

BROOKHAVEN
NATIONAL LABORATORY

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

June 19, 2008

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 May 2008**

In accordance with our SPDES permit (NY-0005835), enclosed as Attachment I, please find the DMR for the month of May 2008. General Engineering Laboratories, LLC (ELAP Certification #11501) performs most of the analyses on SPDES samples, while H2M Labs, Inc. (NELAP Certification #10478) performs the BOD-5, Nitrogen series, and fecal coliform analyses and CHEMTEX Environmental Laboratory, Inc. (NELAP Certification #02077) performs specialty analyses for 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.

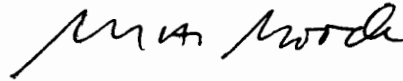
Collection and analysis of these samples are performed in accordance with the BNL Quality Assurance (QA) Program that specifies the standard operating procedures for collection and analysis of samples, QA data requirements, validation of contractor analytical data, and QA inspections performed periodically 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 May 2008.



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

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

GAG/JR:mjt

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
C. Parnell, w/o Attachments
W. Chaloupka, w/ all Attachments
G. Granzen, w/ all Attachments
C. Johnson, w/o Attachments
R. Lee, w/ all Attachments
D. Lowenstein, w/o Attachments
V. Radeka, w/ all Attachments
E. Governale, SCDHS, w/ Attachment I
R. Backofen, w/o Attachments
R. Izzo, w/ all Attachments

File: EC62ER.08

Brookhaven National Laboratory
SPDES Permit No. NY0005835
Discharge Monitoring Report for May 2008
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
DISCHARGE MONITORING REPORT FOR MAY 2008
FOR OUTFALLS NO. 001 – 010

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

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

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

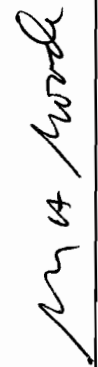
NY0005835	002B
PERMIT NUMBER	DISCHARGE NUMBER

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
01	01	01	01	01	31

No Discharge

PARAMETER	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	UNITS	VALUE	UNITS			
pH		*****		7.1		*****		0	01/30	GR
00400 1 0 Effluent Gross Oil & grease	SEE NOTE #1	*****		Req. Mon. MAXIMUM		*****		0	Once Per Month	GRAB
00556 1 0 Effluent Gross Flow, in conduit or thru treatment plant	SEE NOTE #3	*****		*****		*****		0	01/30	GR
50050 1 0 Effluent Gross		0.00006		*****		*****		0	04/30	RC
		*****		*****		*****		0	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
			2008 06 19 YEAR MO DAY

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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 ATTN: MICHAEL HOLLAND, OFFICE MGR

NY0005835	001M
PERMIT NUMBER	DISCHARGE NUMBER
MONITORING PERIOD	
FROM	TO
YEAR MO DAY	YEAR MO DAY
00 00 01	00 00 01

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

No Discharge

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	VALUE	UNITS	VALUE	UNITS				
Temperature, water deg. Fahrenheit	*****	*****	66		0	01/01	GR	
00011 1 0 Effluent Gross	*****	*****	90 DAILY MX	deg F		Daily	GRAB	
BOD, 5-day, 20 deg. C	*****	*****	< 2		0	02/30	24	
00310 1 0 Effluent Gross	*****	*****	10 DAILY AV	mg/L		Once Per Month	COMP24	
pH	*****	*****	6.3		0	01/01	GR	
00400 1 0 Effluent Gross	*****	*****	5.5 MINIMUM	SU		Daily	GRAB	
Solids, total suspended	*****	*****	< 0.9		0	02/30	24	
00530 1 0 Effluent Gross	*****	*****	10 DAILY AV	mg/L		Once Per Month	COMP24	
Solids, settleable	*****	*****	0.0		0	01/01	GR	
00545 1 0 Effluent Gross	*****	*****	0.1 DAILY MX	m/L		Daily	GRAB	
Nitrogen, total (as N)	*****	*****	8		0	02/30	24	
00600 1 0 Effluent Gross	*****	*****	10 DAILY MX	mg/L		Once Per Month	COMP24	
Nitrogen, ammonia total (as N)	*****	*****	< 0.10		0	02/30	24	
00610 1 0 Effluent Gross	*****	*****	2 DAILY MX	mg/L		Once Per Month	COMP24	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	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.							
George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed	Signature: <i>George A. Goode</i> SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT TELEPHONE 637-344-4549							
	DATE		YEAR MO DAY					
	2008 06 19							

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

NY0005835	001M
PERMIT NUMBER	DISCHARGE NUMBER

DMR MAILING ZIP CODE: 11973
MAJOR (SUBR 01)

PROCESS SANIT & STORMWTR RNOFF
External Outfall

MONITORING PERIOD					
FROM	TO				
YEAR	MO	DAY	YEAR	MO	DAY
06	06	01	06	06	31

No Discharge

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	VALUE	UNITS			
Phosphorus, total (as P)	00665 1 0 Effluent Gross	*****	*****	*****	1.4	mg/L	0	02/30	24
Cyanide, total (as CN)	SEE NOTE #1	*****	*****	*****	Req. Mon. DAILY MX	mg/L	0	Once Per Month	COMP24
00720 1 0 Effluent Gross	SEE NOTE #1	*****	*****	*****	<1.5	mg/L	0	02/30	GR
Copper, total (as Cu)	01042 1 0 Effluent Gross	*****	*****	*****	100 DAILY MX	ug/L	0	Twice Per Month	GRAB
Iron, total (as Fe)	01045 1 0 Effluent Gross	*****	*****	*****	0.046	mg/L	0	02/30	24
Lead, total (as Pb)	01051 1 0 Effluent Gross	*****	*****	*****	0.15 DAILY MX	mg/L	0	Once Per Month	COMP24
Nickel, total (as Ni)	01067 1 0 Effluent Gross	*****	*****	*****	0.06	mg/L	0	02/30	24
Silver, total (as Ag)	01077 1 0 Effluent Gross	*****	*****	*****	0.37 DAILY MX	mg/L	0	Once Per Month	COMP24
		*****	*****	*****	0.00064	mg/L	0	02/30	24
		*****	*****	*****	0.019 DAILY MX	mg/L	0	Once Per Month	COMP24
		*****	*****	*****	0.0076	mg/L	0	02/30	24
		*****	*****	*****	0.11 DAILY MX	mg/L	0	Once Per Month	COMP24
		*****	*****	*****	0.0012	mg/L	0	02/30	24
		*****	*****	*****	0.015 DAILY MX	mg/L	0	Once Per Month	COMP24

DATE	2008 06 19	
YEAR	MO	DAY
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		
631-344-4549		

Michael Holland

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.

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

NY0005835	001M
PERMIT NUMBER	DISCHARGE NUMBER

DMR MAILING ZIP CODE: 11973
MAJOR (SUBR 01)

PROCESS SANIT & STORMWTR RNOFF
External Outfall

MONITORING PERIOD					
FROM	TO				
YEAR	MO	DAY	YEAR	MO	DAY
08	05	01	08	05	31

No Discharge

PARAMETER	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	UNITS	VALUE	UNITS			
Zinc, total (as Zn)		*****		*****		0.06		0	02/30	24
01092 1 0 Effluent Gross		*****		*****		0.1 DAILY MX	mg/L		Once Per Month	COMP24
Toluene		*****		*****		<1		0	02/30	GR
34010 1 0 Effluent Gross		*****		*****		5 DAILY MX	ug/L		Twice Per Month	GRAB
Methylene chloride		*****		*****		<2		0	02/30	GR
34423 1 0 Effluent Gross		*****		*****		5 DAILY MX	ug/L		Twice Per Month	GRAB
1, 1, 1 - Trichloroethane		*****		*****		<1		0	02/30	GR
34506 1 0 Effluent Gross		*****		*****		5 DAILY MX	ug/L		Twice Per Month	GRAB
Flow, in conduit or thru treatment plant		0.28		*****		*****		0	02/30	RC
50050 1 0 Effluent Gross		Req. Mon. DAILY AV	2.3 DAILY MX	*****		*****			Continuous	RCORDR
Mercury, total (as Hg)		*****		*****		0.00008		0	02/30	24
71900 1 0 Effluent Gross		*****		*****		0.0008 DAILY MX	mg/L		Once Per Month	COMP24
Coliform, fecal general		*****		*****		<2		0	02/30	GR
74055 1 0 Effluent Gross		*****		*****		400 DAILY AV	#/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.	DATE	
		2008 06 19	YEAR MO DAY
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	
Ma A. Holland		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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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
PERMIT NUMBER

001M
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
05	05	01	05	05	31

No Discharge

PARAMETER	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	UNITS	VALUE	UNITS			
2 - Butanone		*****		*****		<5		0	02/30	GR
78356 1 0 Effluent Gross BOD, 5-day, percent removal		*****		*****		50 DAILY MX	ug/L		Twice Per Month	GRAB
81010 K 0 Percent Removal Solids, suspended percent removal		*****		*****		>97		0	01/30	CA
		*****		*****		85 MO AV MIN	%		Once Per Month	CALCTD
		*****		*****		>99		0	01/30	CA
81011 K 0 Percent Removal		*****		*****		85 MO AV MIN	%		Once Per Month	CALCTD

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	DATE	
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 	YEAR 2008
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.		TELEPHONE 637-344-4549	

**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

PERMIT NUMBER

002M

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
05	05	01	05	05	31

No Discharge

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	VALUE	UNITS				
pH		*****		7.1	*****	7.6		0	04/30	GR
00400 1 0 Effluent Gross Oil & grease	PERMIT REQUIREMENT	*****		Req. Mon. MINIMUM	*****	9 MAXIMUM	SU		Once Per Month	GRAB
00556 1 0 Effluent Gross Flow, in conduit or thru treatment plant	PERMIT REQUIREMENT	*****		*****	*****	3.7		0	01/30	GR
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	0.16		*****	*****	15 DAILY MX	mg/L	0	Once Per Month	GRAB
				*****	*****	*****		0	04/30	RC
				*****	*****	*****			Once Per Month	RCORDR

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			2008	06	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. SAMPLING FOR THIS OUTFALL SHALL BE CONDUCTED AT A LOCATION DOWNSTREAM OF WHERE EXISTING DISCHARGE MIXES WITH THE COOLING TOWER BLOWDOWN FROM THE STAR DETECTOR.

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

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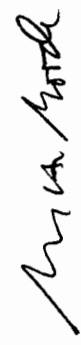
NY0005835	005M
PERMIT NUMBER	DISCHARGE NUMBER

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
05	05	01	05	05	31

No Discharge

PARAMETER	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	VALUE	UNITS				
pH		*****		7.2	*****	7.5	GR	0	04/30	GR
00400 1 0 Effluent Gross Oil & grease	SEE NOTE #1	*****		Req. Mon. MINIMUM	*****	8.5 MAXIMUM	GRAB	0	Once Per Month	GRAB
00556 1 0 Effluent Gross Flow, in conduit or thru treatment plant		*****		*****	*****	3.7	GR	0	01/30	GR
50050 1 0 Effluent Gross		0.15		*****	*****	15 DAILY MIX	GRAB	0	Once Per Month	GRAB
		*****		*****	*****	*****	RC	0	04/30	RC
		*****		*****	*****	*****	RECORDR	0	Once Per Month	RECORDR

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		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 	YEAR 2008
		TELEPHONE 831-344-4549	

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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
00	05	01	00	05	31

No Discharge

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	UNITS	VALUE	UNITS			
Flow rate	MEASUREMENT	*****	120000	*****	*****	*****	0	18/30	IN	
00056 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	Req. Mon. DAILY MX	*****	*****	*****		Once Per Month	INSTAN	
pH	MEASUREMENT	*****	*****	7.0	*****	7.0	0	01/30	GR	
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	Req. Mon. MINIMUM	*****	*****		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	2008	06	19
				YEAR	MO	DAY
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			 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 WHICH EVER 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

NY0005635	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
05 01 05	05 05 05

No Discharge

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Flow rate	SEE NOTE #2	*****	5120000	*****	*****	*****	*****	0	01/30	IN
00056 1 0 Effluent Gross	MEASUREMENT	*****	Req. Mon. DAILY MX	*****	*****	*****	*****		Once Per Month	INSTAN
pH	MEASUREMENT	*****	*****	8.4	*****	*****	8.4	0	01/30	GR
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	Req. Mon. MINIMUM	*****	*****	8.5 MAXIMUM		Once Per Month	GRAB
Oil & grease	MEASUREMENT	*****	*****	*****	*****	*****	4	0	01/30	GR
00556 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	15 DAILY MX		Once Per Month	GRAB
1, 1 - Dichloroethylene	MEASUREMENT	*****	*****	*****	*****	*****	<1	0	01/30	GR
34501 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	5 DAILY MX		Once Per Month	GRAB
1, 1, 1 - Trichloroethane	MEASUREMENT	*****	*****	*****	*****	*****	<1	0	01/30	GR
34506 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	5 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	
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 	2008 06 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

NY0005635	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
00	05	01	05	05	31

No Discharge

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Flow rate	SEE NOTE #2	800000		*****	*****	*****		0	01/30	IN
00056 1 0 Effluent Gross pH	PERMIT REQUIREMENT	Req. Mon. DAILY MIX	gal/d	*****	*****	*****		0	Once Per Month	INSTAN
00400 1 0 Effluent Gross Oil & grease	PERMIT REQUIREMENT	*****		8.4	*****	8.4		0	01/30	GR
00556 1 0 Effluent Gross	PERMIT REQUIREMENT	*****		Req. Mon. MINIMUM	*****	8.5 MAXIMUM	SU	0	Once Per Month	GRAB
	SEE NOTE #1	*****		*****	*****	2.2		0	01/30	GR
	PERMIT REQUIREMENT	*****		*****	*****	15 DAILY MIX	mg/L	0	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 <i>George A. Goode</i>	DATE
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.			YEAR
			2008 06 19
			TELEPHONE 631-344-4549

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

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

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

NY0005835	06AM
PERMIT NUMBER	DISCHARGE NUMBER

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
08	05	01	08	05	31

No Discharge

PARAMETER	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH		*****		7.4	*****	8.0	GR	0	04/30	GR
00400 1 0 Effluent Gross Oil & grease	SEE NOTE #1	*****		Req. Mon. MINIMUM	*****	9 MAXIMUM	GRAB	0	Once Per Month	GRAB
00556 1 0 Effluent Gross Flow, in conduit or thru treatment plant		*****		*****	*****	3.3	GR	0	01/30	GR
50050 1 0 Effluent Gross		0.05		*****	*****	15 DAILY MX	RC	0	Once Per Month	GRAB
		Req. Mon. DAILY AV	Mgal/d	*****	*****	*****	RCORDR	0	04/30	RC
		*****		*****	*****	*****		0	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	
		2008	06 19
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		YEAR	MO DAY
		2008	06 19
Comments and Explanation of any violations (Reference all attachments here) SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS, AND REQUIREMENTS.		TELEPHONE 631-344-4549	

**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 TOWER FROM 919 ETC (HT2)
External Outfall

MONITORING PERIOD					
FROM	TO				
YEAR	MO	DAY	YEAR	MO	DAY
00	05	01	05	05	31

No Discharge

PARAMETER	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE			
pH		*****	*****		7.2	*****	0	04/30	GR
00400 1 0 Effluent Gross Oil & grease	SEE NOTE #1	*****	*****		Req. Mon. MINIMUM	*****	0	Once Per Month	GRAB
00556 1 0 Effluent Gross Flow, in conduit or thru treatment plant		*****	*****		*****	*****	0	01/30	GR
50050 1 0 Effluent Gross		0.009	*****		*****	*****	0	Once Per Month	GRAB
		Req. Mon. DAILY AV	*****	Mgal/d	*****	*****	0	04/30	RC
		*****	*****		*****	*****		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	
		YEAR	MO DAY
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		2008	06 19
		TELEPHONE	631-344-4569

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 MAY 2008

ANALYTICAL RESULTS FROM H2M LABS

AND GENERAL ENGINEERING LABORATORIES, LLC

FOR REGULATORY COMPLIANCE SAMPLES COLLECTED

5/7/08 and 5/9/08

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. : **0805622-001**

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25755-001

Collected : 5/7/2008 11:00:00 AM
Received : 5/7/2008 3:30:00 PM
Collected By CLIENT
Copies To : Original
CC

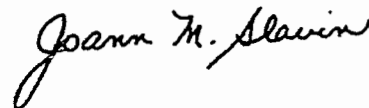
Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Biochemical Oxygen Demand	< 2		1	mg/L	E405.1	05/09/2008 8:50 AM
Nitrogen, Total	7.8		1	mg/L	M4500-N C	05/16/2008
Nitrogen, Ammonia (As N)	< 0.10		1	mg/L	E350.1	05/14/2008 2:52 PM
Nitrite as N	< 0.01		1	mg/L	E353.2	05/08/2008 2:44 PM
Nitrate as N	7.38		10	mg/L	E353.2	05/13/2008 1:27 PM
Nitrogen, Kjeldahl, Total	0.42		1	mg/L	E351.2	05/16/2008 10:33 AM

Outfall 001
Sampled 5/7/08
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 5/21/2008



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. : 0805694-001

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25773-001

Collected : 5/9/2008 10:30:00 AM
Received : 5/9/2008 3:05:00 PM
Collected By CLIENT
Copies To : Original
CC

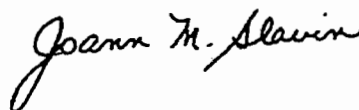
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Biochemical Oxygen Demand	< 2		1	mg/L	E405.1	05/09/2008 10:00 AM
Nitrogen, Total	8.1		1	mg/L	M4500-N C	05/16/2008
Nitrogen, Ammonia (As N)	< 0.10		1	mg/L	E350.1	05/14/2008 2:59 PM
Nitrite as N	< 0.01		1	mg/L	E353.2	05/10/2008 8:25 AM
Nitrate as N	7.67		10	mg/L	E353.2	05/13/2008 1:35 PM
Nitrogen, Kjeldahl, Total	0.40		1	mg/L	E351.2	05/16/2008 10:36 AM

Outfall 001
Sampled 5/9/08
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 5/21/2008



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. : **0805622-002**

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25755-002

Collected : 5/7/2008 1:30:00 PM
Received : 5/7/2008 3:30:00 PM
Collected By CLIENT
Copies To : Original
CC

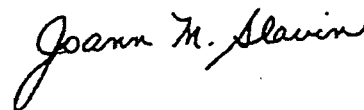
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	< 2		1	MPN	M9221 BC	05/07/2008 4:00 PM
Fecal Coliform	< 2		1	MPN	M9221 BC	05/07/2008 4:00 PM

Outfall 001
Sampled 5/7/08
Grab

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

D.F. = Dilution Factor

Date Reported : 5/21/2008



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. : 0805694-002

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25773-002

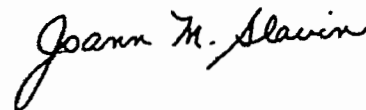
Collected : 5/9/2008 1:30:00 PM
Received : 5/9/2008 3:05:00 PM
Collected By CLIENT
Copies To : Original
CC

<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	05/09/2008 3:30 PM
Fecal Coliform	< 2		1	MPN	M9221 BC	05/09/2008 3:30 PM

Outfall 001
Sampled 5/9/08
Grab

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

Date Reported : 5/21/2008



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. : 0805622-003

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25755-003

Collected : 5/7/2008 11:30:00 AM
Received : 5/7/2008 3:30:00 PM
Collected By CLIENT
Copies To : Original
CC

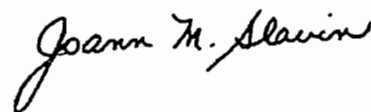
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Biochemical Oxygen Demand	80		1	mg/L	E405.1	05/09/2008 9:00 AM

STP Influent
Sampled 5/7/08
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 5/21/2008



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. : 0805694-003

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25773-003

Collected : 5/9/2008 11:05:00 AM
Received : 5/9/2008 3:05:00 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	76		1	mg/L	E405.1	05/09/2008 10:05 AM

STP Influent
Sampled 5/9/08
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 5/21/2008

Joann M. Alavin

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. : 0805622-004

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25755-004

Collected : 5/7/2008 11:35:00 AM
Received : 5/7/2008 3:30:00 PM
Collected By CLIENT
Copies To : Original
CC

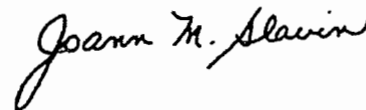
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Biochemical Oxygen Demand	6		1	mg/L	E405.1	05/09/2008 9:05 AM
Nitrogen, Total	9.4		1	mg/L	M4500-N C	05/16/2008
Nitrogen, Ammonia (As N)	0.50		1	mg/L	E350.1	05/14/2008 2:55 PM
Nitrite as N	0.02		1	mg/L	E353.2	05/08/2008 2:48 PM
Nitrate as N	7.51		10	mg/L	E353.2	05/13/2008 1:33 PM
Nitrogen, Kjeldahl, Total	1.87		1	mg/L	E351.2	05/16/2008 10:35 AM

Clari fier Effluent
Sampled 5/7/08
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 5/21/2008



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. : 0805694-004

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25773-004

Collected : 5/9/2008 11:10:00 AM
Received : 5/9/2008 3:05:00 PM
Collected By CLIENT
Copies To : Original
CC

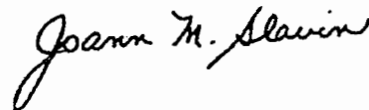
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Biochemical Oxygen Demand	8		1	mg/L	E405.1	05/09/2008 10:10 AM
Nitrogen, Total	7.4		1	mg/L	M4500-N C	05/16/2008
Nitrogen, Ammonia (As N)	0.77		1	mg/L	E350.1	05/14/2008 3:01 PM
Nitrite as N	0.02		1	mg/L	E353.2	05/10/2008 8:29 AM
Nitrate as N	5.58		10	mg/L	E353.2	05/13/2008 1:37 PM
Nitrogen, Kjeldahl, Total	1.79		1	mg/L	E351.2	05/16/2008 10:38 AM

Clarifier Effluent
Sampled 5/9/08
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 5/21/2008



Laboratory Manager

**Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 208086	Date Collected: 05/07/2008 13:30	Matrix: WATER
Lab Sample ID: 208086002	Date Received: 05/08/2008 09:35	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 25754-002	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 754159	Inst: VOA4.I	Dilution: 1
Run Date: 05/12/2008 16:54	Analyst: ACJ	Purge Vol: 5 mL
Prep Date: 05/12/2008 16:54		
Data File: 4k107.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 5/7/08

**Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 208243	Date Collected: 05/09/2008 13:30	Matrix: WATER
Lab Sample ID: 208243002	Date Received: 05/10/2008 09:00	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 25772-002	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 754159	Inst: VOA4.I	Dilution: 1
Run Date: 05/12/2008 18:16	Analyst: ACJ	Purge Vol: 5 mL
Prep Date: 05/12/2008 18:16		
Data File: 4k110.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 5/9/08

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 208086

METHOD TYPE: EPA

SAMPLE ID: 208086001

CLIENT ID: 25754-001

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 08-MAY-08

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>
7439-97-6	Mercury	.000078.4	ng/L			AF	0.4	2	LLHG	753365
7429-90-5	Aluminum	68	ug/L	U		P	68	1	OPTIMA3	052208A-1
7440-36-0	Antimony	3	ug/L	U		P	3	1	OPTIMA3	052208A-1
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS3	080527-2
7440-39-3	Barium	23.1	ug/L	B		P	1	1	OPTIMA3	052208A-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA3	052208A-1
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA3	052208A-1
7440-70-2	Calcium	16400	ug/L			P	30	1	OPTIMA3	052208A-1
7440-47-3	Chromium	2	ug/L	U		P	2	1	OPTIMA3	052208A-1
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA3	052208A-1
7440-50-8	Copper	46.1	ug/L			P	3	1	OPTIMA3	052208A-1
7439-89-6	Iron	55.5	ug/L	B		P	25	1	OPTIMA3	052208A-1
7439-92-1	Lead	0.640	ug/L	B		MS	0.5	1	ICPMS3	080527-2
7439-95-4	Magnesium	4850	ug/L	B		P	85	1	OPTIMA3	052208A-1
7439-96-5	Manganese	3.8	ug/L	B		P	2	1	OPTIMA3	052208A-1
7440-02-0	Nickel	7.6	ug/L	B		P	1	1	OPTIMA3	052208A-1
7440-09-7	Potassium	6080	ug/L			P	50	1	OPTIMA3	052208A-1
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS3	080527-2
7440-22-4	Silver	1	ug/L	U		P	1	1	OPTIMA3	052208A-1
7440-23-5	Sodium	43200	ug/L			P	45	1	OPTIMA3	052208A-1
7440-28-0	Thallium	0.450	ug/L	B		MS	0.3	1	ICPMS3	080527-2
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA3	052208A-1
7440-62-2	Vanadium	3.9	ug/L	B		P	1	1	OPTIMA3	052208A-1
7440-66-6	Zinc	58.5	ug/L			P	2	1	OPTIMA3	052208A-1

Out fall 001
sampled 5/7/08
24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 208243

METHOD TYPE: EPA

SAMPLE ID: 208243001

CLIENT ID: 25772-001

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 10-MAY-08

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>
7439-97-6	Mercury	66.2	ng/L			AF	1	5	LLHG	753899
7429-90-5	Aluminum	68	ug/L	U		P	68	1	OPTIMA3	052308A-1
7440-36-0	Antimony	3	ug/L	U		P	3	1	OPTIMA3	052308A-1
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS6	080528-2
7440-39-3	Barium	22.8	ug/L	B		P	1	1	OPTIMA3	052308A-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA3	052308A-1
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA3	052308A-1
7440-70-2	Calcium	14500	ug/L			P	30	1	OPTIMA3	052308A-1
7440-47-3	Chromium	2	ug/L	U		P	2	1	OPTIMA3	052308A-1
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA3	052308A-1
7440-50-8	Copper	44.9	ug/L			P	3	1	OPTIMA3	052308A-1
7439-89-6	Iron	63.1	ug/L	B		P	25	1	OPTIMA3	052308A-1
7439-92-1	Lead	0.580	ug/L	B		MS	0.5	1	ICPMS6	080528-2
7439-95-4	Magnesium	4740	ug/L	B		P	85	1	OPTIMA3	052308A-1
7439-96-5	Manganese	3.1	ug/L	B		P	2	1	OPTIMA3	052308A-1
7440-02-0	Nickel	6.5	ug/L	B		P	1	1	OPTIMA3	052308A-1
7440-09-7	Potassium	6450	ug/L		E	P	50	1	OPTIMA3	052308A-1
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS6	080528-2
7440-22-4	Silver	1.2	ug/L	B		P	1	1	OPTIMA3	052308A-1
7440-23-5	Sodium	41700	ug/L			P	45	1	OPTIMA3	052308A-1
7440-28-0	Thallium	0.590	ug/L	B		MS	0.3	1	ICPMS6	080528-2
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA3	052308A-1
7440-62-2	Vanadium	4.7	ug/L	B		P	1	1	OPTIMA3	052308A-1
7440-66-6	Zinc	56.7	ug/L			P	2	1	OPTIMA3	052308A-1

Outfall 001
Sampled 5/9/08
24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 208086

METHOD TYPE:EPA

SAMPLE ID: 208086003

CLIENT ID: 25754-003

CONTRACT: BRKL00504

MATRIX:W

DATE RECEIVED 08-MAY-08

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>
7439-97-6	Mercury	46.5	ng/L			AF	0.4	2	LLHG	753365
7429-90-5	Aluminum	225	ug/L			P	68	1	OPTIMA3	052208A-1
7440-36-0	Antimony	3	ug/L	U		P	3	1	OPTIMA3	052208A-1
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS3	080527-2
7440-39-3	Barium	73	ug/L	B		P	1	1	OPTIMA3	052208A-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA3	052208A-1
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA3	052208A-1
7440-70-2	Calcium	14300	ug/L			P	30	1	OPTIMA3	052208A-1
7440-47-3	Chromium	4.8	ug/L	B		P	2	1	OPTIMA3	052208A-1
7440-48-4	Cobalt	1.1	ug/L	B		P	1	1	OPTIMA3	052208A-1
7440-50-8	Copper	239	ug/L			P	3	1	OPTIMA3	052208A-1
7439-89-6	Iron	1390	ug/L			P	25	1	OPTIMA3	052208A-1
7439-92-1	Lead	11.3	ug/L			MS	0.5	1	ICPMS3	080527-2
7439-95-4	Magnesium	4230	ug/L	B		P	85	1	OPTIMA3	052208A-1
7439-96-5	Manganese	61.9	ug/L			P	2	1	OPTIMA3	052208A-1
7440-02-0	Nickel	15.2	ug/L	B		P	1	1	OPTIMA3	052208A-1
7440-09-7	Potassium	6520	ug/L			P	50	1	OPTIMA3	052208A-1
7782-49-2	Selenium	1.2	ug/L	B		MS	1	1	ICPMS3	080527-2
7440-22-4	Silver	1	ug/L	U		P	1	1	OPTIMA3	052208A-1
7440-23-5	Sodium	36800	ug/L			P	45	1	OPTIMA3	052208A-1
7440-28-0	Thallium	0.30	ug/L	U		MS	0.3	1	ICPMS3	080527-2
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA3	052208A-1
7440-62-2	Vanadium	7.3	ug/L	B		P	1	1	OPTIMA3	052208A-1
7440-66-6	Zinc	148	ug/L			P	2	1	OPTIMA3	052208A-1

STP Influent
Sampled 5/7/08
24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 208243

METHOD TYPE:EPA

SAMPLE ID: 208243003

CLIENT ID: 25772-003

CONTRACT: BRKL00504

MATRIX:W

DATE RECEIVED 10-MAY-08

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>
7439-97-6	Mercury	69	ng/L			AF	0.4	2	LLHG	753899
7429-90-5	Aluminum	542	ug/L			P	68	1	OPTIMA3	052308A-1
7440-36-0	Antimony	3	ug/L	U		P	3	1	OPTIMA3	052308A-1
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS6	080528-2
7440-39-3	Barium	120	ug/L	B		P	1	1	OPTIMA3	052308A-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA3	052308A-1
7440-43-9	Cadmium	1.5	ug/L	B		P	1	1	OPTIMA3	052308A-1
7440-70-2	Calcium	15300	ug/L			P	30	1	OPTIMA3	052308A-1
7440-47-3	Chromium	11.7	ug/L			P	2	1	OPTIMA3	052308A-1
7440-48-4	Cobalt	1.9	ug/L	B		P	1	1	OPTIMA3	052308A-1
7440-50-8	Copper	625	ug/L			P	3	1	OPTIMA3	052308A-1
7439-89-6	Iron	2420	ug/L			P	25	1	OPTIMA3	052308A-1
7439-92-1	Lead	21.3	ug/L			MS	0.5	1	ICPMS6	080528-2
7439-95-4	Magnesium	4110	ug/L	B		P	85	1	OPTIMA3	052308A-1
7439-96-5	Manganese	63.9	ug/L			P	2	1	OPTIMA3	052308A-1
7440-02-0	Nickel	23.2	ug/L	B		P	1	1	OPTIMA3	052308A-1
7440-09-7	Potassium	6600	ug/L		E	P	50	1	OPTIMA3	052308A-1
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS6	080528-2
7440-22-4	Silver	2.3	ug/L	B		P	1	1	OPTIMA3	052308A-1
7440-23-5	Sodium	34900	ug/L			P	45	1	OPTIMA3	052308A-1
7440-28-0	Thallium	0.30	ug/L	U		MS	0.3	1	ICPMS6	080528-2
7440-31-5	Tin	10.1	ug/L			P	2.5	1	OPTIMA3	052308A-1
7440-62-2	Vanadium	13.4	ug/L	B		P	1	1	OPTIMA3	052308A-1
7440-66-6	Zinc	279	ug/L			P	2	1	OPTIMA3	052308A-1

STP- Influent
Sampled 5/9/08
24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 208086

METHOD TYPE: EPA

SAMPLE ID: 208086005

CLIENT ID: 25754-005

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 08-MAY-08

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>
7439-97-6	Mercury	44.4	ng/L			AF	0.2	1	LLHG	753365

Clarifier Effluent
Sampled 5/7/08
24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 208243

METHOD TYPE: EPA

SAMPLE ID: 208243005

CLIENT ID: 25772-005

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 10-MAY-08

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>
7439-97-6	Mercury	20.6	ng/L			AF	0.2	1	LLHG	753899

Clarifier Effluent
Sampled 5/9/08
24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 208086

METHOD TYPE:EPA

SAMPLE ID: 208086006

CLIENT ID: 25754-006

CONTRACT: BRKL00504

MATRIX:W

DATE RECEIVED 08-MAY-08

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>
7439-97-6	Mercury	72.6	ng/L			AF	0.2	1	LLHG	753365

Field Blank
Sampled 5/7/09
JF

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 208243

METHOD TYPE:EPA

SAMPLE ID: 208243006

CLIENT ID: 25772-006

CONTRACT: BRKL00504

MATRIX:W

DATE RECEIVED 10-MAY-08

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>
7439-97-6	Mercury	0.320	ng/L	B		AF	0.2	1	LLHG	753899

*Field Blank
Sampled 5/9/08*

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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: June 3, 2008

Client Sample ID:	25754-001	Project:	BRKL00504
Sample ID:	208086001	Client ID:	BRKL005
Matrix:	Water	COC:	25754
Collect Date:	07-MAY-08 11:00	Samp Recv.:	
Receive Date:	08-MAY-08 09:35	Client Desc.:	STP Effluent
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Nutrient Analysis Federal											
<i>EPA 365.4 Phosphorus, Total in "As Received"</i>											
Phosphorus, Total as P		0.671	0.024	0.050	mg/L	1	AXH3	05/13/08	1304	753816	1
Solids Analysis Federal											
<i>EPA 160.2 Total Suspended Liq "As Received"</i>											
Total Suspended Solids	U	0.200	1.14	5.00	mg/L		NXM	05/09/08	1056	753399	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	05/12/08	1523	753815

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 365.4	
2	EPA 160.2	

Outfall 001
 Sampled 5/7/08
 24 hour composite

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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: June 3, 2008

Client Sample ID: 25772-001	Project: BRKL00504
Sample ID: 208243001	Client ID: BRKL005
Matrix: Water	COC: 25772
Collect Date: 09-MAY-08 10:30	Samp Recv.:
Receive Date: 10-MAY-08 09:00	Client Desc.: STP Effluent
Collector: Client	

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Nutrient Analysis Federal											
<i>EPA 365.4 Phosphorus, Total in "As Received"</i>											
Phosphorus, Total as P		1.41	0.024	0.050	mg/L	1	AXH3	05/15/08	1410	754397	1
Solids Analysis Federal											
<i>EPA 160.2 Total Suspended Liq "As Received"</i>											
Total Suspended Solids	U	-0.10	0.570	2.50	mg/L		NXM	05/12/08	1142	753890	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	05/13/08	1337	754396

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 365.4	
2	EPA 160.2	

Outfall 001
 Sampled 5/9/08
 24 hour composite

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

Report Date: June 3, 2008

Client Sample ID:	25754-002	Project:	BRKL00504
Sample ID:	208086002	Client ID:	BRKL005
Matrix:	Water	COC:	25754
Collect Date:	07-MAY-08 13:30	Samp Recv.:	
Receive Date:	08-MAY-08 09:35	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 "As Received"</i>											
Cyanide, Total	U	0.584	1.50	5.00	ug/L	1	KLP1	05/16/08	0955	753367	1

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 9010B Prep	SW846 9010B Prep	AXS5	05/15/08	1209	753366

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 9012A	

Outfall 001
Sampled 5/7/08
Grab Sample

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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: June 3, 2008

Client Sample ID:	25772-002	Project:	BRKL00504
Sample ID:	208243002	Client ID:	BRKL005
Matrix:	Water	COC:	25772
Collect Date:	09-MAY-08 13:30	Samp Recv.:	
Receive Date:	10-MAY-08 09:00	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 "As Received"</i>											
Cyanide, Total	U	-1.37	1.50	5.00	ug/L	1	KLP1	05/13/08	1543	753845	1

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 9010B Prep	SW846 9010B Prep	AXS5	05/12/08	1457	753843

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 9012A	

Outfall 001
Sampled 5/9/08
Grab

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

Report Date: June 3, 2008

Client Sample ID: 25754-003
Sample ID: 208086003
Matrix: Water
Collect Date: 07-MAY-08 11:30
Receive Date: 08-MAY-08 09:35
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25754
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 "As Received"</i>										
Total Suspended Solids		91.7	4.32	18.9	mg/L		NXM 05/09/08	1056	753399	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 160.2	

STP Influent
Sampled 5/7/08
24 hour composite

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Certificate of Analysis

Company : Brookhaven National Laboratory
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Report Date: June 3, 2008

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

Client Sample ID: 25772-003
Sample ID: 208243003
Matrix: Water
Collect Date: 09-MAY-08 11:05
Receive Date: 10-MAY-08 09:00
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25772
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 "As Received"</i>										
Total Suspended Solids		125	5.70	25.0	mg/L		NXM 05/12/08	1142	753890	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 160.2	

STP Influent
Sampled 5/9/08
24 hour composite

ATTACHMENT III

BROOKHAVEN NATIONAL LABORATORY

SPDES PERMIT NO. NY0005835

DISCHARGE MONITORING REPORT FOR MAY 2008

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

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: May 21, 2008

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

Client Sample ID: 25743-003
Sample ID: 207828003
Matrix: Water
Collect Date: 02-MAY-08 10:40
Receive Date: 03-MAY-08 12:00
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25743
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 "As Received"</i>										
Oil and Grease	J	3.70	1.40	5.00	mg/L		JXT1 05/06/08	1334	752099	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 002 (HN)
Sampled 5/2/08

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Certificate of Analysis

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

Report Date: May 21, 2008

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

Client Sample ID: 25743-005
Sample ID: 207828005
Matrix: Water
Collect Date: 02-MAY-08 10:30
Receive Date: 03-MAY-08 12:00
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25743
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 "As Received"</i>										
Oil and Grease	J	2.90	1.40	5.00	mg/L		JXT1 05/06/08	1336	752099	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 002B (1004/1002)
Sampled 5/2/08

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

Certificate of Analysis

Company : Brookhaven National Laboratory
Address : Building 51
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Report Date: May 21, 2008

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

Client Sample ID: 25743-004
Sample ID: 207828004
Matrix: Water
Collect Date: 02-MAY-08 11:23
Receive Date: 03-MAY-08 12:00
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25743
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 "As Received"</i>										
Oil and Grease	J	3.70	1.40	5.00	mg/L		JXT1 05/06/08	1334	752099	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

outfall 005 (HS)
Sampled 5/2/08

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Certificate of Analysis

Company : Brookhaven National Laboratory
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Report Date: May 21, 2008

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

Client Sample ID: 25743-001
Sample ID: 207828001
Matrix: Water
Collect Date: 02-MAY-08 10:53
Receive Date: 03-MAY-08 12:00
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25743
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 "As Received"</i>										
Oil and Grease	J	3.30	1.40	5.00	mg/L	JXT1	05/06/08	1334	752099	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 006A (HT-W)
Sampled 5/2/08

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Company : Brookhaven National Laboratory
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Report Date: May 21, 2008

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

Client Sample ID: 25743-002
Sample ID: 207828002
Matrix: Water
Collect Date: 02-MAY-08 10:43
Receive Date: 03-MAY-08 12:00
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25743
Samp Recv.:
Client Desc.: HT-E

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 "As Received"</i>										
Oil and Grease	J	3.80	1.40	5.00	mg/L		JXT1 05/06/08	1334	752099	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 006B (HT-E)
Sampled 5/2/08

GEL LABORATORIES LLC

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Certificate of Analysis

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

Report Date: June 6, 2008

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

Client Sample ID: 25777-002
Sample ID: 208367002
Matrix: Water
Collect Date: 09-MAY-08 14:25
Receive Date: 13-MAY-08 09:30
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25777
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 "As Received"</i>										
Oil and Grease	J	4.00	1.40	5.00	mg/L		JXT1 05/21/08	0858	756981	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 008 (HW)
Sampled 5/9/08

GEL LABORATORIES LLC

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Certificate of Analysis

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

Report Date: June 6, 2008

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

Client Sample ID: 25777-003
Sample ID: 208367003
Matrix: Water
Collect Date: 09-MAY-08 14:25
Receive Date: 13-MAY-08 09:30
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25777
Samp Recv.:
Client Desc.: CSF

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 "As Received"</i>										
Oil and Grease	J	2.20	1.40	5.00	mg/L		JXT1 05/21/08 0858	756981	1	

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 010 (CSF)
En Sampled 5/9/08

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 208367	Date Collected: 05/09/2008 14:25	Matrix: WATER
Lab Sample ID: 208367002	Date Received: 05/13/2008 09:30	
Client Sample: HW	Client: BRKL005	Project: BRKL00504
Client ID: 25777-002	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 755640	Inst: VOA7.I	Dilution: 1
Run Date: 05/15/2008 20:46	Analyst: SJW1	Purge Vol: 5 mL
Prep Date: 05/15/2008 20:46		
Data File: 7k421.d	Column: DB-624	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 (HW)
Sampled 5/9/08