: 07-NOV-07 09:15
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 24937
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	1.13	1.58	5.65	mg/L	JXT1	11/08/07	1313	700153	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 005 (HS)
sampled 11/6/07

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Report Date: November 28, 2007

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

Client Sample ID: 24937-006
Sample ID: 197190006
Matrix: Water
Collect Date: 06-NOV-07 11:35
Receive Date: 07-NOV-07 09:15
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 24937
Samp Recv.:
Client Desc.: HT-W

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	0.904	1.58	5.65	mg/L		JXT1 11/08/07	1313	700153	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 006A (HT-W)
sampled 11/6/07

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Company : Brookhaven National Laboratory
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Report Date: November 28, 2007

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

Client Sample ID: 24937-007
Sample ID: 197190007
Matrix: Water
Collect Date: 06-NOV-07 11:30
Receive Date: 07-NOV-07 09:15
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 24937
Samp Recv.:
Client Desc.: HT-E

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	U	1.02	1.58	5.65	mg/L		JXT1	11/08/07	1313	700153	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 006B (HT-E)
Sampled 11/6/07

**Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 197190	Date Collected: 11/06/2007 10:50	Matrix: WATER
Lab Sample ID: 197190002	Date Received: 11/07/2007 09:15	
Client Sample: HW	Client: BRKL005	Project: BRKL00504
Client ID: 24937-002	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 701007	Inst: VOA9.I	Dilution: 1
Run Date: 11/10/2007 17:58	Analyst: GRB2	Purge Vol: 5 mL
Prep Date: 11/10/2007 17:58		
Data File: 9j632.d	Column: RTX-Volatiles	Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	RDL
74-87-3	Chloromethane	U	1.00	ug/L	0.500	1.00	10.0
75-01-4	Vinyl chloride	U	1.00	ug/L	0.500	1.00	10.0
74-83-9	Bromomethane	U	1.00	ug/L	0.500	1.00	10.0
75-00-3	Chloroethane	U	1.00	ug/L	0.500	1.00	10.0
75-69-4	Trichlorofluoromethane	U	1.00	ug/L	0.310	1.00	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	5.00
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	10.0
156-60-5	trans-1,2-Dichloroethylene	U	1.00	ug/L	0.300	1.00	5.00
75-34-3	1,1-Dichloroethane	U	1.00	ug/L	0.300	1.00	5.00
67-66-3	Chloroform	U	1.00	ug/L	0.250	1.00	5.00
71-55-6	1,1,1-Trichloroethane	U	1.00	ug/L	0.300	1.00	5.00
56-23-5	Carbon tetrachloride	U	1.00	ug/L	0.250	1.00	5.00
107-06-2	1,2-Dichloroethane	U	1.00	ug/L	0.250	1.00	5.00
71-43-2	Benzene	U	1.00	ug/L	0.300	1.00	5.00
79-01-6	Trichloroethylene	U	1.00	ug/L	0.250	1.00	5.00
78-87-5	1,2-Dichloropropane	U	1.00	ug/L	0.250	1.00	5.00
75-27-4	Bromodichloromethane	U	1.00	ug/L	0.250	1.00	5.00
110-75-8	2-Chloroethylvinyl ether	U	5.00	ug/L	1.50	5.00	10.0
10061-01-5	cis-1,3-Dichloropropylene	U	1.00	ug/L	0.250	1.00	5.00
108-88-3	Toluene	U	1.00	ug/L	0.250	1.00	5.00
10061-02-6	trans-1,3-Dichloropropylene	U	1.00	ug/L	0.250	1.00	5.00
79-00-5	1,1,2-Trichloroethane	U	1.00	ug/L	0.250	1.00	5.00
127-18-4	Tetrachloroethylene	U	1.00	ug/L	0.250	1.00	5.00
124-48-1	Dibromochloromethane	U	1.00	ug/L	0.250	1.00	5.00
108-90-7	Chlorobenzene	U	1.00	ug/L	0.250	1.00	5.00
100-41-4	Ethylbenzene	U	1.00	ug/L	0.250	1.00	5.00
75-25-2	Bromoform	U	1.00	ug/L	0.250	1.00	5.00
79-34-5	1,1,2,2-Tetrachloroethane	U	1.00	ug/L	0.250	1.00	5.00
541-73-1	1,3-Dichlorobenzene	U	1.00	ug/L	0.250	1.00	5.00
106-46-7	1,4-Dichlorobenzene	U	1.00	ug/L	0.250	1.00	5.00
95-50-1	1,2-Dichlorobenzene	U	1.00	ug/L	0.250	1.00	5.00

*Outfall 008 (AW)
Sampled 11/6/07*

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Certificate of Analysis

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

Report Date: November 28, 2007

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

Client Sample ID: 24937-002
Sample ID: 197190002
Matrix: Water
Collect Date: 06-NOV-07 10:50
Receive Date: 07-NOV-07 09:15
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 24937
Samp Recv.:
Client Desc.: HW

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	1.13	1.58	5.65	mg/L	JXT1	11/08/07	0838	700153	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 008 (HW)
sampled 11/6/07

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Certificate of Analysis

Company : Brookhaven National Laboratory
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Report Date: November 28, 2007

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

Client Sample ID: 24937-003
Sample ID: 197190003
Matrix: Water
Collect Date: 06-NOV-07 10:31
Receive Date: 07-NOV-07 09:15
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 24937
Samp Recv.:
Client Desc.: CSF Outfall

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	1.24	1.58	5.65	mg/L	JXT1	11/08/07	0838	700153	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 010(CSF)
Sampled 11/6/07