

DOC



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

July 22, 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 June 2008**

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

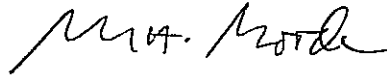
Collection and analysis of these samples are performed in accordance with the BNL Quality Assurance (QA) Program that specifies the standard operating procedures for collection and analysis of samples, QA data requirements, validation of contractor analytical data, and QA inspections performed periodically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

GAG/JR:mjt

- Attachment I: Discharge Monitoring Report for June 2008.
- Attachment II: Analytical Results from H2M Labs Inc. and General Engineering Laboratories, LLC for samples collected on 6/4/08, 6/6/08, and 6/9/08 from Outfall 001 (BNL Use Only).
- Attachment III: Analytical Results from General Engineering Laboratories, LLC and CHEMTEX Environmental Laboratory, Inc. for samples collected from Outfalls 001A, 001B, 001F, 002, 002B, 005, 006A, 006B, 008, and 010 (BNL Use Only).

cc: M. Bebon, w/o Attachments
G. Goode, w/o Attachments
M. Holland, w/o Attachments
C. Kao, w/all Attachments
E. Lessard, w/ all Attachments
E. Murphy, w/ all Attachments
J. Remien, w/ all Attachments
R. Sorrentino, NYSDEC, w/ Attachment I
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 June 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. Two individual photographic processors had generated photographic rinse waters discharged from Building 197B. However, in late 2003 the photographic processors were shutdown resulting in no discharge from Outfall 001D for this time period.
4. PCBs were not detected above the detection limit for any congener.
5. There was no discharge from Outfall 001E during this reporting period.

ATTACHMENT I
BROOKHAVEN NATIONAL LABORATORY
SPDES PERMIT NO. NY0005835
DISCHARGE MONITORING REPORT FOR JUNE 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


DMR MAILING ZIP CODE: 11973
 MAJOR (SUBR 01)
 ACID/CAUSTIC CLEANG RINSE 535B
 External Outfall

NY0005835	001A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD					
FROM	TO				
YEAR	MO	DAY	YEAR	MO	DAY
08	04	01	08	05	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		1560								
00056 1 0 Effluent Gross	Req Mon DAILY		gall/d				0	03/90	Quarterly	RCORDR
pH				6.3			0	01/90	Quarterly	GR
00400 1 0 Effluent Gross	Req Mon								Quarterly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 	DATE
			YEAR 2008 MO 07 DAY 22
Comments and Explanation of any violations (Reference all attachments here) NO CHANGES OR ADDITIONS OF CHEMICALS TO COOLING OR BOILER WATER W/O PRIOR NYSDEC APPROVAL. SAMPLES TO BE COLLECTED FROM A DEDICATED DRAIN OR HOLDING TANKS PRIOR TO DISCH TO SEWER COLLECTION SYSTEM. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS, AND REQUIREMENTS.		TELEPHONE 631-344-4548	

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

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

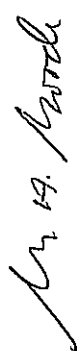
NAME BROOKHAVEN NATIONAL LABORATORY
 ADDRESS 53 BELL AVENUE, BLDG 464
 UPTON, NY 11973
 FACILITY BROOKHAVEN NATIONAL LABORATORY
 LOCATION 53 BELL AVENUE, BLDG 464
 UPTON, NY 11973
 ATTN: MICHAEL HOLLAND, OFFICE MGR

NY0005835 PERMIT NUMBER
 001B DISCHARGE NUMBER

DMR MAILING ZIP CODE: 11973
 MAJOR (SUBR 01)
 RINSE FROM CENTRL DEGREASR 498
 External Outfall

MONITORING PERIOD
 FROM TO
 YEAR MO DAY YEAR MO DAY
 2008 04 01 2008 06 30

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	230	*****	*****	*****	*****	*****	0	01/90	RC	
00056 1 0 Effluent Gross	Req Mon DAILY	*****	gal/d	*****	*****	*****	0	Quarterly	RCORDR	
pH	*****	*****	*****	6.0	*****	6.0	0	01/90	GR	
00400 1 0 Effluent Gross	Req Mon DAILY	*****	*****	Req Mon MINIMUM	*****	Req Mon MAXIMUM	0	Quarterly	GRAB	
Chromium, total (as Cr)	*****	*****	*****	*****	*****	4.8	0	01/90	GR	
01034 1 0 Effluent Gross	Req Mon DAILY	*****	*****	Req Mon MINIMUM	*****	Req Mon DAILY/MX	0	Quarterly	GRAB	
Copper, total (as Cu)	*****	*****	*****	*****	*****	133	0	01/90	GR	
01042 1 0 Effluent Gross	Req Mon DAILY	*****	*****	Req Mon MINIMUM	*****	Req Mon DAILY/MX	0	Quarterly	GRAB	
Iron, total (as Fe)	*****	*****	*****	*****	*****	248	0	01/90	GR	
01045 1 0 Effluent Gross	Req Mon DAILY	*****	*****	Req Mon MINIMUM	*****	Req Mon DAILY/MX	0	Quarterly	GRAB	
Manganese, total (as Mn)	*****	*****	*****	*****	*****	2.0	0	01/90	GR	
01055 1 0 Effluent Gross	Req Mon DAILY	*****	*****	Req Mon MINIMUM	*****	Req Mon DAILY/MX	0	Quarterly	GRAB	
Nickel, total (as Ni)	*****	*****	*****	*****	*****	1.1	0	01/90	GR	
01067 1 0 Effluent Gross	Req Mon DAILY	*****	*****	Req Mon MINIMUM	*****	Req Mon DAILY/MX	0	Quarterly	GRAB	
SEE NOTE #1										
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 ensure 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.										
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed										DATE 2008 07 22 YEAR MO DAY TELEPHONE 631-344-4649
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 										

NO CHANGES OR ADDITIONS OF CHEMICALS TO COOLING OR BOILER WATER W/O PRIOR NYSDEC APPROVAL. SAMPLES TO BE COLLECTED FROM A DEDICATED DRAIN OR HOLDING TANKS PRIOR TO DISCH TO SEWER COLLECTION SYSTEM. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS, AND REQUIREMENTS.

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

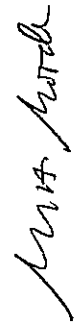
PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)
 NAME BROOKHAVEN NATIONAL LABORATORY
 ADDRESS 53 BELL AVENUE, BLDG 464
 UPTON, NY 11973
 FACILITY BROOKHAVEN NATIONAL LABORATORY
 LOCATION 53 BELL AVENUE, BLDG 464
 UPTON, NY 11973
 ATTN: MICHAEL HOLLAND, OFFICE MGR

NY0005835	001B
PERMIT NUMBER	DISCHARGE NUMBER
MONITORING PERIOD	
FROM	TO
YEAR MO DAY	YEAR MO DAY
08 04 01	06 05 30

DMR MAILING ZIP CODE: 11973
 MAJOR (SUBR 01)
 RINSE FROM CENTRL DEGREASR 498
 External Outfall

No Discharge

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Zinc, total (as Zn)	*****		*****	*****	22.8		0	01/90	GR
01092 1 0 Effluent Gross					Req. Mon DAILY MX	ug/L		Quarterly	GRAB
Bis (2-ethylhexyl) phthalate SEE NOTE #1	*****		*****	*****	5.7		0	01/90	GR
39100 1 0 Effluent Gross					Req. Mon DAILY MX	ug/L		Quarterly	GRAB
Di-n-butyl phthalate	*****		*****	*****	<10		0	01/90	GR
39110 1 0 Effluent Gross					Req. Mon DAILY MX	ug/L		Quarterly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	DATE 2008 07 22
			YEAR MO DAY 2008 07 22
Comments and Explanation of any violations (Reference all attachments here) NO CHANGES OR ADDITIONS OF CHEMICALS TO COOLING OR BOILER WATER W/O PRIOR NYSDEC APPROVAL. SAMPLES TO BE COLLECTED FROM A DEDICATED DRAIN OR HOLDING TANKS PRIOR TO DISCH TO SEWER COLLECTION SYSTEM. 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	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	TO
06	06	08	06	30	30

No Discharge

PARAMETER	SAMPLE MEASUREMENT REQUIREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	UNITS	VALUE	UNITS			
pH	SAMPLE MEASUREMENT REQUIREMENT	*****		7.4		*****		0	01/30	GR
00400 1 0 Effluent Gross Oil & grease	SAMPLE MEASUREMENT REQUIREMENT	*****		Req'd Mon. MINIMUM	9	*****	MAXIMUM	0	Once Per Month	GRAB
00556 1 0 Effluent Gross	SAMPLE MEASUREMENT REQUIREMENT	*****		*****	2.3	*****		0	01/30	GR
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT REQUIREMENT	*****		*****	15	*****	DAILY/MX	0	Once Per Month	GRAB
50050 1 0 Effluent Gross	SAMPLE MEASUREMENT REQUIREMENT	0.00005		*****		*****		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 <i>George A. Goode</i>	DATE
			YEAR 2008 MO 07 DAY 22
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.		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 PERMIT NUMBER DISCHARGE NUMBER 001E

DMR MAILING ZIP CODE: 11973
 MAJOR (SUBR 01)

BOILER BLOWDN FROM 244,405,ETC
 External Outfall

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

No Discharge X

PARAMETER	SAMPLE MEASUREMENT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	VALUE	UNITS	VALUE			
Flow rate	SEE NOTE #5	*****		*****		*****		0		RC
00056 1 0 Effluent Gross	PERMIT DAILY AV	*****	gal/d	*****	*****	*****		Quarterly	RCORDR	
pH	SAMPLE MEASUREMENT REQUIREMENT	*****		*****		*****		0		GR
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****		*****	Req Min MINIMUM	*****	SU	Quarterly	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 07 22	YEAR MO DAY
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	
<i>Michael Holland</i>		631-344-4540	

Comments and Explanation of any violations (Reference all attachments here)
 NO CHANGES OR ADDITIONS OF CHEMICALS TO COOLING OR BOILER WATER W/O PRIOR NYDEC APPROVAL. SAMPLES TO BE COLLECTED FROM A DEDICATED DRAIN OR HOLDING TANKS PRIOR TO DISCHARGE TO SEWER COLLECTION SYSTEM. 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

PERMIT NUMBER	NY0005895	DISCHARGE NUMBER	001F
MONITORING PERIOD		TO	
FROM	YEAR	MO	DAY
08	04	08	30

DMR MAILING ZIP CODE: 11973
 MAJOR (SUBR 01)
 COOLING TOWER WTR & BLOWDN 902
 External Outfall

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		900	*****	*****	*****		0	03/90	RC	
00056 1 0 Effluent Gross	Req Mon DAILY AV							Quarterly	RCORP	
pH		*****	*****	8.1	*****	8.1	0	01/90	GR	
00400 1 0 Effluent Gross				Req Mon MINIMUM		Req Mon MAXIMUM		Quarterly	GRAB	
Propylene glycol monobutyl ether		*****	*****	*****	*****	<500	0	01/90	GR	
49875 1 0 Effluent Gross				Req Mon DAILY MX		ug/L		Quarterly	GRAB	

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goodb 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 07 22 YEAR MO DAY

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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	001M
PERMIT NUMBER	DISCHARGE NUMBER
MONITORING PERIOD	
FROM	TO
YEAR MO DAY	YEAR MO DAY
08 06 01	08 06 30

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

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	VALUE			
Temperature, water deg. Fahrenheit		*****	*****	*****	*****	77		0	01/01	GR
00011 1 0 Effluent Gross BOD, 5-day, 20 deg. C		*****	*****	< 2	90 DAILY MX	deg F		0	Daily	GRAB
00310 1 0 Effluent Gross pH		*****	*****	< 2	10 DAILY AV	mg/L		0	03/30	24
00400 1 0 Effluent Gross Solids, total suspended		*****	*****	6.3	50 MINIMUM	SU		0	Once Per Month	COMP24
00530 1 0 Effluent Gross Solids, settleable		*****	*****	< 1.0	9 MAXIMUM	SU		0	01/01	GR
00545 1 0 Effluent Gross Nitrogen, total (as N)		*****	*****	< 1.0	20 DAILY AV	mg/L		0	Daily	GRAB
00600 1 0 Effluent Gross Nitrogen, ammonia total (as N)		*****	*****	0.0	20 DAILY AV	mg/L		0	Once Per Month	COMP24
00610 1 0 Effluent Gross		*****	*****	5	10 DAILY MX	mg/L		0	01/01	GR
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed	*****	*****	< 0.1	2 DAILY MX	mg/L		0	Daily	GRAB
		*****	*****	*****	*****	*****		0	03/30	24
		*****	*****	*****	*****	*****		0	Once Per Month	COMP24
		*****	*****	*****	*****	*****		0	03/30	24
		*****	*****	*****	*****	*****		0	Once Per Month	COMP24

DATE: 2008 07 22
 YEAR: 2008
 MO: 07
 DAY: 22
 TELEPHONE: 631-344-4549

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

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 EXFLT. 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
MONITORING PERIOD	
FROM	TO
YEAR MO DAY	YEAR MO DAY
2008 05 01	2008 05 30

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

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				
Phosphorus, total (as P)	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	1.6		0	03/30	24
00665 1 0 Effluent Gross	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	Req Mon DAILY MX	mg/L	0	Once Per Month	COMP24
Cyanide, total (as CN)	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	1.9		0	03/30	GR
00720 1 0 SEE NOTE #1	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	1.00	ug/L	0	Twice Per Month	GRAB
Effluent Gross (AS CU)	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	0.056		0	03/30	24
01042 1 0 Effluent Gross	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	0.15	mg/L	0	Once Per Month	COMP24
Iron, total (as Fe)	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	0.23		0	03/30	24
01045 1 0 Effluent Gross	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	0.37	mg/L	0	Once Per Month	COMP24
Lead, total (as Pb)	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	0.0013		0	03/30	24
01051 1 0 Effluent Gross	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	0.019	mg/L	0	Once Per Month	COMP24
Nickel, total (as Ni)	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	0.009		0	03/30	24
01067 1 0 Effluent Gross	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	0.11	mg/L	0	Once Per Month	COMP24
Silver, total (as Ag)	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	0.0023		0	03/30	24
01077 1 0 Effluent Gross	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	0.015	mg/L	0	Once Per Month	COMP24

DATE	2008	07	22
YEAR	MO	DAY	
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			
<i>George A. Goode</i>			
TELEPHONE			
631-344-4548			

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 EXFLT. 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 MO DAY YEAR MO DAY
 08 06 08 06 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	VALUE			
Zinc, total (as Zn)	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	0.06	*****	0	03/30	24
01092 1 0 Effluent Gross	MEASUREMENT PERMIT REQUIREMENT	*****	*****	01 DAILY MX	*****	*****	*****	0	Once Per Month	COMP24
Toluene	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	<1	*****	0	03/30	GR
34010 1 0 Effluent Gross	MEASUREMENT PERMIT REQUIREMENT	*****	*****	5 DAILY MX	*****	*****	*****	0	Twice Per Month	GRAB
Methylene chloride	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	<2	*****	0	03/30	GR
34423 1 0 Effluent Gross	MEASUREMENT PERMIT REQUIREMENT	*****	*****	5 DAILY MX	*****	*****	*****	0	Twice Per Month	GRAB
1, 1, 1 - Trichloroethane	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	<1	*****	0	03/30	GR
34506 1 0 Effluent Gross	MEASUREMENT PERMIT REQUIREMENT	*****	*****	5 DAILY MX	*****	*****	*****	0	Twice Per Month	GRAB
Flow, in conduit or thru treatment plant	MEASUREMENT PERMIT REQUIREMENT	0.48	0.62	*****	*****	*****	*****	0	99/99	RC
50050 1 0 Effluent Gross	MEASUREMENT PERMIT REQUIREMENT	*****	*****	2.3 DAILY MX	*****	*****	*****	0	Continuous	RCORDR
Mercury, total (as Hg)	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	0.0001	*****	0	03/30	24
71900 1 0 Effluent Gross	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	0.0008 DAILY MX	*****	0	Once Per Month	COMP24
Coliform, fecal general	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	4	8	*****	0	03/30	GR
74055 1 0 Effluent Gross	MEASUREMENT PERMIT REQUIREMENT	*****	*****	200 DAILY AV	*****	400 DAILY MX	*****	0	Once Per Month	GRAB

DATE 2008 07 22
 YEAR MO DAY
 TELEPHONE 631-344-1549

Michael Holland
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

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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 QUANTITIES OR CONCENTRATIONS OF RADIOACTIVITY IN EFFLUENT ARE SUBJECT TO REQUIREMENTS OF THE USDOE INCL BUT NOT LIMITED TO USDOE ORDER 54000.5. 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

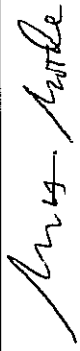
NY0005835	00TM
PERMIT NUMBER	DISCHARGE NUMBER

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 06 08	06 06 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	03/30	GR
78356 1 0 Effluent Gross BOD, 5-day, percent removal		*****		*****		50 DAILY MIX	ug/L	0	Twice Per Month	GRAB
81010 K 0 Percent Removal Solids, suspended percent removal		*****		*****		85 MO/AV/MN	%	0	Once Per Month	CALC'D
81011 K 0 Percent Removal		*****		*****		85 MO/AV/MN	%	0	Once Per Month	CALC'D

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 07 22
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	631-344-4549

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

NY0005635	002M
PERMIT NUMBER	DISCHARGE NUMBER
MONITORING PERIOD	
FROM	TO
YEAR MO DAY	YEAR MO DAY
08 06 01	08 06 30

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

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		7.1		*****		8.0		0	04/30	GR
00400 1 0 Effluent Gross Oil & grease		Req. Min. MINIMUM		*****		9 MAXIMUM	SU	0	Once Per Month	GRAB
SEE NOTE #1		*****		*****		2.4		0	01/30	GR
00555 1 0 Effluent Gross Flow, in conduit or thru treatment plant		Req. Min. DAILY/AV		*****		15 DAILY/ MAX	mg/L	0	Once Per Month	GRAB
50050 1 0 Effluent Gross		0.03		*****		*****		0	04/30	RC
		Req. Min. DAILY/AV		*****		*****		0	Once Per Month	RCORDR

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goods 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
			YEAR MO DAY 2008 07 22
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.		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

PERMIT NUMBER	NY0005835	DISCHARGE NUMBER	005M
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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 06 01	08 05 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	VALUE			
pH		7.1		7.8			0	04/30	GR	
00400 1 0 Effluent Gross		7.1		7.8			0	Once Per Month	GRAB	
Oil & grease		*****		*****			0	01/30	GR	
00556 1 0 Effluent Gross		*****		*****			0	Once Per Month	GRAB	
Flow, in conduit or thru treatment plant		0.21		*****			0	04/30	RC	
50050 1 0 Effluent Gross		0.21		*****			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 <i>Michael Holland</i>	DATE
			YEAR MO DAY 2008 07 22

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

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

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

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

PERMIT NUMBER NY0005835
 DISCHARGE NUMBER 007M

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

MONITORING PERIOD
 FROM YEAR MO DAY TO YEAR MO DAY
 08 06 08 05 05 06 30

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	SAMPLE MEASUREMENT	200000		*****		*****		0	11/30	IN
00056 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY MAX	gal/d	*****		*****		0	Once Per Month	INSTAN
pH	SAMPLE MEASUREMENT	*****		8.8		*****		0	01/30	GR
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****		Req. Mon. MINIMUM		*****	SU	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>Michael Holland</i>	DATE	
			2008 07 22	YEAR MO DAY
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.		TELEPHONE 631-344-1549		

**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

NY0005935	008M
PERMIT NUMBER	DISCHARGE NUMBER
MONITORING PERIOD	
FROM	TO
YEAR MO DAY	YEAR MO DAY
08 05 01	08 06 30

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

No Discharge

PARAMETER	SAMPLE MEASUREMENT REQUIREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	UNITS	VALUE	UNITS			
Flow rate	SEE NOTE #2	164000		*****		*****		0	01/30	IN
00056 1 0 Effluent Gross pH		Req. Mon. DAILY-MX	gal/d	*****		*****		0	Once Per Month	INSTAN
00400 1 0 Effluent Gross Oil & grease		*****		7.4		*****		0	01/30	GR
00556 1 0 Effluent Gross 1, 1 - Dichloroethylene	SEE NOTE #1	*****		Req. Mon. MINIMUM		*****		0	Once Per Month	GRAB
34501 1 0 Effluent Gross 1, 1, 1 - Trichloroethane		*****		*****		*****		0	01/30	GR
34506 1 0 Effluent Gross		*****		*****		*****		0	Once Per Month	GRAB
		*****		*****		*****		0	01/30	GR
		*****		*****		*****		0	Once Per Month	GRAB
		*****		*****		*****		0	01/30	GR
		*****		*****		*****		0	Once Per Month	GRAB
		*****		*****		*****		0	01/30	GR
		*****		*****		*****		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.	DATE
		2008 07 22
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE
M. H. Goode		631-344-4649

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

PERMIT NUMBER	NY0005635	DISCHARGE NUMBER	010M
MONITORING PERIOD		TO	
FROM	YEAR	MO	DAY
08/01/08	08	05	30

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

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	SEE NOTE #2	*****	113700	*****	*****	*****	0	01/30	IN	
50050 1 0 Effluent Gross pH	Req: Mon DAILY/MX	*****	*****	*****	*****	*****	0	Once Per Month	INSTAN	
00400 1 0 Effluent Gross Oil & grease	Req: Mon DAILY/MX	*****	*****	7.5	*****	7.5	0	01/30	GR	
00556 1 0 Effluent Gross	Req: Mon DAILY/MX	*****	*****	7.5	*****	7.5	0	01/30	GR	
		*****	*****	*****	*****	*****	0	01/30	GR	
		*****	*****	*****	*****	*****	0	01/30	GR	
		*****	*****	*****	*****	*****	0	01/30	GR	

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 07 23 YEAR MO DAY

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.)
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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	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 06 01	08 06 30

No Discharge

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	UNITS	VALUE	UNITS			
pH	7.5		7.9				0	04/30	GR
00400 1 0 Effluent Gross Oil & grease	*****		*****		*****	SU	0	04/30	GRAB
00556 1 0 Effluent Gross	*****		*****		*****	mg/L	0	01/30	GR
Flow, in conduit or thru treatment plant	0.04		*****		*****		0	04/30	RC
50050 1 0 Effluent Gross	*****		*****		*****		0	04/30	RCORD

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
			YEAR MO DAY 2008 07 22
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

PERMIT NUMBER	NY0005835	DISCHARGE NUMBER	068M
FROM		TO	
YEAR	MO	DAY	YEAR
08	05	01	08
MO	06	MO	30
DAY	30	DAY	30

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

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	MAXIMUM			
pH		*****	*****		7.2	*****	7.2	0	04/30	GR
00400 1 0 Effluent Gross Oil & grease		*****	*****		Req. Min *****	*****	*****	0	Once Per Month	GRAB
00556 1 0 Effluent Gross Flow, in conduit or thru treatment plant	SEE NOTE #1	*****	*****		*****	*****	2.0	0	01/30	GR
50050 1 0 Effluent Gross		0.004	*****		*****	*****	15 DAILY MAX	0	Once Per Month	GRAB
		*****	*****		*****	*****	*****	0	04/30	RC
		*****	*****		*****	*****	*****	0	Once Per Month	RC-ORDR

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 07 22 YEAR MO DAY

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

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

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

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

NY0005835	0010
PERMIT NUMBER	DISCHARGE NUMBER
MONITORING PERIOD	
FROM	TO
YEAR MO DAY	YEAR MO DAY
2008 04 01	2008 06 30

No Discharge

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Polychlorinated biphenyls (PCBs) SEE NOTE #4	*****		*****	*****	<0.05		0	03/90	GR
39516 1 0 Effluent Gross	*****		*****	*****	Req. Mon. DAILY MAX	ug/L		Quarterly	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>Michael Holland</i>	DATE
			YEAR MO DAY
Comments and Explanation of any violations (Reference all attachments here) PCB ANALYSIS TO USE EPA METHOD 608 WITH AN MDL GOAL OF 0.065 PPB.		TELEPHONE 631-344-1549	

**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	0020
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM	TO				
YEAR	MO	DAY	YEAR	MO	DAY
08	04	01	08	05	30

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	VALUE	UNITS			
Aluminum, total (as Al)	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	<0.07				0	01/90	GR
01105 1 0 Effluent Gross	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	2 DAILY MX	mg/L			0	Quarterly	GRAB
Dichlorobromomethane	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	1.0				0	01/90	GR
32101 1 0 Effluent Gross	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	50 DAILY MX	ug/L			0	Quarterly	GRAB
Chloroform	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	1.3				0	01/90	GR
32106 1 0 Effluent Gross	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	7 DAILY MX	ug/L			0	Quarterly	GRAB
1, 1, 1 - Trichloroethane	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	<1				0	01/90	GR
34506 1 0 Effluent Gross	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	5 DAILY MX	ug/L			0	Quarterly	GRAB
1 - Hydroxyethylidene	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	<0.05				0	01/90	GR
85812 1 0 Effluent Gross	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	0.5 DAILY MX	mg/L			0	Quarterly	GRAB
Tolyltriazole	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	<0.005				0	01/90	GR
85813 1 0 Effluent Gross	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	0.2 DAILY MX	mg/L			0	Quarterly	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>Myra Annde</i>	DATE
			YEAR 2008 MO 07 DAY 22

Comments and Explanation of any violations (Reference all attachments here)
 NO ADDITIONAL WATER TREATMENT CHEMICAL ADDITIVES W/O PRIOR NYSDEC APPROVAL. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS, AND REQUIREMENTS. SAMPLING TO BE DOWNSTREAM OF WHERE EXISTING DISCHARGE MIXES WITH COOLING TOWER BLOWDOWN FROM 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	0050
PERMIT NUMBER	DISCHARGE NUMBER

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

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

No Discharge

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Copper, total (as Cu)	*****		*****		<0.003		0	01/90	GR
01042 1 0 Effluent Gross	*****		*****	DAILY/MX		mg/L	0	Quarterly	GRAB
1 - Hydroxyethylidene	*****		*****		< 0.05		0	01/90	GR
85812 1 0 Effluent Gross	*****		*****	DAILY/MX		mg/L	0	Quarterly	GRAB
Tolythazole	*****		*****		< 0.005		0	01/90	GR
85813 1 0 Effluent Gross	*****		*****	DAILY/MX		mg/L	0	Quarterly	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 fines and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>George A. Goode</i>	DATE
			2008 07 22 YEAR MO DAY TELEPHONE 631-344-1549

Comments and Explanation of any violations (Reference all attachments here)
 NO ADDITIONAL WATER TREATMENT CHEMICAL ADDITIVES W/O PRIOR NYSDEC APPROVAL. 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

DMR MAILING ZIP CODE: 11973
 MAJOR (SUBR 01)
 SW RUNOFF FROM WAREHOUSE AREA
 External Outfall

NY00058935	0080
PERMIT NUMBER	DISCHARGE NUMBER
MONITORING PERIOD	
FROM	TO
YEAR MO DAY	YEAR MO DAY
08 04 01	08 05 30

No Discharge

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Aluminum, dissolved (as Al)	0.1		0	01/90	GR
01106 1 0 Effluent Gross	12 DAILY MAX			Quarterly	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	
			YEAR MO DAY	TELEPHONE
Comments and Explanation of any violations (Reference all attachments here)		08 07 22		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

PERMIT NUMBER	NY0005635	DISCHARGE NUMBER	010Q
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DMR MAILING ZIP CODE: 11973
MAJOR (SUBR 01)
SW RUNOFF FROM CENTRAL STM (H)
External Outfall

MONITORING PERIOD			
FROM		TO	
YEAR	MO	DAY	YEAR
08	04	01	06
			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				
Copper, dissolved (as Cu) SEE NOTE #1		*****		*****		0.008		0	01/90	GR
01040 1 0 Effluent Gross		*****		*****	DAILY MX	mg/L		0	Quarterly	GRAB
Lead, dissolved (as Pb)		*****		*****		<0.0005		0	01/90	GR
01049 1 0 Effluent Gross		*****		*****	DAILY MX	mg/L		0	Quarterly	GRAB
Vanadium, dissolved (as V) SEE NOTE #1		*****		*****		<0.001		0	01/90	GR
01085 1 0 Effluent Gross		*****		*****	REPORT DAILY MX	mg/L		0	Quarterly	GRAB
Aluminum, dissolved (as Al) SEE NOTE #1		*****		*****		0.1		0	01/90	GR
01106 1 0 Effluent Gross		*****		*****	DAILY MX	mg/L		0	Quarterly	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
			YEAR
Comments and Explanation of any violations (Reference all attachments here)		TELEPHONE 031-344-4549	

**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

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

NY0005835	06AQ
PERMIT NUMBER	DISCHARGE NUMBER
MONITORING PERIOD	
FROM	TO
YEAR MO DAY	YEAR MO DAY
08 04 01	08 06 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			
1 - Hydroxyethylidene	SAMPLE MEASUREMENT REQUIREMENT	*****		*****		< 0.05		0	01/90	GR
95812 1 0 Effluent Gross Toxtriazole	SAMPLE MEASUREMENT REQUIREMENT	*****		*****		0.5 DAILY MX	mg/L	0	Quarterly	GRAB
95813 1 0 Effluent Gross	SAMPLE MEASUREMENT REQUIREMENT	*****		*****		< 0.005		0	01/90	GR
		*****		*****		0.2 DAILY MX	mg/L		Quarterly	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	
		YEAR	MO DAY
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		2008	07 22
		TELEPHONE	631-344-4549

Comments and Explanation of any violations (Reference all attachments here)
 NO ADDITIONAL WATER TREATMENT CHEMICAL ADDITIVES W/O PRIOR NYSDEC APPROVAL. 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

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

NY0005835 PERMIT NUMBER	06BQ DISCHARGE NUMBER
MONITORING PERIOD	
FROM	TO
YEAR MO DAY	YEAR MO DAY
08 04 10	08 05 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			
1 - Hydroxyethylidene		*****		*****		<0.05		0	01/90	GR
85812 1 0 Effluent Gross Toltriazole		*****		*****		0.5 DAILY MX	mg/L		Quarterly	GRAB
85813 1 0 Effluent Gross		*****		*****		< 0.005		0	01/90	GR
		*****		*****		0.2 DAILY MX	mg/L		Quarterly	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		
		YEAR	MO	DAY
		2008	07	22
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		
<i>Michael Holland</i>		631-344-4649		

Comments and Explanation of any violations (Reference all attachments here)
 NO ADDITIONAL WATER TREATMENT CHEMICAL ADDITIVES W/O PRIOR NYSDEC APPROVAL. 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

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

NY0005835	002R
PERMIT NUMBER	DISCHARGE NUMBER
MONITORING PERIOD	
FROM	TO
YEAR MO DAY	YEAR MO DAY
08 04 01	06 06 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			
1 - Hydroxyethylidene	SAMPLE MEASUREMENT REQUIREMENT	*****		*****		< 0.05			01/90	GR
85812 1 0 EFFLUENT GROSS	SAMPLE MEASUREMENT REQUIREMENT	*****		*****		0.5 DAILY/MX	mg/L		Quarterly	GRAB
Tolyltriazole	SAMPLE MEASUREMENT REQUIREMENT	*****		*****		< 0.005			01/90	GR
85813 1 0 EFFLUENT GROSS	SAMPLE MEASUREMENT REQUIREMENT	*****		*****		0.2 DAILY/MX	mg/L		Quarterly	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 07 22	YEAR MO DAY
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE	
<i>Michael Holland</i>		631-344-4548	

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 DIRECTED TO THE NEW BASIN.

ATTACHMENT II

BROOKHAVEN NATIONAL LABORATORY

SPDES PERMIT NO. NY0005835

DISCHARGE MONITORING REPORT FOR JUNE 2008

ANALYTICAL RESULTS FROM H2M LABS

AND GENERAL ENGINEERING LABORATORIES, LLC

FOR REGULATORY COMPLIANCE SAMPLES COLLECTED

6/4/08, 6/6/08, and 6/9/08

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. : 0806670-001

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25911-001

Collected : 6/4/2008 10:45:00 AM
Received : 6/4/2008 3:20:00 PM
Collected By CLIENT
Copies To : Original
CC

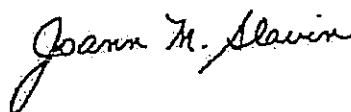
Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Biochemical Oxygen Demand	< 2		1	mg/L	E405.1	06/05/2008 1:20 PM
Nitrogen, Total	4.8		1	mg/L	M4500-N C	06/10/2008
Nitrogen, Ammonia (As N)	< 0.10		1	mg/L	E350.1	06/13/2008 3:54 PM
Nitrite as N	< 0.01		1	mg/L	E353.2	06/05/2008 9:38 AM
Nitrate as N	4.10		10	mg/L	E353.2	06/06/2008 4:20 PM
Nitrogen, Kjeldahl, Total	0.73		1	mg/L	E351.2	06/10/2008 11:01 AM

Outfall 00/
Sampled 6/4/08
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 6/20/2008



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. : 0806775-001

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25925-001

Collected : 6/6/2008 9:45:00 AM
Received : 6/6/2008 3:45:00 PM
Collected By CLIENT
Copies To : Original
CC

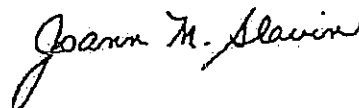
Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Biochemical Oxygen Demand	< 2		1	mg/L	E405.1	06/06/2008 4:00 PM
Nitrogen, Total	4.3		1	mg/L	M4500-N C	06/12/2008
Nitrogen, Ammonia (As N)	< 0.10		1	mg/L	E350.1	06/13/2008 3:59 PM
Nitrite as N	< 0.01		1	mg/L	E353.2	06/06/2008 6:20 PM
Nitrate as N	3.58		10	mg/L	E353.2	06/11/2008 3:02 PM
Nitrogen, Kjeldahl, Total	0.68		1	mg/L	E351.2	06/10/2008 11:04 AM

Outfall 001
Sampled 6/6/08
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 6/20/2008



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. : 0806829-001

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25935-001

Collected : 6/9/2008 11:00:00 AM
Received : 6/9/2008 3:45:00 PM
Collected By CLIENT
Copies To : Original
CC

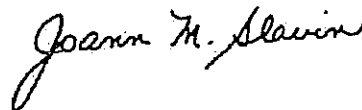
Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Biochemical Oxygen Demand	< 2		1	mg/L	E405.1	06/11/2008 9:20 AM
Nitrogen, Total	2.5		1	mg/L	M4500-N C	06/12/2008
Nitrogen, Ammonia (As N)	< 0.10		1	mg/L	E350.1	06/13/2008 4:02 PM
Nitrite as N	< 0.01		1	mg/L	E353.2	06/10/2008 3:01 PM
Nitrate as N	1.86		10	mg/L	E353.2	06/11/2008 3:11 PM
Nitrogen, Kjeldahl, Total	0.60		1	mg/L	E351.2	06/12/2008 2:29 PM

*Outfall 001
sampled 6/9/08
24 hour composite*

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

D.F. = Dilution Factor

Date Reported : 6/20/2008



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. : 0806670-002

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25911-002

Collected : 6/4/2008 2:00:00 PM
Received : 6/4/2008 3:20:00 PM
Collected By CLIENT
Copies To : Original
CC

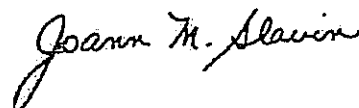
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	8		1	MPN	M9221 BC	06/04/2008 4:30 PM
Fecal Coliform	8		1	MPN	M9221 BC	06/04/2008 4:30 PM

*Outfall 001
Sampled 6/4/08
Grab*

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

D.F. = Dilution Factor

Date Reported : 6/20/2008



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. : 0806775-002

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25925-002

Collected : 6/6/2008 1:50:00 PM
Received : 6/6/2008 3:45:00 PM
Collected By CLIENT
Copies To : Original
CC

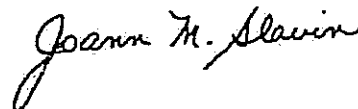
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	2		1	MPN	M9221 BC	06/06/2008 4:00 PM
Fecal Coliform	<2		1	MPN	M9221 BC	06/06/2008 4:00 PM

Outfall 001
Sampled 6/6/08
Grab

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

D.F. = Dilution Factor

Date Reported : 6/20/2008



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. : 0806829-002

Sample Information...

Type : Aqueous

Origin:

Client ID. : 25935-002

Collected : 6/9/2008 1:30:00 PM
Received : 6/9/2008 3:45:00 PM
Collected By CLIENT
Copies To : Original
CC

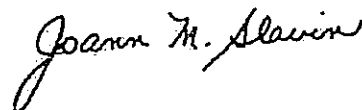
Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Total Coliform	8		1	MPN	M9221 BC	06/09/2008 5:00 PM
Fecal Coliform	< 2		1	MPN	M9221 BC	06/09/2008 5:00 PM

*Outfall 00/
Sampled 6/9/08
Grab*

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

D.F. = Dilution Factor

Date Reported : 6/20/2008



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. : 0806670-003

Sample Information...

Type : Aqueous

Origin:

Client ID. : 25911-003

Collected : 6/4/2008 11:20:00 AM
Received : 6/4/2008 3:20:00 PM
Collected By CLIENT
Copies To : Original
CC

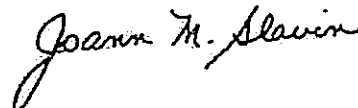
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Biochemical Oxygen Demand	47		1	mg/L	E405.1	06/05/2008 1:30 PM

STP Influent
Sampled 6/4/08
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 6/20/2008



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. : 0806775-003

Sample Information...

Type : Aqueous

Origin:

Client ID. : 25925-003

Collected : 6/6/2008 10:30:00 AM
Received : 6/6/2008 3:45:00 PM
Collected By CLIENT
Copies To : Original
CC

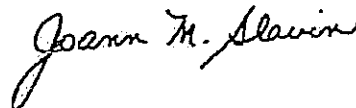
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Biochemical Oxygen Demand	54		1	mg/L	E405.1	06/06/2008 4:05 PM

STP Influent
24 hour composite
sampled 6/6/08

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

D.F. = Dilution Factor

Date Reported : 6/20/2008



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. : 0806829-003

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25935-003

Collected : 6/9/2008 11:25:00 AM
Received : 6/9/2008 3:45:00 PM
Collected By CLIENT
Copies To : Original
CC

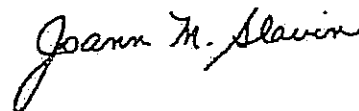
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Biochemical Oxygen Demand	70		1	mg/L	E405.1	06/11/2008 9:25 AM

STP Influent
Sampled 6/~~25~~9/08
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 6/20/2008



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. : 0806670-004

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25911-004

Collected : 6/4/2008 11:30:00 AM
Received : 6/4/2008 3:20:00 PM
Collected By CLIENT
Copies To : Original
CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Biochemical Oxygen Demand	7		1	mg/L	E405.1	06/05/2008 1:35 PM
Nitrogen, Total	5.0		1	mg/L	M4500-N C	06/10/2008
Nitrogen, Ammonia (As N)	< 0.10		1	mg/L	E350.1	06/13/2008 3:58 PM
Nitrite as N	0.03		1	mg/L	E353.2	06/05/2008 9:42 AM
Nitrate as N	2.32		10	mg/L	E353.2	06/06/2008 4:24 PM
Nitrogen, Kjeldahl, Total	2.38		10	mg/L	E351.2	06/10/2008 3:04 PM

Outfall
Clarifier Effluent
Sampled 6/4/08
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 6/20/2008

Joann M. Slavicek

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. : 0806775-004

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25925-004

Collected : 6/6/2008 10:35:00 AM
Received : 6/6/2008 3:45:00 PM
Collected By CLIENT
Copies To : Original
CC

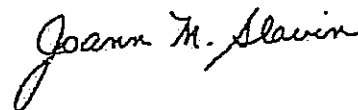
Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Biochemical Oxygen Demand	6		1	mg/L	E405.1	06/06/2008 4:10 PM
Nitrogen, Total	4.1		1	mg/L	M4500-N C	06/12/2008
Nitrogen, Ammonia (As N)	< 0.10		1	mg/L	E350.1	06/13/2008 4:00 PM
Nitrite as N	0.03		1	mg/L	E353.2	06/06/2008 6:21 PM
Nitrate as N	1.64		10	mg/L	E353.2	06/11/2008 3:08 PM
Nitrogen, Kjeldahl, Total	2.46		10	mg/L	E351.2	06/10/2008 3:05 PM

Clarifier Effluent
Sampled 6/6/08
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 6/20/2008



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. : 0806829-004

Sample Information...

Type : Aqueous

Origin:

Client ID. : 25935-004

Collected : 6/9/2008 11:35:00 AM
Received : 6/9/2008 3:45:00 PM
Collected By CLIENT
Copies To : Original
CC

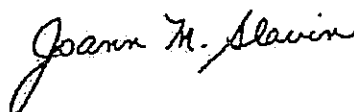
Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Biochemical Oxygen Demand	< 2		1	mg/L	E405.1	06/11/2008 9:30 AM
Nitrogen, Total	1.6		1	mg/L	M4500-N C	06/12/2008
Nitrogen, Ammonia (As N)	< 0.10		1	mg/L	E350.1	06/13/2008 4:03 PM
Nitrite as N	< 0.01		1	mg/L	E353.2	06/10/2008 3:02 PM
Nitrate as N	0.50		1	mg/L	E353.2	06/11/2008 3:12 PM
Nitrogen, Kjeldahl, Total	1.05		1	mg/L	E351.2	06/12/2008 2:31 PM

Clarifier Effluent
Sampled 6/9/08
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 6/20/2008



Laboratory Manager

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 209796	Date Collected: 06/04/2008 14:00	Matrix: WATER
Lab Sample ID: 209796006	Date Received: 06/06/2008 09:30	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 25910-002	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 763051	Inst: VOA7.I	Dilution: 1
Run Date: 06/09/2008 16:26	Analyst: SJW1	Purge Vol: 5 mL
Prep Date: 06/09/2008 16:26		
Data File: 7o114.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 6/4/08
Grab

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 209936	Date Collected: 06/06/2008 13:50	Matrix: WATER
Lab Sample ID: 209936002	Date Received: 06/07/2008 09:25	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 25924-002	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 763753	Inst: VOA6.I	Dilution: 1
Run Date: 06/11/2008 18:37	Analyst: RXD1	Purge Vol: 5 mL
Prep Date: 06/11/2008 18:37		
Data File: 60318.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 6/6/08
Grab

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 210027	Date Collected: 06/09/2008 13:30	Matrix: WATER
Lab Sample ID: 210027002	Date Received: 06/10/2008 09:45	
Client Sample: STP EFFLUENT	Client: BRKL005	Project: BRKL00504
Client ID: 25934-002	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 763753	Inst: VOA6.I	Dilution: 1
Run Date: 06/11/2008 19:34	Analyst: RXD1	Purge Vol: 5 mL
Prep Date: 06/11/2008 19:34		
Data File: 6o320.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 6/9/08
Grab

**Pesticide
Certificate of Analysis
Sample Summary**

SDG Number: 209796	Date Collected: 06/04/2008 14:00	Matrix: WATER
Lab Sample ID: 209796006	Date Received: 06/06/2008 09:30	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 25910-002	Method: EPA 608	SOP Ref: GL-OA-E-041
Batch ID: 763644	Inst: ECD7A.I	Dilution: 1
Run Date: 06/13/2008 18:17	Analyst: HXJ1	Inj. Vol: 1 uL
Prep Date: 06/11/2008 19:00	Aliquot: 1020 mL	Final Volume: .5 mL
Data File: 021f2101.d	Column: 1 CLP-1	Level: LOW
	2 CLP-2	

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	RDL	Column
319-84-6	alpha-BHC	U	0.00196	ug/L	0.00049	0.00196		1
58-89-9	gamma-BHC (Lindane)	U	0.00196	ug/L	0.00049	0.00196		1
319-85-7	beta-BHC	U	0.00196	ug/L	0.000828	0.00196		1
319-86-8	delta-BHC	U	0.00196	ug/L	0.00049	0.00196		1
76-44-8	Heptachlor	U	0.00196	ug/L	0.000642	0.00196		1
309-00-2	Aldrin	U	0.00196	ug/L	0.00049	0.00196		1
1024-57-3	Heptachlor epoxide	U	0.00196	ug/L	0.00049	0.00196		1
959-98-8	Endosulfan I	U	0.00196	ug/L	0.00049	0.00196		1
72-55-9	4,4'-DDE	U	0.00392	ug/L	0.00049	0.00392		1
60-57-1	Dieldrin	U	0.00392	ug/L	0.00049	0.00392		1
72-20-8	Endrin	U	0.00392	ug/L	0.00049	0.00392		1
72-54-8	4,4'-DDD	U	0.00392	ug/L	0.00049	0.00392		1
33213-65-9	Endosulfan II	U	0.00392	ug/L	0.00049	0.00392		1
7421-93-4	Endrin aldehyde	U	0.00392	ug/L	0.00049	0.00392		1
50-29-3	4,4'-DDT	U	0.00392	ug/L	0.00098	0.00392		1
1031-07-8	Endosulfan sulfate	U	0.00392	ug/L	0.00049	0.00392		1
57-74-9	Chlordane (tech.)	U	0.0245	ug/L	0.0075	0.0245		1
8001-35-2	Toxophene	U	0.049	ug/L	0.0147	0.049		1
12674-11-2	Aroclor-1016	U	0.049	ug/L	0.0163	0.049	0.065	1
11104-28-2	Aroclor-1221	U	0.049	ug/L	0.0163	0.049	0.065	1
11141-16-5	Aroclor-1232	U	0.049	ug/L	0.0163	0.049	0.065	1
53469-21-9	Aroclor-1242	U	0.049	ug/L	0.0163	0.049	0.065	1
12672-29-6	Aroclor-1248	U	0.049	ug/L	0.0163	0.049	0.065	1
11097-69-1	Aroclor-1254	U	0.049	ug/L	0.0163	0.049	0.065	1
11096-82-5	Aroclor-1260	U	0.049	ug/L	0.0163	0.049	0.065	1

Outfall 001
Sampled 6/4/08
Grab

**Pesticide
Certificate of Analysis
Sample Summary**

SDG Number: 209936	Date Collected: 06/06/2008 13:50	Matrix: WATER
Lab Sample ID: 209936002	Date Received: 06/07/2008 09:25	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 25924-002	Method: EPA 608	SOP Ref: GL-OA-E-041
Batch ID: 763644	Inst: ECD7A.1	Dilution: 1
Run Date: 06/13/2008 18:44	Analyst: HXJ1	Inj. Vol: 1 uL
Prep Date: 06/11/2008 19:00	Aliquot: 1020 mL	Final Volume: .5 mL
Data File: 023f2301.d	Column: 1 CLP-1	Level: LOW
023b2301.d	2 CLP-2	

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	RDL	Column
319-84-6	alpha-BHC	U	0.00196	ug/L	0.00049	0.00196		1
58-89-9	gamma-BHC (Lindane)	U	0.00196	ug/L	0.00049	0.00196		1
319-85-7	beta-BHC	U	0.00196	ug/L	0.000828	0.00196		1
319-86-8	delta-BHC	U	0.00196	ug/L	0.00049	0.00196		1
76-44-8	Heptachlor	U	0.00196	ug/L	0.000642	0.00196		1
309-00-2	Aldrin	U	0.00196	ug/L	0.00049	0.00196		1
1024-57-3	Heptachlor epoxide	U	0.00196	ug/L	0.00049	0.00196		1
959-98-8	Endosulfan I	U	0.00196	ug/L	0.00049	0.00196		1
72-55-9	4,4'-DDE	U	0.00392	ug/L	0.00049	0.00392		1
60-57-1	Dieldrin	U	0.00392	ug/L	0.00049	0.00392		1
72-20-8	Endrin	U	0.00392	ug/L	0.00049	0.00392		1
72-54-8	4,4'-DDD	U	0.00392	ug/L	0.00049	0.00392		1
33213-65-9	Endosulfan II	U	0.00392	ug/L	0.00049	0.00392		1
7421-93-4	Endrin aldehyde	U	0.00392	ug/L	0.00049	0.00392		1
50-29-3	4,4'-DDT	U	0.00392	ug/L	0.00098	0.00392		1
1031-07-8	Endosulfan sulfate	U	0.00392	ug/L	0.00049	0.00392		1
57-74-9	Chlordane (tech.)	U	0.0245	ug/L	0.0075	0.0245		1
8001-35-2	Toxaphene	U	0.049	ug/L	0.0147	0.049		1
12674-11-2	Aroclor-1016	U	0.049	ug/L	0.0163	0.049	0.065	1
11104-28-2	Aroclor-1221	U	0.049	ug/L	0.0163	0.049	0.065	1
11141-16-5	Aroclor-1232	U	0.049	ug/L	0.0163	0.049	0.065	1
53469-21-9	Aroclor-1242	U	0.049	ug/L	0.0163	0.049	0.065	1
12672-29-6	Aroclor-1248	U	0.049	ug/L	0.0163	0.049	0.065	1
11097-69-1	Aroclor-1254	U	0.049	ug/L	0.0163	0.049	0.065	1
11096-82-5	Aroclor-1260	U	0.049	ug/L	0.0163	0.049	0.065	1

Outfall 001
sampled 6/6/08
Grab

Pesticide
Certificate of Analysis
Sample Summary

SDG Number: 210027	Date Collected: 06/09/2008 13:30	Matrix: WATER
Lab Sample ID: 210027002	Date Received: 06/10/2008 09:45	
Client Sample: STP EFFLUENT	Client: BRKL005	Project: BRKL00504
Client ID: 25934-002	Method: EPA 608	SOP Ref: GL-OA-E-041
Batch ID: 764226	Inst: ECD7A.I	Dilution: 1
Run Date: 06/13/2008 20:02	Analyst: HXJ1	Inj. Vol: 1 uL
Prep Date: 06/12/2008 19:00	Aliquot: 1000 mL	Final Volume: .5 mL
Data File: 029I2901.d	Column: 1 CLP-1	Level: LOW
	2 CLP-2	

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	RDL	Column
319-84-6	alpha-BHC	U	0.002	ug/L	0.0005	0.002		1
58-89-9	gamma-BHC (Lindane)	U	0.002	ug/L	0.0005	0.002		1
319-85-7	beta-BHC	U	0.002	ug/L	0.000845	0.002		1
319-86-8	delta-BHC	U	0.002	ug/L	0.0005	0.002		1
76-44-8	Heptachlor	U	0.002	ug/L	0.000655	0.002		1
309-00-2	Aldrin	U	0.002	ug/L	0.0005	0.002		1
1024-57-3	Heptachlor epoxide	U	0.002	ug/L	0.0005	0.002		1
959-98-8	Endosulfan I	U	0.002	ug/L	0.0005	0.002		1
72-55-9	4,4'-DDE	U	0.004	ug/L	0.0005	0.004		1
60-57-1	Dieldrin	U	0.004	ug/L	0.0005	0.004		1
72-20-8	Endrin	U	0.004	ug/L	0.0005	0.004		1
72-54-8	4,4'-DDD	U	0.004	ug/L	0.0005	0.004		1
33213-65-9	Endosulfan II	U	0.004	ug/L	0.0005	0.004		1
7421-93-4	Endrin aldehyde	U	0.004	ug/L	0.0005	0.004		1
50-29-3	4,4'-DDT	U	0.004	ug/L	0.001	0.004		1
1031-07-8	Endosulfan sulfate	U	0.004	ug/L	0.0005	0.004		1
57-74-9	Chlordane (tech.)	U	0.025	ug/L	0.00765	0.025		1
8001-35-2	Toxaphene	U	0.050	ug/L	0.015	0.050		1
12674-11-2	Aroclor-1016	U	0.050	ug/L	0.0167	0.050	0.065	1
11104-28-2	Aroclor-1221	U	0.050	ug/L	0.0167	0.050	0.065	1
11141-16-5	Aroclor-1232	U	0.050	ug/L	0.0167	0.050	0.065	1
53469-21-9	Aroclor-1242	U	0.050	ug/L	0.0167	0.050	0.065	1
12672-29-6	Aroclor-1248	U	0.050	ug/L	0.0167	0.050	0.065	1
11097-69-1	Aroclor-1254	U	0.050	ug/L	0.0167	0.050	0.065	1
11096-82-5	Aroclor-1260	U	0.050	ug/L	0.0167	0.050	0.065	1

Outfall 001
sampled 6/9/08
Grab

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 209796

METHOD TYPE: EPA

SAMPLE ID: 209796001

CLIENT ID: 25910-001

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 05-JUN-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	96.3	ng/L			AF	1	5	LLHG	762839

Outfall 001
Sampled 6/4/08
24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 209796

METHOD TYPE: SW846

SAMPLE ID: 209796005

CLIENT ID: 25910-001

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 06-JUN-08

LEVEL: Low %SOLIDS:

CAS No	Analyte	Result	Units	C	Qual	M	MDL	DF	Instrument ID	Analytical Run
7429-90-5	Aluminum	68	ug/L	U		P	68	1	OPTIMA3	061308A-1
7440-36-0	Antimony	3.3	ug/L	B		P	3	1	OPTIMA3	061308A-1
7440-38-2	Arsenic	1.5	ug/L	B		MS	1.5	1	ICPMS5	080701-2
7440-39-3	Barium	23.4	ug/L	B		P	1	1	OPTIMA3	061308A-1
7440-41-7	Beryllium	1.4	ug/L	B		P	1	1	OPTIMA3	061308A-1
7440-43-9	Cadmium	1.4	ug/L	B		P	1	1	OPTIMA3	061308A-1
7440-70-2	Calcium	14700	ug/L			P	30	1	OPTIMA3	061308A-1
7440-47-3	Chromium	2.2	ug/L	B		P	2	1	OPTIMA3	061308A-1
7440-48-4	Cobalt	1.8	ug/L	B		P	1	1	OPTIMA3	061308A-1
7440-50-8	Copper	55.5	ug/L			P	3	1	OPTIMA3	061308A-1
7439-89-6	Iron	142	ug/L			P	25	1	OPTIMA3	061308A-1
7439-92-1	Lead	1	ug/L	B		MS	0.5	1	ICPMS5	080701-2
7439-95-4	Magnesium	4140	ug/L	B		P	85	1	OPTIMA3	061308A-1
7439-96-5	Manganese	10.9	ug/L	B		P	2	1	OPTIMA3	061308A-1
7440-02-0	Nickel	9.3	ug/L	B		P	1	1	OPTIMA3	061308A-1
7440-09-7	Potassium	5840	ug/L			P	50	1	OPTIMA3	061308A-1
7782-49-2	Selenium	1	ug/L	B		MS	1	1	ICPMS5	080701-2
7440-22-4	Silver	2.3	ug/L	B		P	1	1	OPTIMA3	061308A-1
7440-23-5	Sodium	46600	ug/L			P	45	1	OPTIMA3	061308A-1
7440-28-0	Thallium	0.30	ug/L	U		MS	0.3	1	ICPMS5	080701-2
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA3	061308A-1
7440-62-2	Vanadium	6	ug/L	B		P	1	1	OPTIMA3	061308A-1
7440-66-6	Zinc	59	ug/L			P	2	1	OPTIMA3	061308A-1

Out fall 001
Sampled 6/4/08
24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 209936

METHOD TYPE: EPA

SAMPLE ID: 209936001

CLIENT ID: 25924-001

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 07-JUN-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	0.128	ng/L			AF	0.4	2	LLHG	762839
7429-90-5	Aluminum	68	ug/L	U		P	68	1	OPTIMA3	061908-1
7440-36-0	Antimony	3	ug/L	U		P	3	1	OPTIMA3	061908-1
7440-38-2	Arsenic	2.1	ug/L	B		MS	1.5	1	ICPMS5	080701-2
7440-39-3	Barium	19.4	ug/L	B		P	1	1	OPTIMA3	061908-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA3	061908-1
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA3	061908-1
7440-70-2	Calcium	13800	ug/L			P	30	1	OPTIMA3	061908-1
7440-47-3	Chromium	2	ug/L	U		P	2	1	OPTIMA3	061908-1
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA3	061908-1
7440-50-8	Copper	43.3	ug/L			P	3	1	OPTIMA3	061908-1
7439-89-6	Iron	227	ug/L		*	P	25	1	OPTIMA3	061908-1
7439-92-1	Lead	1.3	ug/L	B		MS	0.5	1	ICPMS5	080701-2
7439-95-4	Magnesium	3970	ug/L	B		P	85	1	OPTIMA3	061908-1
7439-96-5	Manganese	2.9	ug/L	B		P	2	1	OPTIMA3	061908-1
7440-02-0	Nickel	8	ug/L	B		P	1	1	OPTIMA3	061908-1
7440-09-7	Potassium	6210	ug/L			P	50	1	OPTIMA3	061908-1
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS5	080701-2
7440-22-4	Silver	1.1	ug/L	B		P	1	1	OPTIMA3	061908-1
7440-23-5	Sodium	40400	ug/L			P	45	1	OPTIMA3	061908-1
7440-28-0	Thallium	0.490	ug/L	B		MS	0.3	1	ICPMS5	080701-2
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA3	061908-1
7440-62-2	Vanadium	5.4	ug/L	B		P	1	1	OPTIMA3	061908-1
7440-66-6	Zinc	58.1	ug/L			P	2	1	OPTIMA3	061908-1

out fall 001
sampled 6/6/08
24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 210027

METHOD TYPE: EPA

SAMPLE ID: 210027001

CLIENT ID: 25934-001

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 10-JUN-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	123	ng/L			AF	1	5	LLHG	
7429-90-5	Aluminum	68	ug/L	U		P	68	1	OPTIMA3	061908-1
7440-36-0	Antimony	3	ug/L	U		P	3	1	OPTIMA3	061908-1
7440-38-2	Arsenic	1.9	ug/L	B		MS	1.5	1	ICPMS5	080701-2
7440-39-3	Barium	18.1	ug/L	B		P	1	1	OPTIMA3	061908-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA3	061908-1
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA3	061908-1
7440-70-2	Calcium	12200	ug/L			P	30	1	OPTIMA3	061908-1
7440-47-3	Chromium	2	ug/L	U		P	2	1	OPTIMA3	061908-1
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA3	061908-1
7440-50-8	Copper	40.8	ug/L			P	3	1	OPTIMA3	061908-1
7439-89-6	Iron	84.7	ug/L	B		P	25	1	OPTIMA3	061908-1
7439-92-1	Lead	1.1	ug/L	B		MS	0.5	1	ICPMS5	080701-2
7439-95-4	Magnesium	3500	ug/L	B		P	85	1	OPTIMA3	061908-1
7439-96-5	Manganese	2	ug/L	B		P	2	1	OPTIMA3	061908-1
7440-02-0	Nickel	5.9	ug/L	B		P	1	1	OPTIMA3	061908-1
7440-09-7	Potassium	6550	ug/L			P	50	1	OPTIMA3	061908-1
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS5	080701-2
7440-22-4	Silver	1.8	ug/L	B		P	1	1	OPTIMA3	061908-1
7440-23-5	Sodium	36700	ug/L			P	45	1	OPTIMA3	061908-1
7440-28-0	Thallium	0.30	ug/L	U		MS	0.3	1	ICPMS5	080701-2
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA3	061908-1
7440-62-2	Vanadium	6	ug/L	B		P	1	1	OPTIMA3	061908-1
7440-66-6	Zinc	44.6	ug/L			P	2	1	OPTIMA3	061908-1

Out fall 001
sampled 6/9/08
24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 209796

METHOD TYPE: EPA

SAMPLE ID: 209796002

CLIENT ID: 25910-003

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 05-JUN-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	7.6	ng/L			AF	0.2	1	LLHG	762839

*STP Influent
sampled 6/4/08
24 hour composite*

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 209796

METHOD TYPE:SW846

SAMPLE ID: 209796007

CLIENT ID: 25910-003

CONTRACT: BRKL00504

MATRIX:W

DATE RECEIVED 06-JUN-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	324	ug/L			P	68	1	OPTIMA3	061308A-1
7440-36-0	Antimony	3	ug/L	U		P	3	1	OPTIMA3	061308A-1
7440-38-2	Arsenic	2.8	ug/L	B		MS	1.5	1	ICPMS5	080701-2
7440-39-3	Barium	121	ug/L	B		P	1	1	OPTIMA3	061308A-1
7440-41-7	Beryllium	2	ug/L	B		P	1	1	OPTIMA3	061308A-1
7440-43-9	Cadmium	2.6	ug/L	B		P	1	1	OPTIMA3	061308A-1
7440-70-2	Calcium	16000	ug/L			P	30	1	OPTIMA3	061308A-1
7440-47-3	Chromium	6.9	ug/L	B		P	2	1	OPTIMA3	061308A-1
7440-48-4	Cobalt	2.4	ug/L	B		P	1	1	OPTIMA3	061308A-1
7440-50-8	Copper	289	ug/L			P	3	1	OPTIMA3	061308A-1
7439-89-6	Iron	1470	ug/L			P	25	1	OPTIMA3	061308A-1
7439-92-1	Lead	16.1	ug/L			MS	0.5	1	ICPMS5	080701-2
7439-95-4	Magnesium	4400	ug/L	B		P	85	1	OPTIMA3	061308A-1
7439-96-5	Manganese	81.7	ug/L			P	2	1	OPTIMA3	061308A-1
7440-02-0	Nickel	11.6	ug/L	B		P	1	1	OPTIMA3	061308A-1
7440-09-7	Potassium	8120	ug/L			P	50	1	OPTIMA3	061308A-1
7782-49-2	Selenium	3	ug/L	B		MS	1	1	ICPMS5	080701-2
7440-22-4	Silver	2.4	ug/L	B		P	1	1	OPTIMA3	061308A-1
7440-23-5	Sodium	45600	ug/L			P	45	1	OPTIMA3	061308A-1
7440-28-0	Thallium	0.30	ug/L	U		MS	0.3	1	ICPMS5	080701-2
7440-31-5	Tin	70.9	ug/L			P	2.5	1	OPTIMA3	061308A-1
7440-62-2	Vanadium	6	ug/L	B		P	1	1	OPTIMA3	061308A-1
7440-66-6	Zinc	184	ug/L			P	2	1	OPTIMA3	061308A-1

STP Influent
Sampled 6/4/08
24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 209936

METHOD TYPE: EPA

SAMPLE ID: 209936003

CLIENT ID: 25924-003

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 07-JUN-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	8	ng/L			AF	0.2	1	LLHG	762839
7429-90-5	Aluminum	570	ug/L			P	68	1	OPTIMA3	061908-1
7440-36-0	Antimony	3	ug/L	U		P	3	1	OPTIMA3	061908-1
7440-38-2	Arsenic	4	ug/L	B		MS	1.5	1	ICPMS5	080701-2
7440-39-3	Barium	113	ug/L	B		P	1	1	OPTIMA3	061908-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA3	061908-1
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA3	061908-1
7440-70-2	Calcium	16100	ug/L			P	30	1	OPTIMA3	061908-1
7440-47-3	Chromium	3.7	ug/L	B		P	2	1	OPTIMA3	061908-1
7440-48-4	Cobalt	1.3	ug/L	B		P	1	1	OPTIMA3	061908-1
7440-50-8	Copper	278	ug/L			P	3	1	OPTIMA3	061908-1
7439-89-6	Iron	1390	ug/L		*	P	25	1	OPTIMA3	061908-1
7439-92-1	Lead	17.8	ug/L			MS	0.5	1	ICPMS5	080701-2
7439-95-4	Magnesium	4450	ug/L	B		P	85	1	OPTIMA3	061908-1
7439-96-5	Manganese	46.2	ug/L			P	2	1	OPTIMA3	061908-1
7440-02-0	Nickel	8.4	ug/L	B		P	1	1	OPTIMA3	061908-1
7440-09-7	Potassium	7720	ug/L			P	50	1	OPTIMA3	061908-1
7782-49-2	Selenium	1.2	ug/L	B		MS	1	1	ICPMS5	080701-2
7440-22-4	Silver	1	ug/L	B		P	1	1	OPTIMA3	061908-1
7440-23-5	Sodium	40400	ug/L			P	45	1	OPTIMA3	061908-1
7440-28-0	Thallium	0.30	ug/L	U		MS	0.3	1	ICPMS5	080701-2
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA3	061908-1
7440-62-2	Vanadium	4.1	ug/L	B		P	1	1	OPTIMA3	061908-1
7440-66-6	Zinc	170	ug/L			P	2	1	OPTIMA3	061908-1

STP Influent
sampled 6/6/08
24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 210027

METHOD TYPE: EPA

SAMPLE ID: 210027003

CLIENT ID: 25934-003

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 10-JUN-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	4	ng/L			AF	0.2	1	LLHG	
7429-90-5	Aluminum	977	ug/L			P	68	1	OPTIMA3	061908-1
7440-36-0	Antimony	3	ug/L	U		P	3	1	OPTIMA3	061908-1
7440-38-2	Arsenic	6.3	ug/L	B		MS	1.5	1	ICPMS5	080701-2
7440-39-3	Barium	248	ug/L			P	1	1	OPTIMA3	061908-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA3	061908-1
7440-43-9	Cadmium	1.6	ug/L	B		P	1	1	OPTIMA3	061908-1
7440-70-2	Calcium	17400	ug/L			P	30	1	OPTIMA3	061908-1
7440-47-3	Chromium	9	ug/L	B		P	2	1	OPTIMA3	061908-1
7440-48-4	Cobalt	2.3	ug/L	B		P	1	1	OPTIMA3	061908-1
7440-50-8	Copper	712	ug/L			P	3	1	OPTIMA3	061908-1
7439-89-6	Iron	2930	ug/L			P	25	1	OPTIMA3	061908-1
7439-92-1	Lead	56.6	ug/L			MS	0.5	1	ICPMS5	080701-2
7439-95-4	Magnesium	4820	ug/L	B		P	85	1	OPTIMA3	061908-1
7439-96-5	Manganese	55.5	ug/L			P	2	1	OPTIMA3	061908-1
7440-02-0	Nickel	21.1	ug/L	B		P	1	1	OPTIMA3	061908-1
7440-09-7	Potassium	4550	ug/L	B		P	50	1	OPTIMA3	061908-1
7782-49-2	Selenium	2.3	ug/L	B		MS	1	1	ICPMS5	080701-2
7440-22-4	Silver	1.5	ug/L	B		P	1	1	OPTIMA3	061908-1
7440-23-5	Sodium	33300	ug/L			P	45	1	OPTIMA3	061908-1
7440-28-0	Thallium	0.30	ug/L	U		MS	0.3	1	ICPMS5	080701-2
7440-31-5	Tin	5.9	ug/L	B		P	2.5	1	OPTIMA3	061908-1
7440-62-2	Vanadium	14.8	ug/L	B		P	1	1	OPTIMA3	061908-1
7440-66-6	Zinc	432	ug/L			P	2	1	OPTIMA3	061908-1

STP Influent
sampled 6/9/08
24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 209796

METHOD TYPE: EPA

SAMPLE ID: 209796003

CLIENT ID: 25910-005

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 05-JUN-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	762839

*Clarifier Effluent
sampled 6/4/08
24 hour composite*

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 209936

METHOD TYPE:EPA

SAMPLE ID: 209936005

CLIENT ID: 25924-005

CONTRACT: BRKL00504

MATRIX:W

DATE RECEIVED 07-JUN-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	18.1	ng/L			AF	0.2	1	LLHG	762839

Clarifier Effluent
Sampled 6/6/08
24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 210027

METHOD TYPE: EPA

SAMPLE ID: 210027005

CLIENT ID: 25934-005

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 10-JUN-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	7.6	ng/L			AF	0.2	1	LLHG	

Clarifier Effluent
Sampled 6/9/08
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

Report Date: June 27, 2008

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

Client Sample ID: 25910-001
 Sample ID: 209796005
 Matrix: Water
 Collect Date: 04-JUN-08 10:45
 Receive Date: 06-JUN-08 09:30
 Collector: Client

Project: BRKL00504
 Client ID: BRKL005
 COC: 25910
 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		1.43	0.024	0.050	mg/L	1	AXH3	06/10/08	1742	763025	1
Solids Analysis Federal											
<i>EPA 160.2 Total Suspended Liq "As Received"</i>											
Total Suspended Solids	U	0.400	1.14	5.00	mg/L		NXM	06/09/08	1325	762889	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	SXX1	06/09/08	1526	763024

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 365.4	
2	EPA 160.2	

Outfall 001
 Sampled 6/4/08
 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

Report Date: June 27, 2008

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

Client Sample ID: 25924-001	Project: BRKL00504
Sample ID: 209936001	Client ID: BRKL005
Matrix: Water	COC: 25924
Collect Date: 06-JUN-08 09:45	Samp Recv.: Client Desc.: STP Effluent
Receive Date: 07-JUN-08 09:25	
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		1.44	0.024	0.050	mg/L	1	AXH3	06/11/08	1120	763339	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	06/12/08	1106	764067	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	SXR1	06/10/08	1420	763338

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 365.4	
2	EPA 160.2	

Out fall 001
 sampled 6/6/08
 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: July 3, 2008

Client Sample ID: 25934-001	Project: BRKL00504
Sample ID: 210027001	Client ID: BRKL005
Matrix: WATER	COC: 25934
Collect Date: 09-JUN-08 11:00	Samp Recv.:
Receive Date: 10-JUN-08 09:45	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		1.58	0.024	0.050	mg/L	1	AXH3	06/13/08	1739	763534	1
Solids Analysis Federal											
<i>EPA 160.2 Total Suspended Liq "As Received"</i>											
Total Suspended Solids	U	0.400	0.570	2.50	mg/L		NXM	06/12/08	1106	764067	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	06/11/08	1419	763533

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 365.4	
2	EPA 160.2	

Outfall 001
 sampled 6/9/08
 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

Report Date: June 27, 2008

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

Client Sample ID: 25910-002
Sample ID: 209796006
Matrix: Water
Collect Date: 04-JUN-08 14:00
Receive Date: 06-JUN-08 09:30
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25910
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	U	1.00	1.50	5.00	ug/L	1	KLP1	06/10/08	0958	762793	1

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 9010B Prep	SW846 9010B Prep	AXS5	06/09/08	1401	762791

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 9012A	

Outfall 001
Sampled 6/4/08
Grab

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 27, 2008

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

Client Sample ID: 25924-002
Sample ID: 209936002
Matrix: Water
Collect Date: 06-JUN-08 13:50
Receive Date: 07-JUN-08 09:25
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25924
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	1.91	1.50	5.00	ug/L	1	KLP1	06/11/08	1549	763222	1

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 9010B Prep	SW846 9010B Prep	AXS5	06/10/08	1337	763221

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 9012A	

Outfall 001
Sampled 6/6/08
Grab

GEL LABORATORIES LLC

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

Certificate of Analysis

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

Report Date: July 3, 2008

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

Client Sample ID: 25934-002
Sample ID: 210027002
Matrix: WATER
Collect Date: 09-JUN-08 13:30
Receive Date: 10-JUN-08 09:45
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25934
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	U	0.338	1.50	5.00	ug/L	1	KLP1	06/12/08	1429	763606	1

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 9010B Prep	SW846 9010B Prep	AXS5	06/11/08	1334	763605

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 9012A	

Outfall 001
Sampled 6/9/08
Grab

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: June 27, 2008

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

Client Sample ID: 25910-003
Sample ID: 209796007
Matrix: Water
Collect Date: 04-JUN-08 11:20
Receive Date: 06-JUN-08 09:30
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25910
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		93.0	5.70	25.0	mg/L		NXM 06/09/08	1325	762889	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 160.2	

STP Influent
Sampled 6/4/08
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

Report Date: June 27, 2008

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

Client Sample ID: 25924-003
Sample ID: 209936003
Matrix: Water
Collect Date: 06-JUN-08 10:30
Receive Date: 07-JUN-08 09:25
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25924
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		92.3	4.38	19.2	mg/L		NXM 06/12/08	1106	764067	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 160.2	

STP Influent
Sampled 6/6/08
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

Report Date: July 3, 2008

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

Client Sample ID: 25934-003
Sample ID: 210027003
Matrix: WATER
Collect Date: 09-JUN-08 11:25
Receive Date: 10-JUN-08 09:45
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25934
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		124	4.45	19.5	mg/L		NXM 06/12/08	1106	764067	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 160.2	

STP Influent
Sampled 6/9/08
24 hour composite

ATTACHMENT III

BROOKHAVEN NATIONAL LABORATORY

SPDES PERMIT NO. NY0005835

DISCHARGE MONITORING REPORT FOR JUNE 2008

ANALYTICAL RESULTS FROM H2M LABS INC.,

GENERAL ENGINEERING LABORATORIES, LLC,

AND CHEMTEX, ENVIRONMENTAL LABORATORY, INC.

FOR REGULATORY COMPLIANCE SAMPLES COLLECTED FROM

OUTFALLS 001A, 001B, 001F, 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: July 1, 2008

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

Client Sample ID: 25906-003
Sample ID: 209895003
Matrix: Water
Collect Date: 03-JUN-08 09:10
Receive Date: 06-JUN-08 09:30
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25906
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	2.40	1.40	5.00	mg/L	JXT1	06/09/08	1209	762792	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall ~~008 (HW)~~ 002 (HN) J 7/17/08
Sampled 6/3/08

CHEMTEx

Environmental & Industrial Hygiene Services

3082 25th Street, Port Arthur, TX 77642

Phone: (409) 983-4575; Fax: (409) 982-1522

E-mail: chemtexpa@sbcglobal.net

Client: **Brookhaven National Laboratory**

Safety & Environmental

Protection Division

Bldg. 535A

Upton, NY 11973-5000

Report Date: 04/28/08

Attn: **Mr. B. Lee**

AIHA Laboratory # 101478

nelap certificate # T104704239-07-TX

RESULTS OF ANALYSIS
PROJECT: ES SPDES

ATTACHMENT 1

outfall 002 (HR)
Sampled 4/7/08

COC_num	Site ID	Samp_ type	Samp_ID	Samp_ date	Samp_ time	Rec_ date	SDG	Lab_ file ID	Samp_ depth	Flow_rate	Notes	Lab_ qual	Lab_ QCnotes	Rev_qual	Rev_conc	Rev_ QCnotes
25663	HN	W	HN	04/07/08	14:17	04/09/08		P8040334	0							
	Name	Concn	Error	Det limit	Units	Anal_ date	Method	Lab_ batch- ID	Ext_ date	Dilution	Lab_ qual	Lab_ QCnotes	Rev_qual	Rev_conc	Rev_ QCnotes	
	HE DP as Organic Phosphorus	< 0.05		0.05	mg/l	04/09/08	EPA 365.3	P8040339								
	Inorganic Phosphorus	0.06		0.05	mg/l	04/09/08	EPA 365.3									
	Total Phosphorus	< 0.05		0.05	mg/l	04/09/08	EPA 365.3									
	Tolyltriazole(TTA)	< 0.005		0.005	mg/l	04/22/08	SOP # 0121-049									

Required fields are shaded:
Required field under some circumstances (see Att 2)

Organic, Metal, Wet Chemical, Biological and Petro
Chemical Analysis for Multi-Media Environmental
And Industrial Hygiene Services

Facilities are also available at:
5544 Leopard Street, Corpus Christi, TX 78408
138 Cattles Services Hwy. Sulphur, LA 70663

(361) 299-9900 FAX (361) 299-1155
(337) 626-2121 FAX (337) 626-2126

Volatile
Certificate of Analysis
Sample Summary

Page 1 of 1

SDG Number: 206306	Date Collected: 04/07/2008 14:17	Matrix: WATER
Lab Sample ID: 206306003	Date Received: 04/09/2008 09:35	
Client Sample: HN	Client: BRKL005	Project: BRKL00504
Client ID: 25662-003	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 744730	Inst: VOA7.I	Dilution: 1
Run Date: 04/11/2008 20:02	Analyst: SJW1	Purge Vol: 5 mL
Prep Date: 04/11/2008 20:02		
Data File: 7f526.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	J	1.33	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	J	0.956	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	J	1.74	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	J	0.821	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 002 (HN)
Sampled 4/7/08

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 206306

METHOD TYPE:SW846

SAMPLE ID: 206306006

CLIENT ID: 25662-006

CONTRACT: BRKL00504

MATRIX:W

DATE RECEIVED 09-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	68	ug/L	U		P	68	1	OPTIMA3	042508B-1
7440-36-0	Antimony	4.1	ug/L	B		P	3	1	OPTIMA3	042508B-1
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS6	080429-2
7440-39-3	Barium	31.2	ug/L	B		P	1	1	OPTIMA3	042508B-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA3	042508B-1
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA3	042508B-1
7440-70-2	Calcium	7600	ug/L			P	30	1	OPTIMA3	042508B-1
7440-47-3	Chromium	2	ug/L	U		P	2	1	OPTIMA3	042508B-1
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA3	042508B-1
7440-50-8	Copper	3	ug/L	U		P	3	1	OPTIMA3	042508B-1
7439-89-6	Iron	25	ug/L	U		P	25	1	OPTIMA3	042508B-1
7439-92-1	Lead	0.50	ug/L	U		MS	0.5	1	ICPMS6	080429-2
7439-95-4	Magnesium	3010	ug/L	B		P	85	1	OPTIMA3	042508B-1
7439-96-5	Manganese	14.8	ug/L	B		P	2	1	OPTIMA3	042508B-1
7439-97-6	Mercury	0.030	ug/L	U		AV	0.03	1	MER536	042808W1-3
7440-02-0	Nickel	1.9	ug/L	B		P	1	1	OPTIMA3	042508B-1
7440-09-7	Potassium	959	ug/L	B		P	50	1	OPTIMA3	042508B-1
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS6	080429-2
7440-22-4	Silver	1	ug/L	U		P	1	1	OPTIMA3	042508B-1
7440-23-5	Sodium	18800	ug/L			P	45	1	OPTIMA3	042508B-1
7440-28-0	Thallium	0.30	ug/L	U		MS	0.3	1	ICPMS6	080429-2
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA3	042508B-1
7440-62-2	Vanadium	1	ug/L	U		P	1	1	OPTIMA3	042508B-1
7440-66-6	Zinc	29.9	ug/L			P	2	1	OPTIMA3	042508B-1

Outfall 002 (HN)
sampled 4/7/08
filtered

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 206306

METHOD TYPE:SW846

SAMPLE ID: 206306003

CLIENT ID: 25662-003

CONTRACT: BRKL00504

MATRIX:W

DATE RECEIVED 09-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	68	ug/L	U		P	68	1	OPTIMA3	042508B-1
7440-36-0	Antimony	3.3	ug/L	B		P	3	1	OPTIMA3	042508B-1
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS6	080429-2
7440-39-3	Barium	32.2	ug/L	B		P	1	1	OPTIMA3	042508B-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA3	042508B-1
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA3	042508B-1
7440-70-2	Calcium	7680	ug/L			P	30	1	OPTIMA3	042508B-1
7440-47-3	Chromium	2	ug/L	U		P	2	1	OPTIMA3	042508B-1
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA3	042508B-1
7440-50-8	Copper	3.6	ug/L	B		P	3	1	OPTIMA3	042508B-1
7439-89-6	Iron	61.6	ug/L	B		P	25	1	OPTIMA3	042508B-1
7439-92-1	Lead	0.50	ug/L	U		MS	0.5	1	ICPMS6	080429-2
7439-95-4	Magnesium	3090	ug/L	B		P	85	1	OPTIMA3	042508B-1
7439-96-5	Manganese	28.2	ug/L			P	2	1	OPTIMA3	042508B-1
7439-97-6	Mercury	0.030	ug/L	U		AV	0.03	1	MER536	042808W1-3
7440-02-0	Nickel	1.6	ug/L	B		P	1	1	OPTIMA3	042508B-1
7440-09-7	Potassium	944	ug/L	B		P	50	1	OPTIMA3	042508B-1
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS6	080429-2
7440-22-4	Silver	1	ug/L	U		P	1	1	OPTIMA3	042508B-1
7440-23-5	Sodium	19000	ug/L			P	45	1	OPTIMA3	042508B-1
7440-28-0	Thallium	0.360	ug/L	B		MS	0.3	1	ICPMS6	080429-2
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA3	042508B-1
7440-62-2	Vanadium	1	ug/L	U		P	1	1	OPTIMA3	042508B-1
7440-66-6	Zinc	33.5	ug/L			P	2	1	OPTIMA3	042508B-1

Outfall 002 (4N)
Sampled 4/7/08
Unfiltered

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: July 1, 2008

Client Sample ID: 25906-005
Sample ID: 209895005
Matrix: Water
Collect Date: 04-JUN-08 09:10
Receive Date: 06-JUN-08 09:30
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25906
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	2.30	1.40	5.00	mg/L	JXT1	06/09/08	1209	762792	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 002B (1004/1002)
Sampled 6/3/08

CHEMTX

Environmental & Industrial Hygiene Services

3082 25th Street, Port Arthur, TX 77642

Phone: (409) 983-4575; Fax: (409) 982-1522

E-mail: chemtxpa@sbcglobal.net

Client: **Brookhaven National Laboratory**

Safety & Environmental

Protection Division

Bldg. 535A

Upton, NY 11973-5000

Report Date: 04/28/08

Attn: **Mr. B. Lee**

AIHA Laboratory # 101478

nelap certificate # T104704239-07-1X

RESULTS OF ANALYSIS
PROJECT: ES SPDES

ATTACHMENT 1

Outfall 002B (1004/1002)
Sampled 4/4/08

COC_num	Site_ID	Sampl_type	Sampl_ID	Sampl_date	Sampl_time	Rec_date	SDG	Lab_file_ID	Sampl_depth	Flow_rate	Notes	Lab_qual	Lab_QCnotes	Rev_qual	Rev_conc	Rev_QCnotes
25663	1004/1002	W	1004/1002	04/04/08	14:45	04/09/08		P8040334	0							
	Name	Concen	Error	Det_limit	Units	Anal_date	Method	Lab_batch_ID	Ext_date	Dilution						
	HE D P as Organic Phosphorus	< 0.05		0.05	mg/l	04/09/08	EPA 365.3	P8040334								
	Inorganic Phosphorus	< 0.05		0.05	mg/l	04/09/08	EPA 365.3									
	Total Phosphorus	< 0.05		0.05	mg/l	04/09/08	EPA 365.3									
	Tolyltriazole(TTA)	< 0.005		0.005	mg/l	04/22/08	SOP # O121-049									

Required fields are shaded:
Required field under some circumstances (see Att. 2)

Organic, Metal, Wet Chemical, Biological and Petro
Chemical Analysis for Multi-Media Environmental
And Industrial Hygiene Services

Facilities are also available at:
5544 Leopard Street, Corpus Christi, TX 78408
138 Cities Services Hwy. Sulphur, LA 70663

(361) 299-9900 FAX (361) 299-1155
(337) 626-2121 FAX (337) 626-2126

CHEMTEX

Environmental & Industrial Hygiene Services

3082 25th Street, Port Arthur, TX 77642
 Phone: (409) 983-4575; Fax: (409) 982-1522
 E-mail: chemtexpa@sbcglobal.net

Client: **Brookhaven National Laboratory**
 Safety & Environmental
 Protection Division
 Bldg. 535A
 Upton, NY 11973-5000
 Attn: **Mr. B. Lee**

Report Date: 04/28/08

AIHA Laboratory # 101478

nelap certificate # T104704239-06-TX

RESULTS OF ANALYSIS
PROJECT: ES SPDES

ATTACHMENT 1

*Outfall 001F (902 CT)
 Sampled 4/4/08*

COC_num	Site-ID	Samp_type	Samp-ID	Samp_date	Samp_time	Rec_date	SDG	Lab_file_ID	Samp_depth	Flow_rate	Notes	Lab_qual	Lab_QCnotes	Rev_qual	Rev_conc	Rev_QCnotes
25663	902-CT	W	902-CT	04/04/08	15:00	04/09/08		P8040334	0							
	Polypropylene Glycol Monobutyl Ether (PPGMBE)	< 0.5		0.5	mg/l	04/18/08	SOP # O 081-045	P8040335	04/14/08	1000ml 1 ml						

Required fields are shaded:
 Required field under some circumstances (see Att. 2)
 Organic, Metal, Wet Chemical, Biological and Petro
 Chemical Analysis for Multi-Media Environmental
 And Industrial Hygiene Services

Facilities are also available at:
 5544 Leopard Street, Corpus Christi, Tx 78408
 138 Cilles Services Hwy. Sulphur, LA 70663

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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: July 1, 2008

Client Sample ID:	25906-004	Project:	BRKL00504
Sample ID:	209895004	Client ID:	BRKL005
Matrix:	Water	COC:	25906
Collect Date:	03-JUN-08 10:13	Samp Recv.:	
Receive Date:	06-JUN-08 09:30	Client Desc.:	HS
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Oil & Grease Analysis Federal										
<i>EPA 1664A n-Hexane Extractable Material (Oil and G "As Received"</i>										
Oil and Grease	J	2.20	1.40	5.00	mg/L	JXT1	06/09/08	1209	762792	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 005 (HS)
Sampled 6/3/08

CHEMTEx

Environmental & Industrial Hygiene Services

3082 25th Street, Port Arthur, TX 77642

Phone: (409) 983-4575; Fax: (409) 982-1522

E-mail: chemtexpa@sbocglobal.net

Client: **Brookhaven National Laboratory**

Safety & Environmental

Protection Division

Bldg. 535A

Upton, NY 11973-5000

Attn: **Mr. B. Lee**

Report Date: 04/28/08

AIHA Laboratory # 101478

nelap certificate # T104704239-07-TX

RESULTS OF ANALYSIS
PROJECT: ES SPDES

ATTACHMENT 1

Outfall 005 (HS)
Sampled 4/7/08

COC_num	Site-ID	Samp_type	Samp-ID	Samp_date	Samp_time	Rec_date	SDG	Lab_file_ID	Samp_depth	Flow_rate	Notes	Lab_qual	Lab_QCnotes	Rev_qual	Rev_conc	Rev_QCnotes
25663	HS	W	HS04/07/08	04/07/08	15:00	04/09/08		P8040334	0							
	Name	Concen	Error	Det_limit	Units	Anal_date	Method	Lab_batch_ID	Ext_date	Dilution	Lab_qual	Lab_QCnotes	Rev_qual	Rev_conc	Rev_QCnotes	
	HE DP as Organic Phosphorus	< 0.05		0.05	mg/l	04/09/08	EPA 365.3	P8040340								
	Inorganic Phosphorus	0.06		0.05	mg/l	04/09/08	EPA 365.3									
	Total Phosphorus	0.10		0.05	mg/l	04/09/08	EPA 365.3									
	Tolyltriazole(TTA)	< 0.005		0.005	mg/l	04/22/08	SOP # 0121-049									

Required fields are shaded:
Required field under some circumstances (see Att 2)

Organic, Metal, Wet Chemical, Biological and Petro
Chemical Analysis for Multi-Media Environmental
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(337)626-2121 FAX (337)626-2126

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 206306

METHOD TYPE: SW846

SAMPLE ID: 206306004

CLIENT ID: 25662-004

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 09-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	68	ug/L	U		P	68	1	OPTIMA3	042508B-1
7440-36-0	Antimony	3.9	ug/L	B		P	3	1	OPTIMA3	042508B-1
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS6	080429-2
7440-39-3	Barium	29.1	ug/L	B		P	1	1	OPTIMA3	042508B-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA3	042508B-1
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA3	042508B-1
7440-70-2	Calcium	7730	ug/L			P	30	1	OPTIMA3	042508B-1
7440-47-3	Chromium	2	ug/L	U		P	2	1	OPTIMA3	042508B-1
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA3	042508B-1
7440-50-8	Copper	3	ug/L	U		P	3	1	OPTIMA3	042508B-1
7439-89-6	Iron	125	ug/L			P	25	1	OPTIMA3	042508B-1
7439-92-1	Lead	0.50	ug/L	U		MS	0.5	1	ICPMS6	080429-2
7439-95-4	Magnesium	2910	ug/L	B		P	85	1	OPTIMA3	042508B-1
7439-96-5	Manganese	23.5	ug/L			P	2	1	OPTIMA3	042508B-1
7439-97-6	Mercury	0.030	ug/L	U		AV	0.03	1	MER536	042808W1-3
7440-02-0	Nickel	1	ug/L	U		P	1	1	OPTIMA3	042508B-1
7440-09-7	Potassium	936	ug/L	B		P	50	1	OPTIMA3	042508B-1
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS6	080429-2
7440-22-4	Silver	1	ug/L	U		P	1	1	OPTIMA3	042508B-1
7440-23-5	Sodium	19500	ug/L			P	45	1	OPTIMA3	042508B-1
7440-28-0	Thallium	0.30	ug/L	U		MS	0.3	1	ICPMS6	080429-2
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA3	042508B-1
7440-62-2	Vanadium	1	ug/L	U		P	1	1	OPTIMA3	042508B-1
7440-66-6	Zinc	14.1	ug/L	B		P	2	1	OPTIMA3	042508B-1

Outfall 005 (HS)
Sampled 4/7/08
unfiltered

GEL LABORATORIES LLC

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

Certificate of Analysis

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

Report Date: July 1, 2008

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

Client Sample ID: 25906-001
Sample ID: 209895001
Matrix: Water
Collect Date: 03-JUN-08 09:30
Receive Date: 06-JUN-08 09:30
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25906
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	2.00	1.40	5.00	mg/L	JXT1	06/09/08	1209	762792	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 006A (HT-W)
Sampled 6/3/08

CHEMTX

Environmental & Industrial Hygiene Services

3082 25th Street, Port Arthur, TX 77642
 Phone: (409) 983-4575; Fax: (409) 982-1522
 E-mail: chemtxpa@sbcdglobal.net

Client: **Brookhaven National Laboratory**
 Safety & Environmental
 Protection Division
 Bldg. 535A
 Upton, NY 11973-5000
 Attn: **Mr. B. Lee**

Report Date: 04/28/08

AIHA Laboratory # 101478

nelap certificate # T104704239-07-TX

RESULTS OF ANALYSIS
PROJECT: ES SPDES

ATTACHMENT 1

*Outfall 006A (HT-W)
 Sampled 4/7/08*

COC_num	Site-ID	Sampl_ type	Sampl-ID	Sampl_ date	Sampl_ time	Rec_ date	SDG	Lab_ file_ ID	Sampl_ depth	Flow_ rate	Notes	Lab_ qual	Lab_ QCnotes	Rev_ qual	Rev_ conc	Rev_ QCnotes
25663	HT-W	W	HT-W	04/07/08	14:45	04/09/08		P8040334	0							
	Name	Concen	Error	Det_limit	Units	Anal_date	Method	Lab_batch- ID	Ext_ date	Dilution	Lab_qual	Lab_QCnotes	Rev_qual	Rev_conc	Rev_QCnotes	
	HE DP as Organic Phosphorus	< 0.05		0.05	mg/l	04/09/08	EPA 365.3	P8040337								
	Inorganic Phosphorus	< 0.05		0.05	mg/l	04/09/08	EPA 365.3									
	Total Phosphorus	< 0.05		0.05	mg/l	04/09/08	EPA 365.3									
	Tolyltriazole(TTA)	< 0.005		0.005	mg/l	04/22/08	SOP # 0121-049									

Required fields are shaded:

Required field under some circumstances (see Att. 2)

Organic, Metal, Wet Chemical, Biological and Petro
 Chemical Analysis for Multi-Media Environmental
 And Industrial Hygiene Services

Facilities are also available at:
 5544 Leopold Street, Corpus Christi, TX 78408
 138 Cities Services Hwy. Sulphur, LA 70663

(361)299-9900 FAX (361)299-1155
 (337)626-2121 FAX (337)626-2126

GEL LABORATORIES LLC

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

Certificate of Analysis

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

Report Date: July 1, 2008

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

Client Sample ID: 25906-002
Sample ID: 209895002
Matrix: Water
Collect Date: 03-JUN-08 09:25
Receive Date: 06-JUN-08 09:30
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25906
Samp Recv.:
Client Desc.: HT-E

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Oil & Grease Analysis Federal											
<i>EPA 1664A n-Hexane Extractable Material (Oil and G "As Received"</i>											
Oil and Grease	J	2.00	1.40	5.00	mg/L		JXT1	06/09/08	1209	762792	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 006B (HT-E)
Sampled 6/3/08

CHEMTEx

Environmental & Industrial Hygiene Services

3082 25th Street, Port Arthur, TX 77642
 Phone: (409) 983-4575; Fax: (409) 982-1522
 E-mail: chemtexpa@sbcglobal.net

Client: **Brookhaven National Laboratory**
 Safety & Environmental
 Protection Division
 Bldg. 535A
 Upton, NY 11973-5000

Report Date: 04/28/08

Attn: **Mr. B. Lee**

AIHA Laboratory # 101478

RESULTS OF ANALYSIS
PROJECT: ES SPDES

ATTACHMENT 1

nelap certificate # T104704239-07-TX

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

COC_num	Site-ID	Sampl_type	Sampl-ID	Sampl_date	Sampl_time	Rec_date	SDG	Lab_file_ID	Sampl_depth	Flow_rate	Notes	Lab_qual	Lab_QCnotes	Rev_qual	Rev_conc	Rev_QCnotes
25663	HT-E	W	HT-E	04/07/08	14:37	04/09/08	EPA 365.3	P8040334	0							
	Name	Concen	Error	Det_limit	Units	Anal_date	Method	Lab_batch_ID	Ext_date	Dilution	Lab_qual	Lab_QCnotes	Rev_qual	Rev_conc	Rev_QCnotes	
	HEDP as Organic Phosphorus	< 0.05		0.05	mg/l	04/09/08	EPA 365.3	P8040338								
	Inorganic Phosphorus	0.19		0.05	mg/l	04/09/08	EPA 365.3									
	Total Phosphorus	0.23		0.05	mg/l	04/09/08	EPA 365.3									
	Tolyltriazole(TTA)	< 0.005		0.005	mg/l	04/22/08	SOP # O121-049									

Required fields are shaded:
 Required field under some circumstances (see Att. 2)

Organic, Metal, Wet Chemical, Biological and Retro
 Chemical Analysis for Multi-Media Environmental
 And Industrial Hygiene Services

Facilities are also available at:
 5544 Leopard Street, Corpus Christi, TX 78408
 138 Cities Services Hwy. Sulphur, LA 70663

(361)299-9900 FAX (361)299-1155
 (337)626-2121 FAX (337)626-2126

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: June 27, 2008

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

Client Sample ID: 25920-002
Sample ID: 209893002
Matrix: Water
Collect Date: 04-JUN-08 10:00
Receive Date: 06-JUN-08 09:30
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25920
Samp Recv.:
Client Desc.: HW

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Oil & Grease Analysis Federal											
<i>EPA 1664A n-Hexane Extractable Material (Oil and G "As Received"</i>											
Oil and Grease	J	1.60	1.40	5.00	mg/L		JXT1	06/09/08	1038	762792	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 008 (HW)
sampled 6/4/08

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 209893	Date Collected: 06/04/2008 10:00	Matrix: WATER
Lab Sample ID: 209893002	Date Received: 06/06/2008 09:30	
Client Sample: HW	Client: BRKL005	Project: BRKL00504
Client ID: 25920-002	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 763051	Inst: VOA7.I	Dilution: 1
Run Date: 06/09/2008 18:10	Analyst: SJW1	Purge Vol: 5 mL
Prep Date: 06/09/2008 18:10		
Data File: 7o118.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 6/4/08

Brookhaven National Labs

Client Sample ID: 25776-004

TOTAL Metals

Lot-Sample #...: F8E130228-004

Matrix.....: W

Date Sampled...: 05/09/08 14:28 Date Received...: 05/13/08

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
Prep Batch #...	8142449					
Aluminum	122	50.0	ug/L	SW846 6020	05/21-05/29/08	KM4TG1AC
		Dilution Factor: 1		Analysis Time...: 06:29		
Antimony	ND	5.0	ug/L	SW846 6020	05/21-05/29/08	KM4TG1AD
		Dilution Factor: 1		Analysis Time...: 06:29		
Arsenic	ND	5.0	ug/L	SW846 6020	05/21-05/29/08	KM4TG1AE
		Dilution Factor: 1		Analysis Time...: 06:29		
Barium	1.4 B	20.0	ug/L	SW846 6020	05/21-05/29/08	KM4TG1AF
		Dilution Factor: 1		Analysis Time...: 06:29		
Beryllium	ND	2.0	ug/L	SW846 6020	05/21-05/29/08	KM4TG1AG
		Dilution Factor: 1		Analysis Time...: 06:29		
Cadmium	ND	2.0	ug/L	SW846 6020	05/21-05/29/08	KM4TG1AH
		Dilution Factor: 1		Analysis Time...: 06:29		
Calcium	4370	250	ug/L	SW846 6020	05/21-05/29/08	KM4TG1AJ
		Dilution Factor: 1		Analysis Time...: 06:29		
Chromium	5.8 B,J	10.0	ug/L	SW846 6020	05/21-05/29/08	KM4TG1AK
		Dilution Factor: 1		Analysis Time...: 06:29		
Cobalt	ND	5.0	ug/L	SW846 6020	05/21-05/29/08	KM4TG1AL
		Dilution Factor: 1		Analysis Time...: 06:29		
Copper	1.6 B	10.0	ug/L	SW846 6020	05/21-05/29/08	KM4TG1AM
		Dilution Factor: 1		Analysis Time...: 06:29		
Iron	48.8 B	50.0	ug/L	SW846 6020	05/21-05/29/08	KM4TG1AN
		Dilution Factor: 1		Analysis Time...: 06:29		
Lead	ND	3.0	ug/L	SW846 6020	05/21-05/29/08	KM4TG1AP
		Dilution Factor: 1		Analysis Time...: 06:29		
Magnesium	273	250	ug/L	SW846 6020	05/21-05/29/08	KM4TG1AQ
		Dilution Factor: 1		Analysis Time...: 06:29		

(Continued on next page)

Outfall 008(HW)
 Sampled 5/9/08
 Filtered

Brookhaven National Labs

Client Sample ID: 25776-004

TOTAL Metals

Lot-Sample #...: F8E130228-004

Matrix.....: W

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Manganese	1.5 B	5.0	ug/L	SW846 6020	05/21-05/29/08	KM4TG1AR
		Dilution Factor: 1		Analysis Time...: 06:29		
Nickel	0.55 B	10.0	ug/L	SW846 6020	05/21-05/29/08	KM4TG1AT
		Dilution Factor: 1		Analysis Time...: 06:29		
Potassium	328 B	2000	ug/L	SW846 6020	05/21-05/29/08	KM4TG1AU
		Dilution Factor: 1		Analysis Time...: 06:29		
Selenium	ND	5.0	ug/L	SW846 6020	05/21-05/29/08	KM4TG1AV
		Dilution Factor: 1		Analysis Time...: 06:29		
Silver	ND	2.0	ug/L	SW846 6020	05/21-05/29/08	KM4TG1AW
		Dilution Factor: 1		Analysis Time...: 06:29		
Sodium	919	250	ug/L	SW846 6020	05/21-05/29/08	KM4TG1AX
		Dilution Factor: 1		Analysis Time...: 06:29		
Thallium	ND	5.0	ug/L	SW846 6020	05/21-05/29/08	KM4TG1AO
		Dilution Factor: 1		Analysis Time...: 06:29		
Vanadium	ND	5.0	ug/L	SW846 6020	05/21-05/29/08	KM4TG1A1
		Dilution Factor: 1		Analysis Time...: 06:29		
Zinc	ND	10.0	ug/L	SW846 6020	05/21-05/29/08	KM4TG1A2
		Dilution Factor: 1		Analysis Time...: 06:29		
Prep Batch #...: 8148066						
Mercury	ND	0.20	ug/L	SW846 7470A	05/28/08	KM4TG1AA
		Dilution Factor: 1		Analysis Time...: 13:19		

NOTE(S):

- B Estimated result. Result is less than RL.
- J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Outfall 008 (HW)
 Sampled 5/9/08
 Filtered

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 208367

METHOD TYPE:SW846

SAMPLE ID: 208367002

CLIENT ID: 25777-002

CONTRACT: BRKL00504

MATRIX:W

DATE RECEIVED 13-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>
7429-90-5	Aluminum	17700	ug/L		N	P	68	1	OPTIMA3	052208A-1
7440-36-0	Antimony	3	ug/L	U		P	3	1	OPTIMA3	052208A-1
7440-38-2	Arsenic	3.8	ug/L	B		MS	1.5	1	ICPMS6	080528-4
7440-39-3	Barium	126	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	2.5	ug/L	B		P	1	1	OPTIMA3	052208A-1
7440-70-2	Calcium	24900	ug/L			P	30	1	OPTIMA3	052208A-1
7440-47-3	Chromium	29.8	ug/L			P	2	1	OPTIMA3	052208A-1
7440-48-4	Cobalt	7.6	ug/L	B		P	1	1	OPTIMA3	052208A-1
7440-50-8	Copper	67.7	ug/L			P	3	1	OPTIMA3	052208A-1
7439-89-6	Iron	21700	ug/L			P	25	1	OPTIMA3	052208A-1
7439-92-1	Lead	123	ug/L			MS	0.5	1	ICPMS6	080528-2
7439-95-4	Magnesium	7510	ug/L			P	85	1	OPTIMA3	052208A-1
7439-96-5	Manganese	324	ug/L			P	2	1	OPTIMA3	052208A-1
7439-97-6	Mercury	0.130	ug/L	B		AV	0.03	1	MER536	052908W2-5
7440-02-0	Nickel	22.6	ug/L	B		P	1	1	OPTIMA3	052208A-1
7440-09-7	Potassium	2220	ug/L	B		P	50	1	OPTIMA3	052208A-1
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS6	080528-2
7440-22-4	Silver	1.3	ug/L	B		P	1	1	OPTIMA3	052208A-1
7440-23-5	Sodium	2270	ug/L	B		P	45	1	OPTIMA3	052208A-1
7440-28-0	Thallium	0.860	ug/L	B		MS	0.3	1	ICPMS6	080528-2
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA3	052208A-1
7440-62-2	Vanadium	53.7	ug/L			P	1	1	OPTIMA3	052208A-1
7440-66-6	Zinc	380	ug/L			P	2	1	OPTIMA3	052208A-1

*Outfall 008 (HW)
Sampled 5/9/08
Un-filtered*

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 206156

METHOD TYPE: SW846

SAMPLE ID: 206156001

CLIENT ID: 25606-001

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 05-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	68	ug/L	U		P	68	1	OPTIMA3	042208-1
7440-36-0	Antimony	3.7	ug/L	B		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	2.1	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	2660	ug/L	B		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	7.8	ug/L	B		P	3	1	OPTIMA3	042208-1
7439-89-6	Iron	36.6	ug/L	B		P	25	1	OPTIMA3	042208-1
7439-92-1	Lead	0.50	ug/L	U		MS	0.5	1	ICPMS6	080423-2
7439-95-4	Magnesium	516	ug/L	B		P	85	1	OPTIMA3	042208-1
7439-96-5	Manganese	3.4	ug/L	B		P	2	1	OPTIMA3	042208-1
7439-97-6	Mercury	0.030	ug/L	U		AV	0.03	1	MER536	042408W1-4
7440-02-0	Nickel	1.2	ug/L	B		P	1	1	OPTIMA3	042208-1
7440-09-7	Potassium	290	ug/L	B		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	1530	ug/L	B		P	45	1	OPTIMA3	042208-1
7440-28-0	Thallium	0.660	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	1	ug/L	U		P	1	1	OPTIMA3	042208-1
7440-66-6	Zinc	23.9	ug/L			P	2	1	OPTIMA3	042208-1

outfall 008 (HW)
Sampled 4/4/08

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: June 27, 2008

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

Client Sample ID: 25920-003
Sample ID: 209893003
Matrix: Water
Collect Date: 04-JUN-08 09:45
Receive Date: 06-JUN-08 09:30
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25920
Samp Recv.:
Client Desc.: CSF outfall

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Oil & Grease Analysis Federal											
<i>EPA 1664A n-Hexane Extractable Material (Oil and G "As Received"</i>											
Oil and Grease	J	2.20	1.40	5.00	mg/L		JXT1	06/09/08	1038	762792	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 010 (CSF)
Sampled 6/4/08

Brookhaven National Labs

Client Sample ID: 25776-002

TOTAL Metals

Lot-Sample #...: F8E130228-002

Matrix.....: W

Date Sampled...: 05/09/08 14:28 Date Received...: 05/13/08

PARAMETER	RESULT	REPORTING			METHOD	PREPARATION- ANALYSIS DATE	WORK ORDER #
		LIMIT	UNITS				
Prep Batch #...: 8142449							
Aluminum	109	50.0	ug/L		SW846 6020	05/21-05/29/08	KM4RX1AC
		Dilution Factor: 1			Analysis Time...: 06:16		
Antimony	0.84 B	5.0	ug/L		SW846 6020	05/21-05/29/08	KM4RX1AD
		Dilution Factor: 1			Analysis Time...: 06:16		
Arsenic	ND	5.0	ug/L		SW846 6020	05/21-05/29/08	KM4RX1AE
		Dilution Factor: 1			Analysis Time...: 06:16		
Barium	0.95 B	20.0	ug/L		SW846 6020	05/21-05/29/08	KM4RX1AF
		Dilution Factor: 1			Analysis Time...: 06:16		
Beryllium	ND	2.0	ug/L		SW846 6020	05/21-05/29/08	KM4RX1AG
		Dilution Factor: 1			Analysis Time...: 06:16		
Cadmium	ND	2.0	ug/L		SW846 6020	05/21-05/29/08	KM4RX1AH
		Dilution Factor: 1			Analysis Time...: 06:16		
Calcium	1750	250	ug/L		SW846 6020	05/21-05/29/08	KM4RX1AJ
		Dilution Factor: 1			Analysis Time...: 06:16		
Chromium	3.6 B,J	10.0	ug/L		SW846 6020	05/21-05/29/08	KM4RX1AK
		Dilution Factor: 1			Analysis Time...: 06:16		
Cobalt	1.0 B	5.0	ug/L		SW846 6020	05/21-05/29/08	KM4RX1AL
		Dilution Factor: 1			Analysis Time...: 06:16		
Copper	2.3 B	10.0	ug/L		SW846 6020	05/21-05/29/08	KM4RX1AM
		Dilution Factor: 1			Analysis Time...: 06:16		
Iron	86.1	50.0	ug/L		SW846 6020	05/21-05/29/08	KM4RX1AN
		Dilution Factor: 1			Analysis Time...: 06:16		
Lead	ND	3.0	ug/L		SW846 6020	05/21-05/29/08	KM4RX1AP
		Dilution Factor: 1			Analysis Time...: 06:16		
Magnesium	200 B	250	ug/L		SW846 6020	05/21-05/29/08	KM4RX1AQ
		Dilution Factor: 1			Analysis Time...: 06:16		

(Continued on next page)

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

Brookhaven National Labs

Client Sample ID: 25776-002

TOTAL Metals

Lot-Sample #...: F8E130228-002

Matrix.....: W

PARAMETER	RESULT	REPORTING		METHOD	PREPARATION-	WORK
		LIMIT	UNITS		ANALYSIS DATE	ORDER #
Manganese	6.3	5.0	ug/L	SW846 6020	05/21-05/29/08	KM4RX1AR
		Dilution Factor: 1		Analysis Time...: 06:16		
Nickel	0.93 B	10.0	ug/L	SW846 6020	05/21-05/29/08	KM4RX1AT
		Dilution Factor: 1		Analysis Time...: 06:16		
Potassium	201 B	2000	ug/L	SW846 6020	05/21-05/29/08	KM4RX1AU
		Dilution Factor: 1		Analysis Time...: 06:16		
Selenium	ND	5.0	ug/L	SW846 6020	05/21-05/29/08	KM4RX1AV
		Dilution Factor: 1		Analysis Time...: 06:16		
Silver	ND	2.0	ug/L	SW846 6020	05/21-05/29/08	KM4RX1AW
		Dilution Factor: 1		Analysis Time...: 06:16		
Sodium	1290	250	ug/L	SW846 6020	05/21-05/29/08	KM4RX1AX
		Dilution Factor: 1		Analysis Time...: 06:16		
Thallium	0.17 B	5.0	ug/L	SW846 6020	05/21-05/29/08	KM4RX1AO
		Dilution Factor: 1		Analysis Time...: 06:16		
Vanadium	ND	5.0	ug/L	SW846 6020	05/21-05/29/08	KM4RX1A1
		Dilution Factor: 1		Analysis Time...: 06:16		
Zinc	6.6 B	10.0	ug/L	SW846 6020	05/21-05/29/08	KM4RX1A2
		Dilution Factor: 1		Analysis Time...: 06:16		
Prep Batch #...: 8148066						
Mercury	ND	0.20	ug/L	SW846 7470A	05/28/08	KM4RX1AA
		Dilution Factor: 1		Analysis Time...: 13:15		

NOTE(S) :

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Outfall 010 (CF)
 Sampled 5/9/08
 Filtered

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 208367

METHOD TYPE:SW846

SAMPLE ID: 208367003

CLIENT ID: 25777-003

CONTRACT: BRKL00504

MATRIX:W

DATE RECEIVED 13-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>
7429-90-5	Aluminum	4490	ug/L		N	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	ICPMS6	080528-4
7440-39-3	Barium	17.9	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	2750	ug/L	B		P	30	1	OPTIMA3	052208A-1
7440-47-3	Chromium	5.5	ug/L	B		P	2	1	OPTIMA3	052208A-1
7440-48-4	Cobalt	2.3	ug/L	B		P	1	1	OPTIMA3	052208A-1
7440-50-8	Copper	16.2	ug/L	B		P	3	1	OPTIMA3	052208A-1
7439-89-6	Iron	4540	ug/L			P	25	1	OPTIMA3	052208A-1
7439-92-1	Lead	19.7	ug/L			MS	0.5	1	ICPMS6	080528-2
7439-95-4	Magnesium	1140	ug/L	B		P	85	1	OPTIMA3	052208A-1
7439-96-5	Manganese	63.6	ug/L			P	2	1	OPTIMA3	052208A-1
7439-97-6	Mercury	0.030	ug/L	U		AV	0.03	1	MER536	052908W2-5
7440-02-0	Nickel	6.3	ug/L	B		P	1	1	OPTIMA3	052208A-1
7440-09-7	Potassium	625	ug/L	B		P	50	1	OPTIMA3	052208A-1
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS6	080528-2
7440-22-4	Silver	1	ug/L	U		P	1	1	OPTIMA3	052208A-1
7440-23-5	Sodium	1360	ug/L	B		P	45	1	OPTIMA3	052208A-1
7440-28-0	Thallium	0.30	ug/L	U		MS	0.3	1	ICPMS6	080528-2
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA3	052208A-1
7440-62-2	Vanadium	16.7	ug/L	B		P	1	1	OPTIMA3	052208A-1
7440-66-6	Zinc	41.9	ug/L			P	2	1	OPTIMA3	052208A-1

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

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 206156

METHOD TYPE:SW846

SAMPLE ID: 206156002

CLIENT ID: 25606-002

CONTRACT: BRKL00504

MATRIX:W

DATE RECEIVED 05-APR-08

LEVEL: Low %SOLIDS:

CAS No	Analyte	Result	Units	C	Qual	M	MDL	DF	Instrument ID	Analytical Run
7429-90-5	Aluminum	91.7	ug/L	B		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	1.2	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	1780	ug/L	B		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	8.3	ug/L	B		P	3	1	OPTIMA3	042208-1
7439-89-6	Iron	95.7	ug/L	B		P	25	1	OPTIMA3	042208-1
7439-92-1	Lead	0.50	ug/L	U		MS	0.5	1	ICPMS6	080423-2
7439-95-4	Magnesium	206	ug/L	B		P	85	1	OPTIMA3	042208-1
7439-96-5	Manganese	5.3	ug/L	B		P	2	1	OPTIMA3	042208-1
7439-97-6	Mercury	0.030	ug/L	U		AV	0.03	1	MER536	042408W1-4
7440-02-0	Nickel	1	ug/L	U		P	1	1	OPTIMA3	042208-1
7440-09-7	Potassium	119	ug/L	B		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	2420	ug/L	B		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	1	ug/L	U		P	1	1	OPTIMA3	042208-1
7440-66-6	Zinc	8.1	ug/L	B		P	2	1	OPTIMA3	042208-1

Outfall 010 (CSF)
Sampled 4/4/08

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 206306	Date Collected: 04/07/2008 14:00	Matrix: WATER
Lab Sample ID: 206306008	Date Received: 04/09/2008 09:35	
Client Sample: Bldg 535 PCB	Client: BRKL005	Project: BRKL00504
Client ID: 25662-008	Method: EPA 625	SOP Ref: GL-OA-E-009
Batch ID: 744739	Inst: MSD6.I	Dilution: 1
Run Date: 04/15/2008 19:26	Analyst: JLD1	Inj. Vol: .5 uL
Prep Date: 04/14/2008 18:10	Aliquot: 980 mL	Final Volume: 1 mL
Data File: s6d1510.d	Column: J&W DB-5MS	Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	RDL
62-75-9	N-Methyl-N-nitrosomethylamine	U	10.2	ug/L	2.04	10.2	10.0
108-95-2	Phenol	U	10.2	ug/L	1.02	10.2	10.0
95-57-8	2-Chlorophenol	U	10.2	ug/L	2.04	10.2	10.0
106-46-7	1,4-Dichlorobenzene	U	10.2	ug/L	2.04	10.2	10.0
621-64-7	N-Nitrosodipropylamine	U	10.2	ug/L	2.04	10.2	10.0
59-50-7	4-Chloro-3-methylphenol	U	10.2	ug/L	2.04	10.2	10.0
83-32-9	Acenaphthene	U	1.02	ug/L	0.316	1.02	10.0
121-14-2	2,4-Dinitrotoluene	U	10.2	ug/L	2.04	10.2	10.0
100-02-7	4-Nitrophenol	U	10.2	ug/L	2.04	10.2	50.0
87-86-5	Pentachlorophenol	U	10.2	ug/L	2.04	10.2	50.0
129-00-0	Pyrene	U	1.02	ug/L	0.306	1.02	10.0
111-44-4	bis(2-Chloroethyl) ether	U	10.2	ug/L	2.04	10.2	10.0
541-73-1	1,3-Dichlorobenzene	U	10.2	ug/L	2.04	10.2	10.0
95-50-1	1,2-Dichlorobenzene	U	10.2	ug/L	2.04	10.2	10.0
108-60-1	bis(2-Chloroisopropyl)ether	U	10.2	ug/L	2.04	10.2	10.0
67-72-1	Hexachloroethane	U	10.2	ug/L	2.04	10.2	10.0
98-95-3	Nitrobenzene	U	10.2	ug/L	3.06	10.2	10.0
78-59-1	Isophorone	U	10.2	ug/L	2.04	10.2	10.0
88-75-5	2-Nitrophenol	U	10.2	ug/L	2.04	10.2	10.0
105-67-9	2,4-Dimethylphenol	U	10.2	ug/L	2.04	10.2	10.0
111-91-1	bis(2-Chloroethoxy)methane	U	10.2	ug/L	3.06	10.2	10.0
120-83-2	2,4-Dichlorophenol	U	10.2	ug/L	2.04	10.2	10.0
91-20-3	Naphthalene	U	1.02	ug/L	0.306	1.02	10.0
87-68-3	Hexachlorobutadiene	U	10.2	ug/L	2.04	10.2	10.0
77-47-4	Hexachlorocyclopentadiene	U	10.2	ug/L	2.04	10.2	10.0
88-06-2	2,4,6-Trichlorophenol	U	10.2	ug/L	2.04	10.2	10.0
91-58-7	2-Chloronaphthalene	U	1.02	ug/L	0.357	1.02	10.0
131-11-3	Dimethylphthalate	U	10.2	ug/L	2.04	10.2	10.0
606-20-2	2,6-Dinitrotoluene	U	10.2	ug/L	2.04	10.2	10.0
208-96-8	Acenaphthylene	U	1.02	ug/L	0.204	1.02	10.0
51-28-5	2,4-Dinitrophenol	U	20.4	ug/L	10.2	20.4	50.0
84-66-2	Diethylphthalate	U	10.2	ug/L	2.04	10.2	10.0
86-73-7	Fluorene	U	1.02	ug/L	0.204	1.02	10.0
7005-72-3	4-Chlorophenylphenylether	U	10.2	ug/L	2.04	10.2	10.0
534-52-1	2-Methyl-4,6-dinitrophenol	U	10.2	ug/L	3.06	10.2	50.0
122-39-4	Diphenylamine	U	10.2	ug/L	3.06	10.2	10.0
101-55-3	4-Bromophenylphenylether	U	10.2	ug/L	2.04	10.2	10.0
118-74-1	Hexachlorobenzene	U	10.2	ug/L	2.04	10.2	10.0

Building 535 (PCB)
Sampled 4/7/08

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 206306	Date Collected: 04/07/2008 14:00	Matrix: WATER
Lab Sample ID: 206306008	Date Received: 04/09/2008 09:35	
Client Sample: Bldg 535 PCB	Client: BRKL005	Project: BRKL00504
Client ID: 25662-008	Method: EPA 625	SOP Ref: GL-OA-E-009
Batch ID: 744739	Inst: MSD6.I	Dilution: 1
Run Date: 04/15/2008 19:26	Analyst: JLD1	Inj. Vol: .5 uL
Prep Date: 04/14/2008 18:10	Aliquot: 980 mL	Final Volume: 1 mL
Data File: s6d1510.d	Column: J&W DB-5MS	Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	RDL
85-01-8	Phenanthrene	U	1.02	ug/L	0.204	1.02	10.0
120-12-7	Anthracene	U	1.02	ug/L	0.204	1.02	10.0
84-74-2	Di-n-butylphthalate	U	10.2	ug/L	2.04	10.2	10.0
206-44-0	Fluoranthene	U	1.02	ug/L	0.204	1.02	10.0
85-68-7	Butylbenzylphthalate	U	10.2	ug/L	2.04	10.2	10.0
56-55-3	Benzo(a)anthracene	U	1.02	ug/L	0.204	1.02	10.0
91-94-1	3,3'-Dichlorobenzidine	U	10.2	ug/L	1.02	10.2	40.0
218-01-9	Chrysene	U	1.02	ug/L	0.204	1.02	10.0
117-81-7	bis(2-Ethylhexyl)phthalate	U	10.2	ug/L	2.04	10.2	10.0
117-84-0	Di-n-octylphthalate	U	10.2	ug/L	3.06	10.2	10.0
205-99-2	Benzo(b)fluoranthene	U	1.02	ug/L	0.204	1.02	10.0
207-08-9	Benzo(k)fluoranthene	U	1.02	ug/L	0.204	1.02	10.0
50-32-8	Benzo(a)pyrene	U	1.02	ug/L	0.204	1.02	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.02	ug/L	0.204	1.02	10.0
53-70-3	Dibenzo(a,h)anthracene	U	1.02	ug/L	0.204	1.02	10.0
191-24-2	Benzo(ghi)perylene	U	1.02	ug/L	0.204	1.02	10.0
120-82-1	1,2,4-Trichlorobenzene	U	10.2	ug/L	2.04	10.2	10.0

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 206306

METHOD TYPE: SW846

SAMPLE ID: 206306008

CLIENT ID: 25662-008

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 09-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	68	ug/L	U		P	68	1	OPTIMA3	042508B-1
7440-36-0	Antimony	3.7	ug/L	B		P	3	1	OPTIMA3	042508B-1
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS6	080429-2
7440-39-3	Barium	29.5	ug/L	B		P	1	1	OPTIMA3	042508B-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA3	042508B-1
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA3	042508B-1
7440-70-2	Calcium	7250	ug/L			P	30	1	OPTIMA3	042508B-1
7440-47-3	Chromium	2	ug/L	U		P	2	1	OPTIMA3	042508B-1
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA3	042508B-1
7440-50-8	Copper	438	ug/L			P	3	1	OPTIMA3	042508B-1
7439-89-6	Iron	54.7	ug/L	B		P	25	1	OPTIMA3	042508B-1
7439-92-1	Lead	8.6	ug/L	B		MS	0.5	1	ICPMS6	080429-2
7439-95-4	Magnesium	2760	ug/L	B		P	85	1	OPTIMA3	042508B-1
7439-96-5	Manganese	35.5	ug/L			P	2	1	OPTIMA3	042508B-1
7439-97-6	Mercury	0.030	ug/L	U		AV	0.03	1	MER536	042808W1-3
7440-02-0	Nickel	16.9	ug/L	B		P	1	1	OPTIMA3	042508B-1
7440-09-7	Potassium	886	ug/L	B		P	50	1	OPTIMA3	042508B-1
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS6	080429-2
7440-22-4	Silver	1	ug/L	U		P	1	1	OPTIMA3	042508B-1
7440-23-5	Sodium	19600	ug/L			P	45	1	OPTIMA3	042508B-1
7440-28-0	Thallium	0.30	ug/L	U		MS	0.3	1	ICPMS6	080429-2
7440-31-5	Tin	460	ug/L			P	2.5	1	OPTIMA3	042508B-1
7440-62-2	Vanadium	1	ug/L	U		P	1	1	OPTIMA3	042508B-1
7440-66-6	Zinc	135	ug/L			P	2	1	OPTIMA3	042508B-1

Building 535 (PCB)
Sampled 4/7/08

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 207574	Date Collected: 04/29/2008 10:50	Matrix: WATER
Lab Sample ID: 207574001	Date Received: 04/30/2008 09:00	
Client Sample: 498 CF	Client: BRKL005	Project: BRKL00504
Client ID: 25739-001	Method: EPA 625	SOP Ref: GL-OA-E-009
Batch ID: 751910	Inst: MSD2.I	Dilution: 1
Run Date: 05/06/2008 21:33	Analyst: AGSI	Inj. Vol: .5 uL
Prep Date: 05/05/2008 18:30	Aliquot: 1000 mL	Final Volume: 1 mL
Data File: s2e0607.d	Column: J&W DB-5MS	Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	RDL
62-75-9	N-Methyl-N-nitrosomethylamine	U	10.0	ug/L	2.00	10.0	10.0
108-95-2	Phenol	U	10.0	ug/L	1.00	10.0	10.0
95-57-8	2-Chlorophenol	U	10.0	ug/L	2.00	10.0	10.0
106-46-7	1,4-Dichlorobenzene	U	10.0	ug/L	2.00	10.0	10.0
621-64-7	N-Nitrosodipropylamine	U	10.0	ug/L	2.00	10.0	10.0
59-50-7	4-Chloro-3-methylphenol	U	10.0	ug/L	2.00	10.0	10.0
83-32-9	Acenaphthene	U	1.00	ug/L	0.310	1.00	10.0
121-14-2	2,4-Dinitrotoluene	U	10.0	ug/L	2.00	10.0	10.0
100-02-7	4-Nitrophenol	U	10.0	ug/L	2.00	10.0	50.0
87-86-5	Pentachlorophenol	U	10.0	ug/L	2.00	10.0	50.0
129-00-0	Pyrene	U	1.00	ug/L	0.300	1.00	10.0
111-44-4	bis(2-Chloroethyl) ether	U	10.0	ug/L	2.00	10.0	10.0
541-73-1	1,3-Dichlorobenzene	U	10.0	ug/L	2.00	10.0	10.0
95-50-1	1,2-Dichlorobenzene	U	10.0	ug/L	2.00	10.0	10.0
108-60-1	bis(2-Chloroisopropyl)ether	U	10.0	ug/L	2.00	10.0	10.0
67-72-1	Hexachloroethane	U	10.0	ug/L	2.00	10.0	10.0
98-95-3	Nitrobenzene	U	10.0	ug/L	3.00	10.0	10.0
78-59-1	Isophorone	U	10.0	ug/L	2.00	10.0	10.0
88-75-5	2-Nitrophenol	U	10.0	ug/L	2.00	10.0	10.0
105-67-9	2,4-Dimethylphenol	U	10.0	ug/L	2.00	10.0	10.0
111-91-1	bis(2-Chloroethoxy)methane	U	10.0	ug/L	3.00	10.0	10.0
120-83-2	2,4-Dichlorophenol	U	10.0	ug/L	2.00	10.0	10.0
91-20-3	Naphthalene	U	1.00	ug/L	0.300	1.00	10.0
87-68-3	Hexachlorobutadiene	U	10.0	ug/L	2.00	10.0	10.0
77-47-4	Hexachlorocyclopentadiene	U	10.0	ug/L	2.00	10.0	10.0
88-06-2	2,4,6-Trichlorophenol	U	10.0	ug/L	2.00	10.0	10.0
91-58-7	2-Chloronaphthalene	U	1.00	ug/L	0.350	1.00	10.0
131-11-3	Dimethylphthalate	U	10.0	ug/L	2.00	10.0	10.0
606-20-2	2,6-Dinitrotoluene	U	10.0	ug/L	2.00	10.0	10.0
208-96-8	Acenaphthylene	U	1.00	ug/L	0.200	1.00	10.0
51-28-5	2,4-Dinitrophenol	U	20.0	ug/L	10.0	20.0	50.0
84-66-2	Diethylphthalate	U	10.0	ug/L	2.00	10.0	10.0
86-73-7	Fluorene	U	1.00	ug/L	0.200	1.00	10.0
7005-72-3	4-Chlorophenylphenylether	U	10.0	ug/L	2.00	10.0	10.0
534-52-1	2-Methyl-4,6-dinitrophenol	U	10.0	ug/L	3.00	10.0	50.0
122-39-4	Diphenylamine	U	10.0	ug/L	3.00	10.0	10.0
101-55-3	4-Bromophenylphenylether	U	10.0	ug/L	2.00	10.0	10.0
118-74-1	Hexachlorobenzene	U	10.0	ug/L	2.00	10.0	10.0

Building 498 (Cleaning Facility)
Sampled 4/29/08

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 207574	Date Collected: 04/29/2008 10:50	Matrix: WATER
Lab Sample ID: 207574001	Date Received: 04/30/2008 09:00	
Client Sample: 498 CF	Client: BRKL005	Project: BRKL00504
Client ID: 25739-001	Method: EPA 625	SOP Ref: GL-OA-E-009
Batch ID: 751910	Inst: MSD2.I	Dilution: 1
Run Date: 05/06/2008 21:33	Analyst: AGS1	Inj. Vol: .5 uL
Prep Date: 05/05/2008 18:30	Aliquot: 1000 mL	Final Volume: 1 mL
Data File: s2e0607.d	Column: J&W DB-5MS	Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	RDL
85-01-8	Phenanthrene	U	1.00	ug/L	0.200	1.00	10.0
120-12-7	Anthracene	U	1.00	ug/L	0.200	1.00	10.0
84-74-2	Di-n-butylphthalate	U	10.0	ug/L	2.00	10.0	10.0
206-44-0	Fluoranthene	U	1.00	ug/L	0.200	1.00	10.0
85-68-7	Butylbenzylphthalate	U	10.0	ug/L	2.00	10.0	10.0
56-55-3	Benzo(a)anthracene	U	1.00	ug/L	0.200	1.00	10.0
91-94-1	3,3'-Dichlorobenzidine	U	10.0	ug/L	1.00	10.0	40.0
218-01-9	Chrysene	U	1.00	ug/L	0.200	1.00	10.0
117-81-7	bis(2-Ethylhexyl)phthalate	J	5.65	ug/L	2.00	10.0	10.0
117-84-0	Di-n-octylphthalate	U	10.0	ug/L	3.00	10.0	10.0
205-99-2	Benzo(b)fluoranthene	U	1.00	ug/L	0.200	1.00	10.0
207-08-9	Benzo(k)fluoranthene	U	1.00	ug/L	0.200	1.00	10.0
50-32-8	Benzo(a)pyrene	U	1.00	ug/L	0.200	1.00	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.00	ug/L	0.200	1.00	10.0
53-70-3	Dibenzo(a,h)anthracene	U	1.00	ug/L	0.200	1.00	10.0
191-24-2	Benzo(ghi)perylene	U	1.00	ug/L	0.200	1.00	10.0
120-82-1	1,2,4-Trichlorobenzene	U	10.0	ug/L	2.00	10.0	10.0

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 207574

METHOD TYPE: SW846

SAMPLE ID: 207574001

CLIENT ID: 25739-001

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 30-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	68	ug/L	U		P	68	1	OPTIMA3	050708-1
7440-36-0	Antimony	3	ug/L	U		P	3	1	OPTIMA3	050708-1
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS6	080505-7
7440-39-3	Barium	1.1	ug/L	B		P	1	1	OPTIMA3	050708-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA3	050708-1
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA3	050708-1
7440-70-2	Calcium	79.2	ug/L	B		P	30	1	OPTIMA3	050708-1
7440-47-3	Chromium	4.8	ug/L	B		P	2	1	OPTIMA3	050708-1
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA3	050708-1
7440-50-8	Copper	133	ug/L			P	3	1	OPTIMA3	050708-1
7439-89-6	Iron	248	ug/L			P	25	1	OPTIMA3	050708-1
7439-92-1	Lead	0.620	ug/L	B		MS	0.5	1	ICPMS6	080505-2
7439-95-4	Magnesium	85	ug/L	U		P	85	1	OPTIMA3	050708-1
7439-96-5	Manganese	2	ug/L	U		P	2	1	OPTIMA3	050708-1
7439-97-6	Mercury	0.030	ug/L	U		AV	0.03	1	MER536	050808W1-8
7440-02-0	Nickel	1.1	ug/L	B		P	1	1	OPTIMA3	050708-1
7440-09-7	Potassium	50	ug/L	U		P	50	1	OPTIMA3	050708-1
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS6	080505-2
7440-22-4	Silver	1	ug/L	U		P	1	1	OPTIMA3	050708-1
7440-23-5	Sodium	228	ug/L	B		P	45	1	OPTIMA3	050708-1
7440-28-0	Thallium	0.620	ug/L	B		MS	0.3	1	ICPMS6	080505-2
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA3	050708-1
7440-62-2	Vanadium	4.9	ug/L	B		P	1	1	OPTIMA3	050708-1
7440-66-6	Zinc	22.8	ug/L			P	2	1	OPTIMA3	050708-1

Building 498 (Cleaning Facility)
Sampled 4/29/08