



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

August 21, 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 July 2007**

In accordance with our SPDES permit (NY-0005835), enclosed as Attachment I, please find the DMR for the month of July 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 other parameters met their respective SPDES effluent limitations this reporting period.

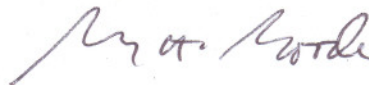
Collection and analysis of these samples are performed in accordance with the BNL Quality Assurance (QA) Program that specifies the standard operating procedures for collection and analysis of samples, QA data requirements, validation of contractor analytical data, and QA inspections performed periodically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

Attachment II: Analytical Results from H2M Labs Inc. and General Engineering Laboratories, LLC for samples collected on 7/6/07 and 7/9/07 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	W. Chaloupka, w/ all Attachments
	G. Goode, w/o Attachments	G. Granzen, w/ all Attachments
	M. Holland, w/o Attachments	C. Johnson, w/o Attachments
	C. Kao, w/ all Attachments	R. Lee, w/ all Attachments
	E. Lessard, w/ all Attachments	D. Lowenstein, w/o Attachments
	E. Murphy, w/ all Attachments	V. Radeka, w/ all Attachments
	J. Remien, w/ all Attachments	E. Governale, SCDHS, w/ Attachment I
	R. Sorrentino, NYSDEC, 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 July 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 JULY 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)

Page 1

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

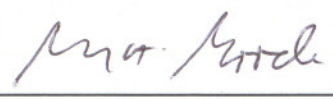
NY0005835	002B
PERMIT NUMBER	DISCHARGE NUMBER

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	07	01	07	07	31

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	01/30	GR
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		Req. Mon. MINIMUM	*****	9 MAXIMUM	SU		Once Per Month	GRAB
Oil & grease	SEE NOTE #1 SAMPLE MEASUREMENT	*****	*****		*****	*****	3.4		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	SEE NOTE #3 SAMPLE MEASUREMENT	*****	0.0002		*****	*****	*****		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	08	22
		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)**

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

Page 2

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	07	01	07	07	31

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	*****	*****		*****	*****	77		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	*****	*****		6.3	*****	7.1		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	*****	*****		*****	<0.58	<0.59		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	*****	*****		*****	*****	7.4		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 08 22		
		YEAR MO DAY		
		TELEPHONE		
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		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
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 LOCATION 53 BELL AVENUE, BLDG 464
 UPTON, NY 11973
 ATTN: MICHAEL HOLLAND, OFFICE MGR

Page 3

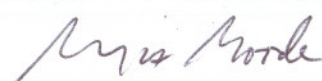
NY0005835	001M
PERMIT NUMBER	DISCHARGE NUMBER

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	07	01	07	07	31

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	*****	*****		*****	*****	1.8		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	*****	*****		*****	*****	0.079		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	*****	*****		*****	*****	0.26		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	*****	*****		*****	*****	0.0013		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	*****	*****		*****	*****	0.015		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

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		2007 08 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)

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 SP 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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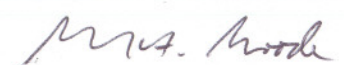
NY0005835	001M
PERMIT NUMBER	DISCHARGE NUMBER

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	07	01	07	07	31

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	*****	*****		*****	*****	0.04		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	0.42	0.82		*****	*****	*****		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	*****	*****		*****	*****	0.00008		0	02/30	24
71900 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	0.0008 DAILY MX	mg/L		Once Per Month	COMP24
SEE NOTE #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		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	08	22
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 EXFILTR FROM SFBS. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS, AND REQUIREMENTS.

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

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ATTN: MICHAEL HOLLAND, OFFICE MGR

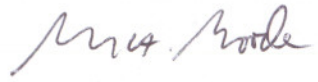
NY0005835	001M
PERMIT NUMBER	DISCHARGE NUMBER

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	07	01	07	07	31

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	*****	*****		>96	*****	*****		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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			2007	08	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)

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Page 6

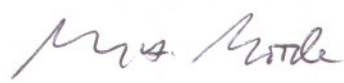
NY0005835	002M
PERMIT NUMBER	DISCHARGE NUMBER

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	07	01	07	07	31

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	*****	7.3		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	*****	*****		*****	*****	2.0		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	0.03	*****		*****	*****	*****		0	04/30	RC
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	*****	Mgal/d	*****	*****	*****			Once Per Month	RCORDR

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			2007	08	26
		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.

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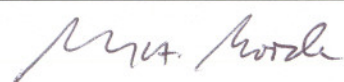
NY0005835	005M
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	07	01	07	07	31

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	*****	8.4		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	*****	*****		*****	*****	2.7		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	0.26	*****		*****	*****	*****		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	07	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.

**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

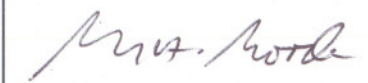
NY0005835	007M
PERMIT NUMBER	DISCHARGE NUMBER

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	07	01	07	07	31

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	*****	240000	*****	*****	*****	*****		0	16/30	IN
00056 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	Req. Mon. DAILY MX	gal/d	*****	*****	*****			Once Per Month	INSTAN
pH	SAMPLE MEASUREMENT	*****	*****	*****	7.9	*****	7.9		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.		DATE		
			2007	08	22
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	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

Page 9

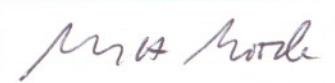
NY0005835	008M
PERMIT NUMBER	DISCHARGE NUMBER

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	07	01	07	07	31

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	*****	3300000		*****	*****	*****		0	01/30	IN
00056 1 0 Effluent Gross		PERMIT REQUIREMENT	*****	Req. Mon. DAILY MX	gal/d	*****	*****	*****			Once Per Month	INSTAN
pH		SAMPLE MEASUREMENT	*****	*****		7.2	*****	7.2		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	*****	*****		*****	*****	3.4		0	01/30	GR
00556 1 0 Effluent Gross		PERMIT REQUIREMENT	*****	*****		*****	*****	15 DAILY MX	mg/L		Once Per Month	GRAB
1, 1 - Dichloroethylene		SAMPLE MEASUREMENT	*****	*****		*****	*****	<1		0	01/30	GR
34501 1 0 Effluent Gross		PERMIT REQUIREMENT	*****	*****		*****	*****	5 DAILY MX	ug/L		Once Per Month	GRAB
1, 1, 1 - Trichloroethane		SAMPLE MEASUREMENT	*****	*****		*****	*****	<1		0	01/30	GR
34506 1 0 Effluent Gross		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.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	DATE		
			2007	08	22
			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 10


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	07	01	07	07	31

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	*****	115000		*****	*****	*****		0	01/30	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	*****	8.5 MAXIMUM	SU		Once Per Month	GRAB
Oil & grease	SEE NOTE #1	SAMPLE MEASUREMENT	*****	*****		*****	*****	2.3		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	08	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

Page 11

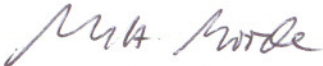
NY0005835	06AM
PERMIT NUMBER	DISCHARGE NUMBER

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	07	01	07	07	31

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	*****	*****		7.5	*****	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	*****	*****		*****	*****	2.5		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	0.11	*****		*****	*****	*****		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	08	22
			YEAR	MO	DAY
			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

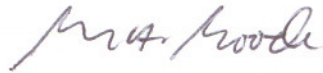
NY0005835	06BM
PERMIT NUMBER	DISCHARGE NUMBER

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	07	01	07	07	31

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	*****	*****		7.5	*****	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	*****	*****		*****	*****	2.6		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	0.14	*****		*****	*****	*****		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	08	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 JULY 2007

ANALYTICAL RESULTS FROM H2M LABS

AND GENERAL ENGINEERING LABORATORIES, LLC

FOR REGULATORY COMPLIANCE SAMPLES COLLECTED

7/6/07 and 7/9/07

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. : 0707830-001

Sample Information...
Type : Aqueous

Origin:

Client ID. : 24419-001

Collected : 7/6/2007 10:15:00 AM
Received : 7/6/2007 3:15:00 PM
Collected By Client
Copies To : Original
CC

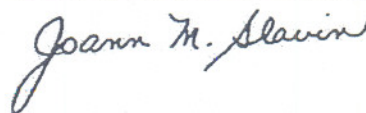
Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Biochemical Oxygen Demand	< 2		1	mg/L	E405.1	07/06/2007 6:05 PM
Nitrogen, Total	7.4		1	mg/L	M4500-N C	07/13/2007
Nitrogen, Ammonia (As N)	0.15		1	mg/L	E350.1	07/10/2007 2:50 PM
Nitrite as N	< 0.01		1	mg/L	E353.2	07/07/2007 10:01 AM
Nitrate as N	6.48		10	mg/L	E353.2	07/11/2007 12:46 PM
Nitrogen, Kjeldahl, Total	0.90		1	mg/L	E351.2	07/13/2007 10:14 AM

Outfall 001
Sampled 7/6/07
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 7/17/2007



Laboratory Manager

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. : 0707898-001

Sample Information...
Type : Aqueous

Origin:

Client ID. : 24430-001

Collected : 7/9/2007 11:25:00 AM
Received : 7/9/2007 3:20:00 PM
Collected By Client
Copies To : Original
CC

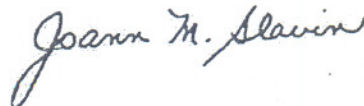
Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Biochemical Oxygen Demand	< 2		1	mg/L	E405.1	07/11/2007 11:20 AM
Nitrogen, Total	6.7		1	mg/L	M4500-N C	07/13/2007
Nitrogen, Ammonia (As N)	0.19		1	mg/L	E350.1	07/10/2007 2:53 PM
Nitrite as N	< 0.01		1	mg/L	E353.2	07/10/2007 12:06 PM
Nitrate as N	5.82		10	mg/L	E353.2	07/11/2007 12:52 PM
Nitrogen, Kjeldahl, Total	0.91		1	mg/L	E351.2	07/13/2007 10:17 AM

Outfall 001
Sampled 7/9/07
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 7/17/2007



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. : 0707830-002

Sample Information...
Type : Aqueous

Origin:

Client ID. : 24419-002

Collected : 7/6/2007 1:20:00 PM
Received : 7/6/2007 3:15:00 PM
Collected By Client
Copies To : Original
CC

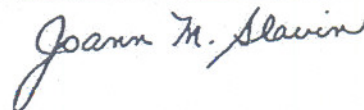
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Fecal Coliform	< 2		1	MPN	M9221 C	07/06/2007 4:15 PM

Outfall 001
Sampled 7/6/07
Grab

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

D.F. = Dilution Factor

Date Reported : 7/17/2007



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. : 0707898-002

Sample Information...
Type : Aqueous

Origin:

Client ID. : 24430-002

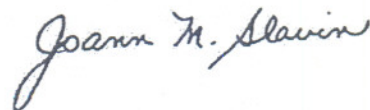
Collected : 7/9/2007 1:40:00 PM
Received : 7/9/2007 3:20:00 PM
Collected By Client
Copies To : Original
CC

<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	07/09/2007 4:15 PM

Outfall 001
Sampled 7/9/07
Grab

Qualifiers: E - Value above quantitation range
D - Results for Dilution
D.F. = Dilution Factor

Date Reported : 7/17/2007



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. : 0707830-003

Sample Information...
Type : Aqueous

Origin:

Client ID. : 24419-003

Collected : 7/6/2007 10:45:00 AM
Received : 7/6/2007 3:15:00 PM
Collected By Client
Copies To : Original
CC

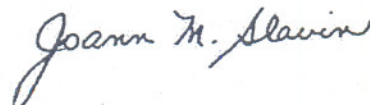
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Biochemical Oxygen Demand	41		1	mg/L	E405.1	07/06/2007 6:15 PM

STP Influent
Sampled 7/6/07
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 7/17/2007



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. : 0707898-003

Sample Information...
Type : Aqueous

Origin:

Client ID. : 24430-003

Collected : 7/9/2007 11:35:00 AM
Received : 7/9/2007 3:20:00 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	07/11/2007 11:25 AM

STP Influent
Sampled 7/9/07
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 7/17/2007

Joann M. Slavin

Laboratory Manager

Volatile
Certificate of Analysis
Sample Summary

Page 1 of 1

SDG Number: 189169	Date Collected: 07/06/2007 13:20	Matrix: WATER
Lab Sample ID: 189169002	Date Received: 07/07/2007 09:15	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 24420-002	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 649833	Inst: VOA5.I	Dilution: 1
Run Date: 07/11/2007 07:33	Analyst: DXK1	Purge Vol: 5 mL
Prep Date: 07/11/2007 07:33		
Data File: 5r244.d	Column: DB-624	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 7/6/07
@rab

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 189287	Date Collected: 07/09/2007 13:40	Matrix: WATER
Lab Sample ID: 189287002	Date Received: 07/10/2007 10:00	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 24429-002	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 649833	Inst: VOA5.I	Dilution: 1
Run Date: 07/11/2007 08:48	Analyst: DXK1	Purge Vol: 5 mL
Prep Date: 07/11/2007 08:48		
Data File: 5r247.d	Column: DB-624	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	2.30	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 7/9/07
Grab

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 189169

METHOD TYPE: SW846

SAMPLE ID: 189169001

CLIENT ID: 24420-001

CONTRACT: BRKL00504

MATRIX:W

DATE RECEIVED 07-JUL-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	071007A-2
7440-36-0	Antimony	4	ug/L	U		P	4	1	OPTIMA1	071007A-2
7440-38-2	Arsenic	1.9	ug/L	B		MS	1.5	1	ICPMS5	070711-4
7440-39-3	Barium	16.1	ug/L	B		P	1	1	OPTIMA1	071007A-2
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA1	071007A-2
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA1	071007A-2
7440-70-2	Calcium	13100	ug/L			P	36	1	OPTIMA1	071007A-2
7440-47-3	Chromium	1	ug/L	U		P	1	1	OPTIMA1	071007A-2
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA1	071007A-2
7440-50-8	Copper	79	ug/L			P	3	1	OPTIMA1	071007A-2
7439-89-6	Iron	261	ug/L			P	18	1	OPTIMA1	071007A-2
7439-92-1	Lead	1.3	ug/L	B		MS	0.5	1	ICPMS5	070711-3
7439-95-4	Magnesium	3480	ug/L	B		P	85	1	OPTIMA1	071007A-2
7439-96-5	Manganese	3.3	ug/L	B		P	2	1	OPTIMA1	071007A-2
7439-97-6	Mercury	0.030	ug/L	U		AV	0.03	1	MER536	072507W1-1
7440-02-0	Nickel	14.9	ug/L	B		P	1	1	OPTIMA1	071007A-2
7440-09-7	Potassium	5470	ug/L			P	50	1	OPTIMA1	071007A-2
7782-49-2	Selenium	2.5	ug/L	U		MS	2.5	1	ICPMS5	070711-4
7440-22-4	Silver	1.4	ug/L	B		P	1	1	OPTIMA1	071007A-2
7440-23-5	Sodium	36400	ug/L			P	45	1	OPTIMA1	071007A-2
7440-28-0	Thallium	0.40	ug/L	U		MS	0.4	1	ICPMS5	070711-3
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA1	071007A-2
7440-62-2	Vanadium	5.1	ug/L	B		P	1	1	OPTIMA1	071007A-2
7440-66-6	Zinc	39	ug/L			P	2	1	OPTIMA1	071007A-2

Outfall 001
Sampled 7/6/07
24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 189287

METHOD TYPE: SW846

SAMPLE ID: 189287001

CLIENT ID: 24429-001

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 10-JUL-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	072407-1
7440-36-0	Antimony	3	ug/L	U		P	3	1	TRACE2	072407-1
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS6	070724-4
7440-39-3	Barium	16.1	ug/L	B		P	1	1	TRACE2	072407-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	TRACE2	072407-1
7440-43-9	Cadmium	1	ug/L	U		P	1	1	TRACE2	072407-1
7440-70-2	Calcium	12300	ug/L			P	30	1	TRACE2	072407-1
7440-47-3	Chromium	1.2	ug/L	B		P	1	1	TRACE2	072407-1
7440-48-4	Cobalt	1	ug/L	U		P	1	1	TRACE2	072407-1
7440-50-8	Copper	58.4	ug/L			P	3	1	TRACE2	072407-1
7439-89-6	Iron	158	ug/L			P	25	1	TRACE2	072407-1
7439-92-1	Lead	0.890	ug/L	B		MS	0.5	1	ICPMS6	070724-4
7439-95-4	Magnesium	3360	ug/L	B		P	85	1	TRACE2	072407-1
7439-96-5	Manganese	3.2	ug/L	B		P	2	1	TRACE2	072407-1
7439-97-6	Mercury	0.081	ug/L	B		AV	0.03	1	MER179	072507W2-3
7440-02-0	Nickel	13.8	ug/L	B		P	1	1	TRACE2	072407-1
7440-09-7	Potassium	5420	ug/L			P	50	1	TRACE2	072407-1
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS6	070724-4
7440-22-4	Silver	1.4	ug/L	B		P	1	1	TRACE2	072407-1
7440-23-5	Sodium	34800	ug/L			P	45	1	TRACE2	072607-2
7440-28-0	Thallium	0.520	ug/L	B		MS	0.3	1	ICPMS6	070724-4
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	TRACE2	072407-1
7440-62-2	Vanadium	10.9	ug/L	B		P	1	1	TRACE2	072407-1
7440-66-6	Zinc	35.5	ug/L			P	2	1	TRACE2	072407-1

outfall 001
sampled 7/9/07
24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 189169

METHOD TYPE: SW846

SAMPLE ID: 189169003

CLIENT ID: 24420-003

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 07-JUL-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	203	ug/L			P	68	1	OPTIMA1	071007A-2
7440-36-0	Antimony	4	ug/L	U		P	4	1	OPTIMA1	071007A-2
7440-38-2	Arsenic	2.2	ug/L	B		MS	1.5	1	ICPMS5	070711-4
7440-39-3	Barium	51.7	ug/L	B		P	1	1	OPTIMA1	071007A-2
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA1	071007A-2
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA1	071007A-2
7440-70-2	Calcium	9470	ug/L			P	36	1	OPTIMA1	071007A-2
7440-47-3	Chromium	1.3	ug/L	B		P	1	1	OPTIMA1	071007A-2
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA1	071007A-2
7440-50-8	Copper	152	ug/L			P	3	1	OPTIMA1	071007A-2
7439-89-6	Iron	2030	ug/L			P	18	1	OPTIMA1	071007A-2
7439-92-1	Lead	21.9	ug/L			MS	0.5	1	ICPMS5	070711-3
7439-95-4	Magnesium	3170	ug/L	B		P	85	1	OPTIMA1	071007A-2
7439-96-5	Manganese	57.1	ug/L			P	2	1	OPTIMA1	071007A-2
7439-97-6	Mercury	0.590	ug/L			AV	0.03	1	MER536	072507W1-1
7440-02-0	Nickel	6.4	ug/L	B		P	1	1	OPTIMA1	071007A-2
7440-09-7	Potassium	5840	ug/L			P	50	1	OPTIMA1	071007A-2
7782-49-2	Selenium	2.5	ug/L	U		MS	2.5	1	ICPMS5	070711-4
7440-22-4	Silver	1	ug/L	U		P	1	1	OPTIMA1	071007A-2
7440-23-5	Sodium	28600	ug/L			P	45	1	OPTIMA1	071007A-2
7440-28-0	Thallium	0.40	ug/L	U		MS	0.4	1	ICPMS5	070711-3
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA1	071007A-2
7440-62-2	Vanadium	2.2	ug/L	B		P	1	1	OPTIMA1	071007A-2
7440-66-6	Zinc	158	ug/L			P	2	1	OPTIMA1	071007A-2

STP Influent
Sampled 7/6/07
24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 189287

METHOD TYPE: SW846

SAMPLE ID: 189287003

CLIENT ID: 24429-003

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 10-JUL-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	436	ug/L			P	68	1	TRACE2	072407-1
7440-36-0	Antimony	3	ug/L	U		P	3	1	TRACE2	072407-1
7440-38-2	Arsenic	2.2	ug/L	B		MS	1.5	1	ICPMS6	070724-4
7440-39-3	Barium	70.2	ug/L	B		P	1	1	TRACE2	072407-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	TRACE2	072407-1
7440-43-9	Cadmium	1	ug/L	U		P	1	1	TRACE2	072407-1
7440-70-2	Calcium	10600	ug/L			P	30	1	TRACE2	072407-1
7440-47-3	Chromium	3.9	ug/L	B		P	1	1	TRACE2	072407-1
7440-48-4	Cobalt	1	ug/L	U		P	1	1	TRACE2	072407-1
7440-50-8	Copper	623	ug/L			P	3	1	TRACE2	072407-1
7439-89-6	Iron	2650	ug/L			P	25	1	TRACE2	072407-1
7439-92-1	Lead	28.8	ug/L			MS	0.5	1	ICPMS6	070724-4
7439-95-4	Magnesium	3930	ug/L	B		P	85	1	TRACE2	072407-1
7439-96-5	Manganese	58.4	ug/L			P	2	1	TRACE2	072407-1
7439-97-6	Mercury	0.370	ug/L			AV	0.03	1	MER179	072507W2-3
7440-02-0	Nickel	10.9	ug/L	B		P	1	1	TRACE2	072407-1
7440-09-7	Potassium	4630	ug/L	B		P	50	1	TRACE2	072407-1
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS6	070724-4
7440-22-4	Silver	2.9	ug/L	B		P	1	1	TRACE2	072407-1
7440-23-5	Sodium	33600	ug/L			P	45	1	TRACE2	072607-2
7440-28-0	Thallium	0.30	ug/L	U		MS	0.3	1	ICPMS6	070724-4
7440-31-5	Tin	5.6	ug/L	B		P	2.5	1	TRACE2	072407-1
7440-62-2	Vanadium	6.8	ug/L	B		P	1	1	TRACE2	072407-1
7440-66-6	Zinc	228	ug/L			P	2	1	TRACE2	072407-1

STP Influent
Sampled 7/9/07
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: July 18, 2007

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

Client Sample ID: 24420-001
Sample ID: 189169001
Matrix: Water
Collect Date: 06-JUL-07 10:15
Receive Date: 07-JUL-07 09:15
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 24420
Samp Recv.:
Client Desc.: STP Effluent

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		1.76	0.024	0.050	mg/L	1	AXH3 07/10/07	1046	649362	1
Solids Analysis Federal										
<i>EPA 160.2 Total Suspended Liq</i>										
Total Suspended Solids	U	0.100	0.570	2.50	mg/L		NXM 07/11/07	1156	649256	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	BXM1	07/09/07	2217	649361

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 365.4	
2	EPA 160.2	

Outfall 001
sampled 7/6/07
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: July 23, 2007

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

Client Sample ID: 24429-001
 Sample ID: 189287001
 Matrix: Water
 Collect Date: 09-JUL-07 11:25
 Receive Date: 10-JUL-07 10:00
 Collector: Client

Project: BRKL00504
 Client ID: BRKL005
 COC: 24429
 Samp Recv.:
 Client Desc.: STP Effluent

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		1.54	0.024	0.050	mg/L	1	AXH3 07/13/07	0931	649765	1
Solids Analysis Federal										
<i>EPA 160.2 Total Suspended Liq</i>										
Total Suspended Solids	U	0.206	0.588	2.58	mg/L		NXM 07/11/07	1143	649961	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	BXM1	07/12/07	2014	649764

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 365.4	
2	EPA 160.2	

Outfall 001
 Sampled 7/9/07
 24 hour composite

GEL LABORATORIES LLC

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Certificate of Analysis

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

Report Date: July 18, 2007

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

Client Sample ID: 24420-002
Sample ID: 189169002
Matrix: Water
Collect Date: 06-JUL-07 13:20
Receive Date: 07-JUL-07 09:15
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 24420
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	0.846	1.50	5.00	ug/L	1	KLP1	07/10/07	1436	649243	1

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 9010B Prep	SW846 9010B Prep	NXM1	07/09/07	1608	649238

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 9012A	

Outfall 001
sampled 7/6/07
Grab

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Certificate of Analysis

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

Report Date: July 23, 2007

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

Client Sample ID: 24429-002
Sample ID: 189287002
Matrix: Water
Collect Date: 09-JUL-07 13:40
Receive Date: 10-JUL-07 10:00
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 24429
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	0.282	1.50	5.00	ug/L	1	KLP1 07/13/07	1054	649915	1

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 9010B Prep	SW846 9010B Prep	KXL2	07/12/07	1808	649914

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 9012A	

Outfall 001
Sampled 7/9/07
Grab

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Company : Brookhaven National Laboratory
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Report Date: July 18, 2007

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

Client Sample ID: 24420-003
Sample ID: 189169003
Matrix: Water
Collect Date: 06-JUL-07 10:45
Receive Date: 07-JUL-07 09:15
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 24420
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		72.0	5.70	25.0	mg/L		NXM 07/11/07	1156	649256	1
							1			

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 160.2	

STP Influent
Sampled 7/6/07
24 hour composite

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Company : Brookhaven National Laboratory
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Report Date: July 23, 2007

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

Client Sample ID: 24429-003
Sample ID: 189287003
Matrix: Water
Collect Date: 09-JUL-07 11:35
Receive Date: 10-JUL-07 10:00
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 24429
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		82.7	7.60	33.3	mg/L		NXM 07/11/07	1143	649961	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 160.2	

STP Influent
Sampled 7/9/07
24 hour composite

ATTACHMENT III

BROOKHAVEN NATIONAL LABORATORY

SPDES PERMIT NO. NY0005835

DISCHARGE MONITORING REPORT FOR JULY 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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Contact: Mr. John Burke
Project: ES SPDES--Summary

Report Date: July 31, 2007

Client Sample ID:	24431-003	Project:	BRKL00504
Sample ID:	189335003	Client ID:	BRKL005
Matrix:	Water	COC:	24431
Collect Date:	10-JUL-07 10:33	Samp Recv.:	
Receive Date:	11-JUL-07 09:15	Client Desc.:	HN
Collector:	Client		

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	J	2.00	0.880	4.00	mg/L		EXF1 07/25/07	0834	653823	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 002 (HN)
Sampled 7/10/07

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Certificate of Analysis

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

OUT Fall 002 B
Sampled 7/18/07
 Report Date: August 3, 2007

Client Sample ID: 24422-001	Project: BRKL00504
Sample ID: 189894001	Client ID: BRKL005
Matrix: Water	COC: 24422
Collect Date: 18-JUL-07 12:30	Samp Recv.:
Receive Date: 19-JUL-07 09:30	Client Desc.: BLDG 1004/1002
Collector: Client	

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Flow Injection Analysis Federal											
<i>EPA 420.2 Phenols, Total Liquid</i>											
Total Phenol	U	-0.00033	0.00165	0.010	mg/l	1	KLP1	08/01/07	1134	654896	1
<i>SW9012A Cyanide, Total Federal</i>											
Cyanide, Total	U	-2.32	1.50	5.00	ug/L	1	KLP1	08/01/07	1001	654301	2
Ion Chromatography Federal											
<i>EPA300.0 Bromide Liquid Fed</i>											
Bromide	U	0.00	0.066	0.200	mg/L	1	RXM1	08/02/07	1218	653710	3
Chloride		9.87	0.066	1.00	mg/L	1					
Sulfate		11.2	0.100	5.00	mg/L	1					
Nutrient Analysis Federal											
<i>EPA 365.4 Phosphorus, Total in</i>											
Phosphorus, Total as P		0.051	0.024	0.050	mg/L	1	AXH3	07/20/07	1051	652579	4
Oil & Grease Analysis Federal											
<i>EPA 1664A n-Hexane Extractable Material (Oil and G</i>											
Oil and Grease	J	3.41	1.04	4.71	mg/L		EXF1	07/31/07	0856	655420	5
Solids Analysis Federal											
<i>EPA 160.2 Total Suspended Liq</i>											
Total Suspended Solids	U	0.800	1.14	5.00	mg/L		SXS2	07/25/07	1059	652900	6
Spectrometric Analysis Federal											
<i>EPA 376.2 Sulfide Liquid Federal</i>											
Total Sulfide	U	0.00449	0.030	0.100	mg/L	1	BXM2	07/20/07	1900	652968	7
Titration Analysis Federal											
<i>EPA 130.2 Total Hardness Federal</i>											
Hardness as CaCO3		18.6	1.00	2.00	mg/L		BXM2	07/30/07	1419	653552	8
<i>EPA 377.1 Sulfite Liquid Feder</i>											
Sulfite	HU	0.00	2.00	2.00	mg/L		AXC2	07/19/07	1926	652753	9

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	BXM1	07/19/07	1926	652578
EPA 420.2 Prep	EPA 420.2 Phenols, Total in liquid-Fed P	KXL2	07/31/07	1653	654893
SW846 9010B Prep	SW846 9010B Prep	KXL2	07/31/07	2000	654300

The following Analytical Methods were performed

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Report Date: July 31, 2007

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

Client Sample ID: 24431-005
Sample ID: 189335005
Matrix: Water
Collect Date: 10-JUL-07 11:02
Receive Date: 11-JUL-07 09:15
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 24431
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	J	2.70	0.880	4.00	mg/L		EXF1 07/25/07	1010	653823	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

outfall 005 (HS)
sampled 7/10/07

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Certificate of Analysis

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

Report Date: July 31, 2007

Client Sample ID:	24431-001	Project:	BRKL00504
Sample ID:	189335001	Client ID:	BRKL005
Matrix:	Water	COC:	24431
Collect Date:	10-JUL-07 10:20	Samp Recv.:	
Receive Date:	11-JUL-07 09:15	Client Desc.:	HT-W
Collector:	Client		

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	J	2.50	0.880	4.00	mg/L		EXF1 07/25/07	0834	653823	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 006A (HT-w)
sampled 7/10/07

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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: July 31, 2007

Client Sample ID: 24431-002
Sample ID: 189335002
Matrix: Water
Collect Date: 10-JUL-07 10:26
Receive Date: 11-JUL-07 09:15
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 24431
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	J	2.60	0.880	4.00	mg/L		EXF1	07/25/07	0834	653823	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 006B (HT-E)
Sampled 7/10/07

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Certificate of Analysis

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

Report Date: August 3, 2007

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

Client Sample ID:	24453-001	Project:	BRKL00504
Sample ID:	189897001	Client ID:	BRKL005
Matrix:	Water	COC:	24453
Collect Date:	18-JUL-07 12:15	Samp Recv.:	
Receive Date:	19-JUL-07 09:30	Client Desc.:	HW
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Flow Injection Analysis Federal											
<i>EPA 420.2 Phenols, Total Liquid</i>											
Total Phenol		0.0113	0.0033	0.010	mg/l	1	KLP1	08/01/07	1124	654896	1
<i>SW9012A Cyanide, Total Federal</i>											
Cyanide, Total	U	-0.575	1.50	5.00	ug/L	1	KLP1	08/01/07	1004	654301	2
Ion Chromatography Federal											
<i>EPA300.0 Bromide Liquid Fed</i>											
Bromide	U	0.00	0.066	0.200	mg/L	1	RXM1	08/02/07	1319	653710	3
Chloride	J	0.914	0.066	1.00	mg/L	1					
Sulfate	J	2.29	0.100	5.00	mg/L	1					
Nutrient Analysis Federal											
<i>EPA 365.4 Phosphorus, Total in</i>											
Phosphorus, Total as P		0.104	0.024	0.050	mg/L	1	AXH3	07/23/07	0926	652981	4
Oil & Grease Analysis Federal											
<i>EPA 1664A n-Hexane Extractable Material (Oil and G</i>											
Oil and Grease	J	3.40	0.880	4.00	mg/L		EXF1	07/31/07	1107	655420	5
Solids Analysis Federal											
<i>EPA 160.2 Total Suspended Liq</i>											
Total Suspended Solids		36.9	1.58	6.94	mg/L		SXS2	07/25/07	1059	652900	6
Spectrometric Analysis Federal											
<i>EPA 376.2 Sulfide Liquid Federal</i>											
Total Sulfide	U	0.000262	0.030	0.100	mg/L	1	BXM2	07/20/07	1903	652968	7
Titration Analysis Federal											
<i>EPA 130.2 Total Hardness Federal</i>											
Hardness as CaCO3		37.3	2.00	4.00	mg/L		BXM2	07/30/07	1510	653552	8
<i>EPA 377.1 Sulfite Liquid Feder</i>											
Sulfite	HU	0.00	2.00	2.00	mg/L		AXC2	07/19/07	1930	652753	9

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	BXM1	07/20/07	2047	652980
EPA 420.2 Prep	EPA 420.2 Phenols, Total in liquid-Fed P	KXL2	07/31/07	1653	654893
SW846 9010B Prep	SW846 9010B Prep	KXL2	07/31/07	2000	654300

The following Analytical Methods were performed

OUT Fa 11008

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Certificate of Analysis

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

Report Date: August 3, 2007

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

Client Sample ID: 24451-001	Project: BRKL00504
Sample ID: 189896001	Client ID: BRKL005
Matrix: Water	COC: 24451
Collect Date: 18-JUL-07 13:05	Samp Recv.: CSF Outall
Receive Date: 19-JUL-07 09:30	
Collector: Client	

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Flow Injection Analysis Federal											
<i>EPA 420.2 Phenols, Total Liquid</i>											
Total Phenol		0.0267	0.00165	0.010	mg/l	1	KLP1	08/01/07	1123	654896	1
<i>SW9012A Cyanide, Total Federal</i>											
Cyanide, Total	U	0.602	1.50	5.00	ug/L	1	KLP1	08/01/07	1003	654301	2
Ion Chromatography Federal											
<i>EPA300.0 Bromide Liquid Fed</i>											
Bromide	U	0.00	0.066	0.200	mg/L	1	RXM1	08/02/07	1259	653710	3
Chloride	J	0.866	0.066	1.00	mg/L	1					
Sulfate	J	1.89	0.100	5.00	mg/L	1					
Nutrient Analysis Federal											
<i>EPA 365.4 Phosphorus, Total in Phosphorus, Total as P</i>											
		0.097	0.024	0.050	mg/L	1	AXH3	07/23/07	0926	652981	4
Oil & Grease Analysis Federal											
<i>EPA 1664A n-Hexane Extractable Material (Oil and Grease)</i>											
Oil and Grease	J	2.33	0.978	4.44	mg/L		EXF1	07/31/07	0856	655420	5
Solids Analysis Federal											
<i>EPA 160.2 Total Suspended Liquid</i>											
Total Suspended Solids		6.00	1.14	5.00	mg/L		SXS2	07/25/07	1059	652900	6
Spectrometric Analysis Federal											
<i>EPA 376.2 Sulfide Liquid Federal</i>											
Total Sulfide	U	0.00449	0.030	0.100	mg/L	1	BXM2	07/20/07	1902	652968	7
Titration Analysis Federal											
<i>EPA 130.2 Total Hardness Federal</i>											
Hardness as CaCO3		39.2	2.00	4.00	mg/L		BXM2	07/30/07	1458	653552	8
<i>EPA 377.1 Sulfite Liquid Federal</i>											
Sulfite	HU	0.00	2.00	2.00	mg/L		AXC2	07/19/07	1929	652753	9

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
EPA 365.4 Prep	EPA 365.4 Phosphorus, Total in liquid-Fed	BXM1	07/20/07	2047	652980
EPA 420.2 Prep	EPA 420.2 Phenols, Total in liquid-Fed P	KXL2	07/31/07	1653	654893
SW846 9010B Prep	SW846 9010B Prep	KXL2	07/31/07	2000	654300

The following Analytical Methods were performed

Outfall 010