

BROOKHAVEN
NATIONAL LABORATORY

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

April 18, 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 March 2008**

In accordance with our SPDES permit (NY-0005835), enclosed as Attachment I, please find the DMR for the month of March 2008. General Engineering Laboratories, LLC (ELAP Certification #11501) performs most of the analyses on SPDES samples, while H2M Labs, Inc. (NELAP Certification #10478) performs the BOD-5, Nitrogen series, and fecal coliform analyses and CHEMTEX Environmental Laboratory, Inc. (NELAP Certification #02077) performs specialty analyses for tolyltriazole, hydroxyethylidene diphosphonic acid, and polypropylene glycol monobutyl ether. These laboratories are certified by the New York State Department of Health. Field measured parameters (pH, settleable solids, flow) are recorded and/or measured by BNL. Copies of the analytical reports will be retained in our files and will be made available upon request.

With the exception of one noncompliance event for total nitrogen at Outfall 001, review of the analytical data shows that all other parameters met their respective SPDES effluent limitations this reporting period. A sample collected on March 7, 2008 exhibited a total nitrogen concentration of 10.6 mg/L, which exceeded the permit limit of 10 mg/L. Please see Attachment II for the noncompliance report, which provides more detail on the issue.

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 March 2008.

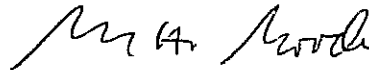


Registered to
ISO 14001

April 18, 2008

If you should have any questions, please contact Jason Remien or Robert Lee of my staff at (631) 344-3477 and (631) 344-3148 respectively.

Sincerely,



George A. Goode
Environmental & Waste Management Services
Division Manager

- Attachment I: Discharge Monitoring Report for March 2008.
- Attachment II: Noncompliance Report for Total Nitrogen Excursion at Outfall 001
- Attachment III: Analytical Results from H2M Labs Inc. and General Engineering Laboratories, LLC for samples collected on 3/3/08, 3/5/08, and 3/7/08 from Outfall 001 (BNL Use Only).
- Attachment IV: 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).

GAG/JR:djp

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 March 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.
6. The total nitrogen concentration did not meet the permit limits for the sample collected on March 7, 2008. Please see attachment II for the Non-Compliance Report.

ATTACHMENT I
BROOKHAVEN NATIONAL LABORATORY
SPDES PERMIT NO. NY0005835
DISCHARGE MONITORING REPORT FOR MARCH 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/AUSTIC CLEANG RINSE 535B
 External Outfall

NY0005835	001A
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD					
FROM		TO			
YEAR	MO	DAY	YEAR	MO	DAY
08	01	01	06	03	31

No Discharge

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Flow rate	MEASUREMENT	1400	*****	*****	*****	*****	*****	0	03/90	RC
00056 1 0 Effluent Gross pH	PERMIT REQUIREMENT	Req. Mon. DAILY AV	*****	*****	*****	*****	*****		Quarterly	RCORDR
00400 1 0 Effluent Gross	MEASUREMENT	*****	*****	6.4	*****	*****	6.4	0	01/90	GR
	PERMIT REQUIREMENT	*****	*****	Req. Mon. MINIMUM	*****	*****	Req. Mon. MAXIMUM		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 04 DAY 21
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	001B
PERMIT NUMBER	DISCHARGE NUMBER

DMR MAILING ZIP CODE: 11973
 MAJOR (SUBR 01)
 RINSE FROM CENTRAL DEGREASER 488
 External Outfall

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
08	01	01	08	03	31

No Discharge

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	UNITS	VALUE	UNITS			
Flow rate	260	*****	*****	*****	*****	*****	0	01/90	RC
00056 1 0 Effluent Gross	Req. Mon. DAILY AV	*****	*****	*****	*****	*****		Quarterly	RCORDR
pH	*****	*****	3.0	*****	*****	*****	0	01/90	GR
00400 1 0 Effluent Gross	*****	*****	Req. Mon. MINIMUM	*****	*****	Req. Mon. MAXIMUM		Quarterly	GRAB
Chromium, total (as Cr)	*****	*****	*****	*****	*****	16.5	0	01/90	GR
01034 1 0 Effluent Gross	*****	*****	*****	*****	*****	Req. Mon. DAILY MX		Quarterly	GRAB
Copper, total (as Cu)	*****	*****	*****	*****	*****	2320	0	01/90	GR
01042 1 0 Effluent Gross	*****	*****	*****	*****	*****	Req. Mon. DAILY MX		Quarterly	GRAB
Iron, total (as Fe)	*****	*****	*****	*****	*****	2560	0	01/90	GR
01045 1 0 Effluent Gross	*****	*****	*****	*****	*****	Req. Mon. DAILY MX		Quarterly	GRAB
Manganese, total (as Mn)	*****	*****	*****	*****	*****	5.3	0	01/90	GR
01055 1 0 Effluent Gross	*****	*****	*****	*****	*****	Req. Mon. DAILY MX		Quarterly	GRAB
Nickel, total (as Ni)	*****	*****	*****	*****	*****	9.3	0	01/90	GR
01067 1 0 Effluent Gross	*****	*****	*****	*****	*****	Req. Mon. DAILY MX		Quarterly	GRAB

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 04 21
 YEAR MO DAY
 TELEPHONE
 631-344-4549

Michael Holland
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

NO CHANGES OR ADDITIONS OF CHEMICALS TO COOLING OR BOILER WATER W/O PRIOR NYSDC 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 01 01	08 03 31

DMR MAILING ZIP CODE: 11973
 MAJOR (SUBR 01)
 RINSE FROM CENTRL DEGREASR 498
 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	UNITS	VALUE	UNITS			
Zinc, total (as Zn)	MEASUREMENT	*****		*****		*****		0	01/90	GR
01092 1 0 Effluent Gross Bis (2-ethylhexyl) phthalate	PERMIT REQUIREMENT	*****		*****		*****	ug/L	0	Quarterly	GRAB
39100 1 0 Effluent Gross Di-n-butyl phthalate	MEASUREMENT	*****		*****		<10		0	01/90	GR
39110 1 0 Effluent Gross	PERMIT REQUIREMENT	*****		*****		*****	ug/L	0	Quarterly	GRAB
	MEASUREMENT	*****		*****		<10		0	01/90	GR
	PERMIT REQUIREMENT	*****		*****		*****	ug/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
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.			YEAR MO DAY 2008 04 21

**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	002B
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM		TO			
YEAR	MO	DAY	YEAR	MO	DAY
08	03	01	08	03	31

No Discharge

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	UNITS	VALUE	UNITS			
pH	*****		7.2		*****		01/30	GR	
00400 1 0 Effluent Gross Oil & grease	*****		Req. Mon. MINIMUM		*****	9 MAXIMUM	Once Per Month	GRAB	
00556 1 0 Effluent Gross Flow, in conduit or thru treatment plant	*****		*****		*****	3.5	01/30	GR	
50050 1 0 Effluent Gross	*****		0.01		*****	15 DAILY MX	Once Per Month	GRAB	
	*****		*****		*****	*****	04/30	RC	
	*****		*****		*****	*****	Once Per Month	RCORDR	

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		2008	04 21
Comments and Explanation of any violations (Reference all attachments here)		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	
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 531-344-4549	

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

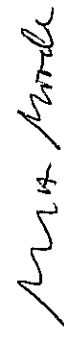
PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
 NAME BROOKHAVEN NATIONAL LABORATORY
 ADDRESS 53 BELL AVENUE, BLDG 464
 UPTON, NY 11973
 FACILITY BROOKHAVEN NATIONAL LABORATORY
 LOCATION 53 BELL AVENUE, BLDG 464
 UPTON, NY 11973
 ATTN: MICHAEL HOLLAND, OFFICE MGR

NY0005635	001D
PERMIT NUMBER	DISCHARGE NUMBER
MONITORING PERIOD	
FROM	TO
YEAR MO DAY	YEAR MO DAY
08 01 01	08 03 31

DMR MAILING ZIP CODE: 11973
 MAJOR (SUBR 01)
 PHOTOPROCESSING RINSE FROM 197B
 External Outfall

No Discharge X

PARAMETER	SAMPLING METHOD	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	UNITS	VALUE	UNITS			
Flow rate	MEASUREMENT	*****		*****		*****				
00056 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV		*****		*****		Quarterly	RCORDR	
pH	MEASUREMENT	*****	gal/d	*****		*****				
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****		Req. Mon. MINIMUM		*****	SU	Quarterly	GRAB	
Nitrogen, total (as N)	MEASUREMENT	*****		*****		*****				
00600 1 0 Effluent Gross	PERMIT REQUIREMENT	*****		*****		Req. Mon. DAILY MX	ug/L	Quarterly	GRAB	
Cyanide, total (as CN)	MEASUREMENT	*****		*****		*****				
00720 1 0 Effluent Gross	PERMIT REQUIREMENT	*****		*****		Req. Mon. DAILY MX	ug/L	Quarterly	GRAB	
Silver, total (as Ag)	MEASUREMENT	*****		*****		*****				
01077 1 0 Effluent Gross	PERMIT REQUIREMENT	*****		*****		Req. Mon. DAILY MX	ug/L	Quarterly	GRAB	
Phenolics, total recoverable	MEASUREMENT	*****		*****		*****				
32730 1 0 Effluent Gross	PERMIT REQUIREMENT	*****		*****		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	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	DATE 2008 04 21
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 MANHOLE NEAREST THE BUILDING. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS, AND REQUIREMENTS.		TELEPHONE 631-344-4569

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

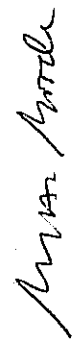
PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
 NAME BROOKHAVEN NATIONAL LABORATORY
 ADDRESS 53 BELL AVENUE, BLDG 464
 UPTON, NY 11973
 FACILITY BROOKHAVEN NATIONAL LABORATORY
 LOCATION 53 BELL AVENUE, BLDG 464
 UPTON, NY 11973
 ATTN: MICHAEL HOLLAND, OFFICE MGR

DMR MAILING ZIP CODE: 11973
 MAJOR (SUBR 01)
 BOILER BLOWDN FROM 244,405,ETC
 External Outfall

NY0005835	001E
PERMIT NUMBER	DISCHARGE NUMBER
MONITORING PERIOD	
FROM	TO
YEAR MO DAY	YEAR MO DAY
08 01 01	08 03 31

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 #5	*****		*****		*****		0		RC
00056 1 0 Effluent Gross	PERMIT REQUIREMENT: DAILY AV	*****	gal/d	*****	*****	*****		Quarterly	RCORDR	
pH	SAMPLE MEASUREMENT REQUIREMENT	*****		*****		*****		0		GR
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****		*****	Req. Min. MINIMUM	Req. Mon. MAXIMUM		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 MO DAY 2008 04 21
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 DISCHARGE TO SEWER COLLECTION SYSTEM. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS, AND REQUIREMENTS.		TELEPHONE 631-344-4818	

**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)
 COOLING TOWER WTR & BLOWDN 902
 External Outfall

NY005835	001F
PERMIT NUMBER	DISCHARGE NUMBER
MONITORING PERIOD	
FROM	TO
YEAR MO DAY	YEAR MO DAY
08 01 01	08 03 31

No Discharge

PARAMETER	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	UNITS	VALUE	UNITS			
Flow rate	MEASUREMENT PERMIT REQUIREMENT	990		*****		*****		0	03/90	RC
00056 1 0 Effluent Gross pH	MEASUREMENT PERMIT REQUIREMENT	Req. Mon. DAILY AV	gal/d	*****		*****		0	Quarterly	RCORDR
00400 1 0 Effluent Gross	MEASUREMENT PERMIT REQUIREMENT	*****		7.1		*****		0	01/90	GR
Propylene glycol monobutyl ether	MEASUREMENT PERMIT REQUIREMENT	*****		Req. Mon. MINIMUM		*****	SU	0	Quarterly	GRAB
49875 1 0 Effluent Gross	MEASUREMENT PERMIT REQUIREMENT	*****		*****		<500		0	01/90	GR
	MEASUREMENT PERMIT REQUIREMENT	*****		*****		*****	ug/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 	DATE
			YEAR MO DAY 2008 04 21
Comments and Explanation of any violations (Reference all attachments here)		TELEPHONE 631-344-4540	

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 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

NY0005835
 PERMIT NUMBER DISCHARGE NUMBER
 001M

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	03	01	08	03	31

No Discharge

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION		NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	UNITS			
Temperature, water deg. Fahrenheit	*****	*****	*****	*****	0	01/01	GR
00011 1 0 Effluent Gross	*****	*****	*****	*****	0	Daily	GRAB
BOD, 5-day, 20 deg. C	*****	*****	< 2	DAILY MX	0	03/30	24
00310 1 0 Effluent Gross	*****	*****	10 DAILY AV	20 DAILY MX	0	Once Per Month	COMP24
pH	*****	*****	6.3	*****	0	01/01	GR
00400 1 0 Effluent Gross	*****	*****	5.8 MINIMUM	9 MAXIMUM	0	Daily	GRAB
Solids, total suspended	*****	*****	< 0.6	*****	0	03/30	24
00530 1 0 Effluent Gross	*****	*****	10 DAILY AV	20 DAILY MX	0	Once Per Month	COMP24
Solids, settleable	*****	*****	*****	0.0	0	01/01	GR
00545 1 0 Effluent Gross	*****	*****	*****	0.1 DAILY MX	0	Daily	GRAB
Nitrogen, total (as N)	*****	*****	*****	11	1	03/30	24
00600 1 0 Effluent Gross	*****	*****	*****	10 DAILY MX	0	Once Per Month	COMP24
Nitrogen, ammonia total (as N)	*****	*****	*****	0.2	0	03/30	24
00610 1 0 Effluent Gross	*****	*****	*****	2 DAILY MX	0	Once Per Month	COMP24

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 George A. Goode
 Division Manager
 Environment & Waste Management
 Services Division
 Typed or Printed

DATE 2008 04 21
 YEAR MO DAY
 TELEPHONE 631-344-1549
 OFFICER OR AUTHORIZED AGENT

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 PERMIT NUMBER
 001M DISCHARGE NUMBER

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

MONITORING PERIOD
 FROM YEAR 08 MO 03 DAY 01 TO YEAR 08 MO 03 DAY 31

No Discharge

PARAMETER	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	UNITS	VALUE	UNITS			
Phosphorus, total (as P)	MEASUREMENT	*****		*****		1.5		0	03/30	24
00665 1 0 Effluent Gross	PERMIT REQUIREMENT	*****		*****		Req. Mon DAILY/MX	mg/L	0	Once Per Month	COMP24
Cyanide, total (as Cn)	MEASUREMENT	*****		*****		<1.5		0	03/30	GR
00720 1 0 Effluent Gross	PERMIT REQUIREMENT	*****		*****		100 DAILY/MX	ug/L	0	Twice Per Month	GRAB
Copper, total (as Cu) (AS CU)	MEASUREMENT	*****		*****		0.063		0	03/30	24
01042 1 0 Effluent Gross	PERMIT REQUIREMENT	*****		*****		0.15 DAILY/MX	mg/L	0	Once Per Month	COMP24
Iron, total (as Fe)	MEASUREMENT	*****		*****		0.20		0	03/30	24
01045 1 0 Effluent Gross	PERMIT REQUIREMENT	*****		*****		0.37 DAILY/MX	mg/L	0	Once Per Month	COMP24
Lead, total (as Pb)	MEASUREMENT	*****		*****		0.002		0	03/30	24
01051 1 0 Effluent Gross	PERMIT REQUIREMENT	*****		*****		0.019 DAILY/MX	mg/L	0	Once Per Month	COMP24
Nickel, total (as Ni)	MEASUREMENT	*****		*****		0.012		0	03/30	24
01067 1 0 Effluent Gross	PERMIT REQUIREMENT	*****		*****		0.11 DAILY/MX	mg/L	0	Once Per Month	COMP24
Silver, total (as Ag)	MEASUREMENT	*****		*****		0.002		0	03/30	24
01077 1 0 Effluent Gross	PERMIT REQUIREMENT	*****		*****		0.015 DAILY/MX	mg/L	0	Once Per Month	COMP24

MIT-MORDE
 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

DATE
 2008 04 21
 YEAR MO DAY
 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 EXFILTR FROM SFB. 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 & STORMWTR RNOFF
 External Outfall

NY0005635	001M
PERMIT NUMBER	DISCHARGE NUMBER
MONITORING PERIOD	
FROM	TO
YEAR MO DAY	YEAR MO DAY
08 03 01	08 03 31

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)	*****	*****	*****	*****	0.09		0	03/30	24		
01092 1 0 Effluent Gross	*****	*****	*****	*****	0.7	DAILY MX	0	Once Per Month	COMP24		
Toluene	*****	*****	*****	*****	<1		0	03/30	GR		
34010 1 0 Effluent Gross	*****	*****	*****	*****	5	DAILY MX	0	Twice Per Month	GRAB		
Methylene chloride	*****	*****	*****	*****	2		0	03/30	GR		
34423 1 0 Effluent Gross	*****	*****	*****	*****	5	DAILY MX	0	Twice Per Month	GRAB		
1, 1, 1 - Trichloroethane	*****	*****	*****	*****	<1		0	03/30	GR		
34506 1 0 Effluent Gross	*****	*****	*****	*****	5	DAILY MX	0	Twice Per Month	GRAB		
Flow, in conduit or thru treatment plant	0.32	0.49	*****	*****	*****		0	99/99	RC		
50050 1 0 Effluent Gross	Req: Mon. DAILY AV	2.3 DAILY MX	*****	*****	0.00004		0	03/30	24		
Mercury, total (as Hg)	*****	*****	*****	*****	0.00008	DAILY MX	0	Once Per Month	COMP24		
71900 1 0 Effluent Gross	*****	*****	*****	*****	<2		0	03/30	GR		
Coliform, fecal general	*****	*****	200 DAILY AV	400 DAILY MX	*****	#/100mL	0	Once Per Month	GRAB		
74055 1 0 Effluent Gross	*****	*****	*****	*****	*****		0	03/30	GRAB		
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.										
George A. Goode Division Manager	Signature: <i>George A. Goode</i> SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT										
Environmental & Waste Management Services Division Typed or Printed											
Comments and Explanation of any violations (Reference all attachments here)			DATE			YEAR MO DAY			TELEPHONE		
			2008 04 21			631-344-4649					

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)**

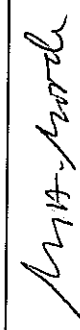
PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
 NAME BROOKHAVEN NATIONAL LABORATORY
 ADDRESS 53 BELL AVENUE, BLDG 464
 UPTON, NY 11973
 FACILITY BROOKHAVEN NATIONAL LABORATORY
 LOCATION 53 BELL AVENUE, BLDG 464
 UPTON, NY 11973
 ATTN: MICHAEL HOLLAND, OFFICE MGR

NY0005835	001M
PERMIT NUMBER	DISCHARGE NUMBER
MONITORING PERIOD	
FROM	TO
YEAR MO DAY	YEAR MO DAY
08 03 01	08 03 31

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	VALUE	UNITS			
2 - Buianone	MEASUREMENT PERMIT REQUIREMENT	*****		*****		<5		0	03/30	GR
78356 1 0 Effluent Gross BOD, 5-day, percent removal	MEASUREMENT PERMIT REQUIREMENT	*****		*****		50 DAILY MX	ug/L	0	Twice Per Month	GRAB
81010 K 0 Percent Removal Solids, suspended percent removal	MEASUREMENT PERMIT REQUIREMENT	*****		*****		>92		0	01/30	CA
81011 K 0 Percent Removal	MEASUREMENT PERMIT REQUIREMENT	*****		*****		85 MO.AV.MN	%	0	Once Per Month	CALCTD
		*****		*****		>98		0	01/30	CA
		*****		*****		85 MO.AV.MN	%		Once Per Month	CALCTD

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	DATE 2008 04 21
Comments and Explanation of any violations (Reference all attachments here) QUANTITIES OR CONCENTRATIONS OF RADIOACTIVITY IN EFFLUENT ARE SUBJECT TO REQUIREMENTS OF THE USDOE INCL BUT NOT LIMITED TO USDOE ORDER 5400.5. APPROX 15% OF STP DISCHARGE CAN BE TO GW VIA EXFILTR FROM SFBS. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS, AND REQUIREMENTS.		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 

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

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

NY0005835	002M
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD	
FROM	TO
YEAR MO DAY	YEAR MO DAY
08 03 01	08 03 31

No Discharge

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	6.8		6.8	*****	7.4		0	04/30	GR
00400 1 0 Effluent Gross Oil & grease	*****		Req. Mon. MINIMUM	*****	9 MAXIMUM	SU	0	Once Per Month	GFAB
00556 1 0 Effluent Gross Flow, in conduit or thru treatment plant	*****		*****	*****	1.5		0	01/30	GR
50050 1 0 Effluent Gross	0.28	Mgal/d	*****	*****	15 DAILY MAX	mg/L	0	Once Per Month	GFAB
	*****		*****	*****	*****		0	04/30	RC
	*****		*****	*****	*****		0	Once Per Month	RCORDR

NAME/TITLE 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 04 21
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.		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>Michael Holland</i>
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		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

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

NY0005835	005M
PERMIT NUMBER	DISCHARGE NUMBER
MONITORING PERIOD	
FROM	TO
YEAR MO DAY	YEAR MO DAY
08 03 01	08 03 31

No Discharge

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	UNITS	VALUE	UNITS			
pH	MEASUREMENT	*****		7.2		*****		0	04/30	GR
00400 1 0 Effluent Gross Oil & grease	PERMIT REQUIREMENT	*****		Req. Mon. MINIMUM		*****	SU	0	Once Per Month	GRAB
00556 1 0 Effluent Gross Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	*****		*****		*****		0	01/30	GR
	PERMIT REQUIREMENT	*****		*****		*****	15 DAILY:MX	0	Once Per Month	GRAB
50050 1 0 Effluent Gross	SAMPLE MEASUREMENT	0.49		*****		*****		0	04/30	RC
	PERMIT REQUIREMENT	*****	Mgal/d	*****		*****		0	Once Per Month	RCORDR

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed	DATE	
	2008 04 24	YEAR MO DAY
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>MA Goode</i>		TELEPHONE 837-344-4549
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) 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

NY0005895	007M
PERMIT NUMBER	DISCHARGE NUMBER
MONITORING PERIOD	
FROM	TO
YEAR MO DAY	YEAR MO DAY
08 03 01	08 03 31

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

No Discharge

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	UNITS	VALUE	UNITS			
Flow rate	*****		*****		*****		0	20/30	IN
00056 1 0 Effluent Gross	*****	160000	*****		*****		0	Once Per Month	INSTAN
pH	*****	Req. Mon. DAILY/MX	*****	gal/d	*****		0	01/30	GR
00400 1 0 Effluent Gross	*****	*****	7.3		*****	9	0	Once Per Month	GRAB
		Req. Mon. MINIMUM	*****		*****	MAXIMUM			
						SU			

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>Michael Holland</i>	DATE
			2008 04 21 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 631-344-6549	

**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)
 STORMWTR RUNOFF WAREHOUSE (HW)
 External Outfall

NY0005635	008M
PERMIT NUMBER	DISCHARGE NUMBER
MONITORING PERIOD	
FROM	TO
YEAR MO DAY	YEAR MO DAY
08 03 01	08 03 31

No Discharge

PARAMETER	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	VALUE	UNITS			
Flow rate	SEE NOTE #2	*****	286000	*****	*****	*****	0	01/30	IN
Effluent Gross	PERMIT REQUIREMENT	*****	Req. Mon. DAILY MX	*****	*****	*****		Once Per Month	INSTAN
pH	SAMPLE MEASUREMENT	*****	*****	6.9	*****	6.9	0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	*****	*****	Req. Mon. MINIMUM	*****	8.5 MAXIMUM		Once Per Month	GRAB
Oil & grease	SAMPLE MEASUREMENT	*****	*****	*****	*****	2.7	0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	*****	15 DAILY MX		Once Per Month	GRAB
1, 1 - Dichloroethylene	SAMPLE MEASUREMENT	*****	*****	*****	*****	<1	0	01/30	GR
34501 1 0	PERMIT REQUIREMENT	*****	*****	*****	*****	5 DAILY MX		Once Per Month	GRAB
Effluent Gross	SAMPLE MEASUREMENT	*****	*****	*****	*****	<1	0	01/30	GR
1, 1 - Trichloroethane	PERMIT REQUIREMENT	*****	*****	*****	*****	5 DAILY MX		Once Per Month	GRAB
34506 1 0	SAMPLE MEASUREMENT	*****	*****	*****	*****	<1	0	01/30	GR
Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	*****	5 DAILY MX		Once Per Month	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	DATE
George A. Goode	2008 04 21
Division Manager	YEAR MO DAY
Environmental & Waste Management Services Division	TELEPHONE
Typed or Printed	631-344-4549
Comments and Explanation of any violations (Reference all attachments here)	
PARAMETERS EXCEPT FOR FLOW TO BE SAMPLED MONTHLY DURING A STORM EVENT. (IF NO DISCHARGE, ENTER AN "X" IN THE "NO DISCHARGE" BOX AT THE UPPER RIGHT.)	
SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS, AND REQUIREMENTS	
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	
<i>MA Goode</i>	

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

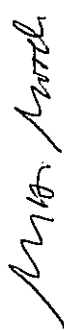
PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)
 NAME BROOKHAVEN NATIONAL LABORATORY
 ADDRESS 53 BELL AVENUE, BLDG 464
 UPTON, NY 11973
 FACILITY BROOKHAVEN NATIONAL LABORATORY
 LOCATION 53 BELL AVENUE, BLDG 464
 UPTON, NY 11973
 ATTN: MICHAEL HOLLAND, OFFICE MGR

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

NY0005835	06AM
PERMIT NUMBER	DISCHARGE NUMBER
MONITORING PERIOD	
FROM	TO
YEAR MO DAY	YEAR MO DAY
08 03 01	08 03 31

No Discharge

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	*****		7.4	*****	7.9		0	04/30	GR
00400 1 0 Effluent Gross Oil & grease	*****		Req. Mon. MINIMUM	*****	9 MAXIMUM	SU		Once Per Month	GRAB
00556 1 0 Effluent Gross	*****		*****	*****	2.8		0	01/30	GR
Flow, in conduit or thru treatment plant	0.16		*****	*****	15 DAILY MX	mg/L		Once Per Month	GRAB
50050 1 0 Effluent Gross	*****		*****	*****	*****		0	04/30	RC
	Req. Mon. DAILY AV	Mgal/d	*****	*****	*****			Once Per Month	RCODR

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 04 21
Comments and Explanation of any violations (Reference all attachments here) SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS, AND REQUIREMENTS.		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 

**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

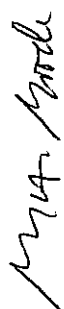
NY005835	06BM
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM		TO			
YEAR	MO	DAY	YEAR	MO	DAY
08	03	01	08	03	31

No Discharge

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM			
pH	*****	*****		7.4	*****	8.0	0	04/30	GR
00400 1 0 Effluent Gross Oil & grease	*****	*****		Req. Mon. MINIMUM	*****	9 MAXIMUM		Once Per Month	GRAB
00556 1 0 Effluent Gross Flow, in conduit or thru treatment plant	*****	*****		*****	*****	2.6	0	01/30	GR
50050 1 0 Effluent Gross	0.009	*****		*****	*****	15 DAILY MX		Once Per Month	GRAB
	Req. Mon. DAILY AV	*****	Mgal/d	*****	*****	*****	0	04/30	RC
	*****	*****		*****	*****	*****		Once Per Month	RCORDR

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed	DATE	
	YEAR 2008	MO DAY 04 21
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 		TELEPHONE 831-344-4549
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) 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

NY005835	001Q
PERMIT NUMBER	DISCHARGE NUMBER
MONITORING PERIOD	
FROM	TO
YEAR MO DAY	YEAR MO DAY
08 01 01	08 03 31

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	*****		*****	*****	*****		03/90	GR	
39516 1 0 Effluent Gross	*****		*****	*****	*****		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 04 21
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.		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>Michael Holland</i>

**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)
 AGS NON-C COOLG, PRECP ETC (HN)
 External Outfall

NY0005835 PERMIT NUMBER
 002Q DISCHARGE NUMBER

MONITORING PERIOD
 FROM YEAR MO DAY TO YEAR MO DAY
 08 01 01 08 03 31

No Discharge

PARAMETER	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	VALUE	UNITS	VALUE			
Aluminum, total (as Al)	SAMPLE MEASUREMENT PERMIT REQUIREMENT	*****		*****		<0.07		0	01/90	GR
01105 1 0 Effluent Gross	SAMPLE MEASUREMENT PERMIT REQUIREMENT	*****		*****		DAILY MX ²	mg/L	0	Quarterly	GRAB
Dichlorobromomethane	SAMPLE MEASUREMENT PERMIT REQUIREMENT	*****		*****		1.7		0	01/90	GR
32101 1 0 Effluent Gross	SAMPLE MEASUREMENT PERMIT REQUIREMENT	*****		*****		DAILY MX ⁵⁰	ug/L	0	Quarterly	GRAB
Chloroform	SAMPLE MEASUREMENT PERMIT REQUIREMENT	*****		*****		1.6		0	01/90	GR
32106 1 0 Effluent Gross	SAMPLE MEASUREMENT PERMIT REQUIREMENT	*****		*****		DAILY MX ⁷	ug/L	0	Quarterly	GRAB
1, 1, 1 - Trichloroethane	SAMPLE MEASUREMENT PERMIT REQUIREMENT	*****		*****		<1		0	01/90	GR
34506 1 0 Effluent Gross	SAMPLE MEASUREMENT PERMIT REQUIREMENT	*****		*****		DAILY MX ⁵	ug/L	0	Quarterly	GRAB
1 - Hydroxyethylidene	SAMPLE MEASUREMENT PERMIT REQUIREMENT	*****		*****		<0.05		0	01/90	GR
85812 1 0 Effluent Gross	SAMPLE MEASUREMENT PERMIT REQUIREMENT	*****		*****		DAILY MX ^{0.5}	mg/L	0	Quarterly	GRAB
Tolyltriazole	SAMPLE MEASUREMENT PERMIT REQUIREMENT	*****		*****		<0.005		0	01/90	GR
85813 1 0 Effluent Gross	SAMPLE MEASUREMENT PERMIT REQUIREMENT	*****		*****		DAILY MX ^{0.2}	mg/L	0	Quarterly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 	DATE	2008	04	21
		YEAR	MO	DAY	TELEPHONE 631-344-4648

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)
 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
MONITORING PERIOD	
FROM	TO
YEAR MO DAY	YEAR MO DAY
08 01 01	08 03 31

DMR MAILING ZIP CODE: 11973
 MAJOR (SUBR 01)
 NSLS COOLG TOWR BLOWDN ETC (HS)
 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				
Copper, total (as Cu)	01042 1 0	*****	*****	*****	<0.004		0	01/90	GR	
Effluent Gross	1 - Hydroxyethylidene	*****	*****	*****	DAILY MX	mg/L	0	Quarterly	GRAB	
Effluent Gross	Tolyltriazole	*****	*****	*****	< 0.05		0	01/90	GR	
Effluent Gross		*****	*****	*****	0.5 DAILY MX	mg/L	0	Quarterly	GRAB	
Effluent Gross		*****	*****	*****	< 0.005		0	01/90	GR	
Effluent Gross		*****	*****	*****	0.2 DAILY MX	mg/L	0	Quarterly	GRAB	

NAME/TITLE 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 04 21
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

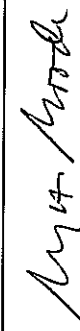
NY0005835	008Q
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM		TO			
YEAR	MO	DAY	YEAR	MO	DAY
08	01	01	08	03	31

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)	*****		*****	*****	1.4		0	01/90	GR
01106 1 0 Effluent Gross	*****		*****	*****	2 DAILY MX			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 04 21 YEAR MO DAY
	Comments and Explanation of any violations (Reference all attachments here)		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 

**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 CENTRAL STM (H)
 External Outfall

NY0005895	0100
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD					
FROM	TO				
YEAR	MO	DAY	YEAR	MO	DAY
08	01	01	08	03	31

No Discharge

PARAMETER	SAMPLE MEASUREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	VALUE	UNITS			
Copper, dissolved (as Cu)	01040 1 0	*****	*****	*****	<0.003		0	01/90	GR
Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	DAILY MX	mg/L		Quarterly	GRAB
Lead, dissolved (as Pb)	01049 1 0	*****	*****	*****	<0.0005		0	01/90	GR
Effluent Gross	PERMIT REQUIREMENT	*****	*****	*****	DAILY MX	mg/L		Quarterly	GRAB
Vanadium, dissolved (as V)	01085 1 0	*****	*****	*****	0.003		0	01/90	GR
SEE NOTE #1	PERMIT REQUIREMENT	*****	*****	*****	REPORT DAILY MX	mg/L		Quarterly	GRAB
Effluent Gross	01106 1 0	*****	*****	*****	<0.07		0	01/90	GR
Aluminum, dissolved (as Al)	PERMIT REQUIREMENT	*****	*****	*****	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 fines and imprisonment for knowing violations.	DATE 2008 04 21
Comments and Explanation of any violations (Reference all attachments here)		TELEPHONE 631-344-4649

**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 (HTT)
 External Outfall

NY0005835	06AQ
PERMIT NUMBER	DISCHARGE NUMBER
MONITORING PERIOD	
FROM	TO
YEAR MO DAY	YEAR MO DAY
08 01 01	08 03 31

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
85812 1 0 Effluent Gross Tolylthiazole	SAMPLE MEASUREMENT REQUIREMENT	*****		*****		0.5 DAILY/MX	mg/L	0	Quarterly	GRAB
85813 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.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>M.A. Goode</i>	DATE
			YEAR MO DAY 2008 04 21
Comments and Explanation of any violations (Reference all attachments here)		TELEPHONE 631-344-4549	

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


NY0005635	06BQ
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD	
FROM	TO
YEAR MO DAY	YEAR MO DAY
08 01 01	08 03 31

No Discharge

PARAMETER	SAMPLE MEASUREMENT REQUIREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	VALUE	UNITS	UNITS			
1 - Hydroxyethylidene		*****		*****	<0.05			0	01/90	GR
85812 1 0 Effluent Gross		*****		*****	0.5 DAILY.MX	mg/L		0	Quarterly	GRAB
Tolyltriazole		*****		*****	< 0.005			0	01/90	GR
85813 1 0 Effluent Gross		*****		*****	0.2 DAILY.MX	mg/L		0	Quarterly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Gnede 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 04 21 YEAR MO DAY
Comments and Explanation of any violations (Reference all attachments here)		TELEPHONE 631-344-4549	

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

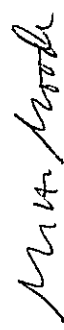
NY0005635	002R
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
08	01	01	08	03	31

No Discharge

PARAMETER	SAMPLE MEASUREMENT REQUIREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	UNITS	VALUE	VALUE	UNITS	VALUE			
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.	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT 	DATE
			YEAR 2008 MO 04 DAY 21
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.		TELEPHONE 631-344-4549	

ATTACHMENT II

BROOKHAVEN NATIONAL LABORATORY

SPDES PERMIT NO. NY0005835

DISCHARGE MONITORING REPORT FOR MARCH 2008

NONCOMPLIANCE REPORT

SECTION 1

New York State Department of Environmental Conservation
Division of Water



Report of Noncompliance Event

To: DEC Water Contact: R. Sorrentino DEC Region: 1

Report Type: 5-Day Permit Violation Order Violation Anticipated Noncompliance Bypass/Overflow

SECTION 2

SPDES #: NY- 0005835 Facility: U.S. Department of Energy/Brookhaven National Laboratory

Date of noncompliance: 3/7/08 Location (Outfall, Treatment Unit, or Pump Station): 001

Description of noncompliance(s) and cause(s): A 24-hour composite sample was collected on March 7, 2008 from Outfall 001 that had a nitrate concentration of 10.6 mg/L, which exceeds BNL's total nitrogen permit limit of 10 mg/L. The Laboratory has been investigating the potential sources of elevated nitrogen concentrations observed at the STP. Lower than normal flow conditions and decreased nutrients in the waste have been identified as the most likely causes to the increased levels of nitrogen in the discharge.

Has event ceased? (Yes) (No) If so, when? 3/7/08 Was event due to plant upset? (Yes) (No) SPDES limits violated? (Yes) (No)

Start date, time of event: _____ (AM) (PM) End date, time of event: _____ (AM) (PM)
Date Time Date Time

Date, time oral notification made to DEC? _____ (AM) (PM) DEC Official contacted: _____
Date Time

Immediate corrective actions: None. Due to the lag time between sample collection, analysis, and receipt of results no immediate actions were possible. However, nitrate levels in the plant are measured frequently and in-house process control sampling and analysis of effluent since March 7, 2008 have been consistently low indicating that this is not a continuous event.

Preventative (long term) corrective actions: To address this issue enzymes continue to be added to the plant to enhance denitrification of the effluent by the biological organisms during treatment. In addition, during the first week of April 2008, BNL initiated a program to increase the amount of nutrients in the waste stream that includes the addition of a small amount of food waste at the head of the STP from BNL's on-site cafeteria. Preliminary data from on-site analysis of the effluent shows that the total nitrogen values have been significantly lower since April 4, 2008. BNL will continue to monitor nitrogen levels at the STP very closely to ensure effluent limits are met in the future.

SECTION 3

Complete this section if event was a bypass:

Bypass amount: _____ Was prior DEC authorization received for this event? (Yes) (No)

DEC Official contacted: _____ Date of DEC approval: _____
Date

Describe event in "Description of noncompliance and cause" area in Section 2. Detail the start and end dates and times in Section 2 also.

SECTION 4

Facility Representative: George A. Goode Title: Division Manager 3/18/08
Date

Phone #: (631) 344-4549 Fax #: (631) 344-7334

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.

X George A. Goode
Signature of Principal Executive Officer or Authorized Agent

ATTACHMENT III

BROOKHAVEN NATIONAL LABORATORY

SPDES PERMIT NO. NY0005835

DISCHARGE MONITORING REPORT FOR MARCH 2008

ANALYTICAL RESULTS FROM H2M LABS

AND GENERAL ENGINEERING LABORATORIES, LLC

FOR REGULATORY COMPLIANCE SAMPLES COLLECTED

3/3/08, 3/5/08, and 3/7/08

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. : 0803068-001

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25506-001

Collected : 3/3/2008 11:00:00 AM
Received : 3/3/2008 2:00:00 PM
Collected By CLIENT
Copies To : Original
CC

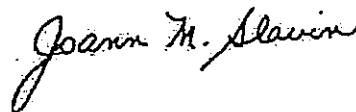
Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Biochemical Oxygen Demand	< 2		1	mg/L	E405.1	03/05/2008 9:06 AM
Nitrogen, Total	9.5		1	mg/L	M4500-N C	03/14/2008
Nitrogen, Ammonia (As N)	< 0.10		1	mg/L	E350.1	03/12/2008 9:13 AM
Nitrite as N	0.01		1	mg/L	E353.2	03/04/2008 12:35 PM
Nitrate as N	9.06		10	mg/L	E353.2	03/12/2008 11:25 AM
Nitrogen, Kjeldahl, Total	0.45		1	mg/L	E351.2	03/14/2008 9:43 AM

*Outfall 001
Sampled 3/3/08
24 hour composite*

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

D.F. = Dilution Factor

Date Reported : 3/19/2008



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. : 0803182-001

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25522-001

Collected : 3/5/2008 11:00:00 AM
Received : 3/5/2008 3:15:00 PM
Collected By CLIENT
Copies To : Original
CC

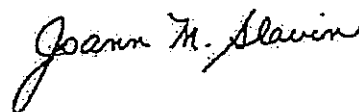
Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Biochemical Oxygen Demand	< 2		1	mg/L	E405.1	03/06/2008 3:09 PM
Nitrogen, Total	9.0		1	mg/L	M4500-N C	03/14/2008
Nitrogen, Ammonia (As N)	0.15		1	mg/L	E350.1	03/12/2008 9:18 AM
Nitrite as N	0.02		1	mg/L	E353.2	03/06/2008 1:15 PM
Nitrate as N	8.31		10	mg/L	E353.2	03/12/2008 11:42 AM
Nitrogen, Kjeldahl, Total	0.71		1	mg/L	E351.2	03/14/2008 9:46 AM

Outfall 001
sampled 3/5/08
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 3/19/2008



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. : 0803285-001

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25539-001

Collected : 3/7/2008 10:10:00 AM
Received : 3/7/2008 2:50:00 PM
Collected By CLIENT
Copies To : Original
CC

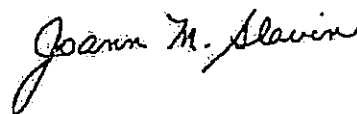
Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Biochemical Oxygen Demand	< 2		1	mg/L	E405.1	03/07/2008 3:41 PM
Nitrogen, Total	10.6		1	mg/L	M4500-N C	03/14/2008
Nitrogen, Ammonia (As N)	< 0.10		1	mg/L	E350.1	03/12/2008 9:21 AM
Nitrite as N	0.02		1	mg/L	E353.2	03/08/2008 11:42 AM
Nitrate as N	9.97		10	mg/L	E353.2	03/12/2008 11:45 AM
Nitrogen, Kjeldahl, Total	0.64		1	mg/L	E351.2	03/14/2008 9:47 AM

Outfall 001
Sampled 3/7/08
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 3/19/2008



Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

Sample Information...

Type : Aqueous

Origin:

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

Lab No. : 0803068-002

Client ID. : 25506-002

Collected : 3/3/2008 1:45:00 PM
Received : 3/3/2008 2:00:00 PM
Collected By CLIENT
Copies To : Original
CC

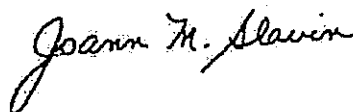
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	< 2		1	MPN	M9221 BC	03/03/2008 4:30 PM
Fecal Coliform	< 2		1	MPN	M9221 BC	03/03/2008 4:30 PM

Outfall 001
sampled 3/3/08
Grab

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

D.F. = Dilution Factor

Date Reported : 3/19/2008



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. : 0803182-002

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25522-002

Collected : 3/5/2008 1:20:00 PM
Received : 3/5/2008 3:15:00 PM
Collected By : CLIENT
Copies To : Original
CC

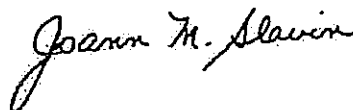
Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Total Coliform	< 2		1	MPN	M9221 BC	03/05/2008 4:30 PM
Fecal Coliform	< 2		1	MPN	M9221 BC	03/05/2008 4:30 PM

Outfall 001
Sampled 3/5/08
Grab

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

D.F. = Dilution Factor

Date Reported : 3/19/2008



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. : 0803285-002

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25539-002

Collected : 3/7/2008 1:15:00 PM
Received : 3/7/2008 2:50:00 PM
Collected By CLIENT
Copies To : Original
CC

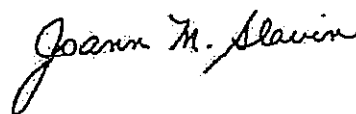
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	< 2		1	MPN	M9221 BC	03/07/2008 3:45 PM
Fecal Coliform	< 2		1	MPN	M9221 BC	03/07/2008 3:45 PM

Outfall 001
sampled 3/7/08
Grab

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

D.F. = Dilution Factor

Date Reported : 3/19/2008



Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

Sample Information...

Type : Aqueous

Origin:

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

Lab No. : 0803068-003

Client ID. : 25506-003

Collected : 3/3/2008 11:30:00 AM
Received : 3/3/2008 2:00:00 PM
Collected By CLIENT
Copies To : Original
CC

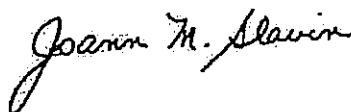
Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Biochemical Oxygen Demand	43		1	mg/L	E405.1	03/05/2008 9:08 AM

STP Influent
Sampled 3/3/08
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 3/19/2008



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. : 0803182-003

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25522-003

Collected : 3/5/2008 11:30:00 AM
Received : 3/5/2008 3:15:00 PM
Collected By CLIENT
Copies To : Original
CC

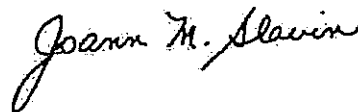
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Biochemical Oxygen Demand	12		1	mg/L	E405.1	03/05/2008 3:10 PM

STP Influent
Sampled 3/5/08
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 3/19/2008



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. : 0803285-003

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25539-003

Collected : 3/7/2008 10:58:00 AM
Received : 3/7/2008 2:50:00 PM
Collected By CLIENT
Copies To : Original
CC

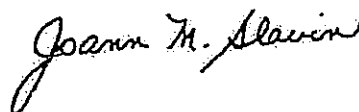
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Biochemical Oxygen Demand	<20		1	mg/L	E405.1	03/07/2008 3:42 PM

STP Influent
Sampled 3/7/08
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 3/19/2008



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. : 0803068-005

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25506-005

Collected : 3/3/2008 11:40:00 AM
Received : 3/3/2008 2:00:00 PM
Collected By CLIENT
Copies To : Original
CC

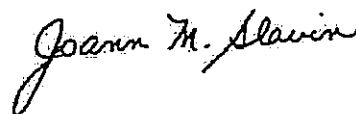
Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Biochemical Oxygen Demand	17		1	mg/L	E405.1	03/05/2008 9:10 AM
Nitrogen, Total	9.5		1	mg/L	M4500-N C	03/14/2008
Nitrogen, Ammonia (As N)	< 0.10		1	mg/L	E350.1	03/12/2008 9:17 AM
Nitrite as N	< 0.01		1	mg/L	E353.2	03/04/2008 12:41 PM
Nitrate as N	7.97		10	mg/L	E353.2	03/12/2008 11:29 AM
Nitrogen, Kjeldahl, Total	1.54		1	mg/L	E351.2	03/14/2008 9:45 AM

Clarifier Effluent
Sampled 3/3/08
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 3/19/2008



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. : 0803182-004

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25522-004

Collected : 3/5/2008 11:35:00 AM
Received : 3/5/2008 3:15:00 PM
Collected By CLIENT
Copies To : Original
CC

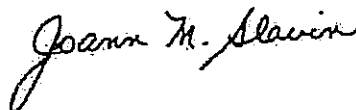
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Biochemical Oxygen Demand	3		1	mg/L	E405.1	03/06/2008 3:11 PM
Nitrogen, Total	10.9		1	mg/L	M4500-N C	03/14/2008
Nitrogen, Ammonia (As N)	< 0.10		1	mg/L	E350.1	03/12/2008 9:19 AM
Nitrite as N	0.03		1	mg/L	E353.2	03/06/2008 1:18 PM
Nitrate as N	9.17		10	mg/L	E353.2	03/12/2008 11:44 AM
Nitrogen, Kjeldahl, Total	1.73		1	mg/L	E351.2	03/14/2008 9:46 AM

Clarifier Effluent
Sampled 3/5/08
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 3/19/2008



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. : 0803285-004

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25539-004

Collected : 3/7/2008 10:42:00 AM
Received : 3/7/2008 2:50:00 PM
Collected By CLIENT
Copies To : Original
CC

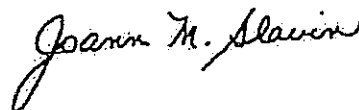
Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Biochemical Oxygen Demand	< 2		1	mg/L	E405.1	03/07/2008 3:43 PM
Nitrogen, Total	12.0		1	mg/L	M4500-N C	03/14/2008
Nitrogen, Ammonia (As N)	< 0.10		1	mg/L	E350.1	03/12/2008 9:22 AM
Nitrite as N	0.03		1	mg/L	E353.2	03/08/2008 11:43 AM
Nitrate as N	10.1		10	mg/L	E353.2	03/12/2008 11:46 AM
Nitrogen, Kjeldahl, Total	1.98		1	mg/L	E351.2	03/14/2008 9:48 AM

Clarifier Effluent
Sampled 3/7/08
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 3/19/2008



Laboratory Manager

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 203946	Date Collected: 03/03/2008 13:45	Matrix: WATER
Lab Sample ID: 203946002	Date Received: 03/04/2008 10:00	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 25505-002	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 734044	Inst: VOA9.I	Dilution: 1
Run Date: 03/08/2008 13:16	Analyst: RXY1	Purge Vol: 5 mL
Prep Date: 03/08/2008 13:16		
Data File: 9a611.d	Column: RTX-Volatiles	Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
74-87-3	Chloromethane	U	1.00	ug/L	0.500	1.00
75-01-4	Vinyl chloride	U	1.00	ug/L	0.500	1.00
74-83-9	Bromomethane	U	1.00	ug/L	0.500	1.00
75-00-3	Chloroethane	U	1.00	ug/L	0.500	1.00
75-69-4	Trichlorofluoromethane	U	1.00	ug/L	0.310	1.00
67-64-1	Acetone	J	1.94	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		2.20	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 3/3/08

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 204115	Date Collected: 03/05/2008 13:20	Matrix: WATER
Lab Sample ID: 204115002	Date Received: 03/06/2008 09:00	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 25521-002	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 734044	Inst: VOA9.I	Dilution: 1
Run Date: 03/08/2008 14:40	Analyst: RXY1	Purge Vol: 5 mL
Prep Date: 03/08/2008 14:40		
Data File: 9a614.d	Column: RTX-Volatiles	Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
74-87-3	Chloromethane	U	1.00	ug/L	0.500	1.00
75-01-4	Vinyl chloride	U	1.00	ug/L	0.500	1.00
74-83-9	Bromomethane	U	1.00	ug/L	0.500	1.00
75-00-3	Chloroethane	U	1.00	ug/L	0.500	1.00
75-69-4	Trichlorofluoromethane	U	1.00	ug/L	0.310	1.00
67-64-1	Acetone	J	1.57	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 3/5/08
Grab

**Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 204340	Date Collected: 03/07/2008 13:15	Matrix: WATER
Lab Sample ID: 204340002	Date Received: 03/10/2008 08:25	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 25538-002	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 735129	Inst: VOA2.I	Dilution: 1
Run Date: 03/12/2008 15:39	Analyst: CDS1	Purge Vol: 5 mL
Prep Date: 03/12/2008 15:39		
Data File: 2c318.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

out fall 001
sampled 3/7/08
Grab

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 203946	Date Collected: 03/03/2008 11:00	Matrix: WATER
Lab Sample ID: 203946001	Date Received: 03/04/2008 10:00	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 25505-001	Method: SW846 8270C	SOP Ref: GL-OA-E-009
Batch ID: 733968	Inst: MSD4.I	Dilution: 1
Run Date: 03/10/2008 23:42	Analyst: JMB3	Inj. Vol: .5 uL
Prep Date: 03/10/2008 17:41	Aliquot: 490 mL	Final Volume: .5 mL
Data File: s4c1032.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

Outfall 001
Sampled 3/3/08
24 hour composite

Semi-Volatile
Certificate of Analysis
Sample Summary

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SDG Number: 203946	Date Collected: 03/03/2008 11:00	Matrix: WATER
Lab Sample ID: 203946001	Date Received: 03/04/2008 10:00	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 25505-001	Method: SW846 8270C	SOP Ref: GL-OA-E-009
Batch ID: 733968	Inst: MSD4.I	Dilution: 1
Run Date: 03/10/2008 23:42	Analyst: JMB3	Inj. Vol: .5 uL
Prep Date: 03/10/2008 17:41	Aliquot: 490 mL	Final Volume: .5 mL
Data File: s4c1032.d	Column: J&W DB-5MS	Level: LOW

CAS No.	Parname	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

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 204115	Date Collected: 03/05/2008 11:00	Matrix: WATER
Lab Sample ID: 204115001	Date Received: 03/06/2008 09:00	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 25521-001	Method: SW846 8270C	SOP Ref: GL-OA-E-009
Batch ID: 733968	Inst: MSD4.I	Dilution: 1
Run Date: 03/11/2008 00:40	Analyst: JMB3	Inj. Vol: .5 uL
Prep Date: 03/10/2008 17:41	Aliquot: 1010 mL	Final Volume: 1 mL
Data File: s4e1035.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	9.90	ug/L	1.98	9.90	10.0
108-95-2	Phenol	U	9.90	ug/L	0.990	9.90	10.0
95-57-8	2-Chlorophenol	U	9.90	ug/L	1.98	9.90	10.0
106-46-7	1,4-Dichlorobenzene	U	9.90	ug/L	1.98	9.90	10.0
621-64-7	N-Nitrosodipropylamine	U	9.90	ug/L	1.98	9.90	10.0
59-50-7	4-Chloro-3-methylphenol	U	9.90	ug/L	1.98	9.90	10.0
83-32-9	Acenaphthene	U	0.990	ug/L	0.307	0.990	10.0
121-14-2	2,4-Dinitrotoluene	U	9.90	ug/L	1.98	9.90	10.0
100-02-7	4-Nitrophenol	U	9.90	ug/L	1.98	9.90	50.0
87-86-5	Pentachlorophenol	U	9.90	ug/L	1.98	9.90	50.0
129-00-0	Pyrene	U	0.990	ug/L	0.297	0.990	10.0
111-44-4	bis(2-Chloroethyl) ether	U	9.90	ug/L	1.98	9.90	10.0
541-73-1	1,3-Dichlorobenzene	U	9.90	ug/L	1.98	9.90	10.0
95-50-1	1,2-Dichlorobenzene	U	9.90	ug/L	1.98	9.90	10.0
108-60-1	bis(2-Chloroisopropyl)ether	U	9.90	ug/L	1.98	9.90	10.0
67-72-1	Hexachloroethane	U	9.90	ug/L	1.98	9.90	10.0
98-95-3	Nitrobenzene	U	9.90	ug/L	2.97	9.90	10.0
78-59-1	Isophorone	U	9.90	ug/L	1.98	9.90	10.0
88-75-5	2-Nitrophenol	U	9.90	ug/L	1.98	9.90	10.0
105-67-9	2,4-Dimethylphenol	U	9.90	ug/L	1.98	9.90	10.0
111-91-1	bis(2-Chloroethoxy)methane	U	9.90	ug/L	2.97	9.90	10.0
120-83-2	2,4-Dichlorophenol	U	9.90	ug/L	1.98	9.90	10.0
91-20-3	Naphthalene	U	0.990	ug/L	0.297	0.990	10.0
87-68-3	Hexachlorobutadiene	U	9.90	ug/L	1.98	9.90	10.0
77-47-4	Hexachlorocyclopentadiene	U	9.90	ug/L	1.98	9.90	10.0
88-06-2	2,4,6-Trichlorophenol	U	9.90	ug/L	1.98	9.90	10.0
91-58-7	2-Chloronaphthalene	U	0.990	ug/L	0.347	0.990	10.0
131-11-3	Dimethylphthalate	U	9.90	ug/L	1.98	9.90	10.0
606-20-2	2,6-Dinitrotoluene	U	9.90	ug/L	1.98	9.90	10.0
208-96-8	Acenaphthylene	U	0.990	ug/L	0.198	0.990	10.0
51-28-5	2,4-Dinitrophenol	U	19.8	ug/L	9.90	19.8	50.0
84-66-2	Diethylphthalate	U	9.90	ug/L	1.98	9.90	10.0
86-73-7	Fluorene	U	0.990	ug/L	0.198	0.990	10.0
7005-72-3	4-Chlorophenylphenylether	U	9.90	ug/L	1.98	9.90	10.0
534-52-1	2-Methyl-4,6-dinitrophenol	U	9.90	ug/L	2.97	9.90	50.0
122-39-4	Diphenylamine	U	9.90	ug/L	2.97	9.90	10.0
101-55-3	4-Bromophenylphenylether	U	9.90	ug/L	1.98	9.90	10.0
118-74-1	Hexachlorobenzene	U	9.90	ug/L	1.98	9.90	10.0

Outfall 001
Sampled 3/5/08
24 hr. composite

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 204115	Date Collected: 03/05/2008 11:00	Matrix: WATER
Lab Sample ID: 204115001	Date Received: 03/06/2008 09:00	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 25521-001	Method: SW846 8270C	SOP Ref: GL-OA-E-009
Batch ID: 733968	Inst: MSD4.I	Dilution: 1
Run Date: 03/11/2008 00:40	Analyst: JMB3	Inj. Vol: .5 uL
Prep Date: 03/10/2008 17:41	Aliquot: 1010 mL	Final Volume: 1 mL
Data File: s4c1035.d	Column: J&W DB-5MS	Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	RDL
85-01-8	Phenanthrene	U	0.990	ug/L	0.198	0.990	10.0
120-12-7	Anthracene	U	0.990	ug/L	0.198	0.990	10.0
84-74-2	Di-n-butylphthalate	U	9.90	ug/L	1.98	9.90	10.0
206-44-0	Fluoranthene	U	0.990	ug/L	0.198	0.990	10.0
85-68-7	Butylbenzylphthalate	U	9.90	ug/L	1.98	9.90	10.0
56-55-3	Benzo(a)anthracene	U	0.990	ug/L	0.198	0.990	10.0
91-94-1	3,3'-Dichlorobenzidine	U	9.90	ug/L	0.990	9.90	40.0
218-01-9	Chrysene	U	0.990	ug/L	0.198	0.990	10.0
117-81-7	bis(2-Ethylhexyl)phthalate	U	9.90	ug/L	1.98	9.90	10.0
117-84-0	Di-n-octylphthalate	U	9.90	ug/L	2.97	9.90	10.0
205-99-2	Benzo(b)fluoranthene	U	0.990	ug/L	0.198	0.990	10.0
207-08-9	Benzo(k)fluoranthene	U	0.990	ug/L	0.198	0.990	10.0
50-32-8	Benzo(a)pyrene	U	0.990	ug/L	0.198	0.990	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.990	ug/L	0.198	0.990	10.0
53-70-3	Dibenzo(a,h)anthracene	U	0.990	ug/L	0.198	0.990	10.0
191-24-2	Benzo(ghi)perylene	U	0.990	ug/L	0.198	0.990	10.0
120-82-1	1,2,4-Trichlorobenzene	U	9.90	ug/L	1.98	9.90	10.0

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 204340	Date Collected: 03/07/2008 10:10	Matrix: WATER
Lab Sample ID: 204340001	Date Received: 03/10/2008 08:25	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 25538-001	Method: SW846 8270C	SOP Ref: GL-OA-E-009
Batch ID: 735739	Inst: MSD4.I	Dilution: 1
Run Date: 03/18/2008 16:48	Analyst: JMB3	Inj. Vol: .5 uL
Prep Date: 03/14/2008 15:23	Aliquot: 1000 mL	Final Volume: 1 mL
Data File: s4c1818.d	Column: J&W DB-SMS	Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	SDL
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

Outfall 001
Sampled 3/7/08
24 hour composite

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 204340	Date Collected: 03/07/2008 10:10	Matrix: WATER
Lab Sample ID: 204340001	Date Received: 03/10/2008 08:25	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 25538-001	Method: SW846 8270C	SOP Ref: GL-OA-E-009
Batch ID: 735739	Inst: MSD4.I	Dilution: 1
Run Date: 03/18/2008 16:48	Analyst: JMB3	Inj. Vol: .5 uL
Prep Date: 03/14/2008 15:23	Aliquot: 1000 mL	Final Volume: 1 mL
Data File: s4c1818.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	U	10.0	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

**Pesticide
Certificate of Analysis
Sample Summary**

SDG Number: 203946	Date Collected: 03/03/2008 13:45	Matrix: WATER
Lab Sample ID: 203946002	Date Received: 03/04/2008 10:00	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 25505-002	Method: EPA 608	SOP Ref: GL-OA-E-041
Batch ID: 734153	Inst: ECD5A.I	Dilution: 1
Run Date: 03/11/2008 11:31	Analyst: HXJ1	Inj. Vol: 1 uL
Prep Date: 03/10/2008 21:35	Aliquot: 930 mL	Final Volume: .5 mL
Data File: 017f1701.d	Column: 1 CLP-1	Level: LOW
017b1701.d	2 CLP-2	

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	RDL	Column
319-84-6	alpha-BHC	U	0.00215	ug/L	0.000538	0.00215		1
58-89-9	gamma-BHC (Lindane)	U	0.00215	ug/L	0.000538	0.00215		1
319-85-7	beta-BHC	U	0.00215	ug/L	0.000909	0.00215		1
319-86-8	delta-BHC	U	0.00215	ug/L	0.000538	0.00215		1
76-44-8	Heptachlor	U	0.00215	ug/L	0.000704	0.00215		1
309-00-2	Aldrin	U	0.00215	ug/L	0.000538	0.00215		1
1024-57-3	Heptachlor epoxide	U	0.00215	ug/L	0.000538	0.00215		1
959-98-8	Endosulfan I	U	0.00215	ug/L	0.000538	0.00215		1
72-55-9	4,4'-DDE	U	0.0043	ug/L	0.000538	0.0043		1
60-57-1	Dieldrin	U	0.0043	ug/L	0.000538	0.0043		1
72-20-8	Endrin	U	0.0043	ug/L	0.000538	0.0043		1
72-54-8	4,4'-DDD	U	0.0043	ug/L	0.000538	0.0043		1
33213-65-9	Endosulfan II	U	0.0043	ug/L	0.000538	0.0043		1
7421-93-4	Endrin aldehyde	U	0.0043	ug/L	0.000538	0.0043		1
50-29-3	4,4'-DDT	U	0.0043	ug/L	0.00108	0.0043		1
1031-07-8	Endosulfan sulfate	U	0.0043	ug/L	0.000538	0.0043		1
57-74-9	Chlordane (tech.)	U	0.0269	ug/L	0.00823	0.0269		1
8001-35-2	Toxaphene	U	0.0538	ug/L	0.0161	0.0538		1
12674-11-2	Aroclor-1016	U	0.0538	ug/L	0.0179	0.0538	0.065	1
11104-28-2	Aroclor-1221	U	0.0538	ug/L	0.0179	0.0538	0.065	1
11141-16-5	Aroclor-1232	U	0.0538	ug/L	0.0179	0.0538	0.065	1
53469-21-9	Aroclor-1242	U	0.0538	ug/L	0.0179	0.0538	0.065	1
12672-29-6	Aroclor-1248	U	0.0538	ug/L	0.0179	0.0538	0.065	1
11097-69-1	Aroclor-1254	U	0.0538	ug/L	0.0179	0.0538	0.065	1
11096-82-5	Aroclor-1260	U	0.0538	ug/L	0.0179	0.0538	0.065	1

Outfall 001
Sampled 3/3/08

Pesticide
Certificate of Analysis
Sample Summary

SDG Number: 204115	Date Collected: 03/05/2008 13:20	Matrix: WATER
Lab Sample ID: 204115002	Date Received: 03/06/2008 09:00	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 25521-002	Method: EPA 608	SOP Ref: GL-OA-E-041
Batch ID: 734153	Inst: ECD5A.I	Dilution: 1
Run Date: 03/11/2008 11:55	Analyst: HXJI	Inj. Vol: 1 uL
Prep Date: 03/10/2008 21:35	Aliquot: 1000 mL	Final Volume: .5 mL
Data File: 019f1901.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 3/5/08
Grabs

**Pesticide
Certificate of Analysis
Sample Summary**

SDG Number: 204340	Date Collected: 03/07/2008 13:15	Matrix: WATER
Lab Sample ID: 204340002	Date Received: 03/10/2008 08:25	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 25538-002	Method: EPA 608	SOP Ref: GL-OA-E-041
Batch ID: 735764	Inst: ECD5A.I	Dilution: 1
Run Date: 03/17/2008 22:52	Analyst: HXJI	Inj. Vol: 1 uL
Prep Date: 03/14/2008 17:29	Aliquot: 1020 mL	Final Volume: .5 mL
Data File: 033f3301.d	Column: 1 CLP-1	Level: LOW
033b3301.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 3/7/08
 Grab

**Herbicide
Certificate of Analysis
Sample Summary**

SDG Number: 203946	Date Collected: 03/03/2008 11:00	Matrix: WATER
Lab Sample ID: 203946001	Date Received: 03/04/2008 10:00	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 25505-001	Method: SW846 8151A	SOP Ref: GL-OA-E-011
Batch ID: 733986	Inst: ECD6A.I	Dilution: 1
Run Date: 03/19/2008 20:27	Analyst: AMY	Inj. Vol: 1 uL
Prep Date: 03/10/2008 15:28	Aliquot: 920 mL	Final Volume: 10 mL
Data File: 023f2301.d	Column: 1 DB-XLB	Level: LOW
	2 DB-17MS	

CAS No.	Paramname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	Column
94-75-7	2,4-D	U	0.272	ug/L	0.0902	0.272	1
93-72-1	2,4,5-TP	U	0.272	ug/L	0.0902	0.272	1
93-76-5	2,4,5-T	U	0.272	ug/L	0.0902	0.272	1

outfall 001
 Sampled 3/3/08
 24 hour composite

**Herbicide
Certificate of Analysis
Sample Summary**

SDG Number: 204115	Date Collected: 03/05/2008 11:00	Matrix: WATER
Lab Sample ID: 204115001	Date Received: 03/06/2008 09:00	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 25521-001	Method: SW846 8151A	SOP Ref: GL-OA-E-011
Batch ID: 733986	Inst: ECD6A.I	Dilution: 1
Run Date: 03/19/2008 21:46	Analyst: AMY	Inj. Vol: 1 uL
Prep Date: 03/10/2008 15:28	Aliquot: 1020 mL	Final Volume: 10 mL
Data File: 026f2601.d	Column: 1 DB-XLB	Level: LOW
	2 DB-17MS	

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	Column
94-75-7	2,4-D	U	0.245	ug/L	0.0814	0.245	1
93-72-1	2,4,5-TP	U	0.245	ug/L	0.0814	0.245	1
93-76-5	2,4,5-T	U	0.245	ug/L	0.0814	0.245	1

Outfall 001
Sampled 3/5/08
24 hour composite

**Herbicide
Certificate of Analysis
Sample Summary**

SDG Number: 204340	Date Collected: 03/07/2008 10:10	Matrix: WATER
Lab Sample ID: 204340001	Date Received: 03/10/2008 08:25	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 25538-001	Method: SW846 8151A	SOP Ref: GL-OA-E-011
Batch ID: 735756	Inst: ECD6A.I	Dilution: 1
Run Date: 03/19/2008 17:50	Analyst: AMY	Inj. Vol: 1 uL
Prep Date: 03/14/2008 15:14	Aliquot: 1000 mL	Final Volume: 10 mL
Data File: 017f1701.d	Column: 1 DB-XLB	Level: LOW
	2 DB-17MS	

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	Column
94-75-7	2,4-D	U	0.250	ug/L	0.083	0.250	1
93-72-1	2,4,5-TP	U	0.250	ug/L	0.083	0.250	1
93-76-5	2,4,5-T	U	0.250	ug/L	0.083	0.250	1

Outfall 001
Sampled 3/7/08
24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 203946

METHOD TYPE: SW846

SAMPLE ID: 203946001

CLIENT ID: 25505-001

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 04-MAR-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	031908-3
7440-36-0	Antimony	3	ug/L	U		P	3	1	OPTIMA3	031908-3
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS5	080317-2
7440-39-3	Barium	21.2	ug/L	B		P	1	1	OPTIMA3	031908-3
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA3	031908-3
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA3	031908-3
7440-70-2	Calcium	15000	ug/L			P	30	1	OPTIMA3	031908-3
7440-47-3	Chromium	2	ug/L	U		P	2	1	OPTIMA3	031908-3
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA3	031908-3
7440-50-8	Copper	59.7	ug/L			P	3	1	OPTIMA3	031908-3
7439-89-6	Iron	101	ug/L			P	25	1	OPTIMA3	031908-3
7439-92-1	Lead	0.590	ug/L	B		MS	0.5	1	ICPMS5	080317-2
7439-95-4	Magnesium	3890	ug/L	B		P	85	1	OPTIMA3	031908-3
7439-96-5	Manganese	6.8	ug/L	B		P	2	1	OPTIMA3	031908-3
7439-97-6	Mercury	0.036	ug/L	B		AV	0.03	1	MER536	032508W2-1
7440-02-0	Nickel	7.3	ug/L	B		P	1	1	OPTIMA3	031908-3
7440-09-7	Potassium	6600	ug/L			P	50	1	OPTIMA3	031908-3
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS5	080317-2
7440-22-4	Silver	1	ug/L	U		P	1	1	OPTIMA3	031908-3
7440-23-5	Sodium	54400	ug/L			P	45	1	OPTIMA3	031908-3
7440-28-0	Thallium	0.470	ug/L	B		MS	0.3	1	ICPMS5	080317-2
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA3	031908-3
7440-62-2	Vanadium	1.6	ug/L	B		P	1	1	OPTIMA3	031908-3
7440-66-6	Zinc	87.6	ug/L			P	2	1	OPTIMA3	031908-3

Outfall 001
Sampled 3/3/08
24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 204115

METHOD TYPE: SW846

SAMPLE ID: 204115001

CLIENT ID: 25521-001

CONTRACT: BRKL00504

MATRIX:W

DATE RECEIVED 06-MAR-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	031008-9
7440-36-0	Antimony	7.9	ug/L	B		P	3	1	OPTIMA3	031008-9
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS6	080318-8
7440-39-3	Barium	19.2	ug/L	B		P	1	1	OPTIMA3	031008-9
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA3	031008-9
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA3	031008-9
7440-70-2	Calcium	15900	ug/L			P	30	1	OPTIMA3	031008-9
7440-47-3	Chromium	2	ug/L	U		P	2	1	OPTIMA3	031008-9
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA3	031008-9
7440-50-8	Copper	62.7	ug/L			P	3	1	OPTIMA3	031008-9
7439-89-6	Iron	198	ug/L			P	25	1	OPTIMA3	031108-10
7439-92-1	Lead	2	ug/L	B		MS	0.5	1	ICPMS6	080317-2
7439-95-4	Magnesium	4340	ug/L	B		P	85	1	OPTIMA3	031008-9
7439-96-5	Manganese	7.2	ug/L	B		P	2	1	OPTIMA3	031008-9
7439-97-6	Mercury	0.030	ug/L	U		AV	0.03	1	MER536	032608W1-1
7440-02-0	Nickel	10.7	ug/L	B		P	1	1	OPTIMA3	031008-9
7440-09-7	Potassium	5040	ug/L		E	P	50	1	OPTIMA3	031108-10
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS6	080317-2
7440-22-4	Silver	1.9	ug/L	B		P	1	1	OPTIMA3	031008-9
7440-23-5	Sodium	44000	ug/L			P	45	1	OPTIMA3	031108-10
7440-28-0	Thallium	0.830	ug/L	B		MS	0.3	1	ICPMS6	080318-3
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA3	031008-9
7440-62-2	Vanadium	2.4	ug/L	B		P	1	1	OPTIMA3	031008-9
7440-66-6	Zinc	73	ug/L			P	2	1	OPTIMA3	031008-9

Outfall 00/
Sampled 3/5/08
24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 204340

METHOD TYPE: SW846

SAMPLE ID: 204340001

CLIENT ID: 25538-001

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 10-MAR-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	032108A-3
7440-36-0	Antimony	3	ug/L	U		P	3	1	OPTIMA3	032108A-3
7440-38-2	Arsenic	2.1	ug/L	B		MS	1.5	1	ICPMS6	080320-2
7440-39-3	Barium	21.1	ug/L	B		P	1	1	OPTIMA3	032108A-3
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA3	032108A-3
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA3	032108A-3
7440-70-2	Calcium	16700	ug/L			P	30	1	OPTIMA3	032108A-3
7440-47-3	Chromium	2	ug/L	U		P	2	1	OPTIMA3	032108A-3
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA3	032108A-3
7440-50-8	Copper	63.1	ug/L			P	3	1	OPTIMA3	032108A-3
7439-89-6	Iron	129	ug/L			P	25	1	OPTIMA3	032108A-3
7439-92-1	Lead	1.3	ug/L	B		MS	0.5	1	ICPMS6	080320-2
7439-95-4	Magnesium	4410	ug/L	B		P	85	1	OPTIMA3	032108A-3
7439-96-5	Manganese	5.7	ug/L	B		P	2	1	OPTIMA3	032108A-3
7439-97-6	Mercury	0.030	ug/L	U		AV	0.03	1	MER536	032608W1-1
7440-02-0	Nickel	12.4	ug/L	B		P	1	1	OPTIMA3	032108A-3
7440-09-7	Potassium	6510	ug/L			P	50	1	OPTIMA3	032108A-3
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS6	080320-2
7440-22-4	Silver	1.2	ug/L	B		P	1	1	OPTIMA3	032108A-3
7440-23-5	Sodium	44000	ug/L			P	45	1	OPTIMA3	032108A-3
7440-28-0	Thallium	0.510	ug/L	B		MS	0.3	1	ICPMS6	080320-2
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA3	032108A-3
7440-62-2	Vanadium	3.6	ug/L	B		P	1	1	OPTIMA3	032108A-3
7440-66-6	Zinc	77.2	ug/L			P	2	1	OPTIMA3	032108A-3

Outfall 001
sampled 3/7/08
24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 203946

METHOD TYPE: SW846

SAMPLE ID: 203946003

CLIENT ID: 25505-003

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 04-MAR-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	189	ug/L	B		P	68	1	OPTIMA3	031908-3
7440-36-0	Antimony	3	ug/L	U		P	3	1	OPTIMA3	031908-3
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS5	080317-2
7440-39-3	Barium	64.1	ug/L	B		P	1	1	OPTIMA3	031908-3
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA3	031908-3
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA3	031908-3
7440-70-2	Calcium	11100	ug/L			P	30	1	OPTIMA3	031908-3
7440-47-3	Chromium	2	ug/L	U		P	2	1	OPTIMA3	031908-3
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA3	031908-3
7440-50-8	Copper	161	ug/L			P	3	1	OPTIMA3	031908-3
7439-89-6	Iron	1350	ug/L			P	25	1	OPTIMA3	031908-3
7439-92-1	Lead	8.6	ug/L	B		MS	0.5	1	ICPMS5	080317-2
7439-95-4	Magnesium	3500	ug/L	B		P	85	1	OPTIMA3	031908-3
7439-96-5	Manganese	32.9	ug/L			P	2	1	OPTIMA3	031908-3
7439-97-6	Mercury	0.340	ug/L			AV	0.03	1	MER536	032508W2-1
7440-02-0	Nickel	8.1	ug/L	B		P	1	1	OPTIMA3	031908-3
7440-09-7	Potassium	3880	ug/L	B		P	50	1	OPTIMA3	031908-3
7782-49-2	Selenium	1.9	ug/L	B		MS	1	1	ICPMS5	080317-2
7440-22-4	Silver	1	ug/L	U		P	1	1	OPTIMA3	031908-3
7440-23-5	Sodium	39300	ug/L			P	45	1	OPTIMA3	031908-3
7440-28-0	Thallium	0.30	ug/L	U		MS	0.3	1	ICPMS5	080317-2
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA3	031908-3
7440-62-2	Vanadium	4.4	ug/L	B		P	1	1	OPTIMA3	031908-3
7440-66-6	Zinc	112	ug/L			P	2	1	OPTIMA3	031908-3

STP Influent
Sampled 3/5/08
24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 204115

METHOD TYPE: SW846

SAMPLE ID: 204115003

CLIENT ID: 25521-003

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 06-MAR-08

LEVEL: Low %SOLIDS:

CAS No	Analyte	Result	Units	C	Qual	M	MDL	DF	Instrument ID	Analytical Run
7429-90-5	Aluminum	103	ug/L	B		P	68	1	OPTIMA3	031008-9
7440-36-0	Antimony	5.2	ug/L	B		P	3	1	OPTIMA3	031008-9
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS6	080318-8
7440-39-3	Barium	44.8	ug/L	B		P	1	1	OPTIMA3	031008-9
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA3	031008-9
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA3	031008-9
7440-70-2	Calcium	12400	ug/L			P	30	1	OPTIMA3	031008-9
7440-47-3	Chromium	2	ug/L	U		P	2	1	OPTIMA3	031008-9
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA3	031008-9
7440-50-8	Copper	109	ug/L			P	3	1	OPTIMA3	031008-9
7439-89-6	Iron	1050	ug/L			P	25	1	OPTIMA3	031108-10
7439-92-1	Lead	3.5	ug/L	B		MS	0.5	1	ICPMS6	080317-2
7439-95-4	Magnesium	4300	ug/L	B		P	85	1	OPTIMA3	031008-9
7439-96-5	Manganese	35.3	ug/L			P	2	1	OPTIMA3	031008-9
7439-97-6	Mercury	0.110	ug/L	B		AV	0.03	1	MER536	032608W1-1
7440-02-0	Nickel	5.1	ug/L	B		P	1	1	OPTIMA3	031008-9
7440-09-7	Potassium	8530	ug/L		E	P	50	1	OPTIMA3	031108-10
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS6	080317-2
7440-22-4	Silver	1	ug/L	U		P	1	1	OPTIMA3	031008-9
7440-23-5	Sodium	40900	ug/L			P	45	1	OPTIMA3	031108-10
7440-28-0	Thallium	0.30	ug/L	U		MS	0.3	1	ICPMS6	080318-3
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA3	031008-9
7440-62-2	Vanadium	2.1	ug/L	B		P	1	1	OPTIMA3	031008-9
7440-66-6	Zinc	74.5	ug/L			P	2	1	OPTIMA3	031008-9

STP Influent
sampled 3/5/08
24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 204340

METHOD TYPE: SW846

SAMPLE ID: 204340003

CLIENT ID: 25538-003

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 10-MAR-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	032108A-3
7440-36-0	Antimony	3	ug/L	U		P	3	1	OPTIMA3	032108A-3
7440-38-2	Arsenic	2.9	ug/L	B		MS	1.5	1	ICPMS6	080320-2
7440-39-3	Barium	32.7	ug/L	B		P	1	1	OPTIMA3	032108A-3
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA3	032108A-3
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA3	032108A-3
7440-70-2	Calcium	11800	ug/L			P	30	1	OPTIMA3	032108A-3
7440-47-3	Chromium	2	ug/L	U		P	2	1	OPTIMA3	032108A-3
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA3	032108A-3
7440-50-8	Copper	59.9	ug/L			P	3	1	OPTIMA3	032108A-3
7439-89-6	Iron	714	ug/L			P	25	1	OPTIMA3	032108A-3
7439-92-1	Lead	1.9	ug/L	B		MS	0.5	1	ICPMS6	080320-2
7439-95-4	Magnesium	3930	ug/L	B		P	85	1	OPTIMA3	032108A-3
7439-96-5	Manganese	31.1	ug/L			P	2	1	OPTIMA3	032108A-3
7439-97-6	Mercury	0.030	ug/L	U		AV	0.03	1	MER536	032608W1-1
7440-02-0	Nickel	3.4	ug/L	B		P	1	1	OPTIMA3	032108A-3
7440-09-7	Potassium	7280	ug/L			P	50	1	OPTIMA3	032108A-3
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS6	080320-2
7440-22-4	Silver	1	ug/L	U		P	1	1	OPTIMA3	032108A-3
7440-23-5	Sodium	39700	ug/L			P	45	1	OPTIMA3	032108A-3
7440-28-0	Thallium	0.30	ug/L	U		MS	0.3	1	ICPMS6	080320-2
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA3	032108A-3
7440-62-2	Vanadium	1.3	ug/L	B		P	1	1	OPTIMA3	032108A-3
7440-66-6	Zinc	49.1	ug/L			P	2	1	OPTIMA3	032108A-3

STP Influent
Sampled 3/7/08
24 hour Composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 203946

METHOD TYPE: EPA

SAMPLE ID: 203946005

CLIENT ID: 25505-005

CONTRACT: BRKL00504

MATRIX:W

DATE RECEIVED 04-MAR-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	78.7	ng/L			AF	1	5	LLHG	

Clarifier Effluent
Sampled 3/3/08
24 hour composite

METALS
 -1-
 INORGANICS ANALYSIS DATA PACKAGE

SDG No: 204115

METHOD TYPE: EPA

SAMPLE ID: 204115005

CLIENT ID: 25521-005

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 06-MAR-08

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>MDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7439-97-6	Mercury	44.1	ng/L			AF	1	5	LLHG	

Clarifier Effluent
 Sampled 3/5/08
 24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 204340

METHOD TYPE: EPA

SAMPLE ID: 204340005

CLIENT ID: 25538-005

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 10-MAR-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	47.3	ng/L			AF	0.4	2	LLHG	734282

Clarifier Effluent

Sampled 3/7/08

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: March 20, 2008

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

Client Sample ID: 25505-001	Project: BRKL00504
Sample ID: 203946001	Client ID: BRKL005
Matrix: Water	COC: 25505
Collect Date: 03-MAR-08 11:00	Samp Recv.: Client Desc.: STP Effluent
Receive Date: 04-MAR-08 10:00	
Collector: Client	

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Nutrient Analysis Federal											
<i>EPA 365.4 Phosphorus, Total in</i>											
Phosphorus, Total as P		1.53	0.024	0.050	mg/L	1	KLP1	03/06/08	1145	732895	1
Solids Analysis Federal											
<i>EPA 160.2 Total Suspended Liq</i>											
Total Suspended Solids	U	-0.10	0.570	2.50	mg/L		NXM	03/05/08	1019	732733	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	03/05/08	1551	732894

The following Analytical Methods were performed

Method	Description	Analyst	Comments
1	EPA 365.4		
2	EPA 160.2		

Outfall 001
 Sampled 3/3/08
 24 hour composite

GEL LABORATORIES LLC

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Certificate of Analysis

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

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

Report Date: March 24, 2008

Client Sample ID:	25521-001	Project:	BRKL00504
Sample ID:	204115001	Client ID:	BRKL005
Matrix:	Water	COC:	25521
Collect Date:	05-MAR-08 11:00	Samp Recv.:	
Receive Date:	06-MAR-08 09:00	Client Desc.:	STP Effluent
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Nutrient Analysis Federal										
<i>EPA 365.4 Phosphorus, Total in</i>										
Phosphorus, Total as P		1.15	0.024	0.050	mg/L	1	AXH3 03/10/08	1519	733528	1
Solids Analysis Federal										
<i>EPA 160.2 Total Suspended Liq</i>										
Total Suspended Solids	U	0.400	0.570	2.50	mg/L		NXM 03/07/08	1106	733572	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	03/07/08	1510	733527

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 365.4	
2	EPA 160.2	

Outfall 001
Sampled 3/5/08
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: March 26, 2008

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

Client Sample ID:	25538-001	Project:	BRKL00504
Sample ID:	204340001	Client ID:	BRKL005
Matrix:	Water	COC:	25538
Collect Date:	07-MAR-08 10:10	Samp Recv.:	
Receive Date:	10-MAR-08 08:25	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</i>											
Phosphorus, Total as P		1.36	0.024	0.050	mg/L	1	AXH3	03/13/08	0950	734606	1
Solids Analysis Federal											
<i>EPA 160.2 Total Suspended Liq</i>											
Total Suspended Solids	U	0.400	0.570	2.50	mg/L		NXM	03/10/08	1130	734289	2
										1	

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
EPA 365.4 Prep	EPA 365.4 Phosphorus, Total in liquid-Fe	SXK1	03/11/08	1427	734603

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 365.4	
2	EPA 160.2	

Outfall 001
3/7/08
24 hr. composite

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Certificate of Analysis

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

Report Date: March 20, 2008

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

Client Sample ID:	25505-002	Project:	BRKL00504
Sample ID:	203946002	Client ID:	BRKL005
Matrix:	Water	COC:	25505
Collect Date:	03-MAR-08 13:45	Samp Recv.:	
Receive Date:	04-MAR-08 10:00	Client Desc.:	STP Effluent
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Flow Injection Analysis Federal											
<i>SW9012A Cyanide, Total Federal</i>											
Cyanide, Total	U	0.485	1.50	5.00	ug/L	1	KLP1	03/06/08	1131	732696	1

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 9010B Prep	SW846 9010B Prep	AXS5	03/05/08	1431	732693

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 9012A	

Outfall 001
Sampled 3/3/08
Grab

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Certificate of Analysis

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

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

Report Date: March 24, 2008

Client Sample ID:	25521-002	Project:	BRKL00504
Sample ID:	204115002	Client ID:	BRKL005
Matrix:	Water	COC:	25521
Collect Date:	05-MAR-08 13:20	Samp Recv.:	
Receive Date:	06-MAR-08 09:00	Client Desc.:	STP Effluent
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Flow Injection Analysis Federal											
<i>SW9012A Cyanide, Total Federal</i>											
Cyanide, Total	U	-3.16	1.50	5.00	ug/L	1	KLPI	03/10/08	1128	733517	1

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 9010B Prep	SW846 9010B Prep	AXS5	03/07/08	1135	733515

The following Analytical Methods were performed

Method	Description	Analyst	Comments
I	SW846 9012A		

outfall 001
sampled 3/5/08
Grab

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

Certificate of Analysis

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

Report Date: March 26, 2008

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

Client Sample ID: 25538-002
Sample ID: 204340002
Matrix: Water
Collect Date: 07-MAR-08 13:15
Receive Date: 10-MAR-08 08:25
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25538
Samp Recv.:
Client Desc.: STP Effluent

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Flow Injection Analysis Federal											
<i>SW9012A Cyanide, Total Federal</i>											
Cyanide, Total	U	0.934	1.50	5.00	ug/L	1	KLP1	03/13/08	1130	734993	1

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 9010B Prep	SW846 9010B Prep	AXS5	03/12/08	1313	734992

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 9012A	

Outfall 001
Sampled 3/7/08
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

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

Report Date: March 20, 2008

Client Sample ID:	25505-003	Project:	BRKL00504
Sample ID:	203946003	Client ID:	BRKL005
Matrix:	Water	COC:	25505
Collect Date:	03-MAR-08 11:30	Samp Recv.:	
Receive Date:	04-MAR-08 10:00	Client Desc.:	STP Influent
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Solids Analysis Federal										
<i>EPA 160.2 Total Suspended Liq</i>										
Total Suspended Solids		67.2	2.92	12.8	mg/L		NXM 03/05/08	1019	732733	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 160.2	

STP Influent
Sampled 3/3/08
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: March 24, 2008

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

Client Sample ID: 25521-003
Sample ID: 204115003
Matrix: Water
Collect Date: 05-MAR-08 11:30
Receive Date: 06-MAR-08 09:00
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25521
Samp Recv.:
Client Desc.: STP Influent

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Solids Analysis Federal										
<i>EPA 160.2 Total Suspended Liq</i>										
Total Suspended Solids		28.7	2.15	9.43	mg/L		NXM 03/07/08	1106	733572	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 160.2	

STP Influent
Sampled 3/5/08
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: March 26, 2008

Client Sample ID: 25538-003
Sample ID: 204340003
Matrix: Water
Collect Date: 07-MAR-08 10:58
Receive Date: 10-MAR-08 08:25
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25538
Samp Recv.:
Client Desc.: STP Influent

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Solids Analysis Federal										
<i>EPA 160.2 Total Suspended Liq</i>										
Total Suspended Solids		18.0	1.14	5.00	mg/L		NXM 03/10/08	1130	734289	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 160.2	

STP Influent
Sampled 3/7/08
24 hour Composite

ATTACHMENT IV

BROOKHAVEN NATIONAL LABORATORY

SPDES PERMIT NO. NY0005835

DISCHARGE MONITORING REPORT FOR MARCH 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

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 200695

METHOD TYPE: SW846

SAMPLE ID: 200695001

CLIENT ID: 25265-001

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 10-JAN-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	OPTIMA1	011408-2
7440-36-0	Antimony	3	ug/L	U		P	3	1	OPTIMA1	011408-2
7440-38-2	Arsenic	1.5	ug/L	B		MS	1.5	1	ICPMS6	080114-3
7440-39-3	Barium	21.4	ug/L	B		P	1	1	OPTIMA1	011408-2
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA1	011408-2
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA1	011408-2
7440-70-2	Calcium	8930	ug/L			P	30	1	OPTIMA1	011408-2
7440-47-3	Chromium	2	ug/L	U		P	2	1	OPTIMA1	011408-2
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA1	011408-2
7440-50-8	Copper	251	ug/L			P	3	1	OPTIMA1	011408-2
7439-89-6	Iron	25	ug/L	U		P	25	1	OPTIMA1	011408-2
7439-92-1	Lead	8.3	ug/L	B		MS	0.5	1	ICPMS6	080114-3
7439-95-4	Magnesium	2800	ug/L	B		P	85	1	OPTIMA1	011408-2
7439-96-5	Manganese	35.5	ug/L			P	2	1	OPTIMA1	011408-2
7439-97-6	Mercury	0.030	ug/L	U		AV	0.03	1	MER536	012908W1-1
7440-02-0	Nickel	12.2	ug/L	B		P	1	1	OPTIMA1	011408-2
7440-09-7	Potassium	835	ug/L	B		P	50	1	OPTIMA1	011408-2
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS6	080114-3
7440-22-4	Silver	1	ug/L	U		P	1	1	OPTIMA1	011408-2
7440-23-5	Sodium	19800	ug/L			P	45	1	OPTIMA1	011408-2
7440-28-0	Thallium	0.520	ug/L	B		MS	0.3	1	ICPMS6	080114-3
7440-31-5	Tin	26.7	ug/L			P	2.5	1	OPTIMA1	011408-2
7440-62-2	Vanadium	1	ug/L	U		P	1	1	OPTIMA1	011408-2
7440-66-6	Zinc	95.9	ug/L			P	2	1	OPTIMA1	011408-2

Building 535 (PCB)
Sampled 1/9/08

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 200695	Date Collected: 01/09/2008 10:53	Matrix: WATER
Lab Sample ID: 200695001	Date Received: 01/10/2008 09:00	
Client Sample: Bldg 535 PCB	Client: BRKL005	Project: BRKL00504
Client ID: 25265-001	Method: EPA 625	SOP Ref: GL-OA-E-009
Batch ID: 717424	Inst: MSD2.I	Dilution: 1
Run Date: 01/14/2008 17:18	Analyst: AGS1	Inj. Vol: .5 uL
Prep Date: 01/11/2008 18:45	Aliquot: 1000 mL	Final Volume: 1 mL
Data File: s2a1412.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 535 PCB
Sampled 1/9/08

Semi-Volatile
Certificate of Analysis
Sample Summary

Page 2 of 2

SDG Number: 200695	Date Collected: 01/09/2008 10:53	Matrix: WATER
Lab Sample ID: 200695001	Date Received: 01/10/2008 09:00	
Client Sample: Bldg 535 PCB	Client: BRKL005	Project: BRKL00504
Client ID: 25265-001	Method: EPA 625	SOP Ref: GL-OA-E-009
Batch ID: 717424	Inst: MSD2.I	Dilution: 1
Run Date: 01/14/2008 17:18	Analyst: AGS1	Inj. Vol: .5 uL
Prep Date: 01/11/2008 18:45	Aliquot: 1000 mL	Final Volume: 1 mL
Data File: s2a1412.d	Column: J&W DB-SMS	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	U	10.0	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: 200695

METHOD TYPE: SW846

SAMPLE ID: 200695002

CLIENT ID: 25265-002

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 10-JAN-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	OPTIMA1	011408-2
7440-36-0	Antimony	3	ug/L	U		P	3	1	OPTIMA1	011408-2
7440-38-2	Arsenic	3.9	ug/L	B		MS	1.5	1	ICPMS6	080114-3
7440-39-3	Barium	1.3	ug/L	B		P	1	1	OPTIMA1	011408-2
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA1	011408-2
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA1	011408-2
7440-70-2	Calcium	34.2	ug/L	B		P	30	1	OPTIMA1	011408-2
7440-47-3	Chromium	16.5	ug/L			P	2	1	OPTIMA1	011408-2
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA1	011408-2
7440-50-8	Copper	2320	ug/L			P	3	1	OPTIMA1	011408-2
7439-89-6	Iron	2660	ug/L			P	25	1	OPTIMA1	011408-2
7439-92-1	Lead	3.3	ug/L	B		MS	0.5	1	ICPMS6	080114-3
7439-95-4	Magnesium	85	ug/L	U		P	85	1	OPTIMA1	011408-2
7439-96-5	Manganese	5.3	ug/L	B		P	2	1	OPTIMA1	011408-2
7439-97-6	Mercury	0.030	ug/L	U		AV	0.03	1	MER536	012908W1-1
7440-02-0	Nickel	9.3	ug/L	B		P	1	1	OPTIMA1	011408-2
7440-09-7	Potassium	50	ug/L	U		P	50	1	OPTIMA1	011408-2
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS6	080114-3
7440-22-4	Silver	1	ug/L	U		P	1	1	OPTIMA1	011408-2
7440-23-5	Sodium	3170	ug/L	B		P	45	1	OPTIMA1	011408-2
7440-28-0	Thallium	0.30	ug/L	U		MS	0.3	1	ICPMS6	080114-3
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA1	011408-2
7440-62-2	Vanadium	1	ug/L	U		P	1	1	OPTIMA1	011408-2
7440-66-6	Zinc	25.3	ug/L			P	2	1	OPTIMA1	011408-2

Building 498 (Cleaning Facility)
Sampled 1/9/08

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 200695	Date Collected: 01/09/2008 11:15	Matrix: WATER
Lab Sample ID: 200695002	Date Received: 01/18/2008 09:00	
Client Sample: Bldg 498 CF	Client: BRKL005	Project: BRKL00504
Client ID: 25265-002	Method: EPA 625	SOP Ref: GL-OA-E-009
Batch ID: 717424	Inst: MSD2.I	Dilution: 1
Run Date: 01/14/2008 18:22	Analyst: AGS1	Inj. Vol: .5 uL
Prep Date: 01/11/2008 18:45	Aliquot: 980 mL	Final Volume: 1 mL
Data File: s2a1415.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 498 (Cleaning Facility)
Sampled 1/9/08

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 200695	Date Collected: 01/09/2008 11:15	Matrix: WATER
Lab Sample ID: 200695002	Date Received: 01/10/2008 09:00	
Client Sample: Bldg 498 CF	Client: BRKL005	Project: BRKL00504
Client ID: 25265-002	Method: EPA 625	SOP Ref: GL-OA-E-009
Batch ID: 717424	Inst: MSD2.1	Dilution: 1
Run Date: 01/14/2008 18:22	Analyst: AGS1	Inj. Vol: .5 uL
Prep Date: 01/11/2008 18:45	Aliquot: 980 mL	Final Volume: 1 mL
Data File: s2a1415.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

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: March 31, 2008

Client Sample ID:	25566-004	Project:	BRKL00504
Sample ID:	205054004	Client ID:	BRKL005
Matrix:	Water	COC:	25566
Collect Date:	19-MAR-08 11:30	Samp Recv.:	
Receive Date:	20-MAR-08 09:45	Client Desc.:	1004/1002
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Oil & Grease Analysis Federal											
<i>EPA 1664A n-Hexane Extractable Material (Oil and G</i>											
Oil and Grease	J	3.50	1.40	5.00	mg/L		JXT1	03/26/08	0917	739453	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 002B (1004/1002)
Sampled 3/19/08

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
 Attn: Mr. B. Lee

Report Date: 01/21/08

AIHA Laboratory # 101478

nelap certificate # T104704239-07-TX

RESULTS OF ANALYSIS
PROJECT: ES SPDES

Outfall 002B(1004/1002)
 Sampled 1/11/08

ATTACHMENT I

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	Rev_qual	Rev_conc	Rev_QCnotes
25274	1004/1002	W	P8010573	01/11/08	10:10	01/12/08		P8010571	0						
Cas_num	Name	Concen	Error	Det_limit	Units	Anal_date	Method	Lab_batch ID	Ext_date	Dilution	Lab_qual	Lab_qual	Rev_qual	Rev_conc	Rev_QCnotes
	HEDP as Organic Phosphorus	< 0.05		0.05	mg/l	01/12/08	EPA 365.3	P8010571							
	Inorganic Phosphorus	< 0.05		0.05	mg/l	01/12/08	EPA 365.3								
	Total Phosphorus	< 0.05		0.05	mg/l	01/12/08	EPA 365.3								
	Tolytriazole(TTA)	< 0.005		0.005	mg/l	01/16/08	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

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: March 26, 2008

Client Sample ID:	25517-003	Project:	BRKL00504
Sample ID:	204033003	Client ID:	BRKL005
Matrix:	Water	COC:	25517
Collect Date:	04-MAR-08 10:34	Samp Recv.:	
Receive Date:	05-MAR-08 09:20	Client Desc.:	HN
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Oil & Grease Analysis Federal											
<i>EPA 1664A n-Hexane Extractable Material (Oil and G</i>											
Oil and Grease	J	1.53	1.34	4.78	mg/L		JXT1	03/24/08	0916	738244	1

The following Analytical Methods were performed

Method	Description	Analyst	Comments
1	EPA 1664A		

Outfall 002 (HN)
Sampled 3/4/08

CHEMTEx

Environmental & Industrial Hygiene Services

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

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

Report Date: 02/06/08

Attn: **Mr. B. Lee**

AIHA Laboratory # 101478

nelap certificate # T104704239-07-TX

RESULTS OF ANALYSIS
PROJECT: ES SPDES

*Outfall 002 (HN)
 Sampled 1/30/08*

ATTACHMENT 1

COC_num	Site-ID	Sampl-type	Sampl-date	Sampl-time	Rec_date	SDG	Lab_file_ID	Sampl-depth	Flow_rate	Notes
25407	HN	W	P802003901/30/08	14:50	02/01/08		P8020037	0		
Cas_num	Name	Concen	Units	Anal_date	Method	Lab_batch_ID	Ext_date	Dilution	Lab_qual	Lab_QCnotes
	HEDP as Organic Phosphorus	< 0.05	mg/l	02/01/08	EPA 365.3	P8020037			Rev_qual	Rev_QCnotes
	Inorganic Phosphorus	0.11/ 0.12*	mg/l	02/01/08	EPA 365.3					
	Total Phosphorus	0.14/ 0.14*	mg/l	02/01/08	EPA 365.3					
	Tolyltriazole(TIA)	< 0.005	mg/l	02/05/08	SOP # O121-049					
	*Duplicate Analysis									

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

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 200503

METHOD TYPE: SW846

SAMPLE ID: 200503004

CLIENT ID: 25260-004

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 09-JAN-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	011708A-3
7440-36-0	Antimony	3	ug/L	U		P	3	1	OPTIMA3	011708A-3
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS6	080110-2
7440-39-3	Barium	22.6	ug/L	B		P	1	1	OPTIMA3	011708A-3
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA3	011708A-3
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA3	011708A-3
7440-70-2	Calcium	15400	ug/L			P	30	1	OPTIMA3	011708A-3
7440-47-3	Chromium	2	ug/L	U		P	2	1	OPTIMA3	011708A-3
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA3	011708A-3
7440-50-8	Copper	9	ug/L	B		P	3	1	OPTIMA3	011708A-3
7439-89-6	Iron	120	ug/L			P	25	1	OPTIMA3	011708A-3
7439-92-1	Lead	0.50	ug/L	U		MS	0.5	1	ICPMS6	080110-2
7439-95-4	Magnesium	4230	ug/L	B		P	85	1	OPTIMA3	011708A-3
7439-96-5	Manganese	6.4	ug/L	B		P	2	1	OPTIMA3	011708A-3
7439-97-6	Mercury	0.030	ug/L	U		AV	0.03	1	MER536	012908W1-1
7440-02-0	Nickel	1	ug/L	U		P	1	1	OPTIMA3	011708A-3
7440-09-7	Potassium	2420	ug/L	B		P	50	1	OPTIMA3	011708A-3
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS6	080110-2
7440-22-4	Silver	1	ug/L	U		P	1	1	OPTIMA3	011708A-3
7440-23-5	Sodium	29200	ug/L			P	45	1	OPTIMA3	011708A-3
7440-28-0	Thallium	0.30	ug/L	U		MS	0.3	1	ICPMS6	080110-2
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA3	011708A-3
7440-62-2	Vanadium	1	ug/L	U		P	1	1	OPTIMA3	011708A-3
7440-66-6	Zinc	31.6	ug/L			P	2	1	OPTIMA3	011708A-3

Outfall 002 (HW) - Filtered
Sampled 1/8/08

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 200503

METHOD TYPE: SW846

SAMPLE ID: 200503003

CLIENT ID: 25260-003

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 09-JAN-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	011708A-3
7440-36-0	Antimony	3	ug/L	U		P	3	1	OPTIMA3	011708A-3
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS6	080110-2
7440-39-3	Barium	15.1	ug/L	B		P	1	1	OPTIMA3	011708A-3
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA3	011708A-3
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA3	011708A-3
7440-70-2	Calcium	10500	ug/L			P	30	1	OPTIMA3	011708A-3
7440-47-3	Chromium	2	ug/L	U		P	2	1	OPTIMA3	011708A-3
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA3	011708A-3
7440-50-8	Copper	3.5	ug/L	B		P	3	1	OPTIMA3	011708A-3
7439-89-6	Iron	142	ug/L			P	25	1	OPTIMA3	011708A-3
7439-92-1	Lead	0.50	ug/L	U		MS	0.5	1	ICPMS6	080110-2
7439-95-4	Magnesium	2800	ug/L	B		P	85	1	OPTIMA3	011708A-3
7439-96-5	Manganese	30.6	ug/L			P	2	1	OPTIMA3	011708A-3
7439-97-6	Mercury	0.030	ug/L	U		AV	0.03	1	MER536	012908W1-1
7440-02-0	Nickel	1.2	ug/L	B		P	1	1	OPTIMA3	011708A-3
7440-09-7	Potassium	799	ug/L	B		P	50	1	OPTIMA3	011708A-3
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS6	080110-2
7440-22-4	Silver	1	ug/L	U		P	1	1	OPTIMA3	011708A-3
7440-23-5	Sodium	17800	ug/L			P	45	1	OPTIMA3	011708A-3
7440-28-0	Thallium	0.60	ug/L	B		MS	0.3	1	ICPMS6	080110-2
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA3	011708A-3
7440-62-2	Vanadium	1	ug/L	U		P	1	1	OPTIMA3	011708A-3
7440-66-6	Zinc	21.8	ug/L			P	2	1	OPTIMA3	011708A-3

Outfall 002 (HN)
Sampled 1/8/08

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 200503	Date Collected: 01/08/2008 11:07	Matrix: WATER
Lab Sample ID: 200503003	Date Received: 01/09/2008 09:00	
Client Sample: HN	Client: BRKL005	Project: BRKL00504
Client ID: 25260-003	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 717399	Inst: VOA7.I	Dilution: 1
Run Date: 01/11/2008 14:23	Analyst: SJW1	Purge Vol: 5 mL
Prep Date: 01/11/2008 14:23		
Data File: 7s508.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	1.60	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	1.86	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	1.67	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 002 (HW)
Sampled 1/8/08

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

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

Report Date: March 26, 2008

Client Sample ID:	25517-004	Project:	BRKL00504
Sample ID:	204033004	Client ID:	BRKL005
Matrix:	Water	COC:	25517
Collect Date:	04-MAR-08 10:45	Samp Recv.:	
Receive Date:	05-MAR-08 09:20	Client Desc.:	HS
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Oil & Grease Analysis Federal											
<i>EPA 1664A n-Hexane Extractable Material (Oil and G</i>											
Oil and Grease	J	1.74	1.35	4.84	mg/L		JXT1	03/24/08	0918	738244	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 005 (HS)
Sampled 3/4/08

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 200795

METHOD TYPE: SW846

SAMPLE ID: 200795005

CLIENT ID: 25273-005

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 12-JAN-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	643	ug/L			P	68	1	OPTIMA3	011808-3
7440-36-0	Antimony	3	ug/L	U		P	3	1	OPTIMA3	011808-3
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS5	080118-2
7440-39-3	Barium	5.6	ug/L	B		P	1	1	OPTIMA3	011808-3
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA3	011808-3
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA3	011808-3
7440-70-2	Calcium	3680	ug/L	B		P	30	1	OPTIMA3	011808-3
7440-47-3	Chromium	2.6	ug/L	B		P	2	1	OPTIMA3	011808-3
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA3	011808-3
7440-50-8	Copper	3.9	ug/L	B		P	3	1	OPTIMA3	011808-3
7439-89-6	Iron	653	ug/L			P	25	1	OPTIMA3	011808-3
7439-92-1	Lead	3.9	ug/L	B		MS	0.5	1	ICPMS5	080118-2
7439-95-4	Magnesium	603	ug/L	B		P	85	1	OPTIMA3	011808-3
7439-96-5	Manganese	14.9	ug/L	B		P	2	1	OPTIMA3	011808-3
7439-97-6	Mercury	0.030	ug/L	U		AV	0.03	1	MER536	013108W1-1
7440-02-0	Nickel	1	ug/L	U		P	1	1	OPTIMA3	011808-3
7440-09-7	Potassium	458	ug/L	B		P	50	1	OPTIMA3	011808-3
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS5	080118-2
7440-22-4	Silver	1	ug/L	U		P	1	1	OPTIMA3	011808-3
7440-23-5	Sodium	5860	ug/L			P	45	1	OPTIMA3	011808-3
7440-28-0	Thallium	0.30	ug/L	U		MS	0.3	1	ICPMS5	080118-2
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA3	011808-3
7440-62-2	Vanadium	3.4	ug/L	B		P	1	1	OPTIMA3	011808-3
7440-66-6	Zinc	26.1	ug/L			P	2	1	OPTIMA3	011808-3

Outfall 005 (HS)
Sampled 1/11/08

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

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

Report Date: March 26, 2008

Client Sample ID:	25517-001	Project:	BRKL00504
Sample ID:	204033001	Client ID:	BRKL005
Matrix:	Water	COC:	25517
Collect Date:	04-MAR-08 10:20	Samp Recv.:	
Receive Date:	05-MAR-08 09:20	Client Desc.:	HT-W
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Oil & Grease Analysis Federal											
<i>EPA 1664A n-Hexane Extractable Material (Oil and G</i>											
Oil and Grease	J	2.80	1.40	5.00	mg/L		JXT1	03/24/08	0916	738244	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall ^{006A} ~~008~~ (HT-w)
Sampled 3/4/08

CHEMTX

Environmental & Industrial Hygiene Services

Client:

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

Attn:

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

Report Date: 02/06/08

AIHA Laboratory # 101478

nelap certificate # T104704239-07-TX

RESULTS OF ANALYSIS
PROJECT: ES SPDES

*Outlet 006A (HT-W)
 Sampled 1/30/08*

ATTACHMENT I

COC_num	Site-ID	Samp_type	Samp-ID	Samp_date	Samp_time	Rec_date	SDG	Lab_ID	Samp_depth	Flow_rate	Notes	Lab_qual	Lab_QCnotes	Rev_qual	Rev_conc	Rev_QCnotes
25407	HT-W	W	P8020037	01/30/08	15:00	02/01/08		P8020037	0							
Cas_num	Name	Concn	Error	Det_limit	Units	Anal_date	Method	Lab_batch-ID	Ext_date	Dilution						
	HED P as Organic Phosphorus	< 0.05		0.05	mg/l	02/01/08	EPA 365.3	P8020037								
	Inorganic Phosphorus	< 0.05		0.05	mg/l	02/01/08	EPA 365.3									
	Total Phosphorus	< 0.05		0.05	mg/l	02/01/08	EPA 365.3									
	Tolyltriazole(TTA)	< 0.005		0.005	mg/l	02/05/08	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 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: March 26, 2008

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

Client Sample ID:	25517-002	Project:	BRKL00504
Sample ID:	204033002	Client ID:	BRKL005
Matrix:	Water	COC:	25517
Collect Date:	04-MAR-08 10:28	Samp Recv.:	
Receive Date:	05-MAR-08 09:20	Client Desc.:	HT-E
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Oil & Grease Analysis Federal											
<i>EPA 1664A n-Hexane Extractable Material (Oil and G</i>											
Oil and Grease	J	2.60	1.40	5.00	mg/L		JXTI	03/24/08	0916	738244	I

The following Analytical Methods were performed

Method	Description	Analyst	Comments
1	EPA 1664A		

Outfall 006B (HT-E)
Sampled 3/4/08

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
Attn: **Mr. B. Lee**

Report Date: 02/06/08

AIHA Laboratory # 101478

nelap certificate # T104704239-07-TX

RESULTS OF ANALYSIS
PROJECT: ES SPDES

Outfall 006B (HT-E)
Sampled 1/30/08

ATTACHMENT 1

COC_num	Site-ID	Samp_type	Samp-ID	Samp_date	Samp_time	Rec_date	SDG	Lab_file-ID	Samp_depth	Flow_rate	Notes				
25407	HT-E	W	P8020038	01/30/08	14:55	02/01/08		P8020037	0						
Cas_num	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
	HEDP as Organic Phosphorus	< 0.05		0.05	mg/l	02/01/08	EPA 365.3	P8020037							
	Inorganic Phosphorus	0.05		0.05	mg/l	02/01/08	EPA 365.3								
	Total Phosphorus	0.06		0.05	mg/l	02/01/08	EPA 365.3								
	Tolyltriazole(ITA)	< 0.005		0.005	mg/l	02/05/08	SOP # O121-049								

Required fields are shaded

Required field under some circumstances (see Att. 2)

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And Industrial Hygiene Services

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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: March 31, 2008

Client Sample ID: 25566-002
Sample ID: 205054002
Matrix: Water
Collect Date: 19-MAR-08 11:00
Receive Date: 20-MAR-08 09:45
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25566
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</i>											
Oil and Grease	J	2.70	1.40	5.00	mg/L		JXT1	03/26/08	0917	739453	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 008 (HW)
Sampled 3/19/08

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 205054	Date Collected: 03/19/2008 11:00	Matrix: WATER
Lab Sample ID: 205054002	Date Received: 03/20/2008 09:45	
Client Sample: HW	Client: BRKL005	Project: BRKL00504
Client ID: 25566-002	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 738344	Inst: VOA7.I	Dilution: 1
Run Date: 03/21/2008 18:39	Analyst: SJW1	Purge Vol: 5 mL
Prep Date: 03/21/2008 18:39		
Data File: 7c523.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 3/19/08

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 200795

METHOD TYPE: SW846

SAMPLE ID: 200795002

CLIENT ID: 25273-002

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 12-JAN-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	1380	ug/L			P	68	1	OPTIMA3	011808-3
7440-36-0	Antimony	3	ug/L	U		P	3	1	OPTIMA3	011808-3
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS5	080118-2
7440-39-3	Barium	8.7	ug/L	B		P	1	1	OPTIMA3	011808-3
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA3	011808-3
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA3	011808-3
7440-70-2	Calcium	3370	ug/L	B		P	30	1	OPTIMA3	011808-3
7440-47-3	Chromium	2.3	ug/L	B		P	2	1	OPTIMA3	011808-3
7440-48-4	Cobalt	1.2	ug/L	B		P	1	1	OPTIMA3	011808-3
7440-50-8	Copper	4.5	ug/L	B		P	3	1	OPTIMA3	011808-3
7439-89-6	Iron	1370	ug/L			P	25	1	OPTIMA3	011808-3
7439-92-1	Lead	4.1	ug/L	B		MS	0.5	1	ICPMS5	080118-2
7439-95-4	Magnesium	754	ug/L	B		P	85	1	OPTIMA3	011808-3
7439-96-5	Manganese	17.2	ug/L			P	2	1	OPTIMA3	011808-3
7439-97-6	Mercury	0.030	ug/L	U		AV	0.03	1	MER536	013108W1-1
7440-02-0	Nickel	2.3	ug/L	B		P	1	1	OPTIMA3	011808-3
7440-09-7	Potassium	522	ug/L	B		P	50	1	OPTIMA3	011808-3
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS5	080118-2
7440-22-4	Silver	1	ug/L	U		P	1	1	OPTIMA3	011808-3
7440-23-5	Sodium	2960	ug/L	B		P	45	1	OPTIMA3	011808-3
7440-28-0	Thallium	0.50	ug/L	B		MS	0.3	1	ICPMS5	080118-2
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA3	011808-3
7440-62-2	Vanadium	4.6	ug/L	B		P	1	1	OPTIMA3	011808-3
7440-66-6	Zinc	23.6	ug/L			P	2	1	OPTIMA3	011808-3

Outfall 008 (HW)
Sampled 1/11/08

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

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

Report Date: March 31, 2008

Client Sample ID:	25566-003	Project:	BRKL00504
Sample ID:	205054003	Client ID:	BRKL005
Matrix:	Water	COC:	25566
Collect Date:	19-MAR-08 10:50	Samp Recv.:	
Receive Date:	20-MAR-08 09:45	Client Desc.:	CSF Outfall
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Oil & Grease Analysis Federal											
<i>EPA 1664A n-Hexane Extractable Material (Oil and G</i>											
Oil and Grease	J	2.50	1.40	5.00	mg/L		JXT1	03/26/08	0917	739453	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
I	EPA 1664A	

Outfall 010 (CSF)
sampled 3/19/08

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 200795

METHOD TYPE: SW846

SAMPLE ID: 200795003

CLIENT ID: 25273-003

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 12-JAN-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	011808-3
7440-36-0	Antimony	3	ug/L	U		P	3	1	OPTIMA3	011808-3
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS5	080118-2
7440-39-3	Barium	1.3	ug/L	B		P	1	1	OPTIMA3	011808-3
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA3	011808-3
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA3	011808-3
7440-70-2	Calcium	2640	ug/L	B		P	30	1	OPTIMA3	011808-3
7440-47-3	Chromium	2	ug/L	U		P	2	1	OPTIMA3	011808-3
7440-48-4	Cobalt	1.1	ug/L	B		P	1	1	OPTIMA3	011808-3
7440-50-8	Copper	3	ug/L	U		P	3	1	OPTIMA3	011808-3
7439-89-6	Iron	79.6	ug/L	B		P	25	1	OPTIMA3	011808-3
7439-92-1	Lead	0.50	ug/L	U		MS	0.5	1	ICPMS5	080118-2
7439-95-4	Magnesium	228	ug/L	B		P	85	1	OPTIMA3	011808-3
7439-96-5	Manganese	7.9	ug/L	B		P	2	1	OPTIMA3	011808-3
7439-97-6	Mercury	0.030	ug/L	U		AV	0.03	1	MER536	013108W1-1
7440-02-0	Nickel	1.3	ug/L	B		P	1	1	OPTIMA3	011808-3
7440-09-7	Potassium	198	ug/L	B		P	50	1	OPTIMA3	011808-3
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS5	080118-2
7440-22-4	Silver	1	ug/L	U		P	1	1	OPTIMA3	011808-3
7440-23-5	Sodium	4960	ug/L	B		P	45	1	OPTIMA3	011808-3
7440-28-0	Thallium	0.30	ug/L	U		MS	0.3	1	ICPMS5	080118-2
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA3	011808-3
7440-62-2	Vanadium	3.1	ug/L	B		P	1	1	OPTIMA3	011808-3
7440-66-6	Zinc	8.2	ug/L	B		P	2	1	OPTIMA3	011808-3

Outfall 010 (CSP)
Sampled 1/11/08