



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

January 23, 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 December 2007**

In accordance with our SPDES Permit (NY-0005835), enclosed as Attachment I, please find the DMR for the month of December 2007. General Engineering Laboratories, LLC (ELAP Certification #11501) performs most of the analyses on SPDES samples, while H2M Labs, Inc. (NELAP Certification #10478) performs the BOD-5, Nitrogen series, and fecal coliform analyses and CHEMTEX Environmental Laboratory, Inc. (NELAP Certification #02077) performs specialty analyses for tolyltriazole, hydroxyethylidene diphosphonic acid, and polypropylene glycol monobutyl ether. These laboratories are certified by the New York State Department of Health. Field measured parameters (pH, settleable solids, flow) are recorded and/or measured by BNL. Copies of the analytical reports will be retained in our files and will be made available upon request.

Review of the analytical data shows that all parameters met their respective SPDES effluent limitations.

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 December 2007.



Registered to
ISO 14001

A noncompliance report is included in this transmittal for a total nitrogen permit excursion that occurred at Outfall 001 in November 2007. A sample collected on November 14, 2007, as part of BNL's environmental monitoring program, exhibited a total nitrogen concentration of 11.1 mg/L, which exceeded the permit limit of 10 mg/L. This noncompliance event was not reported with the November 2007 DMR since the analytical results for the samples collected, which are not part of BNL's routine SPDES program, were not received and reviewed until after the November 2007 DMR was transmitted. Please see Attachment II for the noncompliance report, which provides more detail on the issue.

Attachment III contains a summary of the Water Treatment Chemical usage for Outfalls 002, 005, and 006 for calendar year 2007.

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 December 2007.

Attachment II: Noncompliance Report for November 2007 Total Nitrogen Excursion at Outfall 001.

Attachment III: Annual Water Treat Chemical Usage for calendar year 2007.

Attachment IV: Analytical Results from H2M Labs Inc. and General Engineering Laboratories, LLC for samples collected on 12/3/07, 12/5/07, and 12/7/07 from Outfall 001 (BNL Use Only).

Attachment V: 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

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



Registered to
ISO 14001

Brookhaven National Laboratory
SPDES Permit No. NY0005835
Discharge Monitoring Report for December 2007
Discharge Monitoring Report Notes:

1. The reported concentration is estimated at less than the method detection limit but greater than the instrument detection limit.
2. Since flow records are maintained on a weekly or monthly basis, the flow rate provided is the daily average.
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. There was no discharge from Outfall 008 during this reporting period.
7. There was no discharge from Outfall 010 during this reporting period.

ATTACHMENT I
BROOKHAVEN NATIONAL LABORATORY
SPDES PERMIT NO. NY0005835
DISCHARGE MONITORING REPORT FOR DECEMBER 2007
FOR OUTFALLS NO. 001 – 010

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

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

Page 1

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

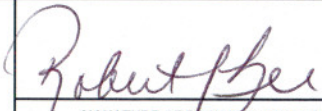
NY0005835	001A
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	10	01	07	12	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Flow rate	SAMPLE MEASUREMENT	1400	*****		*****	*****	*****		0	03/90	RC
00056 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	*****	gal/d	*****	*****	*****			Quarterly	RCORDR
pH	SAMPLE MEASUREMENT	*****	*****		6.7	*****	6.7		0	01/90	GR
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		Req. Mon. MINIMUM	*****	Req. Mon. MAXIMUM	SU		Quarterly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	DATE			
		 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			08 / 1 / 24 YEAR MO DAY
		TELEPHONE 631-344-4549			

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.

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

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

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

Page 2

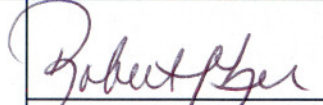
NY0005835	001B
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	10	01	07	12	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Flow rate	SAMPLE MEASUREMENT	130	*****		*****	*****	*****		0	01/90	RC
00056 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	*****	gal/d	*****	*****				Quarterly	RCORDR
pH	SAMPLE MEASUREMENT	*****	*****		7.0	*****	7.0		0	01/90	GR
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		Req. Mon. MINIMUM	*****	Req. Mon. MAXIMUM	SU		Quarterly	GRAB
Chromium, total (as Cr)	SAMPLE MEASUREMENT	*****	*****		*****	*****	5.6		0	01/90	GR
01034 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	Req. Mon. DAILY MX	ug/L		Quarterly	GRAB
Copper, total (as Cu)	SAMPLE MEASUREMENT	*****	*****		*****	*****	198		0	01/90	GR
01042 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	Req. Mon. DAILY MX	ug/L		Quarterly	GRAB
Iron, total (as Fe)	SAMPLE MEASUREMENT	*****	*****		*****	*****	197		0	01/90	GR
01045 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	Req. Mon. DAILY MX	ug/L		Quarterly	GRAB
Managanese, total (as Mn)	SAMPLE MEASUREMENT	*****	*****		*****	*****	9.6		0	01/90	GR
01055 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	Req. Mon. DAILY MX	ug/L		Quarterly	GRAB
Nickel, total (as Ni)	SAMPLE MEASUREMENT	*****	*****		*****	*****	7.0		0	01/90	GR
01067 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	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	DATE		
		 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		
		08	1	24
		TELEPHONE 631-344-4549		

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

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

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

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


NY0005835	001B
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	10	01	07	12	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Zinc, total (as Zn)	SAMPLE MEASUREMENT	*****	*****		*****	*****	17.1		0	01/90	GR
01092 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	Req. Mon. DAILY MX	ug/L		Quarterly	GRAB
Bis (2-ethylhexyl) phthalate SEE NOTE #1	SAMPLE MEASUREMENT	*****	*****		*****	*****	2		0	01/90	GR
39100 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	Req. Mon. DAILY MX	ug/L		Quarterly	GRAB
Di-n-butyl phthalate	SAMPLE MEASUREMENT	*****	*****		*****	*****	<10		0	01/90	GR
39110 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	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		
			08	1	20
			YEAR	MO	DAY
			TELEPHONE		
			631-344-4549		

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.

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

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

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


NY0005835	002B
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	12	01	07	12	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH 00400 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		8.2	*****	8.2		0	01/30	GR
	PERMIT REQUIREMENT	*****	*****		Req. Mon. MINIMUM	*****	9 MAXIMUM	SU		Once Per Month	GRAB
Oil & grease 00556 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		*****	*****	<1.5		0	01/30	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	15 DAILY MX	mg/L		Once Per Month	GRAB
Flow, in conduit or thru treatment plant SEE NOTE #2 50050 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****		0.02	*****	*****	*****		0	04/30	RC
	PERMIT REQUIREMENT	*****	Req. Mon. DAILY MX	Mgal/d	*****	*****	*****			Once Per Month	RCORDR

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			08	1	24
			YEAR	MO	DAY
			TELEPHONE		
			631-344-4549		

Comments and Explanation of any violations (Reference all attachments here)

DISCHARGE MAY BE DIRECTED TO SURROUNDING LOW LYING AREA INSIDE THE ROADWAY THAT IS INSIDE RHIC RING. ONCE STORMWATER COLLECTION SYSTEM IS EXTENDED TO BLDG 1010 AND A NEW RECHARGE BASIN IS CONSTRUCTED, DISCHARGE SHOULD BE TO NEW BASIN.

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

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

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

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NY0005835	001D
PERMIT NUMBER	DISCHARGE NUMBER

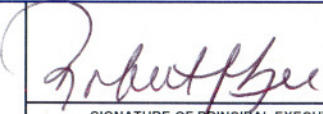
DMR MAILING ZIP CODE: 11973
 MAJOR (SUBR 01)
 PHOTOPROCESSNG RINSE FROM 197B
 External Outfall

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	10	01	07	12	31

No Discharge



PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Flow rate	SEE NOTE #3	SAMPLE MEASUREMENT	*****		*****	*****	*****				
00056 1 0 Effluent Gross		PERMIT REQUIREMENT	Req. Mon. DAILY AV	*****	gal/d	*****	*****	*****		Quarterly	RCORDR
pH	SEE NOTE #3	SAMPLE MEASUREMENT	*****	*****		*****					
00400 1 0 Effluent Gross		PERMIT REQUIREMENT	*****	*****	Req. Mon. MINIMUM	*****	Req. Mon. MAXIMUM	SU		Quarterly	GRAB
Nitrogen, total (as N)	SEE NOTE #3	SAMPLE MEASUREMENT	*****	*****	*****	*****					
00600 1 0 Effluent Gross		PERMIT REQUIREMENT	*****	*****		*****	Req. Mon. DAILY MX	ug/L		Quarterly	GRAB
Cyanide, total (as CN)	SEE NOTE #3	SAMPLE MEASUREMENT	*****	*****	*****	*****					
00720 1 0 Effluent Gross		PERMIT REQUIREMENT	*****	*****	*****	*****	Req. Mon. DAILY MX	ug/L		Quarterly	GRAB
Silver, total (as Ag)	SEE NOTE #3	SAMPLE MEASUREMENT	*****	*****	*****	*****					
01077 1 0 Effluent Gross		PERMIT REQUIREMENT	*****	*****	*****	*****	Req. Mon. DAILY MX	ug/L		Quarterly	GRAB
Phenolics, total recoverable	SEE NOTE #3	SAMPLE 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	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	DATE		
				
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		
		08 / 12 / 24 YEAR MO DAY TELEPHONE 631-344-4549		

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.

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

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

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

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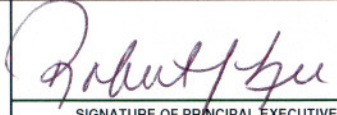
NY0005835	001E
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	10	01	07	12	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Flow rate	SEE NOTE #5	SAMPLE MEASUREMENT	*****		*****	*****	*****		0		RC
00056 1 0 Effluent Gross		PERMIT REQUIREMENT	Req. Mon. DAILY AV	*****	gal/d	*****	*****	*****		Quarterly	RCORDR
pH	SEE NOTE #5	SAMPLE MEASUREMENT	*****	*****		*****			0		GR
00400 1 0 Effluent Gross		PERMIT REQUIREMENT	*****	*****		Req. Mon. MINIMUM	*****	Req. Mon. MAXIMUM	SU	Quarterly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	DATE		
			08	1	29
			YEAR	MO	DAY
			TELEPHONE		
			631-344-4549		

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.

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

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

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

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NY0005835	001F
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	10	01	07	12	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Flow rate 00056 1 0 Effluent Gross	SAMPLE MEASUREMENT	1070	*****		*****	*****	*****		0	03/90	RC
	PERMIT REQUIREMENT	Req. Mon. DAILY AV	*****	gal/d	*****	*****	*****			Quarterly	RCORDR
pH 00400 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		8.3	*****	8.3		0	01/90	GR
	PERMIT REQUIREMENT	*****	*****		Req. Mon. MINIMUM	*****	Req. Mon. MAXIMUM	SU		Quarterly	GRAB
Propylene glycol monobutyl ether 49875 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		*****	*****	<500		0	01/90	GR
	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	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				
			08	1	24	TELEPHONE	
			YEAR	MO	DAY	631-344-4549	

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.

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

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

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

Page 8

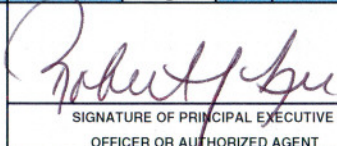
NY0005835	001M
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	12	01	07	12	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Temperature, water deg. Fahrenheit	SAMPLE MEASUREMENT	*****	*****		*****	*****	50		0	01/01	GR
00011 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	90 DAILY MX	deg F		Daily	GRAB
BOD, 5-day, 20 deg. C	SAMPLE MEASUREMENT	*****	*****		*****	< 2	< 2		0	03/30	24
00310 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	10 DAILY AV	20 DAILY MX	mg/L		Once Per Month	COMP24
pH	SAMPLE MEASUREMENT	*****	*****		6.2	*****	6.8		0	01/01	GR
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		5.8 MINIMUM	*****	9 MAXIMUM	SU		Daily	GRAB
Solids, total suspended	SAMPLE MEASUREMENT	*****	*****		*****	<0.6	<0.6		0	03/30	24
00530 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	10 DAILY AV	20 DAILY MX	mg/L		Once Per Month	COMP24
Solids, settleable	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.0		0	01/01	GR
00545 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	0.1 DAILY MX	mL/L		Daily	GRAB
Nitrogen, total (as N)	SAMPLE MEASUREMENT	*****	*****		*****	*****	10		0	03/30	24
00600 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	10 DAILY MX	mg/L		Once Per Month	COMP24
Nitrogen, ammonia total (as N)	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.3		0	03/30	24
00610 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	2 DAILY MX	mg/L		Once Per Month	COMP24

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		
				
		07 / 1 / 24 YEAR MO DAY		
		TELEPHONE 631-344-4549		

Comments and Explanation of any violations (Reference all attachments here)

QUANTITIES OR CONCENTRATIONS OF RADIOACTIVITY IN EFFLUENT ARE SUBJECT TO REQUIREMENTS OF THE USDOE INCL BUT NOT LIMITED TO USDOE ORDER 5400.5. APPROX 15% OF STP DISCHARGE CAN BE TO GW VIA EXFILT FROM SFBS. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS, AND REQUIREMENTS.

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

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

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

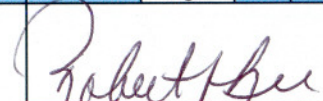
NY0005835	001M
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	12	01	07	12	31

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

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Phosphorus, total (as P)	SAMPLE MEASUREMENT	*****	*****		*****	*****	2.1		0	03/30	24
00665 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	Req. Mon. DAILY MX	mg/L		Once Per Month	COMP24
Cyanide, total (as CN)	SAMPLE MEASUREMENT	*****	*****		*****	*****	2.1		0	03/30	GR
00720 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	100 DAILY MX	ug/L		Twice Per Month	GRAB
Copper, total (as Cu) (AS CU)	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.075		0	03/30	24
01042 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	0.15 DAILY MX	mg/L		Once Per Month	COMP24
Iron, total (as Fe)	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.22		0	03/30	24
01045 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	0.37 DAILY MX	mg/L		Once Per Month	COMP24
Lead, total (as Pb)	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.0013		0	03/30	24
01051 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	0.019 DAILY MX	mg/L		Once Per Month	COMP24
Nickel, total (as Ni)	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.0092		0	03/30	24
01067 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	0.11 DAILY MX	mg/L		Once Per Month	COMP24
Silver, total (as Ag)	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.0016		0	03/30	24
01077 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	0.015 DAILY MX	mg/L		Once Per Month	COMP24

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		
				
		08	1	24
		YEAR	MO	DAY
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE	631-344-4549

Comments and Explanation of any violations (Reference all attachments here)
 QUANTITIES OR CONCENTRATIONS OF RADIOACTIVITY IN EFFLUENT ARE SUBJECT TO REQUIREMENTS OF THE USDOE INCL BUT NOT LIMITED TO USDOE ORDER 5400.5. APPROX 15% OF STP DISCHARGE CAN BE TO GW VIA EXFILT FROM SFBS. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS, AND REQUIREMENTS.

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

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

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

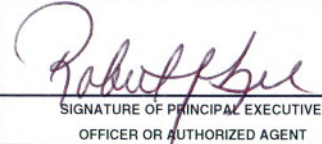
Page 10

NY0005835	001M
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	12	01	07	12	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Zinc, total (as Zn)	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.07		0	03/30	24
01092 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	0.1 DAILY MX	mg/L		Once Per Month	COMP24
Toluene	SAMPLE MEASUREMENT	*****	*****		*****	*****	<1		0	03/30	GR
34010 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	5 DAILY MX	ug/L		Twice Per Month	GRAB
Methylene chloride	SAMPLE MEASUREMENT	*****	*****		*****	*****	<2		0	03/30	GR
34423 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	5 DAILY MX	ug/L		Twice Per Month	GRAB
1, 1, 1 - Trichloroethane	SAMPLE MEASUREMENT	*****	*****		*****	*****	<1		0	03/30	GR
34506 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	5 DAILY MX	ug/L		Twice Per Month	GRAB
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	0.35	0.49		*****	*****	*****		0	99/99	RC
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	2.3 DAILY MX	Mgal/d	*****	*****	*****			Continuous	RCORDR
Mercury, total (as Hg)	SEE NOTE #1 SAMPLE MEASUREMENT	*****	*****		*****	*****	0.0001		0	03/30	24
71900 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	0.0008 DAILY MX	mg/L		Once Per Month	COMP24
Coliform, fecal general	SAMPLE MEASUREMENT	*****	*****		*****	<2	<2		0	03/30	GR
74055 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	200 DAILY AV	400 DAILY MX	#/100mL		Once Per Month	GRAB
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.									DATE 08 / 1 / 24	
								SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE 631-344-4549	

Comments and Explanation of any violations (Reference all attachments here)

QUANTITIES OR CONCENTRATIONS OF RADIOACTIVITY IN EFFLUENT ARE SUBJECT TO REQUIREMENTS OF THE USDOE INCL BUT NOT LIMITED TO USDOE ORDER 5400.5. APPROX 15% OF STP DISCHARGE CAN BE TO GW VIA EXFILT FROM SFBS. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS, AND REQUIREMENTS.

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

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

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

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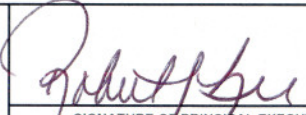
NY0005835	001M
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	12	01	07	12	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
2 - Butanone 78356 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		*****	*****	<5		0	03/30	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	50 DAILY MX	ug/L		Twice Per Month	GRAB
BOD, 5-day, percent removal 81010 K 0 Percent Removal	SAMPLE MEASUREMENT	*****	*****		>96	*****	*****		0	01/30	CA
	PERMIT REQUIREMENT	*****	*****		85 MO AV MN	*****	*****	%		Once Per Month	CALCTD
Solids, suspended percent removal 81011 K 0 Percent Removal	SAMPLE MEASUREMENT	*****	*****		>99	*****	*****		0	01/30	CA
	PERMIT REQUIREMENT	*****	*****		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.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	DATE		
			07	12	24
			YEAR	MO	DAY
			TELEPHONE		
			631-344-4549		

Comments and Explanation of any violations (Reference all attachments here)

QUANTITIES OR CONCENTRATIONS OF RADIOACTIVITY IN EFFLUENT ARE SUBJECT TO REQUIREMENTS OF THE USDOE INCL BUT NOT LIMITED TO USDOE ORDER 5400.5. APPROX 15% OF STP DISCHARGE CAN BE TO GW VIA EXFILT FROM SFBS. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS, AND REQUIREMENTS.

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

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

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


NY0005835	002M
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	12	01	07	12	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH 00400 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		7.2	*****	7.7		0	04/30	GR
	PERMIT REQUIREMENT	*****	*****		Req. Mon. MINIMUM	*****	9 MAXIMUM	SU		Once Per Month	GRAB
Oil & grease 00556 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		*****	*****	6.3		0	01/30	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	15 DAILY MX	mg/L		Once Per Month	GRAB
Flow, in conduit or thru treatment plant 50050 1 0 Effluent Gross	SAMPLE MEASUREMENT	1.1	*****		*****	*****	*****		0	04/30	RC
	PERMIT REQUIREMENT	Req. Mon. DAILY AV	*****	Mgal/d	*****	*****	*****			Once Per Month	RCORDR

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	DATE		
			07	1	20
			YEAR	MO	DAY
			TELEPHONE		
			631-344-4549		

Comments and Explanation of any violations (Reference all attachments here)

SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS AND REQUIREMENTS. SAMPLING FOR THIS OUTFALL SHALL BE CONDUCTED AT A LOCTION DOWNSTREAM OF WHERE EXISTING DISCHARGE MIXES WITH THE COOLING TOWER BLOWDOWN FROM THE STAR DETECTOR.

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

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

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

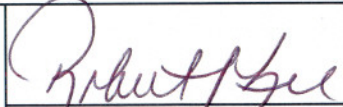
NY0005835	005M
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	12	01	07	12	31

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

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH 00400 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		7.0	*****	7.0		0	04/30	GR
	PERMIT REQUIREMENT	*****	*****		Req. Mon. MINIMUM	*****	8.5 MAXIMUM	SU		Once Per Month	GRAB
Oil & grease 00556 1 0 Effluent Gross	SEE NOTE #1										
	SAMPLE MEASUREMENT	*****	*****		*****	*****	2.7		0	01/30	GR
Flow, in conduit or thru treatment plant 50050 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	15 DAILY MX	mg/L		Once Per Month	GRAB
	SAMPLE MEASUREMENT	0.15	*****		*****	*****	*****		0	04/30	RC
	PERMIT REQUIREMENT	Req. Mon. DAILY AV	*****	Mgal/d	*****	*****	*****			Once Per Month	RCORDR

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	DATE		
			07	12	24
			YEAR	MO	DAY
			TELEPHONE		
			631-344-4549		

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

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

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

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

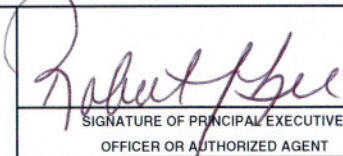
NY0005835	007M
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	12	01	07	12	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Flow rate 00056 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	120000		*****	*****	*****		0	19/30	IN
	PERMIT REQUIREMENT	*****	Req. Mon. DAILY MX	gal/d	*****	*****	*****			Once Per Month	INSTAN
pH 00400 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		7.6	*****	7.6		0	01/30	GR
	PERMIT REQUIREMENT	*****	*****		Req. Mon. MINIMUM	*****	9 MAXIMUM	SU		Once Per Month	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	DATE		
			08	12	
			YEAR	MO	DAY
			TELEPHONE		
			631-344-4549		

Comments and Explanation of any violations (Reference all attachments here)

SAMPLES TO BE COLLECTED AT EFFLUENT PIPE TO WHICHEVER BASIN IS IN OPERATION AT THE TIME. STANDING WATER IN EITHER BASIN SHALL NOT BE COLLECTED FOR DMR SAMPLING PURPOSES. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS, AND REQUIREMENTS.

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

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

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

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NY0005835	008M
PERMIT NUMBER	DISCHARGE NUMBER

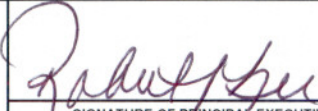
DMR MAILING ZIP CODE: 11973
MAJOR (SUBR 01)
STORMWTR RUNOFF WAREHOUSE (HW)
External Outfall

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	12	01	07	12	31

No Discharge

X

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS				
Flow rate	SEE NOTE #6	SAMPLE MEASUREMENT	*****			*****	*****	*****		0	01/30	IN
00056 1 0 Effluent Gross		PERMIT REQUIREMENT	*****	Req. Mon. DAILY MX	gal/d	*****	*****	*****			Once Per Month	INSTAN
pH	SEE NOTE #6	SAMPLE MEASUREMENT	*****	*****		*****				0	01/30	GR
00400 1 0 Effluent Gross		PERMIT REQUIREMENT	*****	*****		Req. Mon. MINIMUM	*****	8.5 MAXIMUM	SU		Once Per Month	GRAB
Oil & grease	SEE NOTE #6	SAMPLE MEASUREMENT	*****	*****		*****	*****			0	01/30	GR
00556 1 0 Effluent Gross		PERMIT REQUIREMENT	*****	*****		*****	*****	15 DAILY MX	mg/L		Once Per Month	GRAB
1, 1 - Dichloroethylene	SEE NOTE #6	SAMPLE MEASUREMENT	*****	*****		*****	*****			0	01/30	GR
34501 1 0 Effluent Gross		PERMIT REQUIREMENT	*****	*****		*****	*****	5 DAILY MX	ug/L		Once Per Month	GRAB
1, 1, 1 - Trichloroethane	SEE NOTE #6	SAMPLE MEASUREMENT	*****	*****		*****	*****			0	01/30	GR
34506 1 0 Effluent Gross		PERMIT REQUIREMENT	*****	*****		*****	*****	5 DAILY MX	ug/L		Once Per Month	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	DATE		
			of	1	24
			YEAR	MO	DAY
			TELEPHONE		
			631-344-4549		

Comments and Explanation of any violations (Reference all attachments here)

PARAMETERS EXCEPT FOR FLOW TO BE SAMPLED MONTHLY DURING A STORM EVENT. (IF NO DISCHARGE, ENTER AN "X" IN THE "NO DISCHARGE" BOX AT THE UPPER RIGHT.)

SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS, AND REQUIREMENTS

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

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

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

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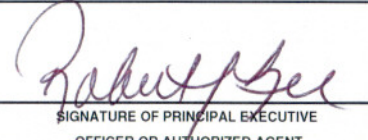
NY0005835	010M
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	12	01	07	12	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS				
Flow rate	SEE NOTE #7	SAMPLE MEASUREMENT	*****			*****	*****	*****		0	01/30	IN
50050 1 0 Effluent Gross		PERMIT REQUIREMENT	*****	Req. Mon. DAILY MX	gal/d	*****	*****	*****			Once Per Month	INSTAN
pH	SEE NOTE #7	SAMPLE MEASUREMENT	*****	*****			*****			0	01/30	GR
00400 1 0 Effluent Gross		PERMIT REQUIREMENT	*****	*****		Req. Mon. MINIMUM	*****	8.5 MAXIMUM	SU		Once Per Month	GRAB
Oil & grease	SEE NOTE #7	SAMPLE MEASUREMENT	*****	*****		*****	*****			0	01/30	GR
00556 1 0 Effluent Gross		PERMIT REQUIREMENT	*****	*****		*****	*****	15 DAILY MX	mg/L		Once Per Month	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	DATE				
			07	1	24		
			YEAR MO DAY			TELEPHONE	
			631-344-4549				

Comments and Explanation of any violations (Reference all attachments here)
 PARAMETERS EXCEPT FOR FLOW TO BE SAMPLED MONTHLY DURING A STORM EVENT. (IF NO DISCHARGE, ENTER AN "X" IN THE "NO DISCHARGE" BOX AT THE UPPER RIGHT.)
 SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS, AND REQUIREMENTS.

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

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

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

Page 17

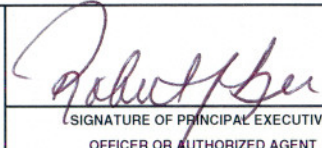
NY0005835	06AM
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	12	01	07	12	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH 00400 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		7.2	*****	7.6		0	04/30	GR
	PERMIT REQUIREMENT	*****	*****		Req. Mon. MINIMUM	*****	9 MAXIMUM	SU		Once Per Month	GRAB
Oil & grease 00556 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		*****	*****	<1.4		0	01/30	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	15 DAILY MX	mg/L		Once Per Month	GRAB
Flow, in conduit or thru treatment plant 50050 1 0 Effluent Gross	SAMPLE MEASUREMENT	0.05	*****		*****	*****	*****		0	04/30	RC
	PERMIT REQUIREMENT	Req. Mon. DAILY AV	*****	Mgal/d	*****	*****	*****			Once Per Month	RCORDR

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	DATE		
			07	12	24
			YEAR	MO	DAY
			TELEPHONE		
			631-344-4549		

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

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

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

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

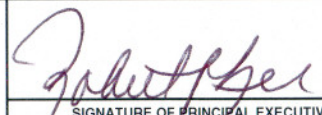
NY0005835	06BM
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	12	01	07	12	31

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

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH 00400 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		7.5	*****	7.7		0	04/30	GR
	PERMIT REQUIREMENT	*****	*****		Req. Mon. MINIMUM	*****	9 MAXIMUM	SU		Once Per Month	GRAB
Oil & grease 00556 1 0 Effluent Gross	SEE NOTE #1										
	SAMPLE MEASUREMENT	*****	*****		*****	*****	<1.4		0	01/30	GR
Flow, in conduit or thru treatment plant 50050 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	15 DAILY MX	mg/L		Once Per Month	GRAB
	SAMPLE MEASUREMENT	0.014	*****		*****	*****	*****		0	04/30	RC
	PERMIT REQUIREMENT	Req. Mon. DAILY AV	*****	Mgal/d	*****	*****	*****			Once Per Month	RCORDR

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	DATE		
			07	1	24
			YEAR	MO	DAY
			TELEPHONE		
			631-344-4549		

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

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

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

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

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NY0005835	001Q
PERMIT NUMBER	DISCHARGE NUMBER

DMR MAILING ZIP CODE: 11973

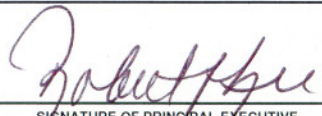
MAJOR
(SUBR 01)

PROCESS SANIT EFFL & STORMWTR
External Outfall

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	10	01	07	12	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Polychlorinated biphenyls (PCBs)	SEE NOTE #4	*****	*****		*****	*****	<0.02		0	03/90	GR
39516 1 0 Effluent Gross		*****	*****		*****	*****	Req. Mon. DAILY MX	ug/L		Quarterly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	DATE			
		 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			08 / 1 / 24 YEAR MO DAY
		TELEPHONE			631-344-4549

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.

**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

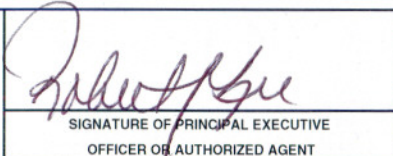
NY0005835	002Q
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	10	01	07	12	31

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

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Aluminum, total (as Al) 01105 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		*****	*****	<0.07		0	01/90	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	2 DAILY MX	mg/L		Quarterly	GRAB
Dichlorobromomethane 32101 1 0 Effluent Gross	SEE NOTE #1 SAMPLE MEASUREMENT	*****	*****		*****	*****	1.6		0	01/90	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	50 DAILY MX	ug/L		Quarterly	GRAB
Chloroform 32106 1 0 Effluent Gross	SEE NOTE #1 SAMPLE MEASUREMENT	*****	*****		*****	*****	3		0	01/90	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	7 DAILY MX	ug/L		Quarterly	GRAB
1, 1, 1 - Trichloroethane 34506 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		*****	*****	<1		0	01/90	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	5 DAILY MX	ug/L		Quarterly	GRAB
1 - Hydroxyethylidene 85812 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		*****	*****	<0.05		0	01/90	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	0.5 DAILY MX	mg/L		Quarterly	GRAB
Tolytriazole 85813 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		*****	*****	<0.005		0	01/90	GR
	PERMIT 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
			07 / 1 / 24
			YEAR MO DAY
			TELEPHONE 631-344-4549

Comments and Explanation of any violations (Reference all attachments here)
NO ADDITIONAL WATER TREATMENT CHEMICAL ADDITIVES W/O PRIOR NYSDEC APPROVAL. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS, AND REQUIREMENTS. 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

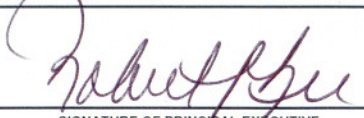
NY0005835	005Q
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	10	01	07	12	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Copper, total (as Cu)	SAMPLE MEASUREMENT	*****	*****		*****	*****	<0.003		0	01/90	GR
01042 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	1 DAILY MX mg/L			Quarterly	GRAB
1 - Hydroxyethylidene	SAMPLE MEASUREMENT	*****	*****		*****	*****	< 0.05		0	01/90	GR
85812 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	0.5 DAILY MX mg/L			Quarterly	GRAB
Tolytriazole	SAMPLE MEASUREMENT	*****	*****		*****	*****	< 0.005		0	01/90	GR
85813 1 0 Effluent Gross	PERMIT 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				
			08	1	24	TELEPHONE	
			YEAR	MO	DAY	631-344-4549	

Comments and Explanation of any violations (Reference all attachments here)
 NO ADDITIONAL WATER TREATMENT CHEMICAL ADDITIVES W/O PRIOR NYSDEC APPROVAL. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS, AND REQUIREMENTS.

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

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

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

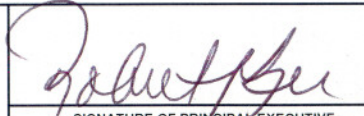
NY0005835	008Q
PERMIT NUMBER	DISCHARGE NUMBER

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
07	10	01	07	12	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Aluminum, dissolved (as Al) 01106 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		*****	*****	<0.07		0	01/90	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	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				
			07	1	24	TELEPHONE	
						631-344-4549	

Comments and Explanation of any violations (Reference all attachments here)

**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

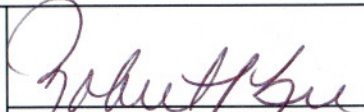
NY0005835	010Q
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	10	01	07	12	31

DMR MAILING ZIP CODE: 11973
 MAJOR (SUBR 01)
 SW RUNOFF FROM CENTRAL STM (H)
 External Outfall

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Copper, dissolved (as Cu) 01040 1 0 Effluent Gross SEE NOTE #1	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.002		0	01/90	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	1 DAILY MX	mg/L		Quarterly	GRAB
Lead, dissolved (as Pb) 01049 1 0 Effluent Gross SEE NOTE #1	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.0005		0	01/90	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	0.05 DAILY MX	mg/L		Quarterly	GRAB
Vanadium, dissolved (as V) 01085 1 0 Effluent Gross SEE NOTE #1	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.005		0	01/90	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	REPORT DAILY MX	mg/L		Quarterly	GRAB
Aluminum, dissolved (as Al) 01106 1 0 Effluent Gross SEE NOTE #1	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.04		0	01/90	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	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				
			08	1	24	TELEPHONE	
			YEAR	MO	DAY	631-344-4549	

Comments and Explanation of any violations (Reference all attachments here)

**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	06AQ
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	10	01	07	12	31

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

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
1 - Hydroxyethylidene 85812 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		*****	*****	< 0.05		0	01/90	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	0.5 DAILY MX	mg/L		Quarterly	GRAB
Tolytriazole 85813 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		*****	*****	< 0.005		0	01/90	GR
	PERMIT 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				
			08	1	24		
			YEAR	MO	DAY	TELEPHONE	
			631-344-4549				

Comments and Explanation of any violations (Reference all attachments here)

NO ADDITIONAL WATER TREATMENT CHEMICAL ADDITIVES W/O PRIOR NYSDEC APPROVAL. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS, AND REQUIREMENTS.

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

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

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

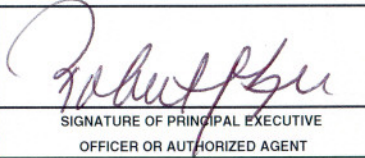
NY0005835	06BQ
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	10	01	07	12	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
1 - Hydroxyethylidene	SAMPLE MEASUREMENT	*****	*****		*****	*****	<0.05		0	01/90	GR
85812 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	0.5 DAILY MX	mg/L		Quarterly	GRAB
Tolytriazole	SAMPLE MEASUREMENT	*****	*****		*****	*****	< 0.005		0	01/90	GR
85813 1 0 Effluent Gross	PERMIT 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				
			07	1	24	TELEPHONE	
			YEAR	MO	DAY	631-344-4549	

Comments and Explanation of any violations (Reference all attachments here)

NO ADDITIONAL WATER TREATMENT CHEMICAL ADDITIVES W/O PRIOR NYSDEC APPROVAL. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS, AND REQUIREMENTS.

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

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

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

Page 26

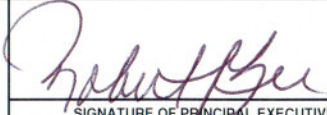
NY0005835	002R
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	10	01	07	12	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
1 - Hydroxyethylidene	SAMPLE MEASUREMENT	*****	*****		*****	*****	< 0.05			01/90	GR
85812 1 0 EFFLUENT GROSS	PERMIT REQUIREMENT	*****	*****		*****	*****	0.5 DAILY MX	mg/L		Quarterly	GRAB
Tolytriazole	SAMPLE MEASUREMENT	*****	*****		*****	*****	< 0.005			01/90	GR
85813 1 0 EFFLUENT GROSS	PERMIT 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				
			08	1	24	TELEPHONE	
						631-344-4549	

Comments and Explanation of any violations (Reference all attachments here)
 DISCHARGE MAY BE DIRECTED TO SURROUNDING LOW LYING AREA INSIDE THE ROADWAY THAT IS INSIDE RHIC RING. ONCE STORMWATER COLLECTION SYSTEM IS EXTENDED TO BLDG 1010 AND A NEW RECHARGE BASIN IS CONSTRUCTED, DISCHARGE SHOULD BE DIRECTED TO THE NEW BASIN.

ATTACHMENT II

BROOKHAVEN NATIONAL LABORATORY

SPDES PERMIT NO. NY0005835

DISCHARGE MONITORING REPORT FOR DECEMBER 2007

NONCOMPLIANCE REPORT FOR NOVEMBER 2007

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 [X] 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: 11/14/07 Location (Outfall, Treatment Unit, or Pump Station): 001

Description of noncompliance(s) and cause(s): A 24-hour composite sample was collected on November 14, 2007 from Outfall 001 that had a nitrate concentration of 11.1 mg/L, which exceeds BNL's total nitrogen permit limit of 10 mg/L. The most likely cause is the increased nitrogen loads associated with BNL's recent sludge dewatering project...

Has event ceased? (Yes) (No) If so, when? 11/14/07 Was event due to plant upset? (Yes) (No) SPDES limits violated? (Yes) (No)

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

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

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 along with several other parameters...

Preventative (long term) corrective actions: Nitrate reducing bacteria continue to be added to the plant to address the periodic elevated total nitrogen levels.

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 1/24/2008 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.
Signature of Robert J. Bee
Signature of Principal Executive Officer or Authorized Agent

ATTACHMENT III

BROOKHAVEN NATIONAL LABORATORY

SPDES PERMIT NO. NY0005835

DISCHARGE MONITORING REPORT FOR DECEMBER 2007

WATER TREATMENT CHEMICAL USAGE REPORT

Attachment III
Brookhaven National Laboratory - NY SPDES Permit # NY0005835
Annual Water Treatment Chemical Usage for Calendar Year 2007

Outfall 002

Authorized Water Treatment Chemicals (WTCs)

Drew 261T, Drew 739, Drew 187, Sodium Hydroxide, Drewbrom 1-L, Drew 2235, Drew 2135, Protecso 629P, Drew Biosperse 254, Drew Biosperse 550

2007 Usage in Pounds

Drew Biosperse 550	1650
Drewbrom 1-L	2600
Drew 2135	4000

WTCs not used in 2007

Drew 261T, Drew 739, Drew 187, Sodium Hydroxide, Drew 2235, Protecso 629P
Drew Biosperse 254

Outfall 005

Authorized Water Treatment Chemicals (WTCs)

Drew 261T, Drew 739, Drew 187, Drew 744, Drew 250, Sodium Hydroxide, Drewbrom 1-L
Drew 2235, Protecso 629P, Drew Biosperse 254, Drew 2135

2007 Usage in Pounds

Drew Biosperse 550	900
Drewbrom 1-L	1500
Drew 2135	1200

WTCs not used in 2007

Drew 261T, Drew 739, Drew 187, Drew 744, Drew 250, Sodium Hydroxide, Drew 2235,
Protecso 629P, Drew Biosperse 254

Outfall 006

Authorized Water Treatment Chemicals (WTCs)

Drew 261T, Drew 739, Drew 187, Sodium Hydroxide, Drewbrom 1-L, Drew 2235, Drew 2135
Protecso 629P, Drew Biosperse 254, Drew Biosperse 550

2007 Usage in Pounds

Drew Biosperse 550	800
Drewbrom 1-L	2300
Drew 2135	1600

WTCs not used in 2007

Drew 261T, Drew 739, Drew 187, Sodium Hydroxide, Drew 2235, Protecso 629P,
Drew Biosperse 254

ATTACHMENT IV

BROOKHAVEN NATIONAL LABORATORY

SPDES PERMIT NO. NY0005835

DISCHARGE MONITORING REPORT FOR DECEMBER 2007

ANALYTICAL RESULTS FROM H2M LABS

AND GENERAL ENGINEERING LABORATORIES, LLC

FOR REGULATORY COMPLIANCE SAMPLES COLLECTED

12/3/07, 12/5/07, and 12/7/07

FROM OUTFALL 001

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0713633-001

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25160-001

Collected : 12/3/2007 11:35:00 AM
Received : 12/3/2007 3:20:00 PM
Collected By CLIENT
Copies To : Original
CC

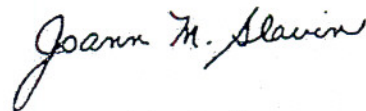
Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Biochemical Oxygen Demand	< 2		1	mg/L	E405.1	12/05/2007 10:51 AM
Nitrogen, Total	8.0		1	mg/L	M4500-N C	12/10/2007
Nitrogen, Ammonia (As N)	< 0.10		1	mg/L	E350.1	12/10/2007 11:49 AM
Nitrite as N	< 0.01		1	mg/L	E353.2	12/04/2007 2:42 PM
Nitrate as N	7.37		10	mg/L	E353.2	12/05/2007 10:59 AM
Nitrogen, Kjeldahl, Total	0.65		1	mg/L	E351.2	12/10/2007 10:16 AM

Outfall 001
Sampled 12/3/07
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 12/18/2007



Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0713792-001

Sample Information...
Type : Aqueous
Origin:

Client ID. : 25176-001

Collected : 12/5/2007 10:10:00 AM
Received : 12/5/2007 3:40:00 PM
Collected By CLIENT
Copies To : Original
CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Biochemical Oxygen Demand	< 2		1	mg/L	E405.1	12/06/2007 3:00 PM
Nitrogen, Total	8.7		1	mg/L	M4500-N C	12/11/2007
Nitrogen, Ammonia (As N)	0.10		1	mg/L	E350.1	12/10/2007 11:53 AM
Nitrite as N	< 0.01		1	mg/L	E353.2	12/06/2007 2:44 PM
Nitrate as N	8.18		20	mg/L	E353.2	12/10/2007 1:28 PM
Nitrogen, Kjeldahl, Total	0.54		1	mg/L	E351.2	12/10/2007 10:18 AM

Outfall 001
Sampled 12/5/07
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 12/18/2007

Joann M. Slavin

Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0713892-001

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25192-001

Collected : 12/7/2007 10:00:00 AM
Received : 12/7/2007 3:20:00 PM
Collected By CLIENT
Copies To : Original
CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Biochemical Oxygen Demand	< 2		1	mg/L	E405.1	12/07/2007 11:45 AM
Nitrogen, Total	10.5		1	mg/L	M4500-N C	12/11/2007
Nitrogen, Ammonia (As N)	0.26		1	mg/L	E350.1	12/10/2007 11:54 AM
Nitrite as N	< 0.01		1	mg/L	E353.2	12/08/2007 8:54 AM
Nitrate as N	9.81		10	mg/L	E353.2	12/10/2007 1:50 PM
Nitrogen, Kjeldahl, Total	0.68		1	mg/L	E351.2	12/10/2007 12:39 PM

Outfall 001
sampled 12/7/07
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 12/18/2007

Joann M. Slavin

Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0713633-002

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25160-002

Collected : 12/3/2007 1:30:00 PM
Received : 12/3/2007 3:20:00 PM
Collected By : CLIENT
Copies To : Original
CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	< 2		1	MPN	M9221 BC	12/03/2007 3:30 PM
Fecal Coliform	< 2		1	MPN	M9221 BC	12/03/2007 3:30 PM

Outfall 001
Sampled 12/3/07
Grab

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

D.F. = Dilution Factor

Date Reported : 12/18/2007

Joann M. Slavin

Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0713792-002

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25176-002

Collected : 12/5/2007 1:30:00 PM
Received : 12/5/2007 3:40:00 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	12/05/2007 4:30 PM
Fecal Coliform	<2		1	MPN	M9221 BC	12/05/2007 4:30 PM

Outfall 001
Sampled 12/5/07
Grab

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

D.F. = Dilution Factor

Date Reported : 12/18/2007

Joanne M. Slavin

Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0713892-002

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25192-002

Collected : 12/7/2007 1:30:00 PM
Received : 12/7/2007 3:20:00 PM
Collected By CLIENT
Copies To : Original
CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	<2		1	MPN	M9221 BC	12/07/2007 3:45 PM
Fecal Coliform	<2		1	MPN	M9221 BC	12/07/2007 3:45 PM

Outfall 001
Sampled 12/7/07
Crab

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

Date Reported : 12/18/2007

Joann M. Slavin

Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0713633-003

Sample Information...

Type : Aqueous

Origin:

Client ID. : 25160-003

Collected : 12/3/2007 1:15:00 PM
Received : 12/3/2007 3:20:00 PM
Collected By CLIENT
Copies To : Original
CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Biochemical Oxygen Demand	26		1	mg/L	E405.1	12/05/2007 10:59 AM

STP Influent
Sampled 12/3/07
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 12/18/2007

Joann M. Slavin

Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0713792-003

Sample Information...

Type : Aqueous

Origin:

Client ID. : 25176-003

Collected : 12/5/2007 10:40:00 AM
Received : 12/5/2007 3:40:00 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	61		1	mg/L	E405.1	12/06/2007 3:05 PM

STP Influent
Sampled 12/5/07
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 12/18/2007

Joann M. Slavin

Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0713892-003

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25192-003

Collected : 12/7/2007 10:20:00 AM
Received : 12/7/2007 3:20:00 PM
Collected By : CLIENT
Copies To : Original
CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Biochemical Oxygen Demand	51		1	mg/L	E405.1	12/07/2007 11:50 AM

STP Influent
Sampled 12/7/07
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 12/18/2007

Joann M. Slavin

Laboratory Manager

Volatile
Certificate of Analysis
Sample Summary

Page 1 of 1

SDG Number: 198655	Date Collected: 12/03/2007 13:30	Matrix: WATER
Lab Sample ID: 198655002	Date Received: 12/04/2007 09:50	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 25159-002	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 709329	Inst: VOA7.I	Dilution: 1
Run Date: 12/08/2007 23:27	Analyst: GRB2	Purge Vol: 5 mL
Prep Date: 12/08/2007 23:27		
Data File: 7n633.d	Column: DB-624	Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
74-87-3	Chloromethane	U	1.00	ug/L	0.500	1.00
75-01-4	Vinyl chloride	U	1.00	ug/L	0.500	1.00
74-83-9	Bromomethane	U	1.00	ug/L	0.500	1.00
75-00-3	Chloroethane	U	1.00	ug/L	0.500	1.00
75-69-4	Trichlorofluoromethane	U	1.00	ug/L	0.310	1.00
67-64-1	Acetone	U	5.00	ug/L	1.25	5.00
75-05-8	Acetonitrile	U	25.0	ug/L	6.25	25.0
75-35-4	1,1-Dichloroethylene	U	1.00	ug/L	0.300	1.00
75-09-2	Methylene chloride	U	2.00	ug/L	2.00	2.00
1634-04-4	tert-Butyl methyl ether	U	5.00	ug/L	0.250	5.00
156-60-5	trans-1,2-Dichloroethylene	U	1.00	ug/L	0.300	1.00
75-34-3	1,1-Dichloroethane	U	1.00	ug/L	0.300	1.00
78-93-3	2-Butanone	U	5.00	ug/L	1.25	5.00
67-66-3	Chloroform	U	1.00	ug/L	0.250	1.00
71-55-6	1,1,1-Trichloroethane	U	1.00	ug/L	0.300	1.00
56-23-5	Carbon tetrachloride	U	1.00	ug/L	0.250	1.00
107-06-2	1,2-Dichloroethane	U	1.00	ug/L	0.250	1.00
71-43-2	Benzene	U	1.00	ug/L	0.300	1.00
79-01-6	Trichloroethylene	U	1.00	ug/L	0.250	1.00
78-87-5	1,2-Dichloropropane	U	1.00	ug/L	0.250	1.00
75-27-4	Bromodichloromethane	U	1.00	ug/L	0.250	1.00
110-75-8	2-Chloroethylvinyl ether	U	5.00	ug/L	1.50	5.00
108-10-1	4-Methyl-2-pentanone	U	5.00	ug/L	1.25	5.00
10061-01-5	cis-1,3-Dichloropropylene	U	1.00	ug/L	0.250	1.00
108-88-3	Toluene	U	1.00	ug/L	0.250	1.00
10061-02-6	trans-1,3-Dichloropropylene	U	1.00	ug/L	0.250	1.00
79-00-5	1,1,2-Trichloroethane	U	1.00	ug/L	0.250	1.00
591-78-6	2-Hexanone	U	5.00	ug/L	1.25	5.00
127-18-4	Tetrachloroethylene	U	1.00	ug/L	0.250	1.00
124-48-1	Dibromochloromethane	U	1.00	ug/L	0.250	1.00
108-90-7	Chlorobenzene	U	1.00	ug/L	0.250	1.00
100-41-4	Ethylbenzene	U	1.00	ug/L	0.250	1.00
75-25-2	Bromoform	U	1.00	ug/L	0.250	1.00
79-34-5	1,1,2,2-Tetrachloroethane	U	1.00	ug/L	0.250	1.00
541-73-1	1,3-Dichlorobenzene	U	1.00	ug/L	0.250	1.00
106-46-7	1,4-Dichlorobenzene	U	1.00	ug/L	0.250	1.00
95-50-1	1,2-Dichlorobenzene	U	1.00	ug/L	0.250	1.00

Outfall 001
Sampled 12/3/07

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 198863	Date Collected: 12/05/2007 13:30	Matrix: WATER
Lab Sample ID: 198863002	Date Received: 12/06/2007 10:00	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 25175-002	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 709329	Inst: VOA7.I	Dilution: 1
Run Date: 12/08/2007 22:07	Analyst: GRB2	Purge Vol: 5 mL
Prep Date: 12/08/2007 22:07	Column: DB-624	Level: LOW
Data File: 7n630.d		

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
74-87-3	Chloromethane	U	1.00	ug/L	0.500	1.00
75-01-4	Vinyl chloride	U	1.00	ug/L	0.500	1.00
74-83-9	Bromomethane	U	1.00	ug/L	0.500	1.00
75-00-3	Chloroethane	U	1.00	ug/L	0.500	1.00
75-69-4	Trichlorofluoromethane	U	1.00	ug/L	0.310	1.00
67-64-1	Acetone	U	5.00	ug/L	1.25	5.00
75-05-8	Acetonitrile	U	25.0	ug/L	6.25	25.0
75-35-4	1,1-Dichloroethylene	U	1.00	ug/L	0.300	1.00
75-09-2	Methylene chloride	U	2.00	ug/L	2.00	2.00
1634-04-4	tert-Butyl methyl ether	U	5.00	ug/L	0.250	5.00
156-60-5	trans-1,2-Dichloroethylene	U	1.00	ug/L	0.300	1.00
75-34-3	1,1-Dichloroethane	U	1.00	ug/L	0.300	1.00
78-93-3	2-Butanone	U	5.00	ug/L	1.25	5.00
67-66-3	Chloroform	U	1.00	ug/L	0.250	1.00
71-55-6	1,1,1-Trichloroethane	U	1.00	ug/L	0.300	1.00
56-23-5	Carbon tetrachloride	U	1.00	ug/L	0.250	1.00
107-06-2	1,2-Dichloroethane	U	1.00	ug/L	0.250	1.00
71-43-2	Benzene	U	1.00	ug/L	0.300	1.00
79-01-6	Trichloroethylene	U	1.00	ug/L	0.250	1.00
78-87-5	1,2-Dichloropropane	U	1.00	ug/L	0.250	1.00
75-27-4	Bromodichloromethane	U	1.00	ug/L	0.250	1.00
110-75-8	2-Chloroethylvinyl ether	U	5.00	ug/L	1.50	5.00
108-10-1	4-Methyl-2-pentanone	U	5.00	ug/L	1.25	5.00
10061-01-5	cis-1,3-Dichloropropylene	U	1.00	ug/L	0.250	1.00
108-88-3	Toluene	U	1.00	ug/L	0.250	1.00
10061-02-6	trans-1,3-Dichloropropylene	U	1.00	ug/L	0.250	1.00
79-00-5	1,1,2-Trichloroethane	U	1.00	ug/L	0.250	1.00
591-78-6	2-Hexanone	U	5.00	ug/L	1.25	5.00
127-18-4	Tetrachloroethylene	U	1.00	ug/L	0.250	1.00
124-48-1	Dibromochloromethane	U	1.00	ug/L	0.250	1.00
108-90-7	Chlorobenzene	U	1.00	ug/L	0.250	1.00
100-41-4	Ethylbenzene	U	1.00	ug/L	0.250	1.00
75-25-2	Bromoform	U	1.00	ug/L	0.250	1.00
79-34-5	1,1,2,2-Tetrachloroethane	U	1.00	ug/L	0.250	1.00
541-73-1	1,3-Dichlorobenzene	U	1.00	ug/L	0.250	1.00
106-46-7	1,4-Dichlorobenzene	U	1.00	ug/L	0.250	1.00
95-50-1	1,2-Dichlorobenzene	U	1.00	ug/L	0.250	1.00

Outfall 001
Sampled 12/5/07
Grab

**Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 199099	Date Collected: 12/07/2007 13:30	Matrix: WATER
Lab Sample ID: 199099002	Date Received: 12/08/2007 09:30	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 25191-002	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 711013	Inst: VOA3.I	Dilution: 1
Run Date: 12/14/2007 11:53	Analyst: JEB	Purge Vol: 5 mL
Prep Date: 12/14/2007 11:53		
Data File: 31436.d	Column: DB-624	Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
74-87-3	Chloromethane	U	1.00	ug/L	0.500	1.00
75-01-4	Vinyl chloride	U	1.00	ug/L	0.500	1.00
74-83-9	Bromomethane	U	1.00	ug/L	0.500	1.00
75-00-3	Chloroethane	U	1.00	ug/L	0.500	1.00
75-69-4	Trichlorofluoromethane	U	1.00	ug/L	0.310	1.00
67-64-1	Acetone	U	5.00	ug/L	1.25	5.00
75-05-8	Acetonitrile	U	25.0	ug/L	6.25	25.0
75-35-4	1,1-Dichloroethylene	U	1.00	ug/L	0.300	1.00
75-09-2	Methylene chloride	U	2.00	ug/L	2.00	2.00
1634-04-4	tert-Butyl methyl ether	U	5.00	ug/L	0.250	5.00
156-60-5	trans-1,2-Dichloroethylene	U	1.00	ug/L	0.300	1.00
75-34-3	1,1-Dichloroethane	U	1.00	ug/L	0.300	1.00
78-93-3	2-Butanone	U	5.00	ug/L	1.25	5.00
67-66-3	Chloroform	U	1.00	ug/L	0.250	1.00
71-55-6	1,1,1-Trichloroethane	U	1.00	ug/L	0.300	1.00
56-23-5	Carbon tetrachloride	U	1.00	ug/L	0.250	1.00
107-06-2	1,2-Dichloroethane	U	1.00	ug/L	0.250	1.00
71-43-2	Benzene	U	1.00	ug/L	0.300	1.00
79-01-6	Trichloroethylene	U	1.00	ug/L	0.250	1.00
78-87-5	1,2-Dichloropropane	U	1.00	ug/L	0.250	1.00
75-27-4	Bromodichloromethane	U	1.00	ug/L	0.250	1.00
110-75-8	2-Chloroethylvinyl ether	U	5.00	ug/L	1.50	5.00
108-10-1	4-Methyl-2-pentanone	U	5.00	ug/L	1.25	5.00
10061-01-5	cis-1,3-Dichloropropylene	U	1.00	ug/L	0.250	1.00
108-88-3	Toluene	U	1.00	ug/L	0.250	1.00
10061-02-6	trans-1,3-Dichloropropylene	U	1.00	ug/L	0.250	1.00
79-00-5	1,1,2-Trichloroethane	U	1.00	ug/L	0.250	1.00
591-78-6	2-Hexanone	U	5.00	ug/L	1.25	5.00
127-18-4	Tetrachloroethylene	U	1.00	ug/L	0.250	1.00
124-48-1	Dibromochloromethane	U	1.00	ug/L	0.250	1.00
108-90-7	Chlorobenzene	U	1.00	ug/L	0.250	1.00
100-41-4	Ethylbenzene	U	1.00	ug/L	0.250	1.00
75-25-2	Bromoform	U	1.00	ug/L	0.250	1.00
79-34-5	1,1,2,2-Tetrachloroethane	U	1.00	ug/L	0.250	1.00
541-73-1	1,3-Dichlorobenzene	U	1.00	ug/L	0.250	1.00
106-46-7	1,4-Dichlorobenzene	U	1.00	ug/L	0.250	1.00
95-50-1	1,2-Dichlorobenzene	U	1.00	ug/L	0.250	1.00

*Outfall 001
sampled 12/7/07
Grabs*

Pesticide
Certificate of Analysis
Sample Summary

SDG Number: 198655	Date Collected: 12/03/2007 13:30	Matrix: WATER
Lab Sample ID: 198655002	Date Received: 12/04/2007 09:50	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 25159-002	Method: EPA 608	SOP Ref: GL-OA-E-041
Batch ID: 708209	Inst: ECD5A.I	Dilution: 1
Run Date: 12/08/2007 02:55	Analyst: HXJ1	Inj. Vol: 1 uL
Prep Date: 12/07/2007 15:01	Aliquot: 960 mL	Final Volume: .5 mL
Data File: 041f4101.d	Column: 1 CLP-1	Level: LOW
041b4101.d	2 CLP-2	

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	RDL	Column
319-84-6	alpha-BHC	U	0.00208	ug/L	0.000521	0.00208		1
58-89-9	gamma-BHC (Lindane)	U	0.00208	ug/L	0.000521	0.00208		1
319-85-7	beta-BHC	U	0.00208	ug/L	0.00088	0.00208		1
319-86-8	delta-BHC	U	0.00208	ug/L	0.000521	0.00208		1
76-44-8	Heptachlor	U	0.00208	ug/L	0.000682	0.00208		1
309-00-2	Aldrin	U	0.00208	ug/L	0.000521	0.00208		1
1024-57-3	Heptachlor epoxide	U	0.00208	ug/L	0.000521	0.00208		1
959-98-8	Endosulfan I	U	0.00208	ug/L	0.000521	0.00208		1
72-55-9	4,4'-DDE	U	0.00417	ug/L	0.000521	0.00417		1
60-57-1	Dieldrin	U	0.00417	ug/L	0.000521	0.00417		1
72-20-8	Endrin	U	0.00417	ug/L	0.000521	0.00417		1
72-54-8	4,4'-DDD	U	0.00417	ug/L	0.000521	0.00417		1
33213-65-9	Endosulfan II	U	0.00417	ug/L	0.000521	0.00417		1
7421-93-4	Endrin aldehyde	U	0.00417	ug/L	0.000521	0.00417		1
50-29-3	4,4'-DDT	U	0.00417	ug/L	0.00104	0.00417		1
1031-07-8	Endosulfan sulfate	U	0.00417	ug/L	0.000521	0.00417		1
57-74-9	Chlordane (tech.)	U	0.026	ug/L	0.00797	0.026		1
8001-35-2	Toxaphene	U	0.0521	ug/L	0.0156	0.0521		1
12674-11-2	Aroclor-1016	U	0.0521	ug/L	0.0173	0.0521	0.065	1
11104-28-2	Aroclor-1221	U	0.0521	ug/L	0.0173	0.0521	0.065	1
11141-16-5	Aroclor-1232	U	0.0521	ug/L	0.0173	0.0521	0.065	1
53469-21-9	Aroclor-1242	U	0.0521	ug/L	0.0173	0.0521	0.065	1
12672-29-6	Aroclor-1248	U	0.0521	ug/L	0.0173	0.0521	0.065	1
11097-69-1	Aroclor-1254	U	0.0521	ug/L	0.0173	0.0521	0.065	1
11096-82-5	Aroclor-1260	U	0.0521	ug/L	0.0173	0.0521	0.065	1

Outfall 001
Sampled 12/3/07

**Pesticide
Certificate of Analysis
Sample Summary**

SDG Number: 198863	Date Collected: 12/05/2007 13:30	Matrix: WATER
Lab Sample ID: 198863002	Date Received: 12/06/2007 10:00	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 25175-002	Method: EPA 608	SOP Ref: GL-OA-E-041
Batch ID: 708209	Inst: ECD5A.I	Dilution: 1
Run Date: 12/08/2007 03:19	Analyst: HXJ1	Inj. Vol: 1 uL
Prep Date: 12/07/2007 15:01	Aliquot: 940 mL	Final Volume: .5 mL
Data File: 043f4301.d	Column: 1 CLP-1	Level: LOW
043b4301.d	2 CLP-2	

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	RDL	Column
319-84-6	alpha-BHC	U	0.00213	ug/L	0.000532	0.00213		1
58-89-9	gamma-BHC (Lindane)	U	0.00213	ug/L	0.000532	0.00213		1
319-85-7	beta-BHC	U	0.00213	ug/L	0.000899	0.00213		1
319-86-8	delta-BHC	U	0.00213	ug/L	0.000532	0.00213		1
76-44-8	Heptachlor	U	0.00213	ug/L	0.000697	0.00213		1
309-00-2	Aldrin	U	0.00213	ug/L	0.000532	0.00213		1
1024-57-3	Heptachlor epoxide	U	0.00213	ug/L	0.000532	0.00213		1
959-98-8	Endosulfan I	U	0.00213	ug/L	0.000532	0.00213		1
72-55-9	4,4'-DDE	U	0.00426	ug/L	0.000532	0.00426		1
60-57-1	Dieldrin	U	0.00426	ug/L	0.000532	0.00426		1
72-20-8	Endrin	U	0.00426	ug/L	0.000532	0.00426		1
72-54-8	4,4'-DDD	U	0.00426	ug/L	0.000532	0.00426		1
33213-65-9	Endosulfan II	U	0.00426	ug/L	0.000532	0.00426		1
7421-93-4	Endrin aldehyde	U	0.00426	ug/L	0.000532	0.00426		1
50-29-3	4,4'-DDT	U	0.00426	ug/L	0.00106	0.00426		1
1031-07-8	Endosulfan sulfate	U	0.00426	ug/L	0.000532	0.00426		1
57-74-9	Chlordane (tech.)	U	0.0266	ug/L	0.00814	0.0266		1
8001-35-2	Toxaphene	U	0.0532	ug/L	0.016	0.0532		1
12674-11-2	Aroclor-1016	U	0.0532	ug/L	0.0177	0.0532	0.065	1
11104-28-2	Aroclor-1221	U	0.0532	ug/L	0.0177	0.0532	0.065	1
11141-16-5	Aroclor-1232	U	0.0532	ug/L	0.0177	0.0532	0.065	1
53469-21-9	Aroclor-1242	U	0.0532	ug/L	0.0177	0.0532	0.065	1
12672-29-6	Aroclor-1248	U	0.0532	ug/L	0.0177	0.0532	0.065	1
11097-69-1	Aroclor-1254	U	0.0532	ug/L	0.0177	0.0532	0.065	1
11096-82-5	Aroclor-1260	U	0.0532	ug/L	0.0177	0.0532	0.065	1

Outfall 001
Sampled 12/5/07

Pesticide
Certificate of Analysis
Sample Summary

SDG Number: 199099	Date Collected: 12/07/2007 13:30	Matrix: WATER
Lab Sample ID: 199099002	Date Received: 12/08/2007 09:30	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 25191-002	Method: EPA 608	SOP Ref: GL-OA-E-041
Batch ID: 710739	Inst: ECD5A.I	Dilution: 1
Run Date: 12/15/2007 00:07	Analyst: HXJ1	Inj. Vol: 1 uL
Prep Date: 12/14/2007 15:50	Aliquot: 970 mL	Final Volume: .5 mL
Data File: 025f2501.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	0.00206	ug/L	0.000515	0.00206		1
58-89-9	gamma-BHC (Lindane)	U	0.00206	ug/L	0.000515	0.00206		1
319-85-7	beta-BHC	U	0.00206	ug/L	0.000871	0.00206		1
319-86-8	delta-BHC	U	0.00206	ug/L	0.000515	0.00206		1
76-44-8	Heptachlor	U	0.00206	ug/L	0.000675	0.00206		1
309-00-2	Aldrin	U	0.00206	ug/L	0.000515	0.00206		1
1024-57-3	Heptachlor epoxide	U	0.00206	ug/L	0.000515	0.00206		1
959-98-8	Endosulfan I	U	0.00206	ug/L	0.000515	0.00206		1
72-55-9	4,4'-DDE	U	0.00412	ug/L	0.000515	0.00412		1
60-57-1	Dieldrin	U	0.00412	ug/L	0.000515	0.00412		1
72-20-8	Endrin	U	0.00412	ug/L	0.000515	0.00412		1
72-54-8	4,4'-DDD	U	0.00412	ug/L	0.000515	0.00412		1
33213-65-9	Endosulfan II	U	0.00412	ug/L	0.000515	0.00412		1
7421-93-4	Endrin aldehyde	U	0.00412	ug/L	0.000515	0.00412		1
50-29-3	4,4'-DDT	U	0.00412	ug/L	0.00103	0.00412		1
1031-07-8	Endosulfan sulfate	U	0.00412	ug/L	0.000515	0.00412		1
57-74-9	Chlordane (tech.)	U	0.0258	ug/L	0.00789	0.0258		1
8001-35-2	Toxaphene	U	0.0515	ug/L	0.0155	0.0515		1
12674-11-2	Aroclor-1016	U	0.0515	ug/L	0.0172	0.0515	0.065	1
11104-28-2	Aroclor-1221	U	0.0515	ug/L	0.0172	0.0515	0.065	1
11141-16-5	Aroclor-1232	U	0.0515	ug/L	0.0172	0.0515	0.065	1
53469-21-9	Aroclor-1242	U	0.0515	ug/L	0.0172	0.0515	0.065	1
12672-29-6	Aroclor-1248	U	0.0515	ug/L	0.0172	0.0515	0.065	1
11097-69-1	Aroclor-1254	U	0.0515	ug/L	0.0172	0.0515	0.065	1
11096-82-5	Aroclor-1260	U	0.0515	ug/L	0.0172	0.0515	0.065	1

Outfall 001
sampled 12/7/07

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 198655

METHOD TYPE: SW846

SAMPLE ID: 198655001

CLIENT ID: 25159-001

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 04-DEC-07

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	OPTIMA1	121907A-2
7440-36-0	Antimony	3.7	ug/L	B		P	3	1	OPTIMA1	121907A-2
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS5	071220-3
7440-39-3	Barium	12.7	ug/L	B		P	1	1	OPTIMA1	121907A-2
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA1	121907A-2
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA1	121907A-2
7440-70-2	Calcium	12200	ug/L			P	30	1	OPTIMA1	121907A-2
7440-47-3	Chromium	2	ug/L	U		P	2	1	OPTIMA1	121907A-2
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA1	121907A-2
7440-50-8	Copper	63.1	ug/L			P	3	1	OPTIMA1	121907A-2
7439-89-6	Iron	184	ug/L			P	25	1	OPTIMA1	121907A-2
7439-92-1	Lead	1.3	ug/L	B		MS	0.5	1	ICPMS5	071220-3
7439-95-4	Magnesium	3060	ug/L	B		P	85	1	OPTIMA1	121907A-2
7439-96-5	Manganese	2	ug/L	U		P	2	1	OPTIMA1	121907A-2
7439-97-6	Mercury	0.110	ug/L	B		AV	0.03	1	MER536	122107W1-1
7440-02-0	Nickel	9.2	ug/L	B		P	1	1	OPTIMA1	121907A-2
7440-09-7	Potassium	5010	ug/L		E	P	50	1	OPTIMA1	121907A-2
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS5	071220-3
7440-22-4	Silver	1.6	ug/L	B		P	1	1	OPTIMA1	121907A-2
7440-23-5	Sodium	36300	ug/L			P	45	1	OPTIMA1	121907A-2
7440-28-0	Thallium	0.460	ug/L	B		MS	0.3	1	ICPMS5	071220-3
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA1	121907A-2
7440-62-2	Vanadium	2.7	ug/L	B		P	1	1	OPTIMA1	121907A-2
7440-66-6	Zinc	56.3	ug/L			P	2	1	OPTIMA1	121907A-2

Outfall 001
Sampled 12/3/07
24 hr. composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 198863

METHOD TYPE: SW846

SAMPLE ID: 198863001

CLIENT ID: 25175-001

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 06-DEC-07

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>MDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	68	ug/L	U		P	68	1	OPTIMA1	122707A-2
7440-36-0	Antimony	3.8	ug/L	B		P	3	1	OPTIMA1	122707A-2
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS5	071217-3
7440-39-3	Barium	14.1	ug/L	B		P	1	1	OPTIMA1	122707A-2
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA1	122707A-2
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA1	122707A-2
7440-70-2	Calcium	13900	ug/L			P	30	1	OPTIMA1	122707A-2
7440-47-3	Chromium	2	ug/L	U		P	2	1	OPTIMA1	122707A-2
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA1	122707A-2
7440-50-8	Copper	74.9	ug/L			P	3	1	OPTIMA1	122707A-2
7439-89-6	Iron	218	ug/L			P	25	1	OPTIMA1	122707A-2
7439-92-1	Lead	1.3	ug/L	B		MS	0.5	1	ICPMS5	071217-3
7439-95-4	Magnesium	3030	ug/L	B		P	85	1	OPTIMA1	122707A-2
7439-96-5	Manganese	2.1	ug/L	B		P	2	1	OPTIMA1	122707A-2
7439-97-6	Mercury	0.054	ug/L	B		AV	0.03	1	MER536	122807W1-1
7440-02-0	Nickel	8.9	ug/L	B		P	1	1	OPTIMA1	122707A-2
7440-09-7	Potassium	4800	ug/L	B		P	50	1	OPTIMA1	122707A-2
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS5	071217-3
7440-22-4	Silver	1	ug/L	B		P	1	1	OPTIMA1	122707A-2
7440-23-5	Sodium	40800	ug/L			P	45	1	OPTIMA1	122707A-2
7440-28-0	Thallium	0.430	ug/L	B		MS	0.3	1	ICPMS5	071217-3
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA1	122707A-2
7440-62-2	Vanadium	2.3	ug/L	B		P	1	1	OPTIMA1	122707A-2
7440-66-6	Zinc	73.1	ug/L			P	2	1	OPTIMA1	122707A-2

Outfall 001
Sampled 12/5/07
24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 199099

METHOD TYPE: SW846

SAMPLE ID: 199099001

CLIENT ID: 25191-001

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 08-DEC-07

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>MDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	68	ug/L	U		P	68	1	OPTIMA1	122807B-2
7440-36-0	Antimony	4.6	ug/L	B		P	3	1	OPTIMA1	122807B-2
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS5	071218-3
7440-39-3	Barium	15.9	ug/L	B		P	1	1	OPTIMA1	122807B-2
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA1	122807B-2
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA1	122807B-2
7440-70-2	Calcium	16000	ug/L			P	30	1	OPTIMA1	122807B-2
7440-47-3	Chromium	2	ug/L	U		P	2	1	OPTIMA1	122807B-2
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA1	122807B-2
7440-50-8	Copper	74.5	ug/L			P	3	1	OPTIMA1	122807B-2
7439-89-6	Iron	152	ug/L			P	25	1	OPTIMA1	122807B-2
7439-92-1	Lead	0.970	ug/L	B		MS	0.5	1	ICPMS5	071218-3
7439-95-4	Magnesium	3690	ug/L	B		P	85	1	OPTIMA1	122807B-2
7439-96-5	Manganese	2	ug/L	U		P	2	1	OPTIMA1	122807B-2
7439-97-6	Mercury	0.030	ug/L	U		AV	0.03	1	MER536	010208W1-1
7440-02-0	Nickel	8.2	ug/L	B		P	1	1	OPTIMA1	122807B-2
7440-09-7	Potassium	5700	ug/L			P	50	1	OPTIMA1	122807B-2
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS5	071218-3
7440-22-4	Silver	1	ug/L	U		P	1	1	OPTIMA1	122807B-2
7440-23-5	Sodium	36900	ug/L			P	45	1	OPTIMA1	122807B-2
7440-28-0	Thallium	0.470	ug/L	B		MS	0.3	1	ICPMS5	071218-3
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA1	122807B-2
7440-62-2	Vanadium	2.2	ug/L	B		P	1	1	OPTIMA1	122807B-2
7440-66-6	Zinc	69.5	ug/L			P	2	1	OPTIMA1	122807B-2

Outfall 001
Sampled 12/7/07
24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 198655

METHOD TYPE: SW846

SAMPLE ID: 198655003

CLIENT ID: 25159-003

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 04-DEC-07

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>MDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	183	ug/L	B		P	68	1	OPTIMA1	121907A-2
7440-36-0	Antimony	3	ug/L	U		P	3	1	OPTIMA1	121907A-2
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS5	071220-3
7440-39-3	Barium	44.3	ug/L	B		P	1	1	OPTIMA1	121907A-2
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA1	121907A-2
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA1	121907A-2
7440-70-2	Calcium	10800	ug/L			P	30	1	OPTIMA1	121907A-2
7440-47-3	Chromium	3.6	ug/L	B		P	2	1	OPTIMA1	121907A-2
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA1	121907A-2
7440-50-8	Copper	165	ug/L			P	3	1	OPTIMA1	121907A-2
7439-89-6	Iron	1400	ug/L			P	25	1	OPTIMA1	121907A-2
7439-92-1	Lead	9.5	ug/L	B		MS	0.5	1	ICPMS5	071220-3
7439-95-4	Magnesium	3070	ug/L	B		P	85	1	OPTIMA1	121907A-2
7439-96-5	Manganese	38.4	ug/L			P	2	1	OPTIMA1	121907A-2
7439-97-6	Mercury	0.140	ug/L	B		AV	0.03	1	MER536	122107W1-1
7440-02-0	Nickel	7.9	ug/L	B		P	1	1	OPTIMA1	121907A-2
7440-09-7	Potassium	3320	ug/L	B	E	P	50	1	OPTIMA1	121907A-2
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS5	071220-3
7440-22-4	Silver	1	ug/L	U		P	1	1	OPTIMA1	121907A-2
7440-23-5	Sodium	39400	ug/L			P	45	1	OPTIMA1	121907A-2
7440-28-0	Thallium	0.30	ug/L	U		MS	0.3	1	ICPMS5	071220-3
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA1	121907A-2
7440-62-2	Vanadium	3.1	ug/L	B		P	1	1	OPTIMA1	121907A-2
7440-66-6	Zinc	120	ug/L			P	2	1	OPTIMA1	121907A-2

STP Influent
Sampled 12/3/07
24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 198863

METHOD TYPE: SW846

SAMPLE ID: 198863003

CLIENT ID: 25175-003

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 06-DEC-07

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>MDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	226	ug/L			P	68	1	OPTIMA1	122707A-2
7440-36-0	Antimony	3	ug/L	U		P	3	1	OPTIMA1	122707A-2
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS5	071217-3
7440-39-3	Barium	44.6	ug/L	B		P	1	1	OPTIMA1	122707A-2
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA1	122707A-2
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA1	122707A-2
7440-70-2	Calcium	11500	ug/L			P	30	1	OPTIMA1	122707A-2
7440-47-3	Chromium	2	ug/L	U		P	2	1	OPTIMA1	122707A-2
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA1	122707A-2
7440-50-8	Copper	215	ug/L			P	3	1	OPTIMA1	122707A-2
7439-89-6	Iron	1230	ug/L			P	25	1	OPTIMA1	122707A-2
7439-92-1	Lead	9.8	ug/L	B		MS	0.5	1	ICPMS5	071217-3
7439-95-4	Magnesium	3380	ug/L	B		P	85	1	OPTIMA1	122707A-2
7439-96-5	Manganese	54.6	ug/L			P	2	1	OPTIMA1	122707A-2
7439-97-6	Mercury	0.130	ug/L	B		AV	0.03	1	MER536	122807W1-1
7440-02-0	Nickel	6.3	ug/L	B		P	1	1	OPTIMA1	122707A-2
7440-09-7	Potassium	7640	ug/L			P	50	1	OPTIMA1	122707A-2
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS5	071217-3
7440-22-4	Silver	1.2	ug/L	B		P	1	1	OPTIMA1	122707A-2
7440-23-5	Sodium	37500	ug/L			P	45	1	OPTIMA1	122707A-2
7440-28-0	Thallium	0.30	ug/L	U		MS	0.3	1	ICPMS5	071217-3
7440-31-5	Tin	7.4	ug/L	B		P	2.5	1	OPTIMA1	122707A-2
7440-62-2	Vanadium	1.5	ug/L	B		P	1	1	OPTIMA1	122707A-2
7440-66-6	Zinc	149	ug/L			P	2	1	OPTIMA1	122707A-2

STP Influent
Sampled 12/5/07
24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 199099

METHOD TYPE: SW846

SAMPLE ID: 199099003

CLIENT ID: 25191-003

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 08-DEC-07

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>MDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	109	ug/L	B		P	68	1	OPTIMA1	122807B-2
7440-36-0	Antimony	3.9	ug/L	B		P	3	1	OPTIMA1	122807B-2
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS5	071218-3
7440-39-3	Barium	35.3	ug/L	B		P	1	1	OPTIMA1	122807B-2
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA1	122807B-2
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA1	122807B-2
7440-70-2	Calcium	11400	ug/L			P	30	1	OPTIMA1	122807B-2
7440-47-3	Chromium	2	ug/L	U		P	2	1	OPTIMA1	122807B-2
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA1	122807B-2
7440-50-8	Copper	110	ug/L			P	3	1	OPTIMA1	122807B-2
7439-89-6	Iron	1130	ug/L			P	25	1	OPTIMA1	122807B-2
7439-92-1	Lead	6.3	ug/L	B		MS	0.5	1	ICPMS5	071218-3
7439-95-4	Magnesium	3470	ug/L	B		P	85	1	OPTIMA1	122807B-2
7439-96-5	Manganese	52.9	ug/L			P	2	1	OPTIMA1	122807B-2
7439-97-6	Mercury	0.057	ug/L	B		AV	0.03	1	MER536	010208W1-1
7440-02-0	Nickel	5.4	ug/L	B		P	1	1	OPTIMA1	122807B-2
7440-09-7	Potassium	6870	ug/L			P	50	1	OPTIMA1	122807B-2
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS5	071218-3
7440-22-4	Silver	1	ug/L	U		P	1	1	OPTIMA1	122807B-2
7440-23-5	Sodium	41800	ug/L			P	45	1	OPTIMA1	122807B-2
7440-28-0	Thallium	0.30	ug/L	U		MS	0.3	1	ICPMS5	071218-3
7440-31-5	Tin	33	ug/L			P	2.5	1	OPTIMA1	122807B-2
7440-62-2	Vanadium	1.8	ug/L	B		P	1	1	OPTIMA1	122807B-2
7440-66-6	Zinc	109	ug/L			P	2	1	OPTIMA1	122807B-2

STP Influent
Sampled 12/2/07
24 hour composite

GEL LABORATORIES LLC

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

Certificate of Analysis

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

Report Date: December 20, 2007

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

Client Sample ID: 25159-001
 Sample ID: 198655001
 Matrix: Water
 Collect Date: 03-DEC-07 11:35
 Receive Date: 04-DEC-07 09:50
 Collector: Client

Project: BRKL00504
 Client ID: BRKL005
 COC: 25159
 Samp Recv.:
 Client Desc.: STP Effluent

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Nutrient Analysis Federal											
<i>EPA 365.4 Phosphorus, Total in</i>											
Phosphorus, Total as P		1.14	0.024	0.050	mg/L	1	AXH3	12/06/07	1402	707815	1
Solids Analysis Federal											
<i>EPA 160.2 Total Suspended Liq</i>											
Total Suspended Solids	U	0.105	0.600	2.63	mg/L		NXM	12/06/07	1015	708487	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	12/04/07	1757	707814

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 365.4	
2	EPA 160.2	

Outfall 001
 Sampled 12/3/07
 24 hour composite

GEL LABORATORIES LLC

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

Certificate of Analysis

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

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

Report Date: December 20, 2007

Client Sample ID: 25175-001
Sample ID: 198863001
Matrix: Water
Collect Date: 05-DEC-07 10:10
Receive Date: 06-DEC-07 10:00
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25175
Samp Recv.:
Client Desc.: STP Effluent

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
Nutrient Analysis Federal											
<i>EPA 365.4 Phosphorus, Total in</i>											
Phosphorus, Total as P		2.09	0.024	0.050	mg/L	1	AXH3	12/10/07	1059	708933	1
Solids Analysis Federal											
<i>EPA 160.2 Total Suspended Liq</i>											
Total Suspended Solids	U	0.300	0.570	2.50	mg/L		NXM	12/07/07	1045	708983	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	12/07/07	1744	708932

The following Analytical Methods were performed

Method	Description	Analyst	Comments
1	EPA 365.4		
2	EPA 160.2		

Outfall 001
Sampled 12/5/07
24 hour composite

GEL LABORATORIES LLC

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

Certificate of Analysis

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

Report Date: December 26, 2007

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

Client Sample ID: 25191-001
 Sample ID: 199099001
 Matrix: Water
 Collect Date: 07-DEC-07 10:00
 Receive Date: 08-DEC-07 09:30
 Collector: Client

Project: BRKL00504
 Client ID: BRKL005
 COC: 25191
 Samp Recv.:
 Client Desc.: STP Effluent

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Nutrient Analysis Federal										
<i>EPA 365.4 Phosphorus, Total in</i>										
Phosphorus, Total as P		1.26	0.024	0.050	mg/L	1	AXH3 12/12/07	1301	709846	1
Solids Analysis Federal										
<i>EPA 160.2 Total Suspended Liq</i>										
Total Suspended Solids	U	0.100	0.570	2.50	mg/L		NXM 12/10/07	1048	709459	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	SXX1	12/11/07	1343	709845

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 365.4	
2	EPA 160.2	

Outfall 001
 Sampled 12/7/07
 24 hour composite

GEL LABORATORIES LLC

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

Certificate of Analysis

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

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

Report Date: December 20, 2007

Client Sample ID: 25159-002
Sample ID: 198655002
Matrix: Water
Collect Date: 03-DEC-07 13:30
Receive Date: 04-DEC-07 09:50
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25159
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	J	2.10	1.50	5.00	ug/L	1	KLP1	12/06/07	1103	708149	1

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 9010B Prep	SW846 9010B Prep	AXS5	12/05/07	1407	708148

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 9012A	

Outfall 001
Sampled 12/3/07
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: December 20, 2007

Client Sample ID: 25175-002
Sample ID: 198863002
Matrix: Water
Collect Date: 05-DEC-07 13:30
Receive Date: 06-DEC-07 10:00
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25175
Samp Recv.:
Client Desc.: STP Effluent

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Flow Injection Analysis Federal										
<i>SW9012A Cyanide, Total Federal</i>										
Cyanide, Total	U	-0.194	1.50	5.00	ug/L	1	KLP1 12/09/07	1051	708964	1

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 9010B Prep	SW846 9010B Prep	AXS5	12/07/07	1508	708963

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 9012A	

Outfall 007
Sampled 12/5/07
Grab

GEL LABORATORIES LLC

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

Certificate of Analysis

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

Report Date: December 26, 2007

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

Client Sample ID: 25191-002
Sample ID: 199099002
Matrix: Water
Collect Date: 07-DEC-07 13:30
Receive Date: 08-DEC-07 09:30
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25191
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	-0.345	1.50	5.00	ug/L	1	KLP1	12/12/07	1055	709935	1

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 9010B Prep	SW846 9010B Prep	SXK1	12/11/07	2235	709933

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 9012A	

Outfall 001
Sampled 12/7/07
Grab

GEL LABORATORIES LLC

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

Certificate of Analysis

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

Report Date: December 20, 2007

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

Client Sample ID: 25159-003
Sample ID: 198655003
Matrix: Water
Collect Date: 03-DEC-07 13:15
Receive Date: 04-DEC-07 09:50
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25159
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		56.7	2.65	11.6	mg/L		NXM 12/06/07 1015	708487	1	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 160.2	

STP Influent
sampled 12/3/07
24 hour composite

GEL LABORATORIES LLC

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

Certificate of Analysis

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

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

Report Date: December 20, 2007

Client Sample ID: 25175-003
Sample ID: 198863003
Matrix: Water
Collect Date: 05-DEC-07 10:40
Receive Date: 06-DEC-07 10:00
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25175
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		58.8	3.22	14.1	mg/L		NXM 12/07/07	1045	708983	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 160.2	

STP Influent
Sampled 12/5/07
24 hour composite

GEL LABORATORIES LLC

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

Certificate of Analysis

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

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

Report Date: December 26, 2007

Client Sample ID: 25191-003
Sample ID: 199099003
Matrix: Water
Collect Date: 07-DEC-07 10:20
Receive Date: 08-DEC-07 09:30
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25191
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		63.3	4.10	18.0	mg/L		NXM 12/10/07	1048	709459	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 160.2	

STP Influent
Sampled 12/7/07
24 hour composite

ATTACHMENT V

BROOKHAVEN NATIONAL LABORATORY

SPDES PERMIT NO. NY0005835

DISCHARGE MONITORING REPORT FOR DECEMBER 2007

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

Semi-Volatile
Certificate of Analysis
Sample Summary

SDG Number: 196809	Date Collected: 10/30/2007 14:55	Matrix: WATER
Lab Sample ID: 196809001	Date Received: 11/01/2007 09:00	
Client Sample: Bldg 535 PCB	Client: BRKL005	Project: BRKL00504
Client ID: 24921-001	Method: EPA 625	SOP Ref: GL-OA-E-009
Batch ID: 699426	Inst: MSD6.I	Dilution: 1
Run Date: 11/09/2007 21:16	Analyst: JLD1	Inj. Vol: .5 uL
Prep Date: 11/06/2007 21:43	Aliquot: 1030 mL	Final Volume: 1 mL
Data File: s6k0934.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	9.71	ug/L	1.94	9.71	10.0
108-95-2	Phenol	U	9.71	ug/L	0.971	9.71	10.0
95-57-8	2-Chlorophenol	U	9.71	ug/L	1.94	9.71	10.0
106-46-7	1,4-Dichlorobenzene	U	9.71	ug/L	1.94	9.71	10.0
621-64-7	N-Nitrosodipropylamine	U	9.71	ug/L	1.94	9.71	10.0
59-50-7	4-Chloro-3-methylphenol	U	9.71	ug/L	1.94	9.71	10.0
83-32-9	Acenaphthene	U	0.971	ug/L	0.301	0.971	10.0
121-14-2	2,4-Dinitrotoluene	U	9.71	ug/L	1.94	9.71	10.0
100-02-7	4-Nitrophenol	U	9.71	ug/L	1.94	9.71	50.0
87-86-5	Pentachlorophenol	U	9.71	ug/L	1.94	9.71	50.0
129-00-0	Pyrene	U	0.971	ug/L	0.291	0.971	10.0
111-44-4	bis(2-Chloroethyl) ether	U	9.71	ug/L	1.94	9.71	10.0
541-73-1	1,3-Dichlorobenzene	U	9.71	ug/L	1.94	9.71	10.0
95-50-1	1,2-Dichlorobenzene	U	9.71	ug/L	1.94	9.71	10.0
108-60-1	bis(2-Chloroisopropyl)ether	U	9.71	ug/L	1.94	9.71	10.0
67-72-1	Hexachloroethane	U	9.71	ug/L	1.94	9.71	10.0
98-95-3	Nitrobenzene	U	9.71	ug/L	2.91	9.71	10.0
78-59-1	Isophorone	U	9.71	ug/L	1.94	9.71	10.0
88-75-5	2-Nitrophenol	U	9.71	ug/L	1.94	9.71	10.0
105-67-9	2,4-Dimethylphenol	U	9.71	ug/L	1.94	9.71	10.0
111-91-1	bis(2-Chloroethoxy)methane	U	9.71	ug/L	2.91	9.71	10.0
120-83-2	2,4-Dichlorophenol	U	9.71	ug/L	1.94	9.71	10.0
91-20-3	Naphthalene	U	0.971	ug/L	0.291	0.971	10.0
87-68-3	Hexachlorobutadiene	U	9.71	ug/L	1.94	9.71	10.0
77-47-4	Hexachlorocyclopentadiene	U	9.71	ug/L	1.94	9.71	10.0
88-06-2	2,4,6-Trichlorophenol	U	9.71	ug/L	1.94	9.71	10.0
91-58-7	2-Chloronaphthalene	U	0.971	ug/L	0.340	0.971	10.0
131-11-3	Dimethylphthalate	U	9.71	ug/L	1.94	9.71	10.0
606-20-2	2,6-Dinitrotoluene	U	9.71	ug/L	1.94	9.71	10.0
208-96-8	Acenaphthylene	U	0.971	ug/L	0.194	0.971	10.0
51-28-5	2,4-Dinitrophenol	U	19.4	ug/L	9.71	19.4	50.0
84-66-2	Diethylphthalate	U	9.71	ug/L	1.94	9.71	10.0
86-73-7	Fluorene	U	0.971	ug/L	0.194	0.971	10.0
7005-72-3	4-Chlorophenylphenylether	U	9.71	ug/L	1.94	9.71	10.0
534-52-1	2-Methyl-4,6-dinitrophenol	U	9.71	ug/L	2.91	9.71	50.0
122-39-4	Diphenylamine	U	9.71	ug/L	2.91	9.71	10.0
101-55-3	4-Bromophenylphenylether	U	9.71	ug/L	1.94	9.71	10.0
118-74-1	Hexachlorobenzene	U	9.71	ug/L	1.94	9.71	10.0

Building 535 (PB)
Sampled 10/30/07

**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 196809	Date Collected: 10/30/2007 14:55	Matrix: WATER
Lab Sample ID: 196809001	Date Received: 11/01/2007 09:00	
Client Sample: Bldg 535 PCB	Client: BRKL005	Project: BRKL00504
Client ID: 24921-001	Method: EPA 625	SOP Ref: GL-OA-E-009
Batch ID: 699426	Inst: MSD6.I	Dilution: 1
Run Date: 11/09/2007 21:16	Analyst: JLD1	Inj. Vol: .5 uL
Prep Date: 11/06/2007 21:43	Aliquot: 1030 mL	Final Volume: 1 mL
Data File: s6k0934.d	Column: J&W DB-5MS	Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	RDL
85-01-8	Phenanthrene	U	0.971	ug/L	0.194	0.971	10.0
120-12-7	Anthracene	U	0.971	ug/L	0.194	0.971	10.0
84-74-2	Di-n-butylphthalate	U	9.71	ug/L	1.94	9.71	10.0
206-44-0	Fluoranthene	U	0.971	ug/L	0.194	0.971	10.0
85-68-7	Butylbenzylphthalate	U	9.71	ug/L	1.94	9.71	10.0
56-55-3	Benzo(a)anthracene	U	0.971	ug/L	0.194	0.971	10.0
91-94-1	3,3'-Dichlorobenzidine	U	9.71	ug/L	0.971	9.71	40.0
218-01-9	Chrysene	U	0.971	ug/L	0.194	0.971	10.0
117-81-7	bis(2-Ethylhexyl)phthalate	U	9.71	ug/L	1.94	9.71	10.0
117-84-0	Di-n-octylphthalate	U	9.71	ug/L	2.91	9.71	10.0
205-99-2	Benzo(b)fluoranthene	U	0.971	ug/L	0.194	0.971	10.0
207-08-9	Benzo(k)fluoranthene	U	0.971	ug/L	0.194	0.971	10.0
50-32-8	Benzo(a)pyrene	U	0.971	ug/L	0.194	0.971	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.971	ug/L	0.194	0.971	10.0
53-70-3	Dibenzo(a,h)anthracene	U	0.971	ug/L	0.194	0.971	10.0
191-24-2	Benzo(ghi)perylene	U	0.971	ug/L	0.194	0.971	10.0
120-82-1	1,2,4-Trichlorobenzene	U	9.71	ug/L	1.94	9.71	10.0

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 196809

METHOD TYPE: SW846

SAMPLE ID: 196809001

CLIENT ID: 24921-001

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 01-NOV-07

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>MDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	68	ug/L	U		P	68	1	TRACE2	110707-1
7440-36-0	Antimony	3	ug/L	U		P	3	1	TRACE2	110707-1
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS5	071105-3
7440-39-3	Barium	27.9	ug/L	B		P	1	1	TRACE2	110707-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	TRACE2	110707-1
7440-43-9	Cadmium	1	ug/L	U		P	1	1	TRACE2	110707-1
7440-70-2	Calcium	8270	ug/L			P	30	1	TRACE2	110707-1
7440-47-3	Chromium	2.3	ug/L	B		P	1	1	TRACE2	110707-1
7440-48-4	Cobalt	1.5	ug/L	B		P	1	1	TRACE2	110707-1
7440-50-8	Copper	133	ug/L			P	3	1	TRACE2	110707-1
7439-89-6	Iron	235	ug/L			P	25	1	TRACE2	110707-1
7439-92-1	Lead	12.3	ug/L			MS	0.5	1	ICPMS5	071105-3
7439-95-4	Magnesium	2800	ug/L	B		P	85	1	TRACE2	110707-1
7439-96-5	Manganese	240	ug/L			P	2	1	TRACE2	110707-1
7439-97-6	Mercury	0.030	ug/L	U		AV	0.03	1	MER536	110807W2-2
7440-02-0	Nickel	37.1	ug/L	B		P	1	1	TRACE2	110707-1
7440-09-7	Potassium	806	ug/L	B		P	50	1	TRACE2	110707-1
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS5	071105-3
7440-22-4	Silver	1	ug/L	U		P	1	1	TRACE2	110707-1
7440-23-5	Sodium	20800	ug/L			P	45	1	TRACE2	110707-1
7440-28-0	Thallium	0.740	ug/L	B		MS	0.3	1	ICPMS5	071105-3
7440-31-5	Tin	238	ug/L			P	2.5	1	TRACE2	110707-1
7440-62-2	Vanadium	1.3	ug/L	B		P	1	1	TRACE2	110707-1
7440-66-6	Zinc	129	ug/L			P	2	1	TRACE2	110707-1

Building 535 (PCB)
Sampled 10/30/07

Semi-Volatile
Certificate of Analysis
Sample Summary

Page 1 of 2

SDG Number: 195163	Date Collected: 10/03/2007 15:30	Matrix: WATER
Lab Sample ID: 195163001	Date Received: 10/05/2007 09:30	
Client Sample: Bldg 498 CF	Client: BRKL005	Project: BRKL00504
Client ID: 24844-001	Method: EPA 625	SOP Ref: GL-OA-E-009
Batch ID: 691172	Inst: MSD1.I	Dilution: 1
Run Date: 10/11/2007 22:53	Analyst: LOF	Inj. Vol: .5 uL
Prep Date: 10/10/2007 14:20	Aliquot: 1020 mL	Final Volume: 1 mL
Data File: s1j1126.d	Column: Phenomenex ZB-5MS	Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	RDL
62-75-9	N-Methyl-N-nitrosomethylamine	U	9.80	ug/L	1.96	9.80	10.0
108-95-2	Phenol	U	9.80	ug/L	0.980	9.80	10.0
95-57-8	2-Chlorophenol	U	9.80	ug/L	1.96	9.80	10.0
106-46-7	1,4-Dichlorobenzene	U	9.80	ug/L	1.96	9.80	10.0
621-64-7	N-Nitrosodipropylamine	U	9.80	ug/L	1.96	9.80	10.0
59-50-7	4-Chloro-3-methylphenol	U	9.80	ug/L	1.96	9.80	10.0
83-32-9	Acenaphthene	U	0.980	ug/L	0.304	0.980	10.0
121-14-2	2,4-Dinitrotoluene	U	9.80	ug/L	1.96	9.80	10.0
100-02-7	4-Nitrophenol	U	9.80	ug/L	1.96	9.80	50.0
87-86-5	Pentachlorophenol	U	9.80	ug/L	1.96	9.80	50.0
129-00-0	Pyrene	U	0.980	ug/L	0.294	0.980	10.0
111-44-4	bis(2-Chloroethyl) ether	U	9.80	ug/L	1.96	9.80	10.0
541-73-1	1,3-Dichlorobenzene	U	9.80	ug/L	1.96	9.80	10.0
95-50-1	1,2-Dichlorobenzene	U	9.80	ug/L	1.96	9.80	10.0
108-60-1	bis(2-Chloroisopropyl)ether	U	9.80	ug/L	1.96	9.80	10.0
67-72-1	Hexachloroethane	U	9.80	ug/L	1.96	9.80	10.0
98-95-3	Nitrobenzene	U	9.80	ug/L	2.94	9.80	10.0
78-59-1	Isophorone	U	9.80	ug/L	1.96	9.80	10.0
88-75-5	2-Nitrophenol	U	9.80	ug/L	1.96	9.80	10.0
105-67-9	2,4-Dimethylphenol	U	9.80	ug/L	1.96	9.80	10.0
111-91-1	bis(2-Chloroethoxy)methane	U	9.80	ug/L	2.94	9.80	10.0
120-83-2	2,4-Dichlorophenol	U	9.80	ug/L	1.96	9.80	10.0
91-20-3	Naphthalene	U	0.980	ug/L	0.294	0.980	10.0
87-68-3	Hexachlorobutadiene	U	9.80	ug/L	1.96	9.80	10.0
77-47-4	Hexachlorocyclopentadiene	U	9.80	ug/L	1.96	9.80	10.0
88-06-2	2,4,6-Trichlorophenol	U	9.80	ug/L	1.96	9.80	10.0
91-58-7	2-Chloronaphthalene	U	0.980	ug/L	0.343	0.980	10.0
131-11-3	Dimethylphthalate	U	9.80	ug/L	1.96	9.80	10.0
606-20-2	2,6-Dinitrotoluene	U	9.80	ug/L	1.96	9.80	10.0
208-96-8	Acenaphthylene	U	0.980	ug/L	0.196	0.980	10.0
51-28-5	2,4-Dinitrophenol	U	19.6	ug/L	9.80	19.6	50.0
84-66-2	Diethylphthalate	U	9.80	ug/L	1.96	9.80	10.0
86-73-7	Fluorene	U	0.980	ug/L	0.196	0.980	10.0
7005-72-3	4-Chlorophenylphenylether	U	9.80	ug/L	1.96	9.80	10.0
534-52-1	2-Methyl-4,6-dinitrophenol	U	9.80	ug/L	2.94	9.80	50.0
122-39-4	Diphenylamine	U	9.80	ug/L	2.94	9.80	10.0
101-55-3	4-Bromophenylphenylether	U	9.80	ug/L	1.96	9.80	10.0
118-74-1	Hexachlorobenzene	U	9.80	ug/L	1.96	9.80	10.0

*Building 498 Cleaning Facility
Sampled 10/3/07*

**Semi-Volatile
Certificate of Analysis
Sample Summary**

SDG Number: 195163	Date Collected: 10/03/2007 15:30	Matrix: WATER
Lab Sample ID: 195163001	Date Received: 10/05/2007 09:30	
Client Sample: Bldg 498 CF	Client: BRKL005	Project: BRKL00504
Client ID: 24844-001	Method: EPA 625	SOP Ref: GL-OA-E-009
Batch ID: 691172	Inst: MSD1.I	Dilution: 1
Run Date: 10/11/2007 22:53	Analyst: LOF	Inj. Vol: .5 uL
Prep Date: 10/10/2007 14:20	Aliquot: 1020 mL	Final Volume: 1 mL
Data File: slj1126.d	Column: Phenomenex ZB-5MS	Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	RDL
85-01-8	Phenanthrene	U	0.980	ug/L	0.196	0.980	10.0
120-12-7	Anthracene	U	0.980	ug/L	0.196	0.980	10.0
84-74-2	Di-n-butylphthalate	U	9.80	ug/L	1.96	9.80	10.0
206-44-0	Fluoranthene	U	0.980	ug/L	0.196	0.980	10.0
85-68-7	Butylbenzylphthalate	U	9.80	ug/L	1.96	9.80	10.0
56-55-3	Benzo(a)anthracene	U	0.980	ug/L	0.196	0.980	10.0
91-94-1	3,3'-Dichlorobenzidine	U	9.80	ug/L	0.980	9.80	40.0
218-01-9	Chrysene	U	0.980	ug/L	0.196	0.980	10.0
117-81-7	bis(2-Ethylhexyl)phthalate	J	1.99	ug/L	1.96	9.80	10.0
117-84-0	Di-n-octylphthalate	U	9.80	ug/L	2.94	9.80	10.0
205-99-2	Benzo(b)fluoranthene	U	0.980	ug/L	0.196	0.980	10.0
207-08-9	Benzo(k)fluoranthene	U	0.980	ug/L	0.196	0.980	10.0
50-32-8	Benzo(a)pyrene	U	0.980	ug/L	0.196	0.980	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.980	ug/L	0.196	0.980	10.0
53-70-3	Dibenzo(a,h)anthracene	U	0.980	ug/L	0.196	0.980	10.0
191-24-2	Benzo(ghi)perylene	U	0.980	ug/L	0.196	0.980	10.0
120-82-1	1,2,4-Trichlorobenzene	U	9.80	ug/L	1.96	9.80	10.0

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 195163

METHOD TYPE: SW846

SAMPLE ID: 195163001

CLIENT ID: 24844-001

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 05-OCT-07

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>MDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	68	ug/L	U		P	68	1	TRACE2	101807-1
7440-36-0	Antimony	3	ug/L	U		P	3	1	TRACE2	101807-1
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS5	071014-3
7440-39-3	Barium	1.5	ug/L	B		P	1	1	TRACE2	101807-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	TRACE2	101807-1
7440-43-9	Cadmium	1	ug/L	U		P	1	1	TRACE2	101807-1
7440-70-2	Calcium	143	ug/L	B		P	30	1	TRACE2	101807-1
7440-47-3	Chromium	5.6	ug/L	B		P	1	1	TRACE2	101807-1
7440-48-4	Cobalt	1.8	ug/L	B		P	1	1	TRACE2	101807-1
7440-50-8	Copper	198	ug/L			P	3	1	TRACE2	101807-1
7439-89-6	Iron	197	ug/L			P	25	1	TRACE2	101807-1
7439-92-1	Lead	1.3	ug/L	B		MS	0.5	1	ICPMS5	071014-3
7439-95-4	Magnesium	85	ug/L	U		P	85	1	TRACE2	101807-1
7439-96-5	Manganese	9.6	ug/L	B		P	2	1	TRACE2	101807-1
7439-97-6	Mercury	0.030	ug/L	U		AV	0.03	1	MER536	102307W1-2
7440-02-0	Nickel	7	ug/L	B		P	1	1	TRACE2	101807-1
7440-09-7	Potassium	50	ug/L	U		P	50	1	TRACE2	101807-1
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS5	071014-3
7440-22-4	Silver	1	ug/L	U		P	1	1	TRACE2	101807-1
7440-23-5	Sodium	3060	ug/L	B		P	45	1	TRACE2	101807-1
7440-28-0	Thallium	0.340	ug/L	B		MS	0.3	1	ICPMS5	071014-3
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	TRACE2	101807-1
7440-62-2	Vanadium	1.4	ug/L	B		P	1	1	TRACE2	101807-1
7440-66-6	Zinc	17.1	ug/L	B		P	2	1	TRACE2	101807-1

Building 498 Cleaning Facility
Sampled 10/3/07

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: December 20, 2007

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

Client Sample ID: 25179-005
Sample ID: 198878004
Matrix: Water
Collect Date: 05-DEC-07 09:50
Receive Date: 06-DEC-07 10:00
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25179
Samp Recv.:
Client Desc.: 1004/1002

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	U	0.769	1.54	5.49	mg/L		JXT1	12/07/07	1003	708910	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 002B(1004/1002)
Sampled 12/5/07

CHEMTEX

Environmental & Industrial Hygiene Services

3082 25th Street, Port Arthur, TX 77642

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

E-mail: chemtexpa@sbcglobal.net

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

Report Date: 11/26/07

Attn: **Mr. B. Lee**

AIHA Laboratory # 101478

nelap certificate # T104704239-07-TX

RESULTS OF ANALYSIS

PROJECT: ES SPDES

ATTACHMENT 1

Outfall 002 B
 Sampled 11/6/07

COC_num	Site-ID	Samp_type	Samp-ID	Samp_date	Samp_time	Rec_date	SDG	Lab_file-ID	Samp_depth	Flow_rate	Notes				
24946	1004/1002	W	P7110218	11/06/07	11:22	11/07/07		P7110218	0						
Cas_num	Name	Concen	Error	Det_limit	Units	Anal_date	Method	Lab_batch-ID	Ext_date	Dilution	Lab_qual	Lab_QCnotes	Rev_qual	Rev_conc	Rev_QCnotes
	H E D P as Organic Phosphorus	< 0.05		0.05	mg/l	11/14/07	EPA 365.3	P7110218							
	Inorganic Phosphorus	< 0.05		0.05	mg/l	11/14/07	EPA 365.3								
	Total Phosphorus	< 0.05		0.05	mg/l	11/14/07	EPA 365.3								
	Tolyltriazole(TTA)	< 0.005		0.005	mg/l	11/19/07	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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 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: December 20, 2007

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

Client Sample ID: 25179-003
Sample ID: 198878003
Matrix: Water
Collect Date: 05-DEC-07 09:55
Receive Date: 06-DEC-07 10:00
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25179
Samp Recv.:
Client Desc.: HN

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		6.33	1.43	5.11	mg/L		JXT1	12/07/07	1003	708910	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 002 (HN)
Sampled 12/5/07

Volatile
Certificate of Analysis
Sample Summary

SDG Number: 194944	Date Collected: 10/02/2007 14:00	Matrix: WATER
Lab Sample ID: 194944003	Date Received: 10/03/2007 09:30	
Client Sample: HN	Client: BRKL005	Project: BRKL00504
Client ID: 24838-003	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 690305	Inst: VOA9.I	Dilution: 1
Run Date: 10/06/2007 15:32	Analyst: GRB2	Purge Vol: 5 mL
Prep Date: 10/06/2007 15:32		
Data File: 9e626.d	Column: RTX-Volatiles	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	2.85	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	1.60	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	1.57	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 (HN)
Sampled 10/2/07

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 194944

METHOD TYPE: SW846

SAMPLE ID: 194944004

CLIENT ID: 24838-004

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 03-OCT-07

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>MDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	68	ug/L	U		P	68	1	TRACE2	101807-1
7440-36-0	Antimony	3	ug/L	U		P	3	1	TRACE2	101807-1
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS5	071014-3
7440-39-3	Barium	14.2	ug/L	B		P	1	1	TRACE2	101807-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	TRACE2	101807-1
7440-43-9	Cadmium	1	ug/L	U		P	1	1	TRACE2	101807-1
7440-70-2	Calcium	7190	ug/L			P	30	1	TRACE2	101807-1
7440-47-3	Chromium	1	ug/L	U		P	1	1	TRACE2	101807-1
7440-48-4	Cobalt	3.4	ug/L	B		P	1	1	TRACE2	101807-1
7440-50-8	Copper	3.5	ug/L	B		P	3	1	TRACE2	101807-1
7439-89-6	Iron	119	ug/L			P	25	1	TRACE2	101807-1
7439-92-1	Lead	0.50	ug/L	U		MS	0.5	1	ICPMS5	071014-3
7439-95-4	Magnesium	2650	ug/L	B		P	85	1	TRACE2	101807-1
7439-96-5	Manganese	23.4	ug/L			P	2	1	TRACE2	101807-1
7439-97-6	Mercury	0.030	ug/L	U		AV	0.03	1	MER536	102307W1-2
7440-02-0	Nickel	2.4	ug/L	B		P	1	1	TRACE2	101807-1
7440-09-7	Potassium	945	ug/L	B		P	50	1	TRACE2	101807-1
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS5	071014-3
7440-22-4	Silver	1	ug/L	U		P	1	1	TRACE2	101807-1
7440-23-5	Sodium	19500	ug/L			P	45	1	TRACE2	101807-1
7440-28-0	Thallium	0.30	ug/L	U		MS	0.3	1	ICPMS5	071014-3
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	TRACE2	101807-1
7440-62-2	Vanadium	1	ug/L	U		P	1	1	TRACE2	101807-1
7440-66-6	Zinc	12.4	ug/L	B		P	2	1	TRACE2	101807-1

Outfall 002 (HW) - Filtered
Sampled 10/2/07

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 194944

METHOD TYPE: SW846

SAMPLE ID: 194944003

CLIENT ID: 24838-003

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 03-OCT-07

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>MDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	68	ug/L	U		P	68	1	TRACE2	101807-1
7440-36-0	Antimony	3	ug/L	U		P	3	1	TRACE2	101807-1
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS5	071014-3
7440-39-3	Barium	16.1	ug/L	B		P	1	1	TRACE2	101807-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	TRACE2	101807-1
7440-43-9	Cadmium	1	ug/L	U		P	1	1	TRACE2	101807-1
7440-70-2	Calcium	7180	ug/L			P	30	1	TRACE2	101807-1
7440-47-3	Chromium	1.3	ug/L	B		P	1	1	TRACE2	101807-1
7440-48-4	Cobalt	1.3	ug/L	B		P	1	1	TRACE2	101807-1
7440-50-8	Copper	5.6	ug/L	B		P	3	1	TRACE2	101807-1
7439-89-6	Iron	1030	ug/L			P	25	1	TRACE2	101807-1
7439-92-1	Lead	0.50	ug/L	U		MS	0.5	1	ICPMS5	071014-3
7439-95-4	Magnesium	2670	ug/L	B		P	85	1	TRACE2	101807-1
7439-96-5	Manganese	31.4	ug/L			P	2	1	TRACE2	101807-1
7439-97-6	Mercury	0.030	ug/L	U		AV	0.03	1	MER536	102307W1-2
7440-02-0	Nickel	1.4	ug/L	B		P	1	1	TRACE2	101807-1
7440-09-7	Potassium	891	ug/L	B		P	50	1	TRACE2	101807-1
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS5	071014-3
7440-22-4	Silver	1	ug/L	U		P	1	1	TRACE2	101807-1
7440-23-5	Sodium	19100	ug/L			P	45	1	TRACE2	101807-1
7440-28-0	Thallium	0.490	ug/L	B		MS	0.3	1	ICPMS5	071014-3
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	TRACE2	101807-1
7440-62-2	Vanadium	2.3	ug/L	B		P	1	1	TRACE2	101807-1
7440-66-6	Zinc	11.4	ug/L	B		P	2	1	TRACE2	101807-1

Outfall 002 (HW)
Sampled 10/2/07

CHEMTEX

Environmental & Industrial Hygiene Services

3082 25th Street, Port Arthur, TX 77642

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

E-mail: chemtexpa@sbcglobal.net

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

Report Date: 10/22/07

AIHA Laboratory # 101478

nelap certificate # T104704239-06-TX

RESULTS OF ANALYSIS
PROJECT: ES SPDES

Outfall 002 (HN)
 Sampled 10/11/07

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				
24869	HN	W	P7100504	10/11/07	14:35	10/13/07		P7100502	0						
Cas_num	Name	Concen	Error	Det_limit	Units	Anal_date	Method	Lab_batch-ID	Ext_date	Dilution	Lab_qual	Lab_QCnotes	Rev_qual	Rev_conc	Rev_QCnotes
	H E D P as Organic Phosphorus	< 0.05		0.05	mg/l	10/14/07	EPA 365.3	P7100504							
	Inorganic Phosphorus	< 0.05		0.05	mg/l	10/14/07	EPA 365.3								
	Total Phosphorus	0.09		0.05	mg/l	10/14/07	EPA 365.3								
	Tolyltriazole(TTA)	< 0.005		0.005	mg/l	10/16/07	SOP # O121-049								

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

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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

Report Date: December 26, 2007

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

Client Sample ID: 25206-001
Sample ID: 199694001
Matrix: Water
Collect Date: 14-DEC-07 14:30
Receive Date: 19-DEC-07 09:50
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25206
Samp Recv.:
Client Desc.: HS

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Oil & Grease Analysis Federal										
<i>EPA 1664A n-Hexane Extractable Material (Oil and G</i>										
Oil and Grease	J	2.73	1.37	4.88	mg/L		JXT1 12/20/07	1035	712820	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 005 (HS)
Sampled 12/14/07

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 194944

METHOD TYPE: SW846

SAMPLE ID: 194944005

CLIENT ID: 24838-005

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 03-OCT-07

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>MDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	68	ug/L	U		P	68	1	TRACE2	101807-1
7440-36-0	Antimony	6.6	ug/L	B		P	3	1	TRACE2	101807-1
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS5	071014-3
7440-39-3	Barium	17.4	ug/L	B		P	1	1	TRACE2	101807-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	TRACE2	101807-1
7440-43-9	Cadmium	1	ug/L	U		P	1	1	TRACE2	101807-1
7440-70-2	Calcium	7520	ug/L			P	30	1	TRACE2	101807-1
7440-47-3	Chromium	1	ug/L	U		P	1	1	TRACE2	101807-1
7440-48-4	Cobalt	1.3	ug/L	B		P	1	1	TRACE2	101807-1
7440-50-8	Copper	3	ug/L	U		P	3	1	TRACE2	101807-1
7439-89-6	Iron	91.6	ug/L	B		P	25	1	TRACE2	101807-1
7439-92-1	Lead	0.50	ug/L	U		MS	0.5	1	ICPMS5	071014-3
7439-95-4	Magnesium	2980	ug/L	B		P	85	1	TRACE2	101807-1
7439-96-5	Manganese	2.8	ug/L	B		P	2	1	TRACE2	101807-1
7439-97-6	Mercury	0.030	ug/L	U		AV	0.03	1	MER536	102307W1-2
7440-02-0	Nickel	1.1	ug/L	B		P	1	1	TRACE2	101807-1
7440-09-7	Potassium	1000	ug/L	B		P	50	1	TRACE2	101807-1
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS5	071014-3
7440-22-4	Silver	1	ug/L	U		P	1	1	TRACE2	101807-1
7440-23-5	Sodium	20600	ug/L			P	45	1	TRACE2	101807-1
7440-28-0	Thallium	0.30	ug/L	U		MS	0.3	1	ICPMS5	071014-3
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	TRACE2	101807-1
7440-62-2	Vanadium	2	ug/L	B		P	1	1	TRACE2	101807-1
7440-66-6	Zinc	5.9	ug/L	B		P	2	1	TRACE2	101807-1

Outfall 005 (HS)
Sampled 10/2/07

CHEMTEX

Environmental & Industrial Hygiene Services

3082 25th Street, Port Arthur, TX 77642

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

E-mail: chemtexpa@sbcglobal.net

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

Report Date: 10/22/07

Attn: **Mr. B. Lee**

AIHA Laboratory # 101478

nelap certificate # T104704239-06-TX

RESULTS OF ANALYSIS

PROJECT: ES SPDES

Outfall 005 (HS)
 Sampled 10/11/07

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	Lab_QCnotes	Rev_qual	Rev_conc	Rev_QCnotes
24869	HS	W	P7100505	10/11/07	15:10	10/13/07		P7100502	0						
Cas_num	Name	Concen	Error	Det_limit	Units	Anal_date	Method	Lab_batch-ID	Ext_date	Dilution	Lab_qual	Lab_QCnotes	Rev_qual	Rev_conc	Rev_QCnotes
	HEDP as Organic Phosphorus	< 0.05/ < 0.05*		0.05	mg/l	10/14/07	EPA 365.3	P7100505							
	Inorganic Phosphorus	< 0.05/ < 0.05*		0.05	mg/l	10/14/07	EPA 365.3								
	Total Phosphorus	< 0.05/ < 0.05*		0.05	mg/l	10/14/07	EPA 365.3								
	Tolyltriazole(TTA)	< 0.005		0.005	mg/l	10/16/07	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

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: December 20, 2007

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

Client Sample ID: 25179-001
Sample ID: 198878001
Matrix: Water
Collect Date: 05-DEC-07 10:05
Receive Date: 06-DEC-07 10:00
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25179
Samp Recv.:
Client Desc.: HT-W

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Oil & Grease Analysis Federal										
<i>EPA 1664A n-Hexane Extractable Material (Oil and G</i>										
Oil and Grease	U	0.500	1.40	5.00	mg/L		JXT1 12/07/07	0900	708910	1

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 006A (HT-W)
Sampled 12/5/07

CHEMTEX

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3082 25th Street, Port Arthur, TX 77642

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

E-mail: chemtexpa@sbcglobal.net

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

Report Date: 10/22/07

AIHA Laboratory # 101478

nelap certificate # T104704239-06-TX

RESULTS OF ANALYSIS

PROJECT: ES SPDES

Outfall 006A (HT-w)
 Sampled 10/11/07

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				
24869	HTW	W	P7100502	10/11/07	14:47	10/13/07		P7100502	0						
Cas_num	Name	Concen	Error	Det_limit	Units	Anal_date	Method	Lab_batch-ID	Ext_date	Dilution	Lab_qual	Lab_QCnotes	Rev_qual	Rev_conc	Rev_QCnotes
	HEDP as Organic Phosphorus	< 0.05		0.05	mg/l	10/14/07	EPA 365.3	P7100502							
	Inorganic Phosphorus	< 0.05		0.05	mg/l	10/14/07	EPA 365.3								
	Total Phosphorus	< 0.05		0.05	mg/l	10/14/07	EPA 365.3								
	Tolyltriazole(TTA)	< 0.005		0.005	mg/l	10/16/07	SOP # O121-049								

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

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 138 Cities Services Hwy. Sulphur, LA 70663 (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: December 20, 2007

Client Sample ID: 25179-002
Sample ID: 198878002
Matrix: Water
Collect Date: 05-DEC-07 10:00
Receive Date: 06-DEC-07 10:00
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25179
Samp Recv.:
Client Desc.: HT-E

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Oil & Grease Analysis Federal										
<i>EPA 1664A n-Hexane Extractable Material (Oil and G</i>										
Oil and Grease	U	0.600	1.40	5.00	mg/L		JXT1 12/07/07 0900	708910	1	

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 006B(HT-E)
Sampled 12/5/07

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E-mail: chemtexpa@sbcglobal.net

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

Report Date: 10/22/07

AIHA Laboratory # 101478

nelap certificate # T104704239-06-TX

RESULTS OF ANALYSIS

PROJECT: ES SPDES

Outfall 006B (HT-E)
 Sampled 10/11/07

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				
Cas_num	Name	Concen	Error	Det_limit	Units	Anal_date	Method	Lab_batch-ID	Ext_date	Dilution	Lab_qual	Lab_QCnotes	Rev_qual	Rev_conc	Rev_QCnotes
24869	HTE	W	P7100503	10/11/07	14:42	10/13/07		P7100502	0						
	HEDP as Organic Phosphorus	< 0.05		0.05	mg/l	10/14/07	EPA 365.3	P7100503							
	Inorganic Phosphorus	0.15		0.05	mg/l	10/14/07	EPA 365.3								
	Total Phosphorus	0.16		0.05	mg/l	10/14/07	EPA 365.3								
	Tolyltriazole(TTA)	< 0.005		0.005	mg/l	10/16/07	SOP # O121-049								

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

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 (337)626-2121 FAX (337)626-2126

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 196228

METHOD TYPE: SW846

SAMPLE ID: 196228001

CLIENT ID: 24885-001

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 23-OCT-07

LEVEL: Low %SOLIDS:

<u>CAS No</u>	<u>Analyte</u>	<u>Result</u>	<u>Units</u>	<u>C</u>	<u>Qual</u>	<u>M</u>	<u>MDL</u>	<u>DF</u>	<u>Instrument ID</u>	<u>Analytical Run</u>
7429-90-5	Aluminum	68	ug/L	U		P	68	1	OPTIMA1	102607-2
7440-36-0	Antimony	3	ug/L	U		P	3	1	OPTIMA1	102607-2
7440-38-2	Arsenic	2.5	ug/L	B		MS	1.5	1	ICPMS6	071024-3
7440-39-3	Barium	4.8	ug/L	B		P	1	1	OPTIMA1	102607-2
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA1	102607-2
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA1	102607-2
7440-70-2	Calcium	4540	ug/L	B		P	30	1	OPTIMA1	102607-2
7440-47-3	Chromium	1	ug/L	U		P	1	1	OPTIMA1	102607-2
7440-48-4	Cobalt	1.2	ug/L	B		P	1	1	OPTIMA1	102607-2
7440-50-8	Copper	3.3	ug/L	B		P	3	1	OPTIMA1	102607-2
7439-89-6	Iron	65.9	ug/L	B		P	25	1	OPTIMA1	102607-2
7439-92-1	Lead	0.50	ug/L	U		MS	0.5	1	ICPMS6	071024-3
7439-95-4	Magnesium	937	ug/L	B		P	85	1	OPTIMA1	102607-2
7439-96-5	Manganese	6.6	ug/L	B		P	2	1	OPTIMA1	102607-2
7439-97-6	Mercury	0.030	ug/L	U		AV	0.03	1	MER536	102507W1-1
7440-02-0	Nickel	1	ug/L	U		P	1	1	OPTIMA1	102607-2
7440-09-7	Potassium	495	ug/L	B		P	50	1	OPTIMA1	102607-2
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS6	071024-3
7440-22-4	Silver	1	ug/L	U		P	1	1	OPTIMA1	102607-2
7440-23-5	Sodium	2810	ug/L	B		P	45	1	OPTIMA1	102607-2
7440-28-0	Thallium	0.690	ug/L	B		MS	0.3	1	ICPMS6	071024-3
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA1	102607-2
7440-62-2	Vanadium	4	ug/L	B		P	1	1	OPTIMA1	102607-2
7440-66-6	Zinc	8.7	ug/L	B		P	2	1	OPTIMA1	102607-2

Outfall 008 (HW)
sampled 10/19/07