



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

May 20, 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 April 2008**

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

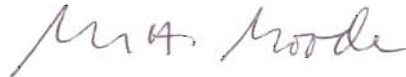
Collection and analysis of these samples are performed in accordance with the BNL Quality Assurance (QA) Program that specifies the standard operating procedures for collection and analysis of samples, QA data requirements, validation of contractor analytical data, and QA inspections performed periodically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

- Attachment I: Discharge Monitoring Report for April 2008.
- Attachment II: Analytical Results from H2M Labs Inc. and General Engineering Laboratories, LLC for samples collected on 4/16/08 and 4/18/08 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).

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 April 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 APRIL 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
08	04	01	08	04	30

No Discharge

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	UNITS	VALUE	VALUE	UNITS			
pH	*****			7.8	*****		0	01/30	GR
00400 1 0 Effluent Gross Oil & grease	*****			Req. Mon. MINIMUM	*****	9 MAXIMUM		Once Per Month	GRAB
00556 1 0 Effluent Gross	*****			*****	*****	2.0	0	01/30	GR
Flow, in conduit or thru treatment plant	*****			*****	*****	15 DAILY MX		Once Per Month	GRAB
00550 1 0 Effluent Gross	*****	0.0016		*****	*****	*****	0	04/30	RC
	*****	Req. Mon. DAILY MIX	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 <i>Michael Holland</i>	DATE
			2008 05 20
			YEAR MO DAY 631-344-1549

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

NY0005835	001M
PERMIT NUMBER	DISCHARGE NUMBER

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	04	01	08	04	30

No Discharge

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	VALUE	UNITS	VALUE			
Temperature, water deg. Fahrenheit	PERMIT REQUIREMENT	*****	*****	*****	*****	61		0	01/01	GR
00011 1 0 Effluent Gross BOD, 5-day, 20 deg. C	PERMIT REQUIREMENT	*****	*****	*****	*****	90 DAILY MX	deg F	0	Daily	GRAB
00310 1 0 Effluent Gross pH	PERMIT REQUIREMENT	*****	*****	*****	< 2	< 2		0	02/30	24
00400 1 0 Effluent Gross Solids, total suspended	PERMIT REQUIREMENT	*****	*****	*****	10 DAILY AV	20 DAILY MX	mg/L	0	Once Per Month	COMP24
00530 1 0 Effluent Gross Solids, settleable	PERMIT REQUIREMENT	*****	*****	*****	6.3	7.0		0	01/01	GR
00545 1 0 Effluent Gross Nitrogen, total (as N)	PERMIT REQUIREMENT	*****	*****	*****	5.8 MINIMUM	9.0 MAXIMUM	SU	0	Daily	GRAB
00600 1 0 Effluent Gross Nitrogen, ammonia total (as N)	PERMIT REQUIREMENT	*****	*****	*****	<0.9	<1.1		0	02/30	24
00610 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	10 DAILY AV	20 DAILY MX	mg/L	0	Once Per Month	COMP24
	PERMIT REQUIREMENT	*****	*****	*****	*****	0.0		0	01/01	GR
	PERMIT REQUIREMENT	*****	*****	*****	*****	0.1 DAILY MX	mL/L	0	Daily	GRAB
	PERMIT REQUIREMENT	*****	*****	*****	*****	4		0	02/30	24
	PERMIT REQUIREMENT	*****	*****	*****	*****	10 DAILY MX	mg/L	0	Once Per Month	COMP24
	PERMIT REQUIREMENT	*****	*****	*****	*****	<0.10		0	02/30	24
	PERMIT REQUIREMENT	*****	*****	*****	*****	2	mg/L	0	Once Per Month	COMP24

DATE	2008	05	20
YEAR	MO	DAY	

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT
George A. Goode

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.

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)**

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. #64
 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	04	01	08	04	30

No Discharge

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Phosphorus, total (as P)	*****		*****	*****	1.0		0	02/30	24
00665 1 0 Effluent Gross Cyanide, total (as CN)	*****		*****	*****	Req. Mon. DAILY MX	mg/L	0	Once Per Month	COMP24
00725 1 0 Effluent Gross Copper, total (as Cu)	*****		*****	*****	2.7		0	02/30	GR
01042 1 0 Effluent Gross Iron, total (as Fe)	*****		*****	*****	100 DAILY MX	ug/L	0	Twice Per Month	GRAB
01045 1 0 Effluent Gross Lead, total (as Pb)	*****		*****	*****	0.041		0	02/30	24
01051 1 0 Effluent Gross Nickel, total (as Ni)	*****		*****	*****	0.15 DAILY MX	mg/L	0	Once Per Month	COMP24
01067 1 0 Effluent Gross Silver, total (as Ag)	*****		*****	*****	0.05		0	02/30	24
01077 1 0 Effluent Gross	*****		*****	*****	0.37 DAILY MX	mg/L	0	Once Per Month	COMP24
SEE NOTE #1	*****		*****	*****	0.0014		0	02/30	24
SEE NOTE #1	*****		*****	*****	0.019 DAILY MX	mg/L	0	Once Per Month	COMP24
SEE NOTE #1	*****		*****	*****	0.0073		0	02/30	24
SEE NOTE #1	*****		*****	*****	0.11 DAILY MX	mg/L	0	Once Per Month	COMP24
SEE NOTE #1	*****		*****	*****	0.001		0	02/30	24
SEE NOTE #1	*****		*****	*****	0.015 DAILY MX	mg/L	0	Once Per Month	COMP24

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	
Principal Executive Officer		2008 05 20	
George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed		YEAR	MO
		DAY	
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	
<i>Michael Holland</i>		631-344-4549	

Comments and Explanation of any violations (Reference all attachments here)
 QUANTITIES OR CONCENTRATIONS OF RADIOACTIVITY IN EFFLUENT ARE SUBJECT TO REQUIREMENTS OF THE USDOE INCL BUT NOT LIMITED TO USDOE ORDER 5400.5. APPROX 15% OF STP DISCHARGE CAN BE TO GW VIA EXFILTRATION FROM SFB3. 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	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	04	01	08	04	30

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			
Zinc, total (as Zn)		*****		*****	*****	0.07		0	02/30	24
01092 1 0 Effluent Gross Toluene		*****		*****	*****	0.1 DAILY MX	mg/L	0	Once Per Month	COMP24
34010 1 0 Effluent Gross Methylene chloride		*****		*****	*****	<1		0	02/30	GR
34423 1 0 Effluent Gross 1, 1, 1 - Trichloroethane		*****		*****	*****	5 DAILY MX	ug/L	0	Twice Per Month	GRAB
		*****		*****	*****	<2		0	02/30	GR
		*****		*****	*****	5 DAILY MX	ug/L	0	Twice Per Month	GRAB
		*****		*****	*****	<1		0	02/30	GR
34506 1 0 Effluent Gross Flow, in conduit or thru treatment plant		*****		*****	*****	5 DAILY MX	ug/L	0	Twice Per Month	GRAB
		0.37		*****	*****	*****		0	99/99	RC
50050 1 0 Effluent Gross Mercury, total (as Hg)		*****		*****	*****	0.00006		0	02/30	24
		Req. Mon. DAILY MX	Mgal/d	*****	*****	0.0008 DAILY MX	mg/L	0	Once Per Month	COMP24
71900 1 0 Effluent Gross Coliform, fecal general		*****		*****	*****	<2		0	02/30	GR
74055 1 0 Effluent Gross		*****		*****	*****	200 DAILY AV	#/100mL	0	Once Per Month	GRAB
<p>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.</p>										
<p>NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed</p>										
<p>SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>George A. Goode</i></p>										
<p>DATE 2008 05 20</p>										
<p>YEAR MO DAY 2008 05 20</p>										
<p>TELEPHONE 631-344-4549</p>										

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)**

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	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 04 01	08 04 30

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				
2 - Butanone		*****		*****		<5	0	02/30	GR	
78356 1 0 Effluent Gross BOD, 5-day, percent removal		*****		*****	DAILY MX	ug/L	0	Twice Per Month	GRAB	
81010 K 0 Percent Removal Solids, suspended percent removal		*****		>98	*****	*****	0	01/30	CA	
81011 K 0 Percent Removal		*****		85 MO AV MN	*****	*****	0	Once Per Month	CALCTD	
		*****		>99	*****	*****	0	01/30	CA	
		*****		85 MO AV MN	*****	*****	0	Once Per Month	CALCTD	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	George A. Goode Division Manager Environmental & Waste Management Services Division	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	<i>George A. Goode</i>	DATE	2008 05 20
Comments and Explanation of any violations (Reference all attachments here)	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.				

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**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	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
06	04	01	06	04	30

No Discharge

PARAMETER	SAMPLE MEASUREMENT REQUIREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	VALUE	UNITS	VALUE			
pH		*****		7.3	*****	7.8		0	04/30	GR
00400 1 0 Effluent Gross Oil & grease		*****		Req. Mon. MINIMUM	*****	9 MAXIMUM	SU	0	Once Per Month	GRAB
00556 1 0 Effluent Gross		*****		*****	*****	<1.4		0	01/30	GR
Flow, in conduit or thru treatment plant		*****		*****	*****	15 DAILY MX	mg/L	0	Once Per Month	GRAB
50050 1 0 Effluent Gross		0.02		*****	*****	*****		0	04/30	RC
		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
			YEAR MO DAY 2008 05 20

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)**

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	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
08	04	01	08	04	30

No Discharge

PARAMETER	SAMPLE MEASUREMENT REQUIREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH		*****		7.2	*****	7.9		0	04/30	GR
00400 1 0 Effluent Gross Oil & grease		*****		Req. Mon. MINIMUM	*****	8.5 MAXIMUM	SU	0	Once Per Month	GRAB
SEE NOTE #1		*****		*****	*****	1.8		0	01/30	GR
00556 1 0 Effluent Gross Flow, in conduit or thru treatment plant		*****		*****	*****	15 DAILY MX	mg/L	0	Once Per Month	GRAB
50050 1 0 Effluent Gross		0.30		*****	*****	*****		0	04/30	RC
		Req. Mon. MO AV		*****	*****	*****			Once Per Month	RCORDR

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

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


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

NY0005635	007M
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
08	04	01	08	04	30

No Discharge

PARAMETER	SAMPLE MEASUREMENT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	VALUE	UNITS				
Flow rate		*****	120000	*****	*****	*****	0	19/30	IN	
00056 1 0 Effluent Gross pH		*****	Req. Mon. DAILY MX	*****	*****	*****		Once Per Month	INSTAN	
00400 1 0 Effluent Gross		*****	*****	7.0	*****	7.0	0	01/30	GR	
		*****	*****	Req. Mon. MINIMUM	*****	9 MAXIMUM		Once Per Month	GRAB	
						SU				

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	
			YEAR 2008 MO 05 DAY 20	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)**

Page 9

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

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

NY0005835	008M
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
06	04	01	08	04	30

No Discharge

PARAMETER	SAMPLE MEASUREMENT REQUIREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Flow rate	SEE NOTE #2	*****	540000	*****	*****	*****	*****	0	01/30	IN
00056 1 0 Effluent Gross	PH	*****	Reg. Mon. DAILY MX	*****	*****	*****	*****	0	Once Per Month	INSTAN
00400 1 0 Effluent Gross	Oil & grease	*****	*****	7.7	*****	7.7	*****	0	01/30	GR
00556 1 0 Effluent Gross	SEE NOTE #1	*****	*****	Reg. Mon. MINIMUM	*****	8.5	MAXIMUM	0	Once Per Month	GRAB
1, 1 - Dichloroethylene		*****	*****	*****	*****	<1.4	*****	0	01/30	GR
34501 1 0 Effluent Gross		*****	*****	*****	*****	15	DAILY MX	0	Once Per Month	GRAB
1, 1, 1 - Trichloroethylene		*****	*****	*****	*****	<1	*****	0	01/30	GR
34506 1 0 Effluent Gross		*****	*****	*****	*****	5	DAILY MX	0	Once Per Month	GRAB
		*****	*****	*****	*****	<1	*****	0	01/30	GR
		*****	*****	*****	*****	5	DAILY MX	0	Once Per Month	GRAB

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, and I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	DATE
George A. Goode Division Manager Environmental & Waste Management Services Division	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		
Typed or Printed			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

Page 9

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

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

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

NY0005835	010M
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD		FROM		TO	
YEAR	MO	DAY	YEAR	MO	DAY
08	04	01	08	04	30

No Discharge

PARAMETER	SAMPLE MEASUREMENT REQUIREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	VALUE	UNITS	UNITS			
Flow rate	SEE NOTE #2	*****	412000	*****	*****	*****	*****	0	01/30	IN
00056 1 0 Effluent Gross	Req. Mon. DAILY MIX	*****	*****	*****	*****	*****	*****	0	Once Per Month	INSTAN
pH	SAMPLE MEASUREMENT REQUIREMENT	*****	*****	8.0	*****	8.0	*****	0	01/30	GR
00400 1 0 Effluent Gross	Req. Mon. DAILY MIX	*****	*****	Req. Mon. MINIMUM	*****	8.5 MAXIMUM	SU	0	Once Per Month	GRAB
Oil & grease	SAMPLE MEASUREMENT REQUIREMENT	*****	*****	*****	*****	<1.4	*****	0	01/30	GR
00556 1 0 Effluent Gross	SEE NOTE #1	*****	*****	*****	*****	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 2008 05 20
			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


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
06 04 01	08 04 30

No Discharge

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	*****		7.3	*****	7.9		0	04/30	GR
00400 1 0 Effluent Gross Oil & grease	*****		Req. Mon. MINIMUM	*****	9 MAXIMUM	SU	0	Once Per Month	GRAB
SEE NOTE #1	*****		*****	*****	2.4		0	01/30	GR
00556 1 0 Effluent Gross	*****		*****	*****	15 DAILY MX	mg/L	0	Once Per Month	GRAB
Flow, in conduit or thru treatment plant	0.08		*****	*****	*****		0	04/30	RC
50050 1 0 Effluent Gross	*****	Mgal/d	*****	*****	*****		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 persons 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 05 20
Comments and Explanation of any violations (Reference all attachments here)		TELEPHONE 631-344-4549	

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	06EM
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
06	04	01	08	04	30

No Discharge

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
pH	*****	*****		7.3	*****	7.9	0	04/30	GR
00400 1 0 Effluent Gross Oil & grease	*****	*****		Req. Mon. MINIMUM	*****	9	0	Once Per Month	GRAB
SEE NOTE #1	*****	*****		*****	*****	1.7	0	01/30	GR
00556 1 0 Effluent Gross Flow, in conduit or thru treatment plant	*****	*****		*****	*****	15 DAILY MX	0	Once Per Month	GRAB
50050 1 0 Effluent Gross	0.09	*****	Mgal/d	*****	*****	*****	0	04/30	RC
	Req. Mon. DAILY AV	*****		*****	*****	*****		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 <i>George A. Goode</i>	DATE
			2008 05 20 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.

ATTACHMENT II

BROOKHAVEN NATIONAL LABORATORY

SPDES PERMIT NO. NY0005835

DISCHARGE MONITORING REPORT FOR APRIL 2008

ANALYTICAL RESULTS FROM H2M LABS

AND GENERAL ENGINEERING LABORATORIES, LLC

FOR REGULATORY COMPLIANCE SAMPLES COLLECTED

4/16/08 and 4/18/08

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. : 0804798-001

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25698-001

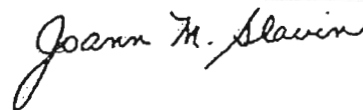
Collected : 4/16/2008 10:25:00 AM
Received : 4/16/2008 3:15:00 PM
Collected By CLIENT
Copies To : Original
CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Biochemical Oxygen Demand	< 2		1	mg/L	E405.1	04/17/2008 1:25 PM
Nitrogen, Total	3.6		1	mg/L	M4500-N C	04/22/2008
Nitrogen, Ammonia (As N)	< 0.10		1	mg/L	E350.1	04/22/2008 2:39 PM
Nitrite as N	< 0.01		1	mg/L	E353.2	04/17/2008 12:11 PM
Nitrate as N	3.21		5	mg/L	E353.2	04/21/2008 3:17 PM
Nitrogen, Kjeldahl, Total	0.37		1	mg/L	E351.2	04/18/2008 10:43 AM

Outfall 001
Sampled 4/16/08
24 hour composite

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

Date Reported : 4/28/2008



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. : 0804897-001A

Sample Information...

Type : Aqueous

Origin:

Client ID. : 25710-001

Collected 4/18/2008 10:00:00 AM

Received 4/18/2008 3:08:00 PM

Collected By : CLIENT

Copy : 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	04/18/2008 11:45 AM
Nitrite as N	< 0.01		1	mg/L	E353.2	04/19/2008 8:13 AM

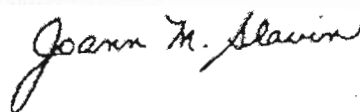
Outfall 001
Sampled 4/18/01
24 hour composite

Qualifiers: E - Value above quantitation range

D - Results for Dilution

D.F. = Dilution Factor

Date Reported :



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. : 0804897-001B

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25710-001

Collected 4/18/2008 10:00:00 AM

Received 4/18/2008 3:08:00 PM

Collected By : CLIENT

Copy : Original

CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Nitrogen, Total	2.6		1	mg/L	M4500-N C	04/23/2008
Nitrogen, Ammonia (As N)	< 0.10		1	mg/L	E350.1	04/22/2008 2:44 PM
Nitrate as N	2.10		5	mg/L	E353.2	04/21/2008 3:22 PM
Nitrogen, Kjeldahl, Total	0.47		1	mg/L	E351.2	04/23/2008 11:29 AM

Outfall 001

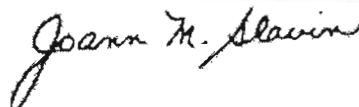
Sampled 4/18/08

24 hour composite

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

D.F. = Dilution Factor

Date Reported :



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. : 0804798-002

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25698-002

Collected : 4/16/2008 1:30:00 PM
Received : 4/16/2008 3:15:00 PM
Collected By CLIENT
Copies To : Original
CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Total Coliform	< 2		1	MPN	M9221 BC	04/16/2008 3:30 PM
Fecal Coliform	< 2		1	MPN	M9221 BC	04/16/2008 3:30 PM

Outfall 001
Sampled 4/16/08
Grab

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

D.F. = Dilution Factor

Date Reported : 4/28/2008

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. : **0804897-002A**

Sample Information...

Type : Aqueous

Origin:

Client ID. : 25710-002

Collected 4/18/2008 1:20:00 PM

Received 4/18/2008 3:08:00 PM

Collected By : CLIENT

Copy : **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	04/18/2008 3:20 PM
Fecal Coliform	< 2		1	MPN	M9221 BC	04/18/2008 3:20 PM

Outfall 001

Sampled 4/18/08

Grab

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

D.F. = Dilution Factor

Date Reported :

Joann M. Slavine

Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0804798-003

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25698-003

Collected : 4/16/2008 10:50:00 AM
Received : 4/16/2008 3:15:00 PM
Collected By CLIENT
Copies To : Original
CC

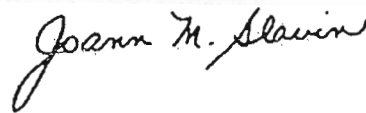
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Biochemical Oxygen Demand	85		1	mg/L	E405.1	04/17/2008 1:35 PM

STP Influent
Sampled 4/16/08
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 4/28/2008



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. : 0804897-003A

Sample Information...

Type : Aqueous

Origin:

Client ID. : 25710-003

Collected 4/18/2008 10:15:00 AM

Received 4/18/2008 3:08:00 PM

Collected By : CLIENT

Copy : Original

CC

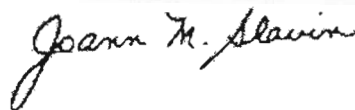
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Biochemical Oxygen Demand	127		1	mg/L	E405.1	04/18/2008 11:50 AM

STP Influent
Sampled 4/18/08
24 hour composite

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

D.F. = Dilution Factor

Date Reported :



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. : 0804798-004

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25698-004

Collected : 4/16/2008 11:00:00 AM
Received : 4/16/2008 3:15:00 PM
Collected By CLIENT
Copies To : Original
CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Biochemical Oxygen Demand	4		1	mg/L	E405.1	04/17/2008 1:40 PM
Nitrogen, Total	4.2		1	mg/L	M4500-N C	04/22/2008
Nitrogen, Ammonia (As N)	< 0.10		1	mg/L	E350.1	04/22/2008 2:43 PM
Nitrite as N	< 0.01		1	mg/L	E353.2	04/17/2008 12:14 PM
Nitrate as N	3.29		5	mg/L	E353.2	04/21/2008 3:21 PM
Nitrogen, Kjeldahl, Total	0.87		1	mg/L	E351.2	04/18/2008 10:46 AM

4/20
Clarifier Effluent
sampled 4/16/08
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 4/28/2008

Joann M. Slavin

Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : **0804897-004B**

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25710-004

Collected 4/18/2008 10:20:00 AM
Received 4/18/2008 3:08:00 PM
Collected By : CLIENT

Copy : **Original**
CC

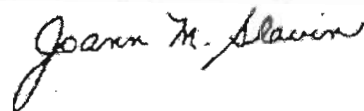
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Nitrogen, Total	4.9		1	mg/L	M4500-N C	04/23/2008
Nitrogen, Ammonia (As N)	< 0.10		1	mg/L	E350.1	04/22/2008 2:45 PM
Nitrate as N	3.51		5	mg/L	E353.2	04/21/2008 3:23 PM
Nitrogen, Kjeldahl, Total	1.38		1	mg/L	E351.2	04/23/2008 11:30 AM

Clan River Effluent
Sampled 4/18/08
24 hour composite

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

D.F. = Dilution Factor

Date Reported :



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. : 0804897-004A

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25710-004

Collected 4/18/2008 10:20:00 AM

Received 4/18/2008 3:08:00 PM

Collected By : CLIENT

Copy : Original

CC

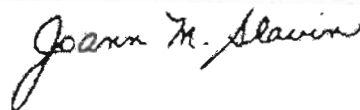
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Biochemical Oxygen Demand	4		1	mg/L	E405.1	04/18/2008 11:55 AM
Nitrite as N	0.01		1	mg/L	E353.2	04/19/2008 8:15 AM

Clarifier Effluent
Sampled 4/18/08
24 hour composite

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

D.F. = Dilution Factor

Date Reported :



Laboratory Manager

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 206876	Date Collected: 04/16/2008 13:30	Matrix: WATER
Lab Sample ID: 206876002	Date Received: 04/17/2008 13:30	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 25697-002	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 748127	Inst: VOA5.I	Dilution: 1
Run Date: 04/24/2008 01:15	Analyst: DXX1	Purge Vol: 5 mL
Prep Date: 04/24/2008 01:15		
Data File: 5h330.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 4/16/08
Grab

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 207024	Date Collected: 04/18/2008 13:20	Matrix: WATER
Lab Sample ID: 207024002	Date Received: 04/19/2008 09:45	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 25709-002	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 748642	Inst: VOA7.I	Dilution: 1
Run Date: 04/24/2008 19:26	Analyst: ACJ	Purge Vol: 5 mL
Prep Date: 04/24/2008 19:26		
Data File: 7h413.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	1.70	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 061
Sampled 4/18/08
Grab

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 206876

METHOD TYPE: EPA

SAMPLE ID: 206876001

CLIENT ID: 25697-001

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 17-APR-08

LEVEL: Low %SOLIDS:

CAS No	Analyte	Result	Units	C	Qual	M	MDL	DF	Instrument ID	Analytical Run
7439-97-6	Mercury	54.6	ng/L			AF	0.4	2	LLHG2	042208
7429-90-5	Aluminum	68	ug/L	U		P	68	1	OPTIMA3	042208-1
7440-36-0	Antimony	3	ug/L	U		P	3	1	OPTIMA3	042208-1
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS6	080424-3
7440-39-3	Barium	18.6	ug/L	B		P	1	1	OPTIMA3	042208-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA3	042208-1
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA3	042208-1
7440-70-2	Calcium	14500	ug/L			P	30	1	OPTIMA3	042208-1
7440-47-3	Chromium	2	ug/L	U		P	2	1	OPTIMA3	042208-1
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA3	042208-1
7440-50-8	Copper	36.6	ug/L			P	3	1	OPTIMA3	042208-1
7439-89-6	Iron	49.8	ug/L	B		P	25	1	OPTIMA3	042208-1
7439-92-1	Lead	1.2	ug/L	B		MS	0.5	1	ICPMS6	080423-2
7439-95-4	Magnesium	4140	ug/L	B		P	85	1	OPTIMA3	042208-1
7439-96-5	Manganese	2.6	ug/L	B		P	2	1	OPTIMA3	042208-1
7440-02-0	Nickel	6.5	ug/L	B		P	1	1	OPTIMA3	042208-1
7440-09-7	Potassium	5450	ug/L			P	50	1	OPTIMA3	042208-1
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS6	080423-2
7440-22-4	Silver	1	ug/L	U		P	1	1	OPTIMA3	042208-1
7440-23-5	Sodium	44100	ug/L			P	45	1	OPTIMA3	042208-1
7440-28-0	Thallium	0.480	ug/L	B		MS	0.3	1	ICPMS6	080423-2
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA3	042208-1
7440-62-2	Vanadium	3.6	ug/L	B		P	1	1	OPTIMA3	042208-1
7440-66-6	Zinc	62.7	ug/L			P	2	1	OPTIMA3	042208-1

Outfall 001
Sampled 4/16/08
24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 207024

METHOD TYPE: EPA

SAMPLE ID: 207024001

CLIENT ID: 25709-001

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 19-APR-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	62.8	ng/L			AF	0.4	2	LLHG2	042308
7429-90-5	Aluminum	68	ug/L	U		P	68	1	OPTIMA3	042308-1
7440-36-0	Antimony	3	ug/L	U		P	3	1	OPTIMA3	042308-1
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS5	080423-2
7440-39-3	Barium	17.3	ug/L	B		P	1	1	OPTIMA3	042308-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA3	042308-1
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA3	042308-1
7440-70-2	Calcium	13000	ug/L			P	30	1	OPTIMA3	042308-1
7440-47-3	Chromium	2	ug/L	U		P	2	1	OPTIMA3	042308-1
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA3	042308-1
7440-50-8	Copper	40.6	ug/L			P	3	1	OPTIMA3	042308-1
7439-89-6	Iron	48.5	ug/L	B		P	25	1	OPTIMA3	042308-1
7439-92-1	Lead	1.4	ug/L	B		MS	0.5	1	ICPMS5	080423-2
7439-95-4	Magnesium	3930	ug/L	B		P	85	1	OPTIMA3	042308-1
7439-96-5	Manganese	2	ug/L	U		P	2	1	OPTIMA3	042308-1
7440-02-0	Nickel	7.3	ug/L	B		P	1	1	OPTIMA3	042308-1
7440-09-7	Potassium	5800	ug/L		E	P	50	1	OPTIMA3	042308-1
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS5	080424-3
7440-22-4	Silver	1.3	ug/L	B		P	1	1	OPTIMA3	042308-1
7440-23-5	Sodium	41800	ug/L			P	45	1	OPTIMA3	042308-1
7440-28-0	Thallium	0.350	ug/L	B		MS	0.3	1	ICPMS5	080423-2
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA3	042308-1
7440-62-2	Vanadium	4.1	ug/L	B		P	1	1	OPTIMA3	042308-1
7440-66-6	Zinc	67.6	ug/L			P	2	1	OPTIMA3	042308-1

Out fall 001
sampled 4/18/08
24 hour Composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 206876

METHOD TYPE:SW846

SAMPLE ID: 206876003

CLIENT ID: 25697-003

CONTRACT: BRKL00504

MATRIX:W

DATE RECEIVED 17-APR-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>
7429-90-5	Aluminum	380	ug/L			P	68	1	OPTIMA3	042208-1
7440-36-0	Antimony	3	ug/L	U		P	3	1	OPTIMA3	042208-1
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS6	080424-3
7440-39-3	Barium	90.1	ug/L	B		P	1	1	OPTIMA3	042208-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA3	042208-1
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA3	042208-1
7440-70-2	Calcium	15100	ug/L			P	30	1	OPTIMA3	042208-1
7440-47-3	Chromium	4.2	ug/L	B		P	2	1	OPTIMA3	042208-1
7440-48-4	Cobalt	1.5	ug/L	B		P	1	1	OPTIMA3	042208-1
7440-50-8	Copper	351	ug/L			P	3	1	OPTIMA3	042208-1
7439-89-6	Iron	1920	ug/L			P	25	1	OPTIMA3	042208-1
7439-92-1	Lead	16.2	ug/L			MS	0.5	1	ICPMS6	080423-2
7439-95-4	Magnesium	4600	ug/L	B		P	85	1	OPTIMA3	042208-1
7439-96-5	Manganese	67.9	ug/L			P	2	1	OPTIMA3	042208-1
7439-97-6	Mercury	0.250	ug/L			AV	0.03	1	MER536	042508W1-4
7440-02-0	Nickel	17.1	ug/L	B		P	1	1	OPTIMA3	042208-1
7440-09-7	Potassium	7150	ug/L			P	50	1	OPTIMA3	042208-1
7782-49-2	Selenium	1.2	ug/L	B		MS	1	1	ICPMS6	080423-2
7440-22-4	Silver	1.6	ug/L	B		P	1	1	OPTIMA3	042208-1
7440-23-5	Sodium	43200	ug/L			P	45	1	OPTIMA3	042208-1
7440-28-0	Thallium	0.30	ug/L	U		MS	0.3	1	ICPMS6	080423-2
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA3	042208-1
7440-62-2	Vanadium	9.8	ug/L	B		P	1	1	OPTIMA3	042208-1
7440-66-6	Zinc	212	ug/L			P	2	1	OPTIMA3	042208-1

STP Influent
Sampled 4/16/08
24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 207024

METHOD TYPE: SW846

SAMPLE ID: 207024003

CLIENT ID: 25709-003

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 19-APR-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>
7429-90-5	Aluminum	658	ug/L			P	68	1	OPTIMA3	042308-1
7440-36-0	Antimony	3	ug/L	U		P	3	1	OPTIMA3	042308-1
7440-38-2	Arsenic	5.8	ug/L	B		MS	1.5	1	ICPMS5	080423-2
7440-39-3	Barium	139	ug/L	B		P	1	1	OPTIMA3	042308-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA3	042308-1
7440-43-9	Cadmium	1.7	ug/L	B		P	1	1	OPTIMA3	042308-1
7440-70-2	Calcium	18300	ug/L			P	30	1	OPTIMA3	042308-1
7440-47-3	Chromium	9.9	ug/L	B		P	2	1	OPTIMA3	042308-1
7440-48-4	Cobalt	3.1	ug/L	B		P	1	1	OPTIMA3	042308-1
7440-50-8	Copper	504	ug/L			P	3	1	OPTIMA3	042308-1
7439-89-6	Iron	2520	ug/L			P	25	1	OPTIMA3	042308-1
7439-92-1	Lead	20.4	ug/L			MS	0.5	1	ICPMS5	080423-2
7439-95-4	Magnesium	5800	ug/L			P	85	1	OPTIMA3	042308-1
7439-96-5	Manganese	242	ug/L			P	2	1	OPTIMA3	042308-1
7439-97-6	Mercury	0.960	ug/L			AV	0.03	1	MER536	042808W1-4
7440-02-0	Nickel	26.6	ug/L	B		P	1	1	OPTIMA3	042308-1
7440-09-7	Potassium	8790	ug/L		E	P	50	1	OPTIMA3	042308-1
7782-49-2	Selenium	2.4	ug/L	B		MS	1	1	ICPMS5	080424-3
7440-22-4	Silver	1.8	ug/L	B		P	1	1	OPTIMA3	042308-1
7440-23-5	Sodium	47300	ug/L			P	45	1	OPTIMA3	042308-1
7440-28-0	Thallium	0.30	ug/L	U		MS	0.3	1	ICPMS5	080423-2
7440-31-5	Tin	8.6	ug/L	B		P	2.5	1	OPTIMA3	042308-1
7440-62-2	Vanadium	15	ug/L	B		P	1	1	OPTIMA3	042308-1
7440-66-6	Zinc	336	ug/L			P	2	1	OPTIMA3	042308-1

STP Influent
sampled 4/18/08
24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 206876

METHOD TYPE:EPA

SAMPLE ID: 206876005

CLIENT ID: 25697-005

CONTRACT: BRKL00504

MATRIX:W

DATE RECEIVED 17-APR-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	14.2	ng/L			AF	0.2	1	LLHG2	042208

clarifier Effluent
sampled 4/16/08
24 hour composite

METALS
 -1-
 INORGANICS ANALYSIS DATA PACKAGE

SDG No: 207024

METHOD TYPE: EPA

SAMPLE ID: 207024005

CLIENT ID: 25709-005

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 19-APR-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	18.6	ng/L			AF	0.2	1	LLHG2	042308

Classifier Effluent
 Sampled 4/18/08
 24 hour composite

GEL LABORATORIES LLC

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

Certificate of Analysis

Company : Brookhaven National Laboratory
Address : Building 51
Upton, New York 11973--5000
Contact: Mr. John Burke
Project: ES SPDES--Summary

Report Date: April 28, 2008

Client Sample ID: 25697-001
Sample ID: 206876001
Matrix: Water
Collect Date: 16-APR-08 10:25
Receive Date: 17-APR-08 13:30
Collector: Client
Project: BRKL00504
Client ID: BRKL005
COC: 25697
Samp Recv.:
Client Desc.: STP Effluent

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Nutrient Analysis Federal											
<i>EPA 365.4 Phosphorus, Total in "As Received"</i>											
Phosphorus, Total as P		0.750	0.024	0.050	mg/L	1	AXH3	04/25/08	0951	746674	1
Solids Analysis Federal											
<i>EPA 160.2 Total Suspended Liq "As Received"</i>											
Total Suspended Solids	U	0.300	0.570	2.50	mg/L		NXM	04/18/08	1043	746710	2

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
EPA 365.4 Prep	EPA 365.4 Phosphorus, Total in liquid-Fe	SXK1	04/18/08	1344	746672

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 365.4	
2	EPA 160.2	

Out fall 001
Sampled 4/16/08
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: April 30, 2008

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

Client Sample ID: 25709-001
Sample ID: 207024001
Matrix: Water
Collect Date: 18-APR-08 10:00
Receive Date: 19-APR-08 09:45
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25709
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 "As Received"</i>										
Phosphorus, Total as P		0.955	0.024	0.050	mg/L	1	AXH3 04/25/08	1306	747548	1
Solids Analysis Federal										
<i>EPA 160.2 Total Suspended Liq "As Received"</i>										
Total Suspended Solids	U	-0.20	1.14	5.00	mg/L		NXM 04/22/08	1144	747587	2

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
EPA 365.4 Prep	EPA 365.4 Phosphorus, Total in liquid-Fe	SXK1	04/22/08	1245	747547

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 365.4	
2	EPA 160.2	

Outfall 001
Sampled 4/18/08
24 hour composite

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Certificate of Analysis

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

Report Date: April 28, 2008

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

Client Sample ID: 25697-002
Sample ID: 206876002
Matrix: Water
Collect Date: 16-APR-08 13:30
Receive Date: 17-APR-08 13:30
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25697
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 "As Received"</i>										
Cyanide, Total	U	0.016	1.50	5.00	ug/L	1	AXH3 04/21/08	1524	746662	1

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 9010B Prep	SW846 9010B Prep	AXS5	04/18/08	1352	746656

The following Analytical Methods were performed

Method	Description	Analyst Comments
I	SW846 9012A	

Outfall 001
Sampled 4/16/08
Grab

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Certificate of Analysis

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

Report Date: April 30, 2008

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

Client Sample ID: 25709-002
Sample ID: 207024002
Matrix: Water
Collect Date: 18-APR-08 13:20
Receive Date: 19-APR-08 09:45
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25709
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 "As Received"</i>											
Cyanide, Total	J	2.67	1.50	5.00	ug/L	1	AXH3	04/22/08	1419	747557	1

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 9010B Prep	SW846 9010B Prep	AXS5	04/22/08	1324	747556

The following Analytical Methods were performed

Method	Description	Analyst	Comments
1	SW846 9012A		

outfall 001
sampled 4/18/08
Grab

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Certificate of Analysis

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

Report Date: April 28, 2008

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

Client Sample ID: 25697-003
Sample ID: 206876003
Matrix: Water
Collect Date: 16-APR-08 10:50
Receive Date: 17-APR-08 13:30
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25697
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		117	5.70	25.0	mg/L		NXM 04/18/08	1043	746710	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
I	EPA 160.2	

STP Influent
Sampled 4/16/08
24 hour composite

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Certificate of Analysis

Company : Brookhaven National Laboratory
Address : Building 51
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Report Date: April 30, 2008

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

Client Sample ID: 25709-003
Sample ID: 207024003
Matrix: Water
Collect Date: 18-APR-08 10:15
Receive Date: 19-APR-08 09:45
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25709
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		180	5.18	22.7	mg/L		NXM 04/22/08	1144	747587	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
I	EPA 160.2	

STP Influent
Sampled 4/18/08
24 hour composite

ATTACHMENT III

BROOKHAVEN NATIONAL LABORATORY

SPDES PERMIT NO. NY0005835

DISCHARGE MONITORING REPORT FOR APRIL 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

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Certificate of Analysis

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

Report Date: April 30, 2008

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

Client Sample ID: 25662-005
Sample ID: 206306005
Matrix: Water
Collect Date: 04-APR-08 14:45
Receive Date: 09-APR-08 09:35
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25662
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	2.00	1.40	5.00	mg/L	JXT1	04/22/08 0957	747540	1	

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

outfall 002B (1004/1002)
sampled 4/7/08

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Certificate of Analysis

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

Report Date: April 30, 2008

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

Client Sample ID: 25662-003
Sample ID: 206306003
Matrix: Water
Collect Date: 07-APR-08 14:17
Receive Date: 09-APR-08 09:35
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25662
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	U	1.30	1.40	5.00	mg/L	JXT1	04/22/08	0828	747540	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

outfall 002 (HN)
sampled 4/7/08

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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
Upton, New York 11973--5000

Report Date: April 30, 2008

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

Client Sample ID: 25662-004
Sample ID: 206306004
Matrix: Water
Collect Date: 07-APR-08 15:00
Receive Date: 09-APR-08 09:35
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25662
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	1.80	1.40	5.00	mg/L	JXT1	04/22/08	0828	747540	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
I	EPA 1664A	

Outfall 005 (HS)
Sampled 4/7/08

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Certificate of Analysis

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

Report Date: April 30, 2008

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

Client Sample ID: 25662-001
Sample ID: 206306001
Matrix: Water
Collect Date: 07-APR-08 14:45
Receive Date: 09-APR-08 09:35
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25662
Samp Recv.:
Client Desc.: HT-W

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 "As Received"</i>											
Oil and Grease	J	2.40	1.40	5.00	mg/L	JXT1	04/22/08	0828	747540	1	

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

outfall 006A (HT-w)
sampled 4/7/08

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Certificate of Analysis

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

Report Date: April 30, 2008

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

Client Sample ID: 25662-002
Sample ID: 206306002
Matrix: Water
Collect Date: 07-APR-08 14:37
Receive Date: 09-APR-08 09:35
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25662
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	1.70	1.40	5.00	mg/L		JXT1 04/22/08	0828	747540	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 006B (HT-E)
Sampled 4/7/08

**Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 206156	Date Collected: 04/04/2008 10:55	Matrix: WATER
Lab Sample ID: 206156001	Date Received: 04/05/2008 09:30	
Client Sample: HW	Client: BRKL005	Project: BRKL00504
Client ID: 25606-001	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 744337	Inst: VOA7.I	Dilution: 1
Run Date: 04/11/2008 00:54	Analyst: SJW1	Purge Vol: 5 mL
Prep Date: 04/11/2008 00:54		
Data File: 7f432.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 4/4/08

GEL LABORATORIES LLC

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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: April 22, 2008

Client Sample ID: 25606-001
Sample ID: 206156001
Matrix: Water
Collect Date: 04-APR-08 10:55
Receive Date: 05-APR-08 09:30
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25606
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	U	1.20	1.40	5.00	mg/L	JXT1	04/16/08	0709	745790	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 008 (HW)
Sampled 4/4/08

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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
Upton, New York 11973--5000

Report Date: April 22, 2008

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

Client Sample ID: 25606-002
Sample ID: 206156002
Matrix: Water
Collect Date: 04-APR-08 10:40
Receive Date: 05-APR-08 09:30
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25606
Samp Recv.:
Client Desc.: CSF Outfall

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Oil & Grease Analysis Federal										
<i>EPA 1664A n-Hexane Extractable Material (Oil and G "As Received"</i>										
Oil and Grease	U	1.00	1.40	5.00	mg/L	JXT1	04/16/08	0709	745790	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

outfall 010 (CSF)
sampled 4/4/08