



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

July 23, 2007

New York State Department of  
Environmental Conservation  
Division of Water  
Bureau of Wastewater Facilities Operation  
625 Broadway, 4<sup>th</sup> Floor  
Albany, NY 12233-3506

Gentlemen:

**SUBJECT: State Pollutant Discharge Elimination System (SPDES) NY-0005835  
Brookhaven National Laboratory (BNL) Discharge Monitoring Report (DMR)  
for June 2007**

In accordance with our SPDES permit (NY-0005835), enclosed as Attachment I, please find the DMR for the month of June 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 tolytriazole, hydroxyethylidene diphosphonic acid, and polypropylene glycol monobutyl ether. These laboratories are certified by the New York State Department of Health. Field measured parameters (pH, settleable solids, flow) are recorded and/or measured by BNL. Copies of the analytical reports will be retained in our files and will be made available upon request.

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

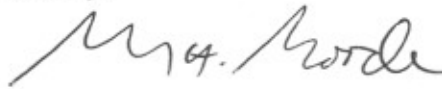
Collection and analysis of these samples are performed in accordance with the BNL Quality Assurance (QA) Program that specifies the standard operating procedures for collection and analysis of samples, QA data requirements, validation of contractor analytical data, and QA inspections performed periodically on contractor laboratories. All QA data, data validation reports, contractor laboratory assessment, and audit reports are available upon request. Based on this information, we believe the values reported on the DMR are representative of the effluent from BNL during the month of June 2007.



Registered to  
ISO 14001

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

Sincerely,



George A. Goode  
Environmental & Waste Management Services  
Division Manager

GAG/JR:djp

- Attachment I: Discharge Monitoring Report for June 2007.
- Attachment II: Analytical Results from H2M Labs Inc. and General Engineering Laboratories, LLC for samples collected on 6/11/07, 6/13/07, and 6/15/07 from Outfall 001 (BNL Use Only).
- Attachment III: Analytical Results from General Engineering Laboratories, LLC and CHEMTEX Environmental Laboratory, Inc. for samples collected from Outfalls 001A, 001B, 001F, 002, 002B, 005, 006A, 006B, 008, and 010 (BNL Use Only).

cc: M. Bebon, w/o Attachments  
G. Goode, w/o Attachments  
M. Holland, w/o Attachments  
C. Kao, w/all Attachments  
E. Lessard, w/ all Attachments  
E. Murphy, w/ all Attachments  
J. Remien, w/ all Attachments  
R. Sorrentino, NYSDEC, w/ Attachment I  
J. Tarpinian, w/o Attachments  
W. Chaloupka, w/ all Attachments  
G. Granzen, w/ all Attachments  
C. Johnson, w/o Attachments  
R. Lee, w/ all Attachments  
D. Lowenstein, w/o Attachments  
V. Radeka, w/ all Attachments  
E. Governale, SCDHS, w/ Attachment I  
R. Backofen, w/o Attachments  
R. Izzo, w/ all Attachments

File: EC62ER.07

**Brookhaven National Laboratory**  
**SPDES Permit No. NY0005835**  
**Discharge Monitoring Report for June 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. There was no discharge from Outfall 008 during this reporting period.
3. There was no discharge from Outfall 010 during this reporting period.
4. PCBs were not detected above the detection limit for any congener. Total PCBs have been reported as less than the maximum of the individual detection limits achieved. Although BNL requested an MDL of 0.065  $\mu\text{g/L}$ , the analytical laboratory incorrectly logged in the PCB samples with a higher MDL than requested. Therefore the 0.065  $\mu\text{g/L}$  MDL could not be met.
5. 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.
6. There was no discharge from Outfall 002B during this reporting period.



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

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

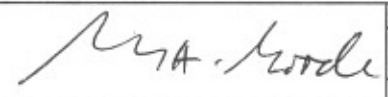
NY0005835	001A
PERMIT NUMBER	DISCHARGE NUMBER

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	04	01	07	06	30

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	1150	*****		*****	*****	*****		0	03/90	RC
	PERMIT REQUIREMENT	Req. Mon. DAILY AV	*****	gal/d	*****	*****	*****			Quarterly	RCORDR
pH 00400 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		6.3	*****	6.3		0	01/90	GR
	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		
			2007	07	24
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	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.

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DISCHARGE MONITORING REPORT (DMR)**

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

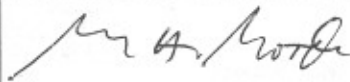
NY0005835	001B
PERMIT NUMBER	DISCHARGE NUMBER

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	04	01	07	06	30

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	140	*****		*****	*****	*****		0	01/90	RC
00056 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	*****	gal/d	*****	*****				Quarterly	RCORDR
pH	SAMPLE MEASUREMENT	*****	*****		8.3	*****	8.3		0	01/90	GR
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		Req. Mon. MINIMUM	*****	Req. Mon. MAXIMUM	SU		Quarterly	GRAB
Chromium, total (as Cr)	SEE NOTE #1 SAMPLE MEASUREMENT	*****	*****		*****	*****	3.1		0	01/90	GR
01034 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****			*****	Req. Mon. DAILY MX	ug/L		Quarterly	GRAB
Copper, total (as Cu)	SEE NOTE #1 SAMPLE MEASUREMENT	*****	*****		*****	*****	19		0	01/90	GR
01042 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	Req. Mon. DAILY MX	ug/L		Quarterly	GRAB
Iron, total (as Fe)	SEE NOTE #1 SAMPLE MEASUREMENT	*****	*****		*****	*****	87.6		0	01/90	GR
01045 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	Req. Mon. DAILY MX	ug/L		Quarterly	GRAB
Managanese, total (as Mn)	SEE NOTE #1 SAMPLE MEASUREMENT	*****	*****		*****	*****	2.9		0	01/90	GR
01055 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	Req. Mon. DAILY MX	ug/L		Quarterly	GRAB
Nickel, total (as Ni)	SEE NOTE #1 SAMPLE MEASUREMENT	*****	*****		*****	*****	2.6		0	01/90	GR
01067 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	Req. Mon. DAILY MX	ug/L		Quarterly	GRAB

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	DATE			
George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed			2007	07	24
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	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

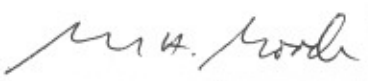
NY0005835	001B
PERMIT NUMBER	DISCHARGE NUMBER

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	04	01	07	06	30

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)	SEE NOTE #1	SAMPLE MEASUREMENT	*****	*****		*****	*****	3.2		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	*****	*****		*****	*****	4.6		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

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			2007	07	24
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	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

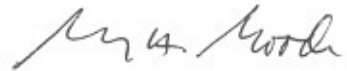
DMR MAILING ZIP CODE: 11973  
MAJOR (SUBR 01)  
RF(1004) & BRAHMS(1002) BLOWDN  
External Outfall

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	06	01	07	06	30

No Discharge

**X**

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SEE NOTE #6	SAMPLE MEASUREMENT	*****	*****		*****			0		
00400 1 0 Effluent Gross		PERMIT REQUIREMENT	*****	*****	Req. Mon. MINIMUM	*****	9 MAXIMUM	SU		Once Per Month	GRAB
Oil & grease	SEE NOTE #6	SAMPLE MEASUREMENT	*****	*****	*****	*****			0		
00556 1 0 Effluent Gross		PERMIT REQUIREMENT	*****	*****	*****	*****	15 DAILY MX	mg/L		Once Per Month	GRAB
Flow, in conduit or thru treatment plant	SEE NOTE #6	SAMPLE MEASUREMENT	*****		*****	*****	*****		0		
50050 1 0 Effluent Gross		PERMIT REQUIREMENT	*****	Req. Mon. DAILY MX	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				
			2007	07	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 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

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	04	01	07	06	30

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	*****	*****	*****	*****	*****				
00056 1 0 Effluent Gross		PERMIT REQUIREMENT	Req. Mon. DAILY AV	*****	gal/d	*****	*****	*****		Quarterly	RCODR
pH	SEE NOTE #5	SAMPLE MEASUREMENT	*****	*****		*****					
00400 1 0 Effluent Gross		PERMIT REQUIREMENT	*****	*****	Req. Mon. MINIMUM	*****	Req. Mon. MAXIMUM	SU		Quarterly	GRAB
Nitrogen, total (as N)	SEE NOTE #5	SAMPLE MEASUREMENT	*****	*****	*****	*****					
00600 1 0 Effluent Gross		PERMIT REQUIREMENT	*****	*****		*****	Req. Mon. DAILY MX	ug/L		Quarterly	GRAB
Cyanide, total (as CN)	SEE NOTE #5	SAMPLE MEASUREMENT	*****	*****	*****	*****					
00720 1 0 Effluent Gross		PERMIT REQUIREMENT	*****	*****		*****	Req. Mon. DAILY MX	ug/L		Quarterly	GRAB
Silver, total (as Ag)	SEE NOTE #5	SAMPLE MEASUREMENT	*****	*****	*****	*****					
01077 1 0 Effluent Gross		PERMIT REQUIREMENT	*****	*****		*****	Req. Mon. DAILY MX	ug/L		Quarterly	GRAB
Phenolics, total recoverable	SEE NOTE #5	SAMPLE MEASUREMENT	*****	*****	*****	*****					
32730 1 0 Effluent Gross		PERMIT REQUIREMENT	*****	*****		*****	Req. Mon. DAILY MX	ug/L		Quarterly	GRAB

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			2007	07	24
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	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  
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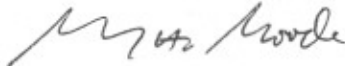
NY0005835	001E
PERMIT NUMBER	DISCHARGE NUMBER

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	04	01	07	06	30

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	57	*****		*****	*****	*****		0	16/90	RC
00056 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	*****	gal/d	*****	*****	*****			Quarterly	RCORDR
pH	SAMPLE MEASUREMENT	*****	*****		9.0	*****	9.5		0	16/90	GR
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		Req. Mon. MINIMUM	*****	Req. Mon. MAXIMUM	SU		Quarterly	GRAB

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			2007	07	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)

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

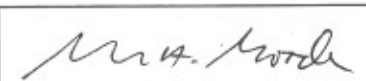
NY0005835	001F
PERMIT NUMBER	DISCHARGE NUMBER

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	04	01	07	06	30

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	2660	*****		*****	*****	*****		0	03/90	RC
00056 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	*****	gal/d	*****	*****	*****			Quarterly	RCORDR
pH	SAMPLE MEASUREMENT	*****	*****		8.3	*****	8.3		0	01/90	GR
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		Req. Mon. MINIMUM	*****	Req. Mon. MAXIMUM	SU		Quarterly	GRAB
Propylene glycol monobutyl ether	SAMPLE MEASUREMENT	*****	*****		*****	*****	<500		0	01/90	GR
49875 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				
			2007	07	27	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.

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

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

Page 8

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

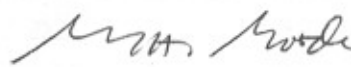
NY0005835	001M
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	06	01	07	06	30

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	*****	*****		*****	*****	75		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	*****	*****		6.4	*****	7.0		0	01/01	GR
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		5.8 MINIMUM	*****	9 MAXIMUM	SU		Daily	GRAB
Solids, total suspended	SAMPLE MEASUREMENT	*****	*****		*****	<0.8	1.3		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	*****	*****		*****	*****	8.1		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	*****	*****		*****	*****	0.4		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		
				
		2007	07	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.

Page 8

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

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

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

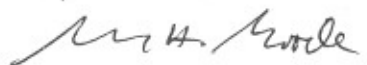
NY0005835	001M
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	06	01	07	06	30

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	*****	*****		*****	*****	1.6		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	*****	*****		*****	*****	<1.5		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	*****	*****		*****	*****	0.23		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)	SEE NOTE #1 SAMPLE MEASUREMENT	*****	*****		*****	*****	0.0078		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)	SEE NOTE #1 SAMPLE MEASUREMENT	*****	*****		*****	*****	0.016		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	*****	*****		*****	*****	<0.001		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.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	DATE		
			2007	07	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 EXFILTR FROM SFBS. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS, AND REQUIREMENTS.

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

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

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


NY0005835	001M
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	06	01	07	06	30

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	*****	*****		*****	*****	0.06		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	*****	*****		*****	*****	3		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	0.33	0.43		*****	*****	*****		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)	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		
				
		2007	07	24
		YEAR	MO	DAY
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE		
		631-344-4540		

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 11


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	06	01	07	06	30

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	SAMPLE MEASUREMENT	*****	*****		*****	*****	<5		0	03/30	GR
78356 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	50 DAILY MX	ug/L		Twice Per Month	GRAB
BOD, 5-day, percent removal	SAMPLE MEASUREMENT	*****	*****		>96	*****	*****		0	01/30	CA
81010 K 0 Percent Removal	PERMIT REQUIREMENT	*****	*****		85 MO AV MN	*****	*****	%		Once Per Month	CALCTD
Solids, suspended percent removal	SAMPLE MEASUREMENT	*****	*****		>99	*****	*****		0	01/30	CA
81011 K 0 Percent Removal	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		
			2007	07	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.

Page 11

**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 12


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	06	01	07	06	30

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	*****	*****		7.1	*****	8.0		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	*****	*****		*****	*****	<0.88		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	0.17	*****		*****	*****	*****		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.		DATE		
			2007	07	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)

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

Page 12

**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 13

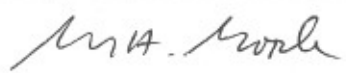
NY0005835	005M
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	06	01	07	06	30

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	*****	*****		7.4	*****	7.7		0	04/30	GR
	PERMIT REQUIREMENT	*****	*****		Req. Mon. MINIMUM	*****	8.5 MAXIMUM	SU		Once Per Month	GRAB
00400 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		*****	*****	<0.88		0	01/30	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	15 DAILY MX	mg/L		Once Per Month	GRAB
Oil & grease	SAMPLE MEASUREMENT	0.16	*****		*****	*****	*****		0	04/30	RC
	PERMIT REQUIREMENT	Req. Mon. DAILY AV	*****	Mgal/d	*****	*****	*****			Once Per Month	RCORDR
50050 1 0 Effluent Gross	Flow, in conduit or thru treatment plant										

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		
			2007	07	24
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE 631-344-4549		

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

**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	05	01	07	06	30

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	*****	560000		*****	*****	*****		0	19/30	IN
00056 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	Req. Mon. DAILY MX	gal/d	*****	*****	*****			Once Per Month	INSTAN
pH	SAMPLE MEASUREMENT	*****	*****		6.6	*****	6.6		0	01/30	GR
00400 1 0 Effluent Gross	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		
			2007	07	24
			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

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	06	01	07	06	30

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 #2	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 #2	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 #2	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 #2	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 #2	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		
			2007	07	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

NY0005835	010M
PERMIT NUMBER	DISCHARGE NUMBER

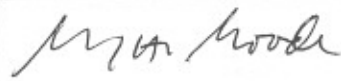
MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	06	01	07	06	30

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

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 #3	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 #3	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 #3	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.		DATE		
			2007	07	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)  
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	06	01	07	06	30

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	*****	*****		7.4	*****	8.0		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	*****	*****		*****	*****	<0.88		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.		DATE		
			2007	07	24
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE 631-344-4540		

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

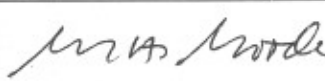
NY0005835	06BM
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	05	01	07	05	30

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH	SAMPLE MEASUREMENT	*****	*****		7.4	*****	8.1		0	04/30	GR
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		Req. Mon. MINIMUM	*****	9 MAXIMUM	SU		Once Per Month	GRAB
Oil & grease	SAMPLE MEASUREMENT	*****	*****		*****	*****	1.5		0	01/30	GR
00556 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	15 DAILY MX	mg/L		Once Per Month	GRAB
Flow, in conduit or thru treatment plant	SAMPLE MEASUREMENT	0.05	*****		*****	*****	*****		0	04/30	RC
50050 1 0 Effluent Gross	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.	DATE		
				
		2007	07	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)  
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

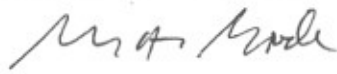
NY0005835	001Q
PERMIT NUMBER	DISCHARGE NUMBER

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	04	01	07	06	30

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)	SAMPLE MEASUREMENT	*****	*****		*****	*****	<0.5		0	03/90	GR
39516 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				
			2007	07	24	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

Page 20


NY0005835	002Q
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	04	01	07	06	30

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	SAMPLE MEASUREMENT	*****	*****		*****	*****	<1		0	01/90	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	50 DAILY MX	ug/L		Quarterly	GRAB
Chloroform 32106 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		*****	*****	<1		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.		DATE		
			2007	07	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)

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.

Page 20

**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	04	01	07	06	30

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)	SEE NOTE #1	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		
			2007	07	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

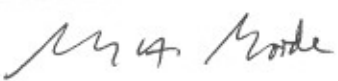
NY0005835	008Q
PERMIT NUMBER	DISCHARGE NUMBER

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	04	01	07	06	30

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)	SEE NOTE #1	*****	*****		*****	*****	0.09		0	01/90	GR
01106 1 0 Effluent Gross	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		
			2007	07	24
			YEAR	MO	DAY
			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

Page 23

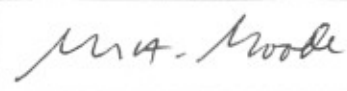
NY0005835	010Q
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	04	01	07	06	30

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	*****	*****		*****	*****	0.008		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	*****	*****		*****	*****	0.0020		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	*****	*****		*****	*****	0.007		0	01/90	GR
		PERMIT REQUIREMENT	*****	*****		*****	*****	REPORT DAILY MX	mg/L		Quarterly	GRAB
Aluminum, dissolved (as Al) 01106 1 0 Effluent Gross		SAMPLE MEASUREMENT	*****	*****		*****	*****	0.3		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.		DATE		
			2007	07	24
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	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	06AQ
PERMIT NUMBER	DISCHARGE NUMBER

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	04	01	07	06	30

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.		DATE		
			2007	07	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)  
 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)

Page 25

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

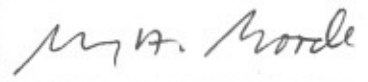
NY0005835	06BQ
PERMIT NUMBER	DISCHARGE NUMBER

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	04	01	07	06	30

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	*****	*****		*****	*****	0.06		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				
			2007	07	24	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

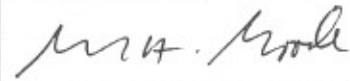
NY0005835	002R
PERMIT NUMBER	DISCHARGE NUMBER

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	04	01	07	06	30

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				
			2007	07	24	TELEPHONE	
			YEAR	MO	DAY	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 JUNE 2007**

**ANALYTICAL RESULTS FROM H2M LABS**

**AND GENERAL ENGINEERING LABORATORIES, LLC**

**FOR REGULATORY COMPLIANCE SAMPLES COLLECTED**

**6/11/07, 6/13/07, and 6/15/07**

**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. : 0706760-001A

Sample Information...

Type : Aqueous

Origin:

Client ID. : 24343-001

Collected : 6/11/2007 11:35:00 AM

Received : 6/11/2007 3:15:00 PM

Collected By : CLIENT

Copy : Original

CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Asbestos (See Attached)	< 0.20		1	MFL	E100.2	06/15/2007
Biochemical Oxygen Demand	< 2		1	mg/L	E405.1	06/13/2007 10:50 AM
MBAS	< 0.04		1	mg/L	E425.1	06/12/2007 8:16 AM
Nitrite as N	< 0.01		1	mg/L	E353.2	06/12/2007 2:01 PM

Outfall 001  
sampled 6/4/07  
24 hour composite

Qualifiers: E - Value above quantitation range

D - Results for Dilution

D.F. = Dilution Factor

Date Reported :

*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. : 0706760-001B

Sample Information...  
Type : Aqueous

Origin:

Client ID. : 24343-001

Collected : 6/11/2007 11:35:00 AM  
Received : 6/11/2007 3:15:00 PM  
Collected By : CLIENT  
Copy : Original  
CC

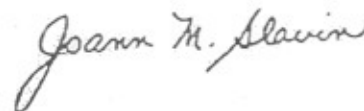
Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Nitrogen, Total	6.0		1	mg/L	M4500-N C	06/15/2007
Nitrogen, Ammonia (As N)	< 0.10		1	mg/L	E350.1	06/15/2007 10:03 AM
Nitrate as N	5.07		5	mg/L	E353.2	06/12/2007 12:33 PM
Nitrogen, Kjeldahl, Total	0.97		1	mg/L	E351.2	06/15/2007 3:01 PM

Outfall 001  
Sampled 6/11/07  
24 hour composite

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

D.F. = Dilution Factor

Date Reported :



Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

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

Lab No. : 0706907-001

Sample Information...  
Type : Aqueous

Origin:

Client ID. : 24363-001

Collected : 6/13/2007 10:50:00 AM  
Received : 6/13/2007 3:30:00 PM  
Collected By CLIENT  
Copies To : Original  
CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Asbestos (See Attached)	< 0.17		1	MFL	E100.2	06/15/2007
Biochemical Oxygen Demand	< 2		1	mg/L	E405.1	06/14/2007 12:40 PM
Chemical Oxygen Demand	< 10		1	mg/L	E410.4	06/19/2007 2:11 PM
MBAS	< 0.04		1	mg/L	E425.1	06/14/2007 10:30 AM
Nitrogen, Total	6.9		1	mg/L	M4500-N C	06/19/2007
Nitrogen, Ammonia (As N)	< 0.10		1	mg/L	E350.1	06/15/2007 10:18 AM
Nitrite as N	< 0.01		1	mg/L	E353.2	06/14/2007 1:55 PM
Nitrate as N	6.00		10	mg/L	E353.2	06/18/2007 12:20 PM
Total Dissolved Solids	207		1	mg/L	E160.1	06/18/2007 2:54 PM
Nitrogen, Kjeldahl, Total	0.92		1	mg/L	E351.2	06/15/2007 3:07 PM

Outfall 001  
Sampled 6/13/07  
24 hour composite

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

D.F. = Dilution Factor

Date Reported :

*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. : 0707008-001

Sample Information...  
Type : Aqueous

Origin:

Client ID. : 24366-001

Collected : 6/15/2007 10:30:00 AM  
Received : 6/15/2007 3:30:00 PM  
Collected By : CLIENT  
Copies To : Original  
CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Biochemical Oxygen Demand	< 2		1	mg/L	E405.1	06/15/2007 4:30 PM
Chemical Oxygen Demand	15.5		1	mg/L	E410.4	06/19/2007 2:13 PM
MBAS	< 0.04		1	mg/L	E425.1	06/15/2007 4:57 PM
Nitrogen, Total	8.1		1	mg/L	M4500-N C	06/20/2007
Nitrogen, Ammonia (As N)	0.39		1	mg/L	E350.1	06/20/2007 10:18 AM
Nitrite as N	< 0.01		1	mg/L	E353.2	06/15/2007 5:17 PM
Nitrate as N	7.14		10	mg/L	E353.2	06/18/2007 12:22 PM
Total Dissolved Solids	219		1	mg/L	E160.1	06/18/2007 2:58 PM
Nitrogen, Kjeldahl, Total	0.99		1	mg/L	E351.2	06/20/2007 12:22 PM

Outfall 001  
Sampled 6/15/07  
24 hour composite

Qualifiers: E - Value above quantitation range

Q - Results for Dilution

D.F. = Dilution Factor

Date Reported : 6/26/2007

*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. : 0706760-002A

Sample Information...  
Type : Aqueous

Origin:

Client ID. : 24343-002

Collected : 6/11/2007 2:00:00 PM  
Received : 6/11/2007 3:15:00 PM  
Collected By : CLIENT  
Copy : Original  
CC

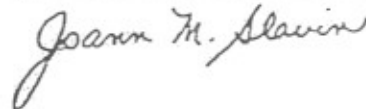
Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Total Coliform	< 2		1	MPN	M9221 BC	06/11/2007 4:00 PM
Fecal Coliform	< 2		1	MPN	M9221 BC	06/11/2007 4:00 PM

Outfall 001  
Sampled 6/4/07  
Grab

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

D.F. = Dilution Factor

Date Reported :



Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

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

Lab No. : 0706907-002

Sample Information...  
Type : Aqueous

Origin:

Client ID. : 24363-002

Collected : 6/13/2007 1:00:00 PM  
Received : 6/13/2007 3:30:00 PM  
Collected By : CLIENT  
Copies To : Original  
CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Total Coliform	2		1	MPN	M9221 BC	06/13/2007 4:15 PM
Fecal Coliform	< 2		1	MPN	M9221 BC	06/13/2007 4:15 PM

Outfall 001  
Sampled 6/13/07  
Grab

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

D.F. = Dilution Factor

Date Reported :

*Joann M. Slavin*

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. : 0707008-002

Sample Information...  
Type : Aqueous

Origin:

Client ID. : 24366-002

Collected : 6/15/2007 1:20:00 PM  
Received : 6/15/2007 3:30:00 PM  
Collected By CLIENT  
Copies To : Original  
CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Total Coliform	< 2		1	MPN	M9221 BC	06/15/2007 3:45 PM
Fecal Coliform	< 2		1	MPN	M9221 BC	06/15/2007 3:45 PM

Outfall 001  
Sampled 6/15/07  
Grab

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

D.F. = Dilution Factor

Date Reported : 6/26/2007

*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. : 0706760-003A

Sample Information...  
Type : Aqueous

Origin:

Client ID. : 24343-003

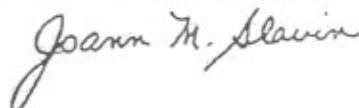
Collected : 6/11/2007 12:22:00 PM  
Received : 6/11/2007 3:15:00 PM  
Collected By : CLIENT  
Copy : Original  
CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Biochemical Oxygen Demand	29		1	mg/L	E405.1	06/13/2007 11:00 AM

STP Influent  
Sampled 6/11/07  
24 hour composite

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

Date Reported :



Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

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

Lab No. : 0706907-003

Sample Information...  
Type : Aqueous

Origin:

Client ID. : 24363-003

Collected : 6/13/2007 11:40:00 AM  
Received : 6/13/2007 3:30:00 PM  
Collected By CLIENT  
Copies To : Original  
CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Biochemical Oxygen Demand	55		1	mg/L	E405.1	06/14/2007 12:45 PM

STP Influent  
sampled 6/13/07  
24 hour composite

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

D.F. = Dilution Factor

Date Reported :

*Joann M. Slavine*

Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

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

Lab No. : 0707008-003

Sample Information...  
Type : Aqueous

Origin:

Client ID. : 24366-003

Collected : 6/15/2007 11:00:00 AM  
Received : 6/15/2007 3:30:00 PM  
Collected By CLIENT  
Copies To : Original  
CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Biochemical Oxygen Demand	56		1	mg/L	E405.1	06/15/2007 4:35 PM

STP Influent  
Sampled 6/15/07  
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 6/26/2007

*Joann M. Slavin*

Laboratory Manager

Volatile  
Certificate of Analysis  
Sample Summary

Page 1 of 1

SDG Number: 187642	Date Collected: 06/11/2007 14:00	Matrix: WATER
Lab Sample ID: 187642002	Date Received: 06/12/2007 09:30	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 24342-002	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 642294	Inst: VOA1.I	Dilution: 1
Run Date: 06/13/2007 12:22	Analyst: YSI	Purge Vol: 5 mL
Prep Date: 06/13/2007 12:22		
Data File: 1o261.d	Column: RTX-Volatiles	Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
74-87-3	Chloromethane	U	1.00	ug/L	0.500	1.00
75-01-4	Vinyl chloride	U	1.00	ug/L	0.500	1.00
74-83-9	Bromomethane	U	1.00	ug/L	0.500	1.00
75-00-3	Chloroethane	U	1.00	ug/L	0.500	1.00
75-69-4	Trichlorofluoromethane	U	1.00	ug/L	0.310	1.00
67-64-1	Acetone	BJ	1.75	ug/L	1.25	5.00
75-05-8	Acetonitrile	U	25.0	ug/L	6.25	25.0
75-35-4	1,1-Dichloroethylene	U	1.00	ug/L	0.300	1.00
75-09-2	Methylene chloride	U	2.00	ug/L	2.00	2.00
1634-04-4	tert-Butyl methyl ether	U	5.00	ug/L	0.250	5.00
156-60-5	trans-1,2-Dichloroethylene	U	1.00	ug/L	0.300	1.00
75-34-3	1,1-Dichloroethane	U	1.00	ug/L	0.300	1.00
78-93-3	2-Butanone	U	5.00	ug/L	1.25	5.00
67-66-3	Chloroform	U	1.00	ug/L	0.250	1.00
71-55-6	1,1,1-Trichloroethane	U	1.00	ug/L	0.300	1.00
56-23-5	Carbon tetrachloride	U	1.00	ug/L	0.250	1.00
107-06-2	1,2-Dichloroethane	U	1.00	ug/L	0.250	1.00
71-43-2	Benzene	U	1.00	ug/L	0.300	1.00
79-01-6	Trichloroethylene	U	1.00	ug/L	0.250	1.00
78-87-5	1,2-Dichloropropane	U	1.00	ug/L	0.250	1.00
75-27-4	Bromodichloromethane	U	1.00	ug/L	0.250	1.00
110-75-8	2-Chloroethylvinyl ether	U	5.00	ug/L	1.50	5.00
108-10-1	4-Methyl-2-pentanone	U	5.00	ug/L	1.25	5.00
10061-01-5	cis-1,3-Dichloropropylene	U	1.00	ug/L	0.250	1.00
108-88-3	Toluene	U	1.00	ug/L	0.250	1.00
10061-02-6	trans-1,3-Dichloropropylene	U	1.00	ug/L	0.250	1.00
79-00-5	1,1,2-Trichloroethane	U	1.00	ug/L	0.250	1.00
591-78-6	2-Hexanone	U	5.00	ug/L	1.25	5.00
127-18-4	Tetrachloroethylene	U	1.00	ug/L	0.250	1.00
124-48-1	Dibromochloromethane	U	1.00	ug/L	0.250	1.00
108-90-7	Chlorobenzene	U	1.00	ug/L	0.250	1.00
100-41-4	Ethylbenzene	U	1.00	ug/L	0.250	1.00
75-25-2	Bromoform	U	1.00	ug/L	0.250	1.00
79-34-5	1,1,2,2-Tetrachloroethane	U	1.00	ug/L	0.250	1.00
541-73-1	1,3-Dichlorobenzene	U	1.00	ug/L	0.250	1.00
106-46-7	1,4-Dichlorobenzene	U	1.00	ug/L	0.250	1.00
95-50-1	1,2-Dichlorobenzene	U	1.00	ug/L	0.250	1.00

Outfall 001  
Sampled 6/11/07  
Grab

Volatile  
Certificate of Analysis  
Sample Summary

SDG Number: 187901	Date Collected: 06/13/2007 13:00	Matrix: WATER
Lab Sample ID: 187901002	Date Received: 06/14/2007 10:15	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 24362-002	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 643482	Inst: VOA2.I	Dilution: 1
Run Date: 06/17/2007 16:27	Analyst: GRB2	Purge Vol: 5 mL
Prep Date: 06/17/2007 16:27		
Data File: 2o634.d	Column: DB-624	Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
74-87-3	Chloromethane	U	1.00	ug/L	0.500	1.00
75-01-4	Vinyl chloride	U	1.00	ug/L	0.500	1.00
74-83-9	Bromomethane	U	1.00	ug/L	0.500	1.00
75-00-3	Chloroethane	U	1.00	ug/L	0.500	1.00
75-69-4	Trichlorofluoromethane	U	1.00	ug/L	0.310	1.00
67-64-1	Acetone	J	3.22	ug/L	1.25	5.00
75-05-8	Acetonitrile	U	25.0	ug/L	6.25	25.0
75-35-4	1,1-Dichloroethylene	U	1.00	ug/L	0.300	1.00
75-09-2	Methylene chloride	U	2.00	ug/L	2.00	2.00
1634-04-4	tert-Butyl methyl ether	U	5.00	ug/L	0.250	5.00
156-60-5	trans-1,2-Dichloroethylene	U	1.00	ug/L	0.300	1.00
75-34-3	1,1-Dichloroethane	U	1.00	ug/L	0.300	1.00
78-93-3	2-Butanone	U	5.00	ug/L	1.25	5.00
67-66-3	Chloroform	U	1.00	ug/L	0.250	1.00
71-55-6	1,1,1-Trichloroethane	U	1.00	ug/L	0.300	1.00
56-23-5	Carbon tetrachloride	U	1.00	ug/L	0.250	1.00
107-06-2	1,2-Dichloroethane	U	1.00	ug/L	0.250	1.00
71-43-2	Benzene	U	1.00	ug/L	0.300	1.00
79-01-6	Trichloroethylene	U	1.00	ug/L	0.250	1.00
78-87-5	1,2-Dichloropropane	U	1.00	ug/L	0.250	1.00
75-27-4	Bromodichloromethane	U	1.00	ug/L	0.250	1.00
110-75-8	2-Chloroethylvinyl ether	U	5.00	ug/L	1.50	5.00
108-10-1	4-Methyl-2-pentanone	U	5.00	ug/L	1.25	5.00
10061-01-5	cis-1,3-Dichloropropylene	U	1.00	ug/L	0.250	1.00
108-88-3	Toluene	U	1.00	ug/L	0.250	1.00
10061-02-6	trans-1,3-Dichloropropylene	U	1.00	ug/L	0.250	1.00
79-00-5	1,1,2-Trichloroethane	U	1.00	ug/L	0.250	1.00
591-78-6	2-Hexanone	U	5.00	ug/L	1.25	5.00
127-18-4	Tetrachloroethylene	U	1.00	ug/L	0.250	1.00
124-48-1	Dibromochloromethane	U	1.00	ug/L	0.250	1.00
108-90-7	Chlorobenzene	U	1.00	ug/L	0.250	1.00
100-41-4	Ethylbenzene	U	1.00	ug/L	0.250	1.00
75-25-2	Bromoform	U	1.00	ug/L	0.250	1.00
79-34-5	1,1,2,2-Tetrachloroethane	U	1.00	ug/L	0.250	1.00
541-73-1	1,3-Dichlorobenzene	U	1.00	ug/L	0.250	1.00
106-46-7	1,4-Dichlorobenzene	U	1.00	ug/L	0.250	1.00
95-50-1	1,2-Dichlorobenzene	U	1.00	ug/L	0.250	1.00

Outfall 001  
Sampled 6/13/07  
Grab

Volatile  
Certificate of Analysis  
Sample Summary

SDG Number: 188062	Date Collected: 06/15/2007 13:20	Matrix: WATER
Lab Sample ID: 188062002	Date Received: 06/16/2007 09:30	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 24365-002	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 643482	Inst: VOA2.1	Dilution: 1
Run Date: 06/17/2007 17:24	Analyst: GRB2	Purge Vol: 5 mL
Prep Date: 06/17/2007 17:24		
Data File: 2o636.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		9.28	ug/L	1.25	5.00
75-05-8	Acetonitrile	U	25.0	ug/L	6.25	25.0
75-35-4	1,1-Dichloroethylene	U	1.00	ug/L	0.300	1.00
75-09-2	Methylene chloride		2.76	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	J	0.915	ug/L	0.250	1.00
71-43-2	Benzene	U	1.00	ug/L	0.300	1.00
79-01-6	Trichloroethylene	U	1.00	ug/L	0.250	1.00
78-87-5	1,2-Dichloropropane	U	1.00	ug/L	0.250	1.00
75-27-4	Bromodichloromethane	U	1.00	ug/L	0.250	1.00
110-75-8	2-Chloroethylvinyl ether	U	5.00	ug/L	1.50	5.00
108-10-1	4-Methyl-2-pentanone	U	5.00	ug/L	1.25	5.00
10061-01-5	cis-1,3-Dichloropropylene	U	1.00	ug/L	0.250	1.00
108-88-3	Toluene	U	1.00	ug/L	0.250	1.00
10061-02-6	trans-1,3-Dichloropropylene	U	1.00	ug/L	0.250	1.00
79-00-5	1,1,2-Trichloroethane	U	1.00	ug/L	0.250	1.00
591-78-6	2-Hexanone	U	5.00	ug/L	1.25	5.00
127-18-4	Tetrachloroethylene	U	1.00	ug/L	0.250	1.00
124-48-1	Dibromochloromethane	U	1.00	ug/L	0.250	1.00
108-90-7	Chlorobenzene	U	1.00	ug/L	0.250	1.00
100-41-4	Ethylbenzene	U	1.00	ug/L	0.250	1.00
75-25-2	Bromoform	U	1.00	ug/L	0.250	1.00
79-34-5	1,1,2,2-Tetrachloroethane	U	1.00	ug/L	0.250	1.00
541-73-1	1,3-Dichlorobenzene	U	1.00	ug/L	0.250	1.00
106-46-7	1,4-Dichlorobenzene	U	1.00	ug/L	0.250	1.00
95-50-1	1,2-Dichlorobenzene	U	1.00	ug/L	0.250	1.00

outfall 001  
sampled 6/15/07  
Grab

Semi-Volatile  
Certificate of Analysis  
Sample Summary

SDG Number: 187642	Date Collected: 06/11/2007 11:35	Matrix: WATER
Lab Sample ID: 187642001	Date Received: 06/12/2007 09:30	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 24342-001	Method: EPA 625	SOP Ref: GL-OA-E-009
Batch ID: 642389	Inst: MSD8.I	Dilution: 1
Run Date: 06/14/2007 21:13	Analyst: NAG1	Inj. Vol: .5 uL
Prep Date: 06/13/2007 17:38	Aliquot: 1140 mL	Final Volume: 1 mL
Data File: s8f1425.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	8.77	ug/L	1.75	8.77	10.0
108-95-2	Phenol	U	8.77	ug/L	0.877	8.77	10.0
95-57-8	2-Chlorophenol	U	8.77	ug/L	1.75	8.77	10.0
106-46-7	1,4-Dichlorobenzene	U	8.77	ug/L	1.75	8.77	10.0
621-64-7	N-Nitrosodipropylamine	U	8.77	ug/L	1.75	8.77	10.0
59-50-7	4-Chloro-3-methylphenol	U	8.77	ug/L	1.75	8.77	10.0
83-32-9	Acenaphthene	U	0.877	ug/L	0.272	0.877	10.0
121-14-2	2,4-Dinitrotoluene	U	8.77	ug/L	1.75	8.77	10.0
100-02-7	4-Nitrophenol	U	8.77	ug/L	1.75	8.77	50.0
87-86-5	Pentachlorophenol	U	8.77	ug/L	1.75	8.77	50.0
129-00-0	Pyrene	U	0.877	ug/L	0.263	0.877	10.0
111-44-4	bis(2-Chloroethyl) ether	U	8.77	ug/L	1.75	8.77	10.0
541-73-1	1,3-Dichlorobenzene	U	8.77	ug/L	1.75	8.77	10.0
95-50-1	1,2-Dichlorobenzene	U	8.77	ug/L	1.75	8.77	10.0
108-60-1	bis(2-Chloroisopropyl)ether	U	8.77	ug/L	1.75	8.77	10.0
67-72-1	Hexachloroethane	U	8.77	ug/L	1.75	8.77	10.0
98-95-3	Nitrobenzene	U	8.77	ug/L	2.63	8.77	10.0
78-59-1	Isophorone	U	8.77	ug/L	1.75	8.77	10.0
88-75-5	2-Nitrophenol	U	8.77	ug/L	1.75	8.77	10.0
105-67-9	2,4-Dimethylphenol	U	8.77	ug/L	1.75	8.77	10.0
111-91-1	bis(2-Chloroethoxy)methane	U	8.77	ug/L	2.63	8.77	10.0
120-83-2	2,4-Dichlorophenol	U	8.77	ug/L	1.75	8.77	10.0
91-20-3	Naphthalene	U	0.877	ug/L	0.263	0.877	10.0
87-68-3	Hexachlorobutadiene	U	8.77	ug/L	1.75	8.77	10.0
77-47-4	Hexachlorocyclopentadiene	U	8.77	ug/L	1.75	8.77	10.0
88-06-2	2,4,6-Trichlorophenol	U	8.77	ug/L	1.75	8.77	10.0
91-58-7	2-Chloronaphthalene	U	0.877	ug/L	0.307	0.877	10.0
131-11-3	Dimethylphthalate	U	8.77	ug/L	1.75	8.77	10.0
606-20-2	2,6-Dinitrotoluene	U	8.77	ug/L	1.75	8.77	10.0
208-96-8	Acenaphthylene	U	0.877	ug/L	0.175	0.877	10.0
51-28-5	2,4-Dinitrophenol	U	17.5	ug/L	8.77	17.5	50.0
84-66-2	Diethylphthalate	U	8.77	ug/L	1.75	8.77	10.0
86-73-7	Fluorene	U	0.877	ug/L	0.175	0.877	10.0
7005-72-3	4-Chlorophenylphenylether	U	8.77	ug/L	1.75	8.77	10.0
534-52-1	2-Methyl-4,6-dinitrophenol	U	8.77	ug/L	2.63	8.77	50.0
122-39-4	Diphenylamine	U	8.77	ug/L	2.63	8.77	10.0
101-55-3	4-Bromophenylphenylether	U	8.77	ug/L	1.75	8.77	10.0
118-74-1	Hexachlorobenzene	U	8.77	ug/L	1.75	8.77	10.0

Outfall 00/  
sampled 6/11/07  
24 hour composite



Semi-Volatile  
Certificate of Analysis  
Sample Summary

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SDG Number: 187642	Date Collected: 06/11/2007 11:35	Matrix: WATER
Lab Sample ID: 187642001	Date Received: 06/12/2007 09:30	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 24342-001	Method: EPA 625	SOP Ref: GL-OA-E-009
Batch ID: 642389	Inst: MSD8.I	Dilution: 1
Run Date: 06/14/2007 21:13	Analyst: NAG1	Inj. Vol: 5 uL
Prep Date: 06/13/2007 17:38	Aliquot: 1140 mL	Final Volume: 1 mL
Data File: s8f1425.d	Column: J&W DB-5MS	Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	RDL
85-01-8	Phenanthrene	U	0.877	ug/L	0.175	0.877	10.0
120-12-7	Anthracene	U	0.877	ug/L	0.175	0.877	10.0
84-74-2	Di-n-butylphthalate	U	8.77	ug/L	1.75	8.77	10.0
206-44-0	Fluoranthene	U	0.877	ug/L	0.175	0.877	10.0
85-68-7	Butylbenzylphthalate	U	8.77	ug/L	1.75	8.77	10.0
56-55-3	Benzo(a)anthracene	U	0.877	ug/L	0.175	0.877	10.0
91-94-1	3,3'-Dichlorobenzidine	U	8.77	ug/L	0.877	8.77	40.0
218-01-9	Chrysene	U	0.877	ug/L	0.175	0.877	10.0
117-81-7	bis(2-Ethylhexyl)phthalate	U	8.77	ug/L	1.75	8.77	10.0
117-84-0	Di-n-octylphthalate	U	8.77	ug/L	2.63	8.77	10.0
205-99-2	Benzo(b)fluoranthene	U	0.877	ug/L	0.175	0.877	10.0
207-08-9	Benzo(k)fluoranthene	U	0.877	ug/L	0.175	0.877	10.0
50-32-8	Benzo(a)pyrene	U	0.877	ug/L	0.175	0.877	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.877	ug/L	0.175	0.877	10.0
53-70-3	Dibenzo(a,h)anthracene	U	0.877	ug/L	0.175	0.877	10.0
191-24-2	Benzo(ghi)perylene	U	0.877	ug/L	0.175	0.877	10.0
120-82-1	1,2,4-Trichlorobenzene	U	8.77	ug/L	1.75	8.77	10.0

Semi-Volatile  
Certificate of Analysis  
Sample Summary

SDG Number: 187901	Date Collected: 06/13/2007 10:50	Matrix: WATER
Lab Sample ID: 187901001	Date Received: 06/14/2007 10:15	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 24362-001	Method: EPA 625	SOP Ref: GL-OA-E-009
Batch ID: 643220	Inst: MSD2.1	Dilution: 1
Run Date: 06/17/2007 16:29	Analyst: JMB3	Inj. Vol: .5 uL
Prep Date: 06/16/2007 17:30	Aliquot: 1020 mL	Final Volume: 1 mL
Data File: s2f1721.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	9.80	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

Outfall 001  
sampled 6/13/07  
24 hour composite

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

SDG Number: 187901	Date Collected: 06/13/2007 10:50	Matrix: WATER
Lab Sample ID: 187901001	Date Received: 06/14/2007 10:15	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 24362-001	Method: EPA 625	SOP Ref: GL-OA-E-009
Batch ID: 643220	Inst: MSD2.I	Dilution: 1
Run Date: 06/17/2007 16:29	Analyst: JMB3	Inj. Vol: .5 uL
Prep Date: 06/16/2007 17:30	Aliquot: 1020 mL	Final Volume: 1 mL
Data File: s2f1721.d	Column: J&W DB-5MS	Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	RDL
85-01-8	Phenanthrene	U	0.980	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	U	9.80	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

Semi-Volatile  
Certificate of Analysis  
Sample Summary

SDG Number: 188062	Date Collected: 06/15/2007 10:30	Matrix: WATER
Lab Sample ID: 188062001	Date Received: 06/16/2007 09:30	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 24365-001	Method: EPA 625	SOP Ref: GL-OA-E-009
Batch ID: 644034	Inst: MSD1.I	Dilution: 1
Run Date: 06/20/2007 17:12	Analyst: CAK	Inj. Vol: .5 uL
Prep Date: 06/19/2007 17:51	Aliquot: 1050 mL	Final Volume: 1 mL
Data File: s1f2024.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	9.52	ug/L	1.90	9.52	10.0
108-95-2	Phenol	U	9.52	ug/L	0.952	9.52	10.0
95-57-8	2-Chlorophenol	U	9.52	ug/L	1.90	9.52	10.0
106-46-7	1,4-Dichlorobenzene	U	9.52	ug/L	1.90	9.52	10.0
621-64-7	N-Nitrosodipropylamine	U	9.52	ug/L	1.90	9.52	10.0
59-50-7	4-Chloro-3-methylphenol	U	9.52	ug/L	1.90	9.52	10.0
83-32-9	Acenaphthene	U	0.952	ug/L	0.295	0.952	10.0
121-14-2	2,4-Dinitrotoluene	U	9.52	ug/L	1.90	9.52	10.0
100-02-7	4-Nitrophenol	U	9.52	ug/L	1.90	9.52	50.0
87-86-5	Pentachlorophenol	U	9.52	ug/L	1.90	9.52	50.0
129-00-0	Pyrene	U	0.952	ug/L	0.286	0.952	10.0
111-44-4	bis(2-Chloroethyl) ether	U	9.52	ug/L	1.90	9.52	10.0
541-73-1	1,3-Dichlorobenzene	U	9.52	ug/L	1.90	9.52	10.0
95-50-1	1,2-Dichlorobenzene	U	9.52	ug/L	1.90	9.52	10.0
108-60-1	bis(2-Chloroisopropyl)ether	U	9.52	ug/L	1.90	9.52	10.0
67-72-1	Hexachloroethane	U	9.52	ug/L	1.90	9.52	10.0
98-95-3	Nitrobenzene	U	9.52	ug/L	2.86	9.52	10.0
78-59-1	Isophorone	U	9.52	ug/L	1.90	9.52	10.0
88-75-5	2-Nitrophenol	U	9.52	ug/L	1.90	9.52	10.0
105-67-9	2,4-Dimethylphenol	U	9.52	ug/L	1.90	9.52	10.0
111-91-1	bis(2-Chloroethoxy)methane	U	9.52	ug/L	2.86	9.52	10.0
120-83-2	2,4-Dichlorophenol	U	9.52	ug/L	1.90	9.52	10.0
91-20-3	Naphthalene	U	0.952	ug/L	0.286	0.952	10.0
87-68-3	Hexachlorobutadiene	U	9.52	ug/L	1.90	9.52	10.0
77-47-4	Hexachlorocyclopentadiene	U	9.52	ug/L	1.90	9.52	10.0
88-06-2	2,4,6-Trichlorophenol	U	9.52	ug/L	1.90	9.52	10.0
91-58-7	2-Chloronaphthalene	U	0.952	ug/L	0.333	0.952	10.0
131-11-3	Dimethylphthalate	U	9.52	ug/L	1.90	9.52	10.0
606-20-2	2,6-Dinitrotoluene	U	9.52	ug/L	1.90	9.52	10.0
208-96-8	Acenaphthylene	U	0.952	ug/L	0.190	0.952	10.0
51-28-5	2,4-Dinitrophenol	U	19.0	ug/L	9.52	19.0	50.0
84-66-2	Diethylphthalate	U	9.52	ug/L	1.90	9.52	10.0
86-73-7	Fluorene	U	0.952	ug/L	0.190	0.952	10.0
7005-72-3	4-Chlorophenylphenylether	U	9.52	ug/L	1.90	9.52	10.0
534-52-1	2-Methyl-4,6-dinitrophenol	U	9.52	ug/L	2.86	9.52	50.0
122-39-4	Diphenylamine	U	9.52	ug/L	2.86	9.52	10.0
101-55-3	4-Bromophenylphenylether	U	9.52	ug/L	1.90	9.52	10.0
118-74-1	Hexachlorobenzene	U	9.52	ug/L	1.90	9.52	10.0

Outfall 001  
sampled 6/15/07  
24 hour composite

Semi-Volatile  
Certificate of Analysis  
Sample Summary

SDG Number: 188062	Date Collected: 06/15/2007 10:30	Matrix: WATER
Lab Sample ID: 188062001	Date Received: 06/16/2007 09:30	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 24365-001	Method: EPA 625	SOP Ref: GL-OA-E-009
Batch ID: 644034	Inst: MSD1.I	Dilution: 1
Run Date: 06/20/2007 17:12	Analyst: CAK	Inj. Vol: .5 uL
Prep Date: 06/19/2007 17:51	Aliquot: 1050 mL	Final Volume: 1 mL
Data File: s1f2024.d	Column: Phenomenex ZB-5MS	Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	RDL
85-01-8	Phenanthrene	U	0.952	ug/L	0.190	0.952	10.0
120-12-7	Anthracene	U	0.952	ug/L	0.190	0.952	10.0
84-74-2	Di-n-butylphthalate	U	9.52	ug/L	1.90	9.52	10.0
206-44-0	Fluoranthene	U	0.952	ug/L	0.190	0.952	10.0
85-68-7	Butylbenzylphthalate	U	9.52	ug/L	1.90	9.52	10.0
56-55-3	Benzo(a)anthracene	U	0.952	ug/L	0.190	0.952	10.0
91-94-1	3,3'-Dichlorobenzidine	U	9.52	ug/L	0.952	9.52	40.0
218-01-9	Chrysene	U	0.952	ug/L	0.190	0.952	10.0
117-81-7	bis(2-Ethylhexyl)phthalate	U	9.52	ug/L	1.90	9.52	10.0
117-84-0	Di-n-octylphthalate	U	9.52	ug/L	2.86	9.52	10.0
205-99-2	Benzo(b)fluoranthene	U	0.952	ug/L	0.190	0.952	10.0
207-08-9	Benzo(k)fluoranthene	U	0.952	ug/L	0.190	0.952	10.0
50-32-8	Benzo(a)pyrene	U	0.952	ug/L	0.190	0.952	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.952	ug/L	0.190	0.952	10.0
53-70-3	Dibenzo(a,h)anthracene	U	0.952	ug/L	0.190	0.952	10.0
191-24-2	Benzo(ghi)perylene	U	0.952	ug/L	0.190	0.952	10.0
120-82-1	1,2,4-Trichlorobenzene	U	9.52	ug/L	1.90	9.52	10.0

Pesticide  
Certificate of Analysis  
Sample Summary

SDG Number: 187642	Date Collected: 06/11/2007 14:00	Matrix: WATER
Lab Sample ID: 187642002	Date Received: 06/12/2007 09:30	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 24342-002	Method: EPA 608	SOP Ref: GL-OA-E-041
Batch ID: 643240	Inst: ECD3A.I	Dilution: 5
Run Date: 06/23/2007 06:31	Analyst: HXJ1	Inj. Vol: 1 uL
Prep Date: 06/15/2007 17:49	Aliquot: 1120 mL	Final Volume: .5 mL
Data File: 048f4801.d	Column: 1 Rtx-CLPest1	Level: LOW
048b4801.d	2 Rtx-CLPest2	

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	RDL	Column
319-84-6	alpha-BHC	U	0.00893	ug/L	0.00223	0.00893		1
58-89-9	gamma-BHC (Lindane)	U	0.00893	ug/L	0.00223	0.00893		1
319-85-7	beta-BHC	U	0.00893	ug/L	0.00377	0.00893		1
319-86-8	delta-BHC	U	0.00893	ug/L	0.00223	0.00893		1
76-44-8	Heptachlor	U	0.00893	ug/L	0.00292	0.00893		1
309-00-2	Aldrin	U	0.00893	ug/L	0.00223	0.00893		1
1024-57-3	Heptachlor epoxide	U	0.00893	ug/L	0.00223	0.00893		1
959-98-8	Endosulfan I	U	0.00893	ug/L	0.00223	0.00893		1
72-55-9	4,4'-DDE	U	0.0179	ug/L	0.00223	0.0179		1
60-57-1	Dieldrin	U	0.0179	ug/L	0.00223	0.0179		1
72-20-8	Endrin	U	0.0179	ug/L	0.00223	0.0179		1
72-54-8	4,4'-DDD	U	0.0179	ug/L	0.00223	0.0179		1
33213-65-9	Endosulfan II	U	0.0179	ug/L	0.00223	0.0179		1
7421-93-4	Endrin aldehyde	U	0.0179	ug/L	0.00223	0.0179		1
50-29-3	4,4'-DDT	U	0.0179	ug/L	0.00446	0.0179		1
1031-07-8	Endosulfan sulfate	U	0.0179	ug/L	0.00223	0.0179		1
57-74-9	Chlordane (tech.)	U	0.112	ug/L	0.0342	0.112		1
8001-35-2	Toxaphene	U	0.223	ug/L	0.067	0.223		1
12674-11-2	Aroclor-1016	U	0.223	ug/L	0.0743	0.223	0.065	1
11104-28-2	Aroclor-1221	U	0.223	ug/L	0.0743	0.223	0.065	1
11141-16-5	Aroclor-1232	U	0.223	ug/L	0.0743	0.223	0.065	1
53469-21-9	Aroclor-1242	U	0.223	ug/L	0.0743	0.223	0.065	1
12672-29-6	Aroclor-1248	U	0.223	ug/L	0.0743	0.223	0.065	1
11097-69-1	Aroclor-1254	U	0.223	ug/L	0.0743	0.223	0.065	1
11096-82-5	Aroclor-1260	U	0.223	ug/L	0.0743	0.223	0.065	1

Outfall 001  
Sampled 6/11/07  
Grab sample

Pesticide  
Certificate of Analysis  
Sample Summary

SDG Number: 187901	Date Collected: 06/13/2007 13:00	Matrix: WATER
Lab Sample ID: 187901002	Date Received: 06/14/2007 10:15	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 24362-002	Method: EPA 608	SOP Ref: GL-OA-E-041
Batch ID: 643240	Inst: ECD3A.I	Dilution: 10
Run Date: 06/23/2007 09:17	Analyst: HXJ1	Inj. Vol: 1 uL
Prep Date: 06/15/2007 17:49	Aliquot: 1040 mL	Final Volume: .5 mL
Data File: 061f6101.d	Column: 1 Rtx-CLPest1	Level: LOW
	2 Rtx-CLPest2	

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	RDL	Column
319-84-6	alpha-BHC	U	0.0192	ug/L	0.00481	0.0192		1
58-89-9	gamma-BHC (Lindane)	U	0.0192	ug/L	0.00481	0.0192		1
319-85-7	beta-BHC	U	0.0192	ug/L	0.00813	0.0192		1
319-86-8	delta-BHC	U	0.0192	ug/L	0.00481	0.0192		1
76-44-8	Heptachlor	U	0.0192	ug/L	0.0063	0.0192		1
309-00-2	Aldrin	U	0.0192	ug/L	0.00481	0.0192		1
1024-57-3	Heptachlor epoxide	U	0.0192	ug/L	0.00481	0.0192		1
959-98-8	Endosulfan I	U	0.0192	ug/L	0.00481	0.0192		1
72-55-9	4,4'-DDE	U	0.0385	ug/L	0.00481	0.0385		1
60-57-1	Dieldrin	U	0.0385	ug/L	0.00481	0.0385		1
72-20-8	Endrin	U	0.0385	ug/L	0.00481	0.0385		1
72-54-8	4,4'-DDD	U	0.0385	ug/L	0.00481	0.0385		1
33213-65-9	Endosulfan II	U	0.0385	ug/L	0.00481	0.0385		1
7421-93-4	Endrin aldehyde	U	0.0385	ug/L	0.00481	0.0385		1
50-29-3	4,4'-DDT	U	0.0385	ug/L	0.00962	0.0385		1
1031-07-8	Endosulfan sulfate	U	0.0385	ug/L	0.00481	0.0385		1
57-74-9	Chlordane (tech.)	U	0.240	ug/L	0.0736	0.240		1
8001-35-2	Toxaphene	U	0.481	ug/L	0.144	0.481		1
12674-11-2	Aroclor-1016	U	0.481	ug/L	0.160	0.481	0.065	1
11104-28-2	Aroclor-1221	U	0.481	ug/L	0.160	0.481	0.065	1
11141-16-5	Aroclor-1232	U	0.481	ug/L	0.160	0.481	0.065	1
53469-21-9	Aroclor-1242	U	0.481	ug/L	0.160	0.481	0.065	1
12672-29-6	Aroclor-1248	U	0.481	ug/L	0.160	0.481	0.065	1
11097-69-1	Aroclor-1254	U	0.481	ug/L	0.160	0.481	0.065	1
11096-82-5	Aroclor-1260	U	0.481	ug/L	0.160	0.481	0.065	1

Outfall 001  
Sampled 6/13/07  
Grab

Pesticide  
Certificate of Analysis  
Sample Summary

Page 1 of 1

SDG Number: 188062	Date Collected: 06/15/2007 13:20	Matrix: WATER
Lab Sample ID: 188062002	Date Received: 06/16/2007 09:30	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 24365-002	Method: EPA 608	SOP Ref: GL-OA-E-041
Batch ID: 644169	Inst: ECD3A.I	Dilution: 5
Run Date: 06/23/2007 04:23	Analyst: HXJI	Inj. Vol: 1 uL
Prep Date: 06/19/2007 17:41	Aliquot: 1060 mL	Final Volume: .5 mL
Data File: 038f3801.d	Column: 1 Rtx-CLPest1	Level: LOW
038b3801.d	2 Rtx-CLPest2	

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	RDL	Column
319-84-6	alpha-BHC	U	0.00943	ug/L	0.00236	0.00943		1
58-89-9	gamma-BHC (Lindane)	U	0.00943	ug/L	0.00236	0.00943		1
319-85-7	beta-BHC	U	0.00943	ug/L	0.00399	0.00943		1
319-86-8	delta-BHC	U	0.00943	ug/L	0.00236	0.00943		1
76-44-8	Heptachlor	U	0.00943	ug/L	0.00309	0.00943		1
309-00-2	Aldrin	U	0.00943	ug/L	0.00236	0.00943		1
1024-57-3	Heptachlor epoxide	U	0.00943	ug/L	0.00236	0.00943		1
959-98-8	Endosulfan I	U	0.00943	ug/L	0.00236	0.00943		1
72-55-9	4,4'-DDE	U	0.0189	ug/L	0.00236	0.0189		1
60-57-1	Dieldrin	U	0.0189	ug/L	0.00236	0.0189		1
72-20-8	Endrin	U	0.0189	ug/L	0.00236	0.0189		1
72-54-8	4,4'-DDD	U	0.0189	ug/L	0.00236	0.0189		1
33213-65-9	Endosulfan II	U	0.0189	ug/L	0.00236	0.0189		1
7421-93-4	Endrin aldehyde	U	0.0189	ug/L	0.00236	0.0189		1
50-29-3	4,4'-DDT	U	0.0189	ug/L	0.00472	0.0189		1
1031-07-8	Endosulfan sulfate	JP	0.00855	ug/L	0.00236	0.0189		2
57-74-9	Chlordane (tech.)	U	0.118	ug/L	0.0361	0.118		1
8001-35-2	Toxaphene	U	0.236	ug/L	0.0708	0.236		1
12674-11-2	Aroclor-1016	U	0.236	ug/L	0.0785	0.236	0.065	1
11104-28-2	Aroclor-1221	U	0.236	ug/L	0.0785	0.236	0.065	1
11141-16-5	Aroclor-1232	U	0.236	ug/L	0.0785	0.236	0.065	1
53469-21-9	Aroclor-1242	U	0.236	ug/L	0.0785	0.236	0.065	1
12672-29-6	Aroclor-1248	U	0.236	ug/L	0.0785	0.236	0.065	1
11097-69-1	Aroclor-1254	U	0.236	ug/L	0.0785	0.236	0.065	1
11096-82-5	Aroclor-1260	U	0.236	ug/L	0.0785	0.236	0.065	1

Outfall 001  
Sampled 6/15/07

Grab



METALS  
-1-  
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 187642

METHOD TYPE: SW846

SAMPLE ID: 187642001

CLIENT ID: 24342-001

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 12-JUN-07

LEVEL: Low %SOLIDS:

CAS No	Analyte	Result	Units	C	Qual	M	MDL	DE	Instrument ID	Analytical Run
7429-90-5	Aluminum	68	ug/L	U		P	68	1	OPTIMA1	070307-2
7440-36-0	Antimony	4	ug/L	U		P	4	1	OPTIMA1	070307-2
7440-38-2	Arsenic	2.1	ug/L	B		MS	1.5	1	ICPMS5	070629-3
7440-39-3	Barium	18.7	ug/L	B		P	1	1	OPTIMA1	070307-2
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA1	070307-2
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA1	070307-2
7440-70-2	Calcium	13200	ug/L			P	36	1	OPTIMA1	070307-2
7440-47-3	Chromium	1	ug/L	U		P	1	1	OPTIMA1	070307-2
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA1	070307-2
7440-50-8	Copper	74.9	ug/L			P	3	1	OPTIMA1	070307-2
7439-89-6	Iron	234	ug/L			P	18	1	OPTIMA1	070307-2
7439-92-1	Lead	0.750	ug/L	B		MS	0.5	1	ICPMS5	070629-3
7439-95-4	Magnesium	4090	ug/L	B		P	85	1	OPTIMA1	070307-2
7439-96-5	Manganese	4.2	ug/L	B		P	2	1	OPTIMA1	070307-2
7439-97-6	Mercury	0.098	ug/L	B		AV	0.06	1	MER536	062507W2-1
7440-02-0	Nickel	15.8	ug/L	B		P	1	1	OPTIMA1	070307-2
7440-09-7	Potassium	6390	ug/L			P	50	1	OPTIMA1	070307-2
7782-49-2	Selenium	2.9	ug/L	B		MS	2.5	1	ICPMS5	070629-3
7440-22-4	Silver	1	ug/L	U		P	1	1	OPTIMA1	070307-2
7440-23-5	Sodium	38600	ug/L			P	45	1	OPTIMA1	070307-2
7440-28-0	Thallium	0.40	ug/L	U		MS	0.4	1	ICPMS5	070629-3
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA1	070307-2
7440-62-2	Vanadium	3	ug/L	B		P	1	1	OPTIMA1	070307-2
7440-66-6	Zinc	53.9	ug/L			P	2	1	OPTIMA1	070307-2

*Outfall 001  
sampled 6/14/07  
24 hour composite*

METALS  
-1-  
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 187901

METHOD TYPE: SW846

SAMPLE ID: 187901001

CLIENT ID: 24362-001

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 14-JUN-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	070307-2
7440-36-0	Antimony	4	ug/L	U		P	4	1	OPTIMA1	070307-2
7440-38-2	Arsenic	1.7	ug/L	B		MS	1.5	1	ICPMS6	070629-3
7440-39-3	Barium	18.9	ug/L	B		P	1	1	OPTIMA1	070307-2
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA1	070307-2
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA1	070307-2
7440-70-2	Calcium	13300	ug/L			P	36	1	OPTIMA1	070307-2
7440-47-3	Chromium	1	ug/L	U		P	1	1	OPTIMA1	070307-2
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA1	070307-2
7440-50-8	Copper	64.3	ug/L			P	3	1	OPTIMA1	070307-2
7439-89-6	Iron	148	ug/L			P	18	1	OPTIMA1	070307-2
7439-92-1	Lead	0.780	ug/L	B		MS	0.5	1	ICPMS6	070629-3
7439-95-4	Magnesium	4200	ug/L	B		P	85	1	OPTIMA1	070307-2
7439-96-5	Manganese	3.8	ug/L	B		P	2	1	OPTIMA1	070307-2
7439-97-6	Mercury	0.060	ug/L	U		AV	0.06	1	MER536	070507W1-1
7440-02-0	Nickel	16.1	ug/L	B		P	1	1	OPTIMA1	070307-2
7440-09-7	Potassium	5700	ug/L			P	50	1	OPTIMA1	070307-2
7782-49-2	Selenium	2.5	ug/L	U		MS	2.5	1	ICPMS6	070629-3
7440-22-4	Silver	1	ug/L	U		P	1	1	OPTIMA1	070307-2
7440-23-5	Sodium	39100	ug/L			P	45	1	OPTIMA1	070307-2
7440-28-0	Thallium	0.40	ug/L	U		MS	0.4	1	ICPMS6	070629-3
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA1	070307-2
7440-62-2	Vanadium	3.8	ug/L	B		P	1	1	OPTIMA1	070307-2
7440-66-6	Zinc	52.9	ug/L			P	2	1	OPTIMA1	070307-2

Outfall 001  
Sampled 6/13/07  
24-hour composite

METALS  
-1-  
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 188062

METHOD TYPE:

SAMPLE ID: 188062001

CLIENT ID: 24365-0C. <sup>SW846</sup>

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 16-JUN-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	070307-2
7440-36-0	Antimony	4	ug/L	U		P	4	1	OPTIMA1	070307-2
7440-38-2	Arsenic	1.7	ug/L	B		MS	1.5	1	ICPMS6	070629-3
7440-39-3	Barium	18.8	ug/L	B		P	1	1	OPTIMA1	070307-2
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA1	070307-2
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA1	070307-2
7440-70-2	Calcium	13900	ug/L			P	36	1	OPTIMA1	070307-2
7440-47-3	Chromium	1	ug/L	U		P	1	1	OPTIMA1	070307-2
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA1	070307-2
7440-50-8	Copper	58.9	ug/L			P	3	1	OPTIMA1	070307-2
7439-89-6	Iron	146	ug/L			P	18	1	OPTIMA1	070307-2
7439-92-1	Lead	0.580	ug/L	B		MS	0.5	1	ICPMS6	070629-3
7439-95-4	Magnesium	4580	ug/L	B		P	85	1	OPTIMA1	070307-2
7439-96-5	Manganese	3.8	ug/L	B		P	2	1	OPTIMA1	070307-2
7439-97-6	Mercury	0.060	ug/L	U		AV	0.06	1	MER536	062007W1-1
7440-02-0	Nickel	15.6	ug/L	B		P	1	1	OPTIMA1	070307-2
7440-09-7	Potassium	5880	ug/L			P	50	1	OPTIMA1	070307-2
7782-49-2	Selenium	2.5	ug/L	U		MS	2.5	1	ICPMS6	070629-3
7440-22-4	Silver	1	ug/L	U		P	1	1	OPTIMA1	070307-2
7440-23-5	Sodium	39400	ug/L			P	45	1	OPTIMA1	070307-2
7440-28-0	Thallium	0.40	ug/L	U		MS	0.4	1	ICPMS6	070629-3
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA1	070307-2
7440-62-2	Vanadium	3.1	ug/L	B		P	1	1	OPTIMA1	070307-2
7440-66-6	Zinc	56.5	ug/L			P	2	1	OPTIMA1	070307-2

Outfall 001  
Sampled 6/15/07  
24 hour composite

METALS  
-1-  
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 187642

METHOD TYPE: SW846

SAMPLE ID: 187642003

CLIENT ID: 24342-003

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 12-JUN-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	261	ug/L			P	68	1	OPTIMA1	070307-2
7440-36-0	Antimony	4	ug/L	U		P	4	1	OPTIMA1	070307-2
7440-38-2	Arsenic	3.3	ug/L	B		MS	1.5	1	ICPMS5	070629-3
7440-39-3	Barium	55.4	ug/L	B		P	1	1	OPTIMA1	070307-2
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA1	070307-2
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA1	070307-2
7440-70-2	Calcium	13300	ug/L			P	36	1	OPTIMA1	070307-2
7440-47-3	Chromium	2.5	ug/L	B		P	1	1	OPTIMA1	070307-2
7440-48-4	Cobalt	1.1	ug/L	B		P	1	1	OPTIMA1	070307-2
7440-50-8	Copper	389	ug/L			P	3	1	OPTIMA1	070307-2
7439-89-6	Iron	2100	ug/L			P	18	1	OPTIMA1	070307-2
7439-92-1	Lead	12.6	ug/L			MS	0.5	1	ICPMS5	070629-3
7439-95-4	Magnesium	4590	ug/L	B		P	85	1	OPTIMA1	070307-2
7439-96-5	Manganese	66.9	ug/L			P	2	1	OPTIMA1	070307-2
7439-97-6	Mercury	0.320	ug/L			AV	0.06	1	MER536	062507W2-1
7440-02-0	Nickel	8.6	ug/L	B		P	1	1	OPTIMA1	070307-2
7440-09-7	Potassium	4210	ug/L	B		P	50	1	OPTIMA1	070307-2
7782-49-2	Selenium	2.5	ug/L	U		MS	2.5	1	ICPMS5	070629-3
7440-22-4	Silver	1.7	ug/L	B		P	1	1	OPTIMA1	070307-2
7440-23-5	Sodium	40800	ug/L			P	45	1	OPTIMA1	070307-2
7440-28-0	Thallium	0.40	ug/L	U		MS	0.4	1	ICPMS5	070629-3
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA1	070307-2
7440-62-2	Vanadium	1	ug/L	U		P	1	1	OPTIMA1	070307-2
7440-66-6	Zinc	115	ug/L			P	2	1	OPTIMA1	070307-2

STP Influent  
Sampled 6/11/07  
24 hour composite

METALS  
-1-  
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 187901

METHOD TYPE: SW846

SAMPLE ID: 187901003

CLIENT ID: 24362-003

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 14-JUN-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	418	ug/L			P	68	1	OPTIMA1	070307-2
7440-36-0	Antimony	4	ug/L	U		P	4	1	OPTIMA1	070307-2
7440-38-2	Arsenic	3.1	ug/L	B		MS	1.5	1	ICPMS6	070629-3
7440-39-3	Barium	64.1	ug/L	B		P	1	1	OPTIMA1	070307-2
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA1	070307-2
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA1	070307-2
7440-70-2	Calcium	12900	ug/L			P	36	1	OPTIMA1	070307-2
7440-47-3	Chromium	3.6	ug/L	B		P	1	1	OPTIMA1	070307-2
7440-48-4	Cobalt	1.1	ug/L	B		P	1	1	OPTIMA1	070307-2
7440-50-8	Copper	541	ug/L			P	3	1	OPTIMA1	070307-2
7439-89-6	Iron	2390	ug/L			P	18	1	OPTIMA1	070307-2
7439-92-1	Lead	22	ug/L			MS	0.5	1	ICPMS6	070629-3
7439-95-4	Magnesium	4640	ug/L	B		P	85	1	OPTIMA1	070307-2
7439-96-5	Manganese	72.3	ug/L			P	2	1	OPTIMA1	070307-2
7439-97-6	Mercury	0.660	ug/L			AV	0.06	1	MER536	070507W1-1
7440-02-0	Nickel	9.1	ug/L	B		P	1	1	OPTIMA1	070307-2
7440-09-7	Potassium	6750	ug/L			P	50	1	OPTIMA1	070307-2
7782-49-2	Selenium	2.5	ug/L	U		MS	2.5	1	ICPMS6	070629-3
7440-22-4	Silver	1.2	ug/L	B		P	1	1	OPTIMA1	070307-2
7440-23-5	Sodium	40900	ug/L			P	45	1	OPTIMA1	070307-2
7440-28-0	Thallium	0.40	ug/L	U		MS	0.4	1	ICPMS6	070629-3
7440-31-5	Tin	3	ug/L	B		P	2.5	1	OPTIMA1	070307-2
7440-62-2	Vanadium	1	ug/L	U		P	1	1	OPTIMA1	070307-2
7440-66-6	Zinc	180	ug/L			P	2	1	OPTIMA1	070307-2

STP Influent  
sampled 6/13/07  
24-hour composite

METALS  
-1-  
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 188062

METHOD TYPE:

SAMPLE ID: 188062003

CLIENT ID: 24365-00<sup>SW846</sup>

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 16-JUN-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	330	ug/L			P	68	1	OPTIMA1	070307-2
7440-36-0	Antimony	4	ug/L	U		P	4	1	OPTIMA1	070307-2
7440-38-2	Arsenic	3.7	ug/L	B		MS	1.5	1	ICPMS6	070629-3
7440-39-3	Barium	66.2	ug/L	B		P	1	1	OPTIMA1	070307-2
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA1	070307-2
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA1	070307-2
7440-70-2	Calcium	14100	ug/L			P	36	1	OPTIMA1	070307-2
7440-47-3	Chromium	2.7	ug/L	B		P	1	1	OPTIMA1	070307-2
7440-48-4	Cobalt	1.3	ug/L	B		P	1	1	OPTIMA1	070307-2
7440-50-8	Copper	520	ug/L			P	3	1	OPTIMA1	070307-2
7439-89-6	Iron	2280	ug/L			P	18	1	OPTIMA1	070307-2
7439-92-1	Lead	18	ug/L			MS	0.5	1	ICPMS6	070629-3
7439-95-4	Magnesium	4690	ug/L	B		P	85	1	OPTIMA1	070307-2
7439-96-5	Manganese	71.1	ug/L			P	2	1	OPTIMA1	070307-2
7439-97-6	Mercury	0.550	ug/L			AV	0.06	1	MER536	062007W1-1
7440-02-0	Nickel	8.7	ug/L	B		P	1	1	OPTIMA1	070307-2
7440-09-7	Potassium	7060	ug/L			P	50	1	OPTIMA1	070307-2
7782-49-2	Selenium	2.5	ug/L	U		MS	2.5	1	ICPMS6	070629-3
7440-22-4	Silver	1	ug/L	U		P	1	1	OPTIMA1	070307-2
7440-23-5	Sodium	44400	ug/L			P	45	1	OPTIMA1	070307-2
7440-28-0	Thallium	0.40	ug/L	U		MS	0.4	1	ICPMS6	070629-3
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	OPTIMA1	070307-2
7440-62-2	Vanadium	1	ug/L	U		P	1	1	OPTIMA1	070307-2
7440-66-6	Zinc	162	ug/L			P	2	1	OPTIMA1	070307-2

STP Influent  
sampled 6/15/07  
24 hour composite

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## Certificate of Analysis

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

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

Report Date: July 11, 2007

Client Sample ID:	24342-001	Project:	BRKL00504
Sample ID:	187642001	Client ID:	BRKL005
Matrix:	Water	COC:	24342
Collect Date:	11-JUN-07 11:35	Samp Recv.:	
Receive Date:	12-JUN-07 09:30	Client Desc.:	STP Effluent
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
<b>Flow Injection Analysis Federal</b>											
<i>EPA 420.2 Phenols, Total Liquid</i>											
Total Phenol	J	0.00215	0.00166	0.010	mg/l	1	KLP1	06/15/07	1121	642343	1
<b>Ion Chromatography Federal</b>											
<i>EPA300.0 Bromide Liquid Fed</i>											
Bromide		0.490	0.066	0.200	mg/L	1	RXM1	06/15/07	1924	642739	2
Sulfate		18.3	0.100	5.00	mg/L	1					
Chloride		52.9	0.660	2.00	mg/L	10	RXM1	06/18/07	1346	642739	3
<b>Nutrient Analysis Federal</b>											
<i>EPA 365.4 Phosphorus, Total in</i>											
Phosphorus, Total as P		1.56	0.024	0.050	mg/L	1	AXH3	06/14/07	1418	642528	4
<b>Solids Analysis Federal</b>											
<i>EPA 160.2 Total Suspended Liq</i>											
Total Suspended Solids	U	0.222	1.27	5.56	mg/L		SXS2	06/13/07	1245	642314	5
<b>Spectrometric Analysis Federal</b>											
<i>EPA 376.2 Sulfide Liquid Federal</i>											
Total Sulfide	U	0.00387	0.030	0.100	mg/L	1	AXC2	06/14/07	1616	642230	6
<b>Titration Analysis Federal</b>											
<i>EPA 377.1 Sulfite Liquid Feder</i>											
Sulfite	HU	0.00	2.00	2.00	mg/L		AXC2	06/12/07	1813	642232	7

**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	BXM1	06/13/07	1727	642526
EPA 420.2 Prep	EPA 420.2 Phenols, Total in liquid-Fed P	NXM1	06/14/07	1458	642342

**The following Analytical Methods were performed**

Method	Description	Analyst Comments
1	EPA 420.2	
2	EPA 300.0	
3	EPA 300.0	
4	EPA 365.4	
5	EPA 160.2	
6	EPA 376.2	

outfall 001  
 sampled 6/11/07  
 24 hour composite

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## Certificate of Analysis

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

Report Date: July 11, 2007

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

Client Sample ID:	24362-001	Project:	BRKL00504
Sample ID:	187901001	Client ID:	BRKL005
Matrix:	Water	COC:	24362
Collect Date:	13-JUN-07 10:50	Samp Recv.:	
Receive Date:	14-JUN-07 10:15	Client Desc.:	STP Effluent
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
<b>Flow Injection Analysis Federal</b>											
<i>EPA 420.2 Phenols, Total Liquid</i>											
Total Phenol	U	-0.00333	0.00165	0.010	mg/l	1	KLP1	06/19/07	1036	643066	1
<b>Ion Chromatography Federal</b>											
<i>EPA300.0 Bromide Liquid Fed</i>											
Bromide		0.363	0.066	0.200	mg/L	1	RXM1	06/15/07	2348	642739	2
Sulfate		16.8	0.100	5.00	mg/L	1					
Chloride		55.3	0.660	2.00	mg/L	10	RXM1	06/18/07	1832	642739	3
<b>Nutrient Analysis Federal</b>											
<i>EPA 365.4 Phosphorus, Total in</i>											
Phosphorus, Total as P		1.47	0.024	0.050	mg/L	1	AXH3	06/18/07	1040	643293	4
<b>Solids Analysis Federal</b>											
<i>EPA 160.2 Total Suspended Liq</i>											
Total Suspended Solids	U	0.200	0.570	2.50	mg/L		SXS2	06/18/07	1503	643179	5
<b>Spectrometric Analysis Federal</b>											
<i>EPA 376.2 Sulfide Liquid Federal</i>											
Total Sulfide	U	0.00796	0.030	0.100	mg/L	1	BXM2	06/19/07	1515	644288	6
<b>Titration Analysis Federal</b>											
<i>EPA 377.1 Sulfite Liquid Feder</i>											
Sulfite	HU	0.00	2.00	2.00	mg/L		AXC2	06/15/07	1049	643089	7

**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	BXMI	06/15/07	1920	643291
EPA 420.2 Prep	EPA 420.2 Phenols, Total in liquid-Fed P	NXMI	06/15/07	1736	643064

**The following Analytical Methods were performed**

Method	Description	Analyst Comments
1	EPA 420.2	outfall 001 sampled 6/13/07 24-hour composite
2	EPA 300.0	
3	EPA 300.0	
4	EPA 365.4	
5	EPA 160.2	
6	EPA 376.2	



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## Certificate of Analysis

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

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

Report Date: July 12, 2007

Client Sample ID: 24365-001  
 Sample ID: 188062001  
 Matrix: Water  
 Collect Date: 15-JUN-07 10:30  
 Receive Date: 16-JUN-07 09:30  
 Collector: Client

Project: BRKL00504  
 Client ID: BRKL005  
 COC: 24365  
 Samp Recv.:  
 Client Desc.: STP Effluent

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
<b>Flow Injection Analysis Federal</b>											
<i>EPA 420.2 Phenols, Total Liquid</i>											
Total Phenol	U	-0.00174	0.00165	0.010	mg/l	1	KLP1	06/22/07	0933	644627	1
<b>Ion Chromatography Federal</b>											
<i>EPA300.0 Bromide Liquid Fed</i>											
Bromide		0.324	0.066	0.200	mg/L	1	RXM1	06/28/07	0143	645682	2
Sulfate		16.2	0.100	5.00	mg/L	1					
Chloride		55.7	0.660	2.00	mg/L	10	RXM1	06/28/07	0843	645682	3
<b>Nutrient Analysis Federal</b>											
<i>EPA 365.4 Phosphorus, Total in Phosphorus, Total as P</i>											
		1.42	0.024	0.050	mg/L	1	AXH3	06/19/07	1248	643570	4
<b>Solids Analysis Federal</b>											
<i>EPA 160.2 Total Suspended Liq</i>											
Total Suspended Solids	U	0.500	0.570	2.50	mg/L		SXS2	06/19/07	1052	643608	5
<b>Spectrometric Analysis Federal</b>											
<i>EPA 376.2 Sulfide Liquid Federal</i>											
Total Sulfide	U	0.00558	0.030	0.100	mg/L	1	BXM2	06/19/07	1516	644288	6
<b>Titration Analysis Federal</b>											
<i>EPA 377.1 Sulfite Liquid Feder</i>											
Sulfite	HU	-0.50	2.00	2.00	mg/L		AXC2	06/18/07	1804	644072	7

**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	BXM1	06/18/07	2346	643567
EPA 420.2 Prep	EPA 420.2 Phenols, Total in liquid-Fed P	NXM1	06/21/07	1610	644626

**The following Analytical Methods were performed**

Method	Description	Analyst Comments
1	EPA 420.2	
2	EPA 300.0	
3	EPA 300.0	
4	EPA 365.4	
5	EPA 160.2	
6	EPA 376.2	

outfall 001  
sampled 6/15/07

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## Certificate of Analysis

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

Report Date: July 11, 2007

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

Client Sample ID: 24342-002  
 Sample ID: 187642002  
 Matrix: Water  
 Collect Date: 11-JUN-07 14:00  
 Receive Date: 12-JUN-07 09:30  
 Collector: Client

Project: BRKL00504  
 Client ID: BRKL005  
 COC: 24342  
 Samp Recv.:  
 Client Desc.: STP Effluent

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
<b>Flow Injection Analysis Federal</b>										
<i>SW9012A Cyanide, Total Federal</i>										
Cyanide, Total	U	0.318	1.50	5.00	ug/L	1	KLP1 06/15/07	1324	642485	1
<b>Oil &amp; Grease Analysis Federal</b>										
<i>EPA 1664A n-Hexane Extractable Material (Oil and G</i>										
Oil and Grease	J	1.10	0.880	4.00	mg/L		EXF1 06/14/07	1052	642644	2
<b>Titration Analysis Federal</b>										
<i>EPA 130.2 Total Hardness Federal</i>										
Hardness as CaCO3		55.3	2.00	4.00	mg/L		BXM2 07/09/07	1332	649353	3

**The following Prep Methods were performed**

Method	Description	Analyst	Date	Time	Prep Batch
SW846 9010B Prep	SW846 9010B Prep	NXM1	06/14/07	1459	642484

**The following Analytical Methods were performed**

Method	Description	Analyst Comments
1	SW846 9012A	
2	EPA 1664A	
3	EPA 130.2	

Outfall 001  
 Sampled 6/11/07  
 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: July 11, 2007

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

Client Sample ID:	24362-002	Project:	BRKL00504
Sample ID:	187901002	Client ID:	BRKL005
Matrix:	Water	COC:	24362
Collect Date:	13-JUN-07 13:00	Samp Recv.:	
Receive Date:	14-JUN-07 10:15	Client Desc.:	STP Effluent
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
<b>Flow Injection Analysis Federal</b>											
<i>SW9012A Cyanide, Total Federal</i>											
Cyanide, Total	U	-1.87	1.50	5.00	ug/L	1	KLP1	06/18/07	1207	643056	1
<b>Oil &amp; Grease Analysis Federal</b>											
<i>EPA 1664A n-Hexane Extractable Material (Oil and G</i>											
Oil and Grease	J	0.900	0.880	4.00	mg/L		EXF1	06/20/07	1118	644276	2
<b>Titration Analysis Federal</b>											
<i>EPA 130.2 Total Hardness Federal</i>											
Hardness as CaCO3		57.7	1.00	2.00	mg/L		BXM2	07/06/07	1845	649052	3

**The following Prep Methods were performed**

Method	Description	Analyst	Date	Time	Prep Batch
SW846 9010B Prep	SW846 9010B Prep	NXM1	06/15/07	1745	643055

**The following Analytical Methods were performed**

Method	Description	Analyst Comments
1	SW846 9012A	
2	EPA 1664A	
3	EPA 130.2	

outfall 001  
 sampled 6/13/07  
 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: July 12, 2007

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

Client Sample ID: 24365-002  
 Sample ID: 188062002  
 Matrix: Water  
 Collect Date: 15-JUN-07 13:20  
 Receive Date: 16-JUN-07 09:30  
 Collector: Client

Project: BRKL00504  
 Client ID: BRKL005  
 COC: 24365  
 Samp Recv.:  
 Client Desc.: STP Effluent

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
<b>Flow Injection Analysis Federal</b>										
<i>SW9012A Cyanide, Total Federal</i>										
Cyanide, Total	U	-3.41	1.50	5.00	ug/L	1	KLP1 06/19/07	1206	643665	1
<b>Oil &amp; Grease Analysis Federal</b>										
<i>EPA 1664A n-Hexane Extractable Material (Oil and G</i>										
Oil and Grease	J	1:10	0.880	4.00	mg/L		EXP1 06/20/07	1353	644276	2
<b>Titration Analysis Federal</b>										
<i>EPA 130.2 Total Hardness Federal</i>										
Hardness as CaCO3		54.2	1.00	2.00	mg/L		BXM2 06/22/07	1856	645440	3

**The following Prep Methods were performed**

Method	Description	Analyst	Date	Time	Prep Batch
SW846 9010B Prep	SW846 9010B Prep	NXMI	06/18/07	1520	643660

**The following Analytical Methods were performed**

Method	Description	Analyst Comments
1	SW846 9012A	
2	EPA 1664A	
3	EPA 130.2	

outfall 001  
 sampled 6/15/07  
 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: July 11, 2007

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

Client Sample ID: 24342-003  
Sample ID: 187642003  
Matrix: Water  
Collect Date: 11-JUN-07 12:22  
Receive Date: 12-JUN-07 09:30  
Collector: Client

Project: BRKL00504  
Client ID: BRKL005  
COC: 24342  
Samp Recv.:  
Client Desc.: STP Influent

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
<b>Solids Analysis Federal</b>										
<i>EPA 160.2 Total Suspended Liq</i>										
Total Suspended Solids		43.8	4.38	19.2	mg/L		SXS2 06/13/07	1245	642314	1

### The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 160.2	

~~out~~  
STP Influent  
Sampled 6/4/07  
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: July 11, 2007

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

Client Sample ID: 24362-003  
Sample ID: 187901003  
Matrix: Water  
Collect Date: 13-JUN-07 11:40  
Receive Date: 14-JUN-07 10:15  
Collector: Client

Project: BRKL00504  
Client ID: BRKL005  
COC: 24362  
Samp Recv.:  
Client Desc.: STP Influent

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
<b>Solids Analysis Federal</b>										
<i>EPA 160.2 Total Suspended Liq</i>										
Total Suspended Solids		66.0	5.70	25.0	mg/L		SXS2 06/18/07	1503	643179	1

### The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 160.2	

STP Influent  
sampled 6/13/07  
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: July 12, 2007

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

Client Sample ID: 24365-003  
Sample ID: 188062003  
Matrix: Water  
Collect Date: 15-JUN-07 11:00  
Receive Date: 16-JUN-07 09:30  
Collector: Client

Project: BRKL00504  
Client ID: BRKL005  
COC: 24365  
Samp Recv.:  
Client Desc.: STP Influent

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
<b>Solids Analysis Federal</b>										
<i>EPA 160.2 Total Suspended Liq</i>										
Total Suspended Solids		109	5.70	25.0	mg/L		SXS2 06/19/07	1052	643608	1

### The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 160.2	

STP Influent  
sampled 6/15/07  
24 hour composite





**ATTACHMENT III**

**BROOKHAVEN NATIONAL LABORATORY**

**SPDES PERMIT NO. NY0005835**

**DISCHARGE MONITORING REPORT FOR JUNE 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: 183767	Date Collected: 04/04/2007 14:30	Matrix: WATER
Lab Sample ID: 183767005	Date Received: 04/06/2007 09:15	
Client Sample: B-535-PCB	Client: BRKL005	Project: BRKL00504
Client ID: 24003-005	Method: EPA 625	SOP Ref: GL-OA-E-009
Batch ID: 623768	Inst: MSD6.I	Dilution: 1
Run Date: 04/10/2007 12:49	Analyst: JLD1	Inj. Vol: .5 uL
Prep Date: 04/09/2007 17:23	Aliquot: 1050 mL	Final Volume: 1 mL
Data File: s6d0933.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	9.52	ug/L	1.90	9.52	10.0
108-95-2	Phenol	U	9.52	ug/L	0.952	9.52	10.0
95-57-8	2-Chlorophenol	U	9.52	ug/L	1.90	9.52	10.0
106-46-7	1,4-Dichlorobenzene	U	9.52	ug/L	1.90	9.52	10.0
621-64-7	N-Nitrosodipropylamine	U	9.52	ug/L	1.90	9.52	10.0
59-50-7	4-Chloro-3-methylphenol	U	9.52	ug/L	1.90	9.52	10.0
83-32-9	Acenaphthene	U	0.952	ug/L	0.295	0.952	10.0
121-14-2	2,4-Dinitrotoluene	U	9.52	ug/L	1.90	9.52	10.0
100-02-7	4-Nitrophenol	U	9.52	ug/L	1.90	9.52	50.0
87-86-5	Pentachlorophenol	U	9.52	ug/L	1.90	9.52	50.0
129-00-0	Pyrene	U	0.952	ug/L	0.286	0.952	10.0
111-44-4	bis(2-Chloroethyl) ether	U	9.52	ug/L	1.90	9.52	10.0
541-73-1	1,3-Dichlorobenzene	U	9.52	ug/L	1.90	9.52	10.0
95-50-1	1,2-Dichlorobenzene	U	9.52	ug/L	1.90	9.52	10.0
108-60-1	bis(2-Chloroisopropyl)ether	U	9.52	ug/L	1.90	9.52	10.0
67-72-1	Hexachloroethane	U	9.52	ug/L	1.90	9.52	10.0
98-95-3	Nitrobenzene	U	9.52	ug/L	2.86	9.52	10.0
78-59-1	Isophorone	U	9.52	ug/L	1.90	9.52	10.0
88-75-5	2-Nitrophenol	U	9.52	ug/L	1.90	9.52	10.0
105-67-9	2,4-Dimethylphenol	U	9.52	ug/L	1.90	9.52	10.0
111-91-1	bis(2-Chloroethoxy)methane	U	9.52	ug/L	2.86	9.52	10.0
120-83-2	2,4-Dichlorophenol	U	9.52	ug/L	1.90	9.52	10.0
91-20-3	Naphthalene	U	0.952	ug/L	0.286	0.952	10.0
87-68-3	Hexachlorobutadiene	U	9.52	ug/L	1.90	9.52	10.0
77-47-4	Hexachlorocyclopentadiene	U	9.52	ug/L	1.90	9.52	10.0
88-06-2	2,4,6-Trichlorophenol	U	9.52	ug/L	1.90	9.52	10.0
91-58-7	2-Chloronaphthalene	U	0.952	ug/L	0.333	0.952	10.0
131-11-3	Dimethylphthalate	U	9.52	ug/L	1.90	9.52	10.0
606-20-2	2,6-Dinitrotoluene	U	9.52	ug/L	1.90	9.52	10.0
208-96-8	Acenaphthylene	U	0.952	ug/L	0.190	0.952	10.0
51-28-5	2,4-Dinitrophenol	U	19.0	ug/L	9.52	19.0	50.0
84-66-2	Diethylphthalate	U	9.52	ug/L	1.90	9.52	10.0
86-73-7	Fluorene	U	0.952	ug/L	0.190	0.952	10.0
7005-72-3	4-Chlorophenylphenylether	U	9.52	ug/L	1.90	9.52	10.0
534-52-1	2-Methyl-4,6-dinitrophenol	U	9.52	ug/L	2.86	9.52	50.0
122-39-4	Diphenylamine	U	9.52	ug/L	2.86	9.52	10.0
101-55-3	4-Bromophenylphenylether	U	9.52	ug/L	1.90	9.52	10.0
118-74-1	Hexachlorobenzene	U	9.52	ug/L	1.90	9.52	10.0

Building 535 (PCB)  
Sampled 4/4/07

Semi-Volatile  
Certificate of Analysis  
Sample Summary

SDG Number: 183767	Date Collected: 04/04/2007 14:30	Matrix: WATER
Lab Sample ID: 183767005	Date Received: 04/06/2007 09:15	
Client Sample: B-535-PCB	Client: BRKL005	Project: BRKL00504
Client ID: 24003-005	Method: EPA 625	SOP Ref: GL-OA-E-009
Batch ID: 623768	Inst: MSD6.I	Dilution: 1
Run Date: 04/10/2007 12:49	Analyst: JLD1	Inj. Vol: .5 uL
Prep Date: 04/09/2007 17:23	Aliquot: 1050 mL	Final Volume: 1 mL
Data File: s6d0933.d	Column: J&W DB-5MS	Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	RDL
85-01-8	Phenanthrene	U	0.952	ug/L	0.190	0.952	10.0
120-12-7	Anthracene	U	0.952	ug/L	0.190	0.952	10.0
84-74-2	Di-n-butylphthalate	U	9.52	ug/L	1.90	9.52	10.0
206-44-0	Fluoranthene	U	0.952	ug/L	0.190	0.952	10.0
85-68-7	Butylbenzylphthalate	U	9.52	ug/L	1.90	9.52	10.0
56-55-3	Benzo(a)anthracene	U	0.952	ug/L	0.190	0.952	10.0
91-94-1	3,3'-Dichlorobenzidine	U	9.52	ug/L	0.952	9.52	40.0
218-01-9	Chrysene	U	0.952	ug/L	0.190	0.952	10.0
117-81-7	bis(2-Ethylhexyl)phthalate	U	9.52	ug/L	1.90	9.52	10.0
117-84-0	Di-n-octylphthalate	U	9.52	ug/L	2.86	9.52	10.0
205-99-2	Benzo(b)fluoranthene	U	0.952	ug/L	0.190	0.952	10.0
207-08-9	Benzo(k)fluoranthene	U	0.952	ug/L	0.190	0.952	10.0
50-32-8	Benzo(a)pyrene	U	0.952	ug/L	0.190	0.952	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.952	ug/L	0.190	0.952	10.0
53-70-3	Dibenzo(a,h)anthracene	U	0.952	ug/L	0.190	0.952	10.0
191-24-2	Benzo(ghi)perylene	U	0.952	ug/L	0.190	0.952	10.0
120-82-1	1,2,4-Trichlorobenzene	U	9.52	ug/L	1.90	9.52	10.0

METALS  
-1-  
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 183767

METHOD TYPE: SW846

SAMPLE ID: 183767005

CLIENT ID: 24003-005

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 06-APR-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	041207-1
7440-36-0	Antimony	4	ug/L	U		P	4	1	TRACE2	041207-1
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS6	070409-3
7440-39-3	Barium	19.2	ug/L	B		P	1	1	TRACE2	041207-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	TRACE2	041207-1
7440-43-9	Cadmium	1	ug/L	U		P	1	1	TRACE2	041207-1
7440-70-2	Calcium	5430	ug/L			P	36	1	TRACE2	041207-1
7440-47-3	Chromium	1.8	ug/L	B		P	1	1	TRACE2	041207-1
7440-48-4	Cobalt	1	ug/L	U		P	1	1	TRACE2	041207-1
7440-50-8	Copper	452	ug/L			P	3	1	TRACE2	041207-1
7439-89-6	Iron	52.8	ug/L	B		P	18	1	TRACE2	041207-1
7439-92-1	Lead	11.8	ug/L			MS	0.5	1	ICPMS6	070409-3
7439-95-4	Magnesium	2650	ug/L	B		P	85	1	TRACE2	041207-1
7439-96-5	Manganese	47.2	ug/L			P	2	1	TRACE2	041207-1
7439-97-6	Mercury	0.060	ug/L	U		AV	0.06	1	MER536	042007W2-2
7440-02-0	Nickel	31.2	ug/L	B		P	1	1	TRACE2	041207-1
7440-09-7	Potassium	1010	ug/L	B		P	50	1	TRACE2	041207-1
7782-49-2	Selenium	2.5	ug/L	U		MS	2.5	1	ICPMS6	070409-3
7440-22-4	Silver	1	ug/L	U		P	1	1	TRACE2	041207-1
7440-23-5	Sodium	18300	ug/L			P	45	1	TRACE2	041207-1
7440-28-0	Thallium	0.40	ug/L	U		MS	0.4	1	ICPMS6	070409-3
7440-62-2	Vanadium	1	ug/L	U		P	1	1	TRACE2	041207-1
7440-66-6	Zinc	108	ug/L			P	2	1	TRACE2	041207-1

Building 535 (PCB)  
Sampled 4/4/07

Semi-Volatile  
Certificate of Analysis  
Sample Summary

Page 1 of 2

SDG Number: 184680	Date Collected: 04/19/2007 13:45	Matrix: WATER
Lab Sample ID: 184680001	Date Received: 04/20/2007 09:30	
Client Sample: Bldg 498 CF	Client: BRKL005	Project: BRKL00504
Client ID: 24145-001	Method: EPA 625	SOP Ref: GL-OA-E-009
Batch ID: 628004	Inst: MSD6.I	Dilution: 1
Run Date: 04/25/2007 20:33	Analyst: JLD1	Inj. Vol: .5 uL
Prep Date: 04/24/2007 14:32	Aliquot: 1000 mL	Final Volume: 1 mL
Data File: s6d2526.d	Column: J&W DB-5MS	Level: LOW

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

Building 498 Cleaning Facility  
Sampled 4/19/07

Semi-Volatile  
Certificate of Analysis  
Sample Summary

SDG Number: 184680	Date Collected: 04/19/2007 13:45	Matrix: WATER
Lab Sample ID: 184680001	Date Received: 04/20/2007 09:30	
Client Sample: Bldg 498 CF	Client: BRKL005	Project: BRKL00504
Client ID: 24145-001	Method: EPA 625	SOP Ref: GL-OA-E-009
Batch ID: 628004	Inst: MSD6.I	Dilution: 1
Run Date: 04/25/2007 20:33	Analyst: JLD1	Inj. Vol: .5 uL
Prep Date: 04/24/2007 14:32	Aliquot: 1000 mL	Final Volume: 1 mL
Data File: s6d2526.d	Column: J&W DB-5MS	Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	RDL
85-01-8	Phenanthrene	U	1.00	ug/L	0.200	1.00	10.0
120-12-7	Anthracene	U	1.00	ug/L	0.200	1.00	10.0
84-74-2	Di-n-butylphthalate	U	10.0	ug/L	2.00	10.0	10.0
206-44-0	Fluoranthene	U	1.00	ug/L	0.200	1.00	10.0
85-68-7	Butylbenzylphthalate	U	10.0	ug/L	2.00	10.0	10.0
56-55-3	Benzo(a)anthracene	U	1.00	ug/L	0.200	1.00	10.0
91-94-1	3,3'-Dichlorobenzidine	U	10.0	ug/L	1.00	10.0	40.0
218-01-9	Chrysene	U	1.00	ug/L	0.200	1.00	10.0
117-81-7	bis(2-Ethylhexyl)phthalate	J	4.55	ug/L	2.00	10.0	10.0
117-84-0	Di-n-octylphthalate	U	10.0	ug/L	3.00	10.0	10.0
205-99-2	Benzo(b)fluoranthene	U	1.00	ug/L	0.200	1.00	10.0
207-08-9	Benzo(k)fluoranthene	U	1.00	ug/L	0.200	1.00	10.0
50-32-8	Benzo(a)pyrene	U	1.00	ug/L	0.200	1.00	10.0
193-39-5	Indeno(1,2,3-cd)pyrene	U	1.00	ug/L	0.200	1.00	10.0
53-70-3	Dibenzo(a,h)anthracene	U	1.00	ug/L	0.200	1.00	10.0
191-24-2	Benzo(ghi)perylene	U	1.00	ug/L	0.200	1.00	10.0
120-82-1	1,2,4-Trichlorobenzene	U	10.0	ug/L	2.00	10.0	10.0

METALS  
-1-  
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 184680

METHOD TYPE: SW846

SAMPLE ID: 184680001

CLIENT ID: 24145-001

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 20-APR-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	106	ug/L	B		P	68	1	TRACE2	042507-1
7440-36-0	Antimony	5.7	ug/L	B		P	4	1	TRACE2	042507-1
7440-38-2	Arsenic	2.1	ug/L	B		MS	1.5	1	ICPMS6	070424-3
7440-39-3	Barium	1	ug/L	U		P	1	1	TRACE2	042507-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	TRACE2	042507-1
7440-43-9	Cadmium	1	ug/L	U		P	1	1	TRACE2	042507-1
7440-70-2	Calcium	85.7	ug/L	B		P	36	1	TRACE2	042507-1
7440-47-3	Chromium	3.1	ug/L	B		P	1	1	TRACE2	042507-1
7440-48-4	Cobalt	1	ug/L	U		P	1	1	TRACE2	042507-1
7440-50-8	Copper	19	ug/L	B		P	3	1	TRACE2	042507-1
7439-89-6	Iron	87.6	ug/L	B		P	18	1	TRACE2	042507-1
7439-92-1	Lead	0.50	ug/L	U		MS	0.5	1	ICPMS6	070424-3
7439-95-4	Magnesium	85	ug/L	U		P	85	1	TRACE2	042507-1
7439-96-5	Manganese	2.9	ug/L	B		P	2	1	TRACE2	042507-1
7439-97-6	Mercury	0.060	ug/L	U		AV	0.06	1	MER536	042607W2-2
7440-02-0	Nickel	2.6	ug/L	B		P	1	1	TRACE2	042507-1
7440-09-7	Potassium	1210	ug/L	B		P	50	1	TRACE2	042507-1
7782-49-2	Selenium	2.5	ug/L	U		MS	2.5	1	ICPMS6	070424-3
7440-22-4	Silver	1	ug/L	U		P	1	1	TRACE2	042507-1
7440-23-5	Sodium	39100	ug/L			P	45	1	TRACE2	042507-1
7440-28-0	Thallium	0.40	ug/L	U		MS	0.4	1	ICPMS6	070424-3
7440-62-2	Vanadium	1	ug/L	U		P	1	1	TRACE2	042507-1
7440-66-6	Zinc	3.2	ug/L	B		P	2	1	TRACE2	042507-1

Building 498 Cleaning Facility  
Sampled 4/19/07



# CHEMTEX

Environmental & Industrial Hygiene Services

3082 25<sup>th</sup> Street, Port Arthur, TX 77642

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

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

Report Date: 04/20/07

Attn: **Mr. B. Lee**

**AIHA** Laboratory # 101478

**nelap** certificate # T104704239-06-TX

RESULTS OF ANALYSIS

PROJECT: ES SPDES

Bldg. 902 CT  
 sampled 4/10/07

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
24021	Bldg 902	W	Bldg 902	04/10/07	15:25	04/11/07		P7040458	0						
	Polypropylene Glycol Monobutyl Ether (PPGMBE)	< 0.5		0.5	mg/l	04/19/07	SOP # O 081-045	P7040462	04/15/07	1000ml ▼ 1 ml					

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

Facilities are also available at:  
 5544 Leopard Street, Corpus Christi, Tx 78408 | 361|299-9900 FAX 361|299-1155

# GEL LABORATORIES LLC

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

## Certificate of Analysis

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

Report Date: July 11, 2007

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

Client Sample ID:	24356-002	Project:	BRKL00504
Sample ID:	187886002	Client ID:	BRKL005
Matrix:	Water	COC:	24356
Collect Date:	13-JUN-07 11:00	Samp Recv.:	
Receive Date:	14-JUN-07 10:15	Client Desc.:	HN
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
<b>Flow Injection Analysis Federal</b>											
<i>SW9012A Cyanide, Total Federal</i>											
Cyanide, Total	U	-0.668	1.50	5.00	ug/L	1	KLP1	06/18/07	1157	643056	1
<b>Oil &amp; Grease Analysis Federal</b>											
<i>EPA 1664A n-Hexane Extractable Material (Oil and G</i>											
Oil and Grease	U	0.600	0.880	4.00	mg/L		EXF1	06/20/07	1118	644276	2
<b>Titration Analysis Federal</b>											
<i>EPA 130.2 Total Hardness Federal</i>											
Hardness as CaCO3		99.9	1.00	2.00	mg/L		BXM2	07/06/07	1835	649052	3

**The following Prep Methods were performed**

Method	Description	Analyst	Date	Time	Prep Batch
SW846 9010B Prep	SW846 9010B Prep	NXMI	06/15/07	1745	643055

**The following Analytical Methods were performed**

Method	Description	Analyst Comments
1	SW846 9012A	
2	EPA 1664A	
3	EPA 130.2	

Outfall 002 (HN)  
 Sampled 6/13/07  
 Grab

Volatile  
Certificate of Analysis  
Sample Summary

SDG Number: 183609	Date Collected: 04/03/2007 10:23	Matrix: WATER
Lab Sample ID: 183609004	Date Received: 04/04/2007 10:00	
Client Sample: HN	Client: BRKL005	Project: BRKL00504
Client ID: 23998-003	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 623585	Inst: VOA9.I	Dilution: 1
Run Date: 04/08/2007 02:25	Analyst: GRB2	Purge Vol: 5 mL
Prep Date: 04/08/2007 02:25		
Data File: 9e632.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	
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	
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	5.00
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	
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	
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	
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 002 (HN)  
Sampled 4/3/07

METALS  
-1-  
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 183609

METHOD TYPE: SW846

SAMPLE ID: 183609004

CLIENT ID: 23998-003

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 04-APR-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	69.1	ug/L	B		P	68	1	TRACE2	040907-1
7440-36-0	Antimony	4	ug/L	U		P	4	1	TRACE2	040907-1
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS6	070405-4
7440-39-3	Barium	47.4	ug/L	B		P	1	1	TRACE2	040907-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	TRACE2	040907-1
7440-43-9	Cadmium	1	ug/L	U		P	1	1	TRACE2	040907-1
7440-70-2	Calcium	20200	ug/L			P	36	1	TRACE2	040907-1
7440-47-3	Chromium	1.8	ug/L	B		P	1	1	TRACE2	040907-1
7440-48-4	Cobalt	1	ug/L	U		P	1	1	TRACE2	040907-1
7440-50-8	Copper	88	ug/L			P	3	1	TRACE2	040907-1
7439-89-6	Iron	384	ug/L			P	18	1	TRACE2	040907-1
7439-92-1	Lead	0.860	ug/L	B		MS	0.5	1	ICPMS6	070405-4
7439-95-4	Magnesium	8280	ug/L			P	85	1	TRACE2	040907-1
7439-96-5	Manganese	37.5	ug/L			P	2	1	TRACE2	040907-1
7439-97-6	Mercury	0.060	ug/L	U		AV	0.06	1	MER536	042007W2-3
7440-02-0	Nickel	7.9	ug/L	B		P	1	1	TRACE2	040907-1
7440-09-7	Potassium	6730	ug/L			P	50	1	TRACE2	041007-2
7782-49-2	Selenium	2.5	ug/L	U		MS	2.5	1	ICPMS6	070405-4
7440-22-4	Silver	1	ug/L	U		P	1	1	TRACE2	040907-1
7440-23-5	Sodium	70900	ug/L			P	45	1	TRACE2	041007-2
7440-28-0	Thallium	0.40	ug/L	U		MS	0.4	1	ICPMS6	070405-4
7440-62-2	Vanadium	1	ug/L	U		P	1	1	TRACE2	040907-1
7440-66-6	Zinc	174	ug/L			P	2	1	TRACE2	040907-1

outfall 002(HN)

Sampled 4/3/07

(unfiltered)

METALS  
-1-  
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 183609

METHOD TYPE: SW846

SAMPLE ID: 183609005

CLIENT ID: 23998-004

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 04-APR-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	040907-1
7440-36-0	Antimony	4	ug/L	U		P	4	1	TRACE2	040907-1
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS6	070405-4
7440-39-3	Barium	37.5	ug/L	B		P	1	1	TRACE2	040907-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	TRACE2	040907-1
7440-43-9	Cadmium	1	ug/L	U		P	1	1	TRACE2	040907-1
7440-70-2	Calcium	17800	ug/L			P	36	1	TRACE2	040907-1
7440-47-3	Chromium	1	ug/L	U		P	1	1	TRACE2	040907-1
7440-48-4	Cobalt	1.8	ug/L	B		P	1	1	TRACE2	040907-1
7440-50-8	Copper	51.9	ug/L			P	3	1	TRACE2	040907-1
7439-89-6	Iron	145	ug/L			P	18	1	TRACE2	040907-1
7439-92-1	Lead	0.50	ug/L	U		MS	0.5	1	ICPMS6	070405-4
7439-95-4	Magnesium	6890	ug/L			P	85	1	TRACE2	040907-1
7439-96-5	Manganese	24.3	ug/L			P	2	1	TRACE2	040907-1
7439-97-6	Mercury	0.060	ug/L	U		AV	0.06	1	MER536	042007W2-3
7440-02-0	Nickel	4.8	ug/L	B		P	1	1	TRACE2	040907-1
7440-09-7	Potassium	5180	ug/L			P	50	1	TRACE2	041007-2
7782-49-2	Selenium	2.5	ug/L	U		MS	2.5	1	ICPMS6	070405-4
7440-22-4	Silver	1	ug/L	U		P	1	1	TRACE2	040907-1
7440-23-5	Sodium	64200	ug/L			P	45	1	TRACE2	041007-2
7440-28-0	Thallium	0.40	ug/L	U		MS	0.4	1	ICPMS6	070405-4
7440-62-2	Vanadium	1	ug/L	U		P	1	1	TRACE2	040907-1
7440-66-6	Zinc	133	ug/L			P	2	1	TRACE2	040907-1

Outfall 902 (HN)  
Sampled 4/3/07  
(Filtered)

# CHEMTX

Environmental & Industrial Hygiene Services

3082 25<sup>th</sup> Street, Port Arthur, TX 77642

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

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

Report Date: 04/20/07

**AIHA** Laboratory # 101478

**nelap** certificate # T104704239-06-TX

RESULTS OF ANALYSIS  
PROJECT: ES SPDES

ATTACHMENT 1

Outfall 002 (HN)  
 Sampled 4/10/07

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
24021	HN	W	HN	04/10/07	15:45	04/11/07		P7040458	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	04/11/07	EPA 365.3	P7040460							
	Inorganic Phosphorus	0.12		0.05	mg/l	04/11/07	EPA 365.3								
	Total Phosphorus	0.15		0.05	mg/l	04/11/07	EPA 365.3								
	Tolyltriazole(TTA)	< 0.005		0.005	mg/l	04/17/07	SOP # O121-049								

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

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

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

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

# CHEMTEX

Environmental & Industrial Hygiene Services

3082 25<sup>th</sup> Street, Port Arthur, TX 77642

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

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

Report Date: 04/19/07

**AIHA** Laboratory # 101478

**nelap** certificate # T104704239-06-TX

RESULTS OF ANALYSIS  
PROJECT: ES SPDES

Outfall 002B (1004/1002)  
 Sampled 4/12/07

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
24120	1004/1002	W	1004/1002	04/12/07	13:30	04/14/07		P7040573	0						
	HEDP as Organic Phosphorus	<0.05/ <0.05*		0.05	mg/l	04/14/07	EPA 365.3	P7040573							
	Inorganic Phosphorus	<0.05/ <0.05*		0.05	mg/l	04/14/07	EPA 365.3								
	Total Phosphorus	<0.05/ <0.05*		0.05	mg/l	04/14/07	EPA 365.3								
	Tolyltriazole(TTA)	< 0.005		0.005	mg/l	04/17/07	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:  
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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: July 11, 2007

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

Client Sample ID: 24359-002  
 Sample ID: 187896002  
 Matrix: Water  
 Collect Date: 13-JUN-07 10:10  
 Receive Date: 14-JUN-07 10:15  
 Collector: Client

Project: BRKL00504  
 Client ID: BRKL005  
 COC: 24359  
 Samp Recv.:  
 Client Desc.: HS

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
<b>Flow Injection Analysis Federal</b>										
<i>SW9012A Cyanide, Total Federal</i>										
Cyanide, Total	U	-3.22	1.50	5.00	ug/L	1	KLP1 06/18/07	1210	643056	1
<b>Oil &amp; Grease Analysis Federal</b>										
<i>EPA 1664A n-Hexane Extractable Material (Oil and G</i>										
Oil and Grease	U	0.600	0.880	4.00	mg/L		EXF1 06/20/07	1118	644276	2
<b>Titration Analysis Federal</b>										
<i>EPA 130.2 Total Hardness Federal</i>										
Hardness as CaCO3		41.2	1.00	2.00	mg/L		BXM207/06/07	1840	649052	3

**The following Prep Methods were performed**

Method	Description	Analyst	Date	Time	Prep Batch
SW846 9010B Prep	SW846 9010B Prep	NXM1	06/15/07	1745	643055

**The following Analytical Methods were performed**

Method	Description	Analyst Comments
1	SW846 9012A	
2	EPA 1664A	
3	EPA 130.2	

Outfall 005 (HS)  
 sampled 6/13/07  
 Grab



METALS  
-1-  
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 183609

METHOD TYPE: SW846

SAMPLE ID: 183609006

CLIENT ID: 23998-005

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 04-APR-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	040907-1
7440-36-0	Antimony	4	ug/L	U		P	4	1	TRACE2	040907-1
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS6	070405-4
7440-39-3	Barium	18.5	ug/L	B		P	1	1	TRACE2	040907-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	TRACE2	040907-1
7440-43-9	Cadmium	1	ug/L	U		P	1	1	TRACE2	040907-1
7440-70-2	Calcium	6150	ug/L			P	36	1	TRACE2	040907-1
7440-47-3	Chromium	1	ug/L	U		P	1	1	TRACE2	040907-1
7440-48-4	Cobalt	1	ug/L	U		P	1	1	TRACE2	040907-1
7440-50-8	Copper	3	ug/L	B		P	3	1	TRACE2	040907-1
7439-89-6	Iron	146	ug/L			P	18	1	TRACE2	040907-1
7439-92-1	Lead	0.50	ug/L	U		MS	0.5	1	ICPMS6	070405-4
7439-95-4	Magnesium	2860	ug/L	B		P	85	1	TRACE2	040907-1
7439-96-5	Manganese	11	ug/L	B		P	2	1	TRACE2	040907-1
7439-97-6	Mercury	0.060	ug/L	U		AV	0.06	1	MER536	042007W2-3
7440-02-0	Nickel	2.1	ug/L	B		P	1	1	TRACE2	040907-1
7440-09-7	Potassium	849	ug/L	B		P	50	1	TRACE2	041007-2
7782-49-2	Selenium	2.5	ug/L	U		MS	2.5	1	ICPMS6	070405-4
7440-22-4	Silver	1	ug/L	U		P	1	1	TRACE2	040907-1
7440-23-5	Sodium	18700	ug/L			P	45	1	TRACE2	041007-2
7440-28-0	Thallium	0.40	ug/L	U		MS	0.4	1	ICPMS6	070405-4
7440-62-2	Vanadium	1	ug/L	U		P	1	1	TRACE2	040907-1
7440-66-6	Zinc	21.5	ug/L			P	2	1	TRACE2	040907-1

Outfall 005 (Hs)  
Sampled 4/3/07

# CHEMTEX

Environmental & Industrial Hygiene Services

3082 25<sup>th</sup> Street, Port Arthur, TX 77642

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

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

Attn: **Mr. B. Lee**

Report Date: 04/20/07

**AIHA** Laboratory # 101478

**nelap** certificate # T104704239-06-TX

RESULTS OF ANALYSIS  
PROJECT: ES SPDES

outfall 005 (HS)  
 Sampled 4/10/07

ATTACHMENT I

COC_num	Site-ID	Samp_type	Samp-ID	Samp_date	Samp_time	Rec_date	SDG	Lab_file-ID	Samp_depth	Flow_rate	Notes				
24021	HS	W	HS	04/10/07	16:00	04/11/07		P7040458	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	04/11/07	EPA 365.3	P7040461							
	Inorganic Phosphorus	< 0.05		0.05	mg/l	04/11/07	EPA 365.3								
	Total Phosphorus	< 0.05		0.05	mg/l	04/11/07	EPA 365.3								
	Tolytriazole(TTA)	< 0.005		0.005	mg/l	04/17/07	SOP # O121-049								

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

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

Facilities are also available at:  
 5544 Leopard Street, Corpus Christi, Tx 78408 (361)299-9900 FAX (361)299-1155  
 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: July 11, 2007

Client Sample ID:	24337-002	Project:	BRKL00504
Sample ID:	187765002	Client ID:	BRKL005
Matrix:	Water	COC:	24337
Collect Date:	11-JUN-07 11:30	Samp Recv.:	
Receive Date:	13-JUN-07 09:00	Client Desc.:	HT-W
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
<b>Flow Injection Analysis Federal</b>											
<i>SW9012A Cyanide, Total Federal</i>											
Cyanide, Total	U	1.31	1.50	5.00	ug/L	1	KLP1	06/15/07	1313	642819	1
<b>Oil &amp; Grease Analysis Federal</b>											
<i>EPA 1664A n-Hexane Extractable Material (Oil and G</i>											
Oil and Grease	U	0.800	0.880	4.00	mg/L		EXF1	06/14/07	1052	642644	2
<b>Titration Analysis Federal</b>											
<i>EPA 130.2 Total Hardness Federal</i>											
Hardness as CaCO3		90.6	1.00	2.00	mg/L		BXM2	07/06/07	1832	649052	3

**The following Prep Methods were performed**

Method	Description	Analyst	Date	Time	Prep Batch
SW846 9010B Prep	SW846 9010B Prep	NXM1	06/14/07	1458	642818

**The following Analytical Methods were performed**

Method	Description	Analyst Comments
1	SW846 9012A	
2	EPA 1664A	
3	EPA 130.2	

Outfall 006A (HT-W)  
 sampled 6/11/07  
 Grab

# CHEMTEX

Environmental & Industrial Hygiene Services

3082 25<sup>th</sup> Street, Port Arthur, TX 77642

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

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

Report Date: 04/20/07

Attn: **Mr. B. Lee**

**AIHA** Laboratory # 101478

**nelap** certificate # T104704239-06-TX

RESULTS OF ANALYSIS

PROJECT: ES SPDES

Outfall 008A (HT-W)  
 Sampled 4/10/07

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
24021	HT-W	W	HT-W	04/10/07	15:35	04/11/07		P7040458	0						
	HEDP as Organic Phosphorus	< 0.05		0.05	mg/l	04/11/07	EPA 365.3	P7040458							
	Inorganic Phosphorus	< 0.05		0.05	mg/l	04/11/07	EPA 365.3								
	Total Phosphorus	< 0.05		0.05	mg/l	04/11/07	EPA 365.3								
	Tolyltriazole(TTA)	< 0.005		0.005	mg/l	04/17/07	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

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

# GEL LABORATORIES LLC

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

## Certificate of Analysis

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

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

Report Date: July 11, 2007

Client Sample ID: 24333-002	Project: BRKL00504
Sample ID: 187763002	Client ID: BRKL005
Matrix: Water	COC: 24333
Collect Date: 11-JUN-07 12:00	Samp Recv.: Client Desc.: HT-E
Receive Date: 13-JUN-07 09:00	
Collector: Client	

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
<b>Flow Injection Analysis Federal</b>											
<i>SW9012A Cyanide, Total Federal</i>											
Cyanide, Total	U	-1.35	1.50	5.00	ug/L	1	KLP1	06/15/07	1312	642819	1
<b>Oil &amp; Grease Analysis Federal</b>											
<i>EPA 1664A n-Hexane Extractable Material (Oil and G</i>											
Oil and Grease	J	1.50	0.880	4.00	mg/L		EXF1	06/14/07	1458	642644	2
<b>Titration Analysis Federal</b>											
<i>EPA 130.2 Total Hardness Federal</i>											
Hardness as CaCO3		144	2.00	4.00	mg/L		BXM2	07/06/07	1827	649052	3

**The following Prep Methods were performed**

Method	Description	Analyst	Date	Time	Prep Batch
SW846 9010B Prep	SW846 9010B Prep	NXMI	06/14/07	1458	642818

**The following Analytical Methods were performed**

Method	Description	Analyst Comments
1	SW846 9012A	
2	EPA 1664A	
3	EPA 130.2	

outfall 006B (HT-E)  
 sampled 6/11/07  
~~24~~ Grab

# CHEMTEX

Environmental & Industrial Hygiene Services

3082 25<sup>th</sup> Street, Port Arthur, TX 77642

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

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

Attn: **Mr. B. Lee**

Report Date: 04/20/07

**AIHA** Laboratory # 101478

**nelap** certificate # T104704239-06-TX

RESULTS OF ANALYSIS  
PROJECT: ES SPDES

ATTACHMENT 1

Outfall 006B (HT-E)  
 Sampled 4/10/07

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
24021	HT-E	W	HT-E	04/10/07	15:39	04/11/07		P7040458	0						
	HEDP as Organic Phosphorus	0.06		0.05	mg/l	04/11/07	EPA 365.3	P7040459							
	Inorganic Phosphorus	0.52		0.05	mg/l	04/11/07	EPA 365.3								
	Total Phosphorus	0.58		0.05	mg/l	04/11/07	EPA 365.3								
	Tolyltriazole(TTA)	< 0.005		0.005	mg/l	04/17/07	SOP # O121-049								

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

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METALS  
-1-  
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 183767

METHOD TYPE: SW846

SAMPLE ID: 183767001

CLIENT ID: 24003-001

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 06-APR-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	94.1	ug/L	B		P	68	1	TRACE2	041207-1
7440-36-0	Antimony	4	ug/L	U		P	4	1	TRACE2	041207-1
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS6	070409-3
7440-39-3	Barium	3.2	ug/L	B		P	1	1	TRACE2	041207-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	TRACE2	041207-1
7440-43-9	Cadmium	1	ug/L	U		P	1	1	TRACE2	041207-1
7440-70-2	Calcium	2150	ug/L	B		P	36	1	TRACE2	041207-1
7440-47-3	Chromium	2	ug/L	B		P	1	1	TRACE2	041207-1
7440-48-4	Cobalt	1.7	ug/L	B		P	1	1	TRACE2	041207-1
7440-50-8	Copper	3.9	ug/L	B		P	3	1	TRACE2	041207-1
7439-89-6	Iron	78	ug/L	B		P	18	1	TRACE2	041207-1
7439-92-1	Lead	0.50	ug/L	U		MS	0.5	1	ICPMS6	070409-3
7439-95-4	Magnesium	330	ug/L	B		P	85	1	TRACE2	041207-1
7439-96-5	Manganese	5.2	ug/L	B		P	2	1	TRACE2	041207-1
7439-97-6	Mercury	0.060	ug/L	U		AV	0.06	1	MER536	042007W2-2
7440-02-0	Nickel	1	ug/L	U		P	1	1	TRACE2	041207-1
7440-09-7	Potassium	261	ug/L	B		P	50	1	TRACE2	041207-1
7782-49-2	Selenium	2.5	ug/L	U		MS	2.5	1	ICPMS6	070409-3
7440-22-4	Silver	1	ug/L	U		P	1	1	TRACE2	041207-1
7440-23-5	Sodium	3810	ug/L	B		P	45	1	TRACE2	041207-1
7440-28-0	Thallium	0.40	ug/L	U		MS	0.4	1	ICPMS6	070409-3
7440-62-2	Vanadium	1.5	ug/L	B		P	1	1	TRACE2	041207-1
7440-66-6	Zinc	12.3	ug/L	B		P	2	1	TRACE2	041207-1

Outfall 005 (HW)  
Sampled 4/4/07

METALS  
-1-  
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 183767

METHOD TYPE: SW846

SAMPLE ID: 183767002

CLIENT ID: 24003-002

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 06-APR-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	274	ug/L			P	68	1	TRACE2	041207-1
7440-36-0	Antimony	4	ug/L	U		P	4	1	TRACE2	041207-1
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS6	070409-3
7440-39-3	Barium	2.5	ug/L	B		P	1	1	TRACE2	041207-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	TRACE2	041207-1
7440-43-9	Cadmium	1	ug/L	U		P	1	1	TRACE2	041207-1
7440-70-2	Calcium	2350	ug/L	B		P	36	1	TRACE2	041207-1
7440-47-3	Chromium	1.9	ug/L	B		P	1	1	TRACE2	041207-1
7440-48-4	Cobalt	2.8	ug/L	B		P	1	1	TRACE2	041207-1
7440-50-8	Copper	7.8	ug/L	B		P	3	1	TRACE2	041207-1
7439-89-6	Iron	201	ug/L			P	18	1	TRACE2	041207-1
7439-92-1	Lead	1.6	ug/L	B		MS	0.5	1	ICPMS6	070409-3
7439-95-4	Magnesium	275	ug/L	B		P	85	1	TRACE2	041207-1
7439-96-5	Manganese	6.8	ug/L	B		P	2	1	TRACE2	041207-1
7439-97-6	Mercury	0.060	ug/L	U		AV	0.06	1	MER536	042007W2-2
7440-02-0	Nickel	2.2	ug/L	B		P	1	1	TRACE2	041207-1
7440-09-7	Potassium	223	ug/L	B		P	50	1	TRACE2	041207-1
7782-49-2	Selenium	2.5	ug/L	U		MS	2.5	1	ICPMS6	070409-3
7440-22-4	Silver	1	ug/L	U		P	1	1	TRACE2	041207-1
7440-23-5	Sodium	7420	ug/L			P	45	1	TRACE2	041207-1
7440-28-0	Thallium	0.40	ug/L	U		MS	0.4	1	ICPMS6	070409-3
7440-62-2	Vanadium	7.4	ug/L	B		P	1	1	TRACE2	041207-1
7440-66-6	Zinc	7.4	ug/L	B		P	2	1	TRACE2	041207-1

Outfall 010 (CSF)  
sampled 4/4/07