

**BROOKHAVEN**  
NATIONAL LABORATORY

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

June 22, 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 May 2007**

In accordance with our SPDES permit (NY-0005835), enclosed as Attachment I, please find the DMR for the month of May 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. 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 other parameters met their respective SPDES effluent limitations this reporting period.

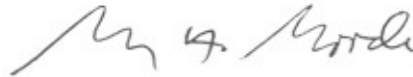
Collection and analysis of these samples are performed in accordance with the BNL Quality Assurance (QA) Program that specifies the standard operating procedures for collection and analysis of samples, QA data requirements, validation of contractor analytical data, and QA inspections performed periodically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

Attachment II: Analytical Results from H2M Labs Inc. and General Engineering Laboratories, LLC for samples collected on 5/7/07 and 5/9/07 from Outfall 001 (BNL Use Only).

Attachment III: Analytical Results from General Engineering Laboratories for samples collected from Outfalls 002, 002B, 005, 006A, 006B, 008, and 010 (BNL Use Only).

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

File: EC62ER.07

**Brookhaven National Laboratory**  
**SPDES Permit No. NY0005835**  
**Discharge Monitoring Report for May 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. Flow is estimated based upon an instantaneous flow measurement and the assumption that flow continued for the entire day (i.e., 1,440 minutes).
3. Since flow records are maintained on a weekly or monthly basis, the flow rate provided is the daily average.

**ATTACHMENT I**

**BROOKHAVEN NATIONAL LABORATORY**

**SPDES PERMIT NO. NY0005835**

**BNL's APPROVED COMPUTER GENERATED  
DISCHARGE MONITORING REPORT FOR MAY 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	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	05	01	07	05	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	*****	*****		7.7	*****	7.7		0	01/30	GR
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		Req. Mon. MINIMUM	*****	9 MAXIMUM	SU		Once Per Month	GRAB
Oil & grease	SAMPLE MEASUREMENT	*****	*****		*****	*****	<0.88		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 SEE NOTE #3	SAMPLE MEASUREMENT	*****	0.0007		*****	*****	*****		0	04/30	RC
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	6	25
			YEAR	MO	DAY
			TELEPHONE		
			631-344-4549		

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

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

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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	05	01	07	05	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Temperature, water deg. Fahrenheit	SAMPLE MEASUREMENT	*****	*****		*****	*****	68		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	02/30	24
00310 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	10 DAILY AV	20 DAILY MX	mg/L		Once Per Month	COMP24
pH	SAMPLE MEASUREMENT	*****	*****		6.5	*****	6.9		0	01/01	GR
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		5.8 MINIMUM	*****	9.0 MAXIMUM	SU		Daily	GRAB
Solids, total suspended	SAMPLE MEASUREMENT	*****	*****		*****	1.1	1.1		0	02/30	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	*****	*****		*****	*****	7.7		0	02/30	24
00600 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	10 DAILY MX	mg/L		Once Per Month	COMP24
Nitrogen, ammonia total (as N)	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.1		0	02/30	24
00610 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	2 DAILY MX	mg/L		Once Per Month	COMP24
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								2007 6 25			
Typed or Printed								TELEPHONE 631-344-4549			
Comments and Explanation of any violations (Reference all attachments here) QUANTITIES OR CONCENTRATIONS OF RADIOACTIVITY IN EFFLUENT ARE SUBJECT TO REQUIREMENTS OF THE USDOE INCL BUT NOT LIMITED TO USDOE ORDER 5400.5. APPROX 15% OF STP DISCHARGE CAN BE TO GW VIA EXFILT FROM SFBS. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS, AND REQUIREMENTS.											

**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
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UPTON, NY 11973  
FACILITY BROOKHAVEN NATIONAL LABORATORY  
LOCATION 53 BELL AVENUE, BLDG 464  
UPTON, NY 11973  
ATTN: MICHAEL HOLLAND, OFFICE MGR

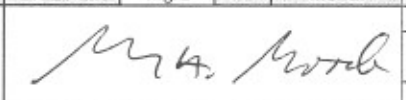
NY0005835	001M
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	05	01	07	05	31

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) 00665 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		*****	*****	1.3		0	02/30	24
	PERMIT REQUIREMENT	*****	*****		*****	*****	Req. Mon. DAILY MX	mg/L		Once Per Month	COMP24
Cyanide, total (as CN) 00720 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		*****	*****	<1.5		0	02/30	GR
	PERMIT REQUIREMENT	*****	*****		*****	*****	100 DAILY MX	ug/L		Twice Per Month	GRAB
Copper, total (as Cu) 01042 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.061		0	02/30	24
	PERMIT REQUIREMENT	*****	*****		*****	*****	0.15 DAILY MX	mg/L		Once Per Month	COMP24
Iron, total (as Fe) 01045 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.21		0	02/30	24
	PERMIT REQUIREMENT	*****	*****		*****	*****	0.37 DAILY MX	mg/L		Once Per Month	COMP24
Lead, total (as Pb) 01051 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.00087		0	02/30	24
	PERMIT REQUIREMENT	*****	*****		*****	*****	0.019 DAILY MX	mg/L		Once Per Month	COMP24
Nickel, total (as Ni) 01067 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.018		0	02/30	24
	PERMIT REQUIREMENT	*****	*****		*****	*****	0.11 DAILY MX	mg/L		Once Per Month	COMP24
Silver, total (as Ag) 01077 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.002		0	02/30	24
	PERMIT REQUIREMENT	*****	*****		*****	*****	0.015 DAILY MX	mg/L		Once Per Month	COMP24

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		2007	6	25
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE 631-344-4549		

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

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

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

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

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

Page 4

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	05	01	07	05	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Zinc, total (as Zn)	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.07		0	02/30	24
01092 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	0.1 DAILY MX	mg/L		Once Per Month	COMP24
Toluene	SAMPLE MEASUREMENT	*****	*****		*****	*****	<1		0	02/30	GR
34010 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	5 DAILY MX	ug/L		Twice Per Month	GRAB
Methylene chloride	SAMPLE MEASUREMENT	*****	*****		*****	*****	<2		0	02/30	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	02/30	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	0.25	0.35		*****	*****	*****		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	*****	*****		*****	*****	<0.00006		0	02/30	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	02/30	GR
74055 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	200 DAILY AV	400 DAILY MX	#/100mL	Once Per Month	GRAB

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		2007	6	25	
		YEAR	MO	DAY	
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT		TELEPHONE			
		631-344-4549			

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

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



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

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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

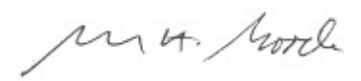
NY0005835	001M
PERMIT NUMBER	DISCHARGE NUMBER

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	05	01	07	05	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
2 - Butanone	SAMPLE MEASUREMENT	*****	*****		*****	*****	<5		0	02/30	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	*****	*****		>98	*****	*****		0	01/30	CA
81011 K 0 Percent Removal	PERMIT REQUIREMENT	*****	*****		85 MO AV MN	*****	*****	%		Once Per Month	CALCTD

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			2007	6	25
		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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**NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)  
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FACILITY BROOKHAVEN NATIONAL LABORATORY  
LOCATION 53 BELL AVENUE, BLDG 464  
UPTON, NY 11973  
ATTN: MICHAEL HOLLAND, OFFICE MGR


NY0005835	002M
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	05	01	07	05	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	*****	*****		6.2	*****	7.7		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	*****	*****		*****	*****	<0.88		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	0.01	*****		*****	*****	*****		0	04/30	RC
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. DAILY AV	*****	Mgal/d	*****	*****	*****			Once Per Month	RCORDR

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			2007	6	25		
			YEAR	MO	DAY	TELEPHONE	
			631-344-4549				

Comments and Explanation of any violations (Reference all attachments here)  
SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS AND REQUIREMENTS. SAMPLING FOR THIS OUTFALL SHALL BE CONDUCTED AT A LOCTION DOWNSTREAM OF WHERE EXISTING DISCHARGE MIXES WITH THE COOLING TOWER BLOWDOWN FROM THE STAR DETECTOR.

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

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ATTN: MICHAEL HOLLAND, OFFICE MGR

NY0005835	005M
PERMIT NUMBER	DISCHARGE NUMBER

DMR MAILING ZIP CODE: 11973

MAJOR


(SUBR 01)

NSLS COOLING TOWR BLDN ETC (HS)  
External Outfall

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	05	01	07	05	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH	SAMPLE MEASUREMENT	*****	*****		7.3	*****	7.6		0	04/30	GR
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		Req. Mon. MINIMUM	*****	8.5 MAXIMUM	SU		Once Per Month	GRAB
Oil & grease	SAMPLE MEASUREMENT	*****	*****		*****	*****	1.2		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	0.08	*****		*****	*****	*****		0	04/30	RC
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. MO 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	6	25
		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE 631-344-4519		

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 FLT BKWSH (HX)  
 External Outfall

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	05	01	07	05	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
Flow rate	SAMPLE MEASUREMENT	*****	160000	*****	*****	*****	*****		0	18/30	IN
00056 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	Req. Mon. DAILY MX	gal/d	*****	*****	*****			Once Per Month	INSTAN
pH	SAMPLE MEASUREMENT	*****	*****	*****	7.3	*****	7.3		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.		DATE		
			2007	6	25
SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT			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

Page 9

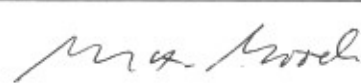
NY0005835	008M
PERMIT NUMBER	DISCHARGE NUMBER

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	05	01	07	05	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS				
Flow rate	SEE NOTE #2	SAMPLE MEASUREMENT	*****	7800		*****	*****	*****		0	01/30	IN
00056 1 0 Effluent Gross		PERMIT REQUIREMENT	*****	Req. Mon. DAILY MX	gal/d	*****	*****	*****			Once Per Month	INSTAN
pH		SAMPLE MEASUREMENT	*****	*****		7.2	*****	7.2		0	01/30	GR
00400 1 0 Effluent Gross		PERMIT REQUIREMENT	*****	*****		Req. Mon. MINIMUM	*****	8.5 MAXIMUM	SU		Once Per Month	GRAB
Oil & grease		SAMPLE MEASUREMENT	*****	*****		*****	*****	<0.94		0	01/30	GR
00556 1 0 Effluent Gross		PERMIT REQUIREMENT	*****	*****		*****	*****	15 DAILY MX	mg/L		Once Per Month	GRAB
1, 1 - Dichloroethylene		SAMPLE MEASUREMENT	*****	*****		*****	*****	<1		0	01/30	GR
34501 1 0 Effluent Gross		PERMIT REQUIREMENT	*****	*****		*****	*****	5 DAILY MX	ug/L		Once Per Month	GRAB
1, 1, 1 - Trichloroethane		SAMPLE MEASUREMENT	*****	*****		*****	*****	<1		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	6	25
			YEAR	MO	DAY
			TELEPHONE		
			631-344-4549		

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

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

SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS, AND REQUIREMENTS

Page 9

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

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

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

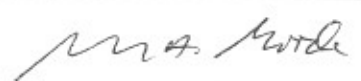
NY0005835	010M
PERMIT NUMBER	DISCHARGE NUMBER

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

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	05	01	07	05	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS				
Flow rate	SEE NOTE #2	SAMPLE MEASUREMENT	*****	650		*****	*****	*****		0	01/30	IN
00056 1 0 Effluent Gross		PERMIT REQUIREMENT	*****	Req. Mon. DAILY MX	gal/d	*****	*****	*****			Once Per Month	INSTAN
pH		SAMPLE MEASUREMENT	*****	*****		7.2	*****	7.2		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 #1	SAMPLE MEASUREMENT	*****	*****		*****	*****	1.0		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	6	25
		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

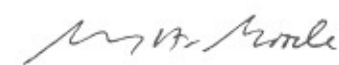
NY0005835	06AM
PERMIT NUMBER	DISCHARGE NUMBER

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	05	01	07	05	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS			
pH 00400 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		7.2	*****	7.8		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	0.08	*****		*****	*****	*****		0	04/30	RC
	PERMIT REQUIREMENT	Req. Mon. DAILY AV	*****	Mgal/d	*****	*****	*****			Once Per Month	RCORDR

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	DATE				
			2007	6	20		
			YEAR	MO	DAY		
			TELEPHONE			631-344-4549	

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

**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 TOWER FROM 919 ETC (HT2)  
External Outfall

MONITORING PERIOD					
FROM			TO		
YEAR	MO	DAY	YEAR	MO	DAY
07	05	01	07	05	31

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS			
pH 00400 1 0 Effluent Gross	SAMPLE MEASUREMENT	*****	*****		6.6	*****	8.3		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	0.03	*****		*****	*****	*****		0	04/30	RC
	PERMIT REQUIREMENT	Req. Mon. DAILY AV	*****	Mgal/d	*****	*****	*****			Once Per Month	RCORDR

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.	 SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	DATE		
			2007	6	25
			YEAR	MO	DAY
			TELEPHONE		
			631-344-4549		

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



**ATTACHMENT II**

**BROOKHAVEN NATIONAL LABORATORY**

**SPDES PERMIT NO. NY0005835**

**DISCHARGE MONITORING REPORT FOR MAY 2007**

**ANALYTICAL RESULTS FROM H2M LABS**

**AND GENERAL ENGINEERING LABORATORIES, LLC**

**FOR REGULATORY COMPLIANCE SAMPLES COLLECTED**

*5/7/07 and 5/9/07*

**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. : 0705538-001A

Sample Information...

Type : Aqueous

Origin:

Client ID. : 24205-001

Collected : 5/7/2007 11:15:00 AM

Received : 5/7/2007 2:00:00 PM

Collected By : CLIENT

Copy : Original

CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Biochemical Oxygen Demand	< 2		1	mg/L	E405.1	05/08/2007 2:15 PM
Nitrite as N	< 0.01		1	mg/L	E353.2	05/08/2007 10:22 AM

outfall 001  
sampled 5/7/07  
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 5/16/2007

*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. : 0705648-001A

Sample Information...  
Type : Aqueous

Origin:

Client ID. : 24215-001

Collected : 5/9/2007 11:10:00 AM  
Received : 5/9/2007 3:15:00 PM  
Collected By : CLIENT  
Copy : Original  
CC

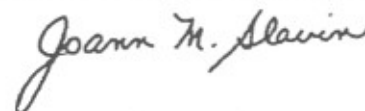
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Biochemical Oxygen Demand	< 2		1	mg/L	E405.1	05/10/2007 10:20 AM
Nitrite as N	< 0.01		1	mg/L	E353.2	05/10/2007 4:51 PM

Outfall 001  
Sampled 5/9/07  
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. : 0705538-001B

Sample Information...  
Type : Aqueous

Origin:

Client ID. : 24205-001

Collected : 5/7/2007 11:15:00 AM

Received : 5/7/2007 2:00:00 PM

Collected By : CLIENT

Copy : Original

CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Nitrogen, Total	7.7		1	mg/L	M4500-N C	05/15/2007
Nitrogen, Ammonia (As N)	< 0.10		1	mg/L	E350.1	05/14/2007 2:34 PM
Nitrate as N	6.79		10	mg/L	E353.2	05/15/2007 11:46 AM
Nitrogen, Kjeldahl, Total	0.94		1	mg/L	E351.2	05/15/2007 12:30 PM

Outfall 001  
Sampled 5/7/07  
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 5/16/2007

Page 2 of 5

*Joann M. Slavin*

Laboratory Manager

BNLS861 A19

# 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. : 0705648-001B

Sample Information...  
Type : Aqueous

Origin:

Client ID. : 24215-001

Collected : 5/9/2007 11:10:00 AM

Received : 5/9/2007 3:15:00 PM

Collected By : CLIENT

Copy : Original

CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Nitrogen, Total	5.0		1	mg/L	M4500-N C	05/15/2007
Nitrogen, Ammonia (As N)	0.11		1	mg/L	E350.1	05/14/2007 2:37 PM
Nitrate as N	4.05		10	mg/L	E353.2	05/15/2007 11:50 AM
Nitrogen, Kjeldahl, Total	0.93		1	mg/L	E351.2	05/15/2007 12:32 PM

Outfall 001  
Sampled 5/9/07  
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. : 0705538-002A

Sample Information...  
Type : Aqueous

Origin:

Client ID. : 24205-002

Collected : 5/7/2007 1:30:00 PM  
Received : 5/7/2007 2:00:00 PM  
Collected By : CLIENT  
Copy : Original  
CC

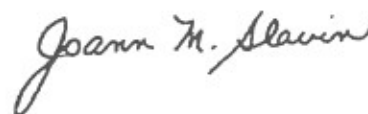
Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Fecal Coliform	< 2		1	MPN	M9221 C	05/07/2007 4:15 PM

Outfall 001  
Sampled 5/7/07  
Grab

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

D.F. = Dilution Factor

Date Reported : 5/16/2007



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. : 0705648-002A

Sample Information...  
Type : Aqueous

Origin:

Client ID. : 24215-002

Collected : 5/9/2007 1:45:00 PM  
Received : 5/9/2007 3:15:00 PM  
Collected By : CLIENT  
Copy : Original  
CC

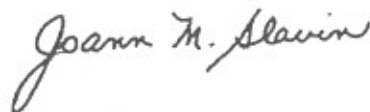
Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Fecal Coliform	< 2		1	MPN	M9221 C	05/09/2007 3:30 PM

Outfall 001  
Sampled 5/9/07  
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. : 0705538-003A

Sample Information...  
Type : Aqueous

Origin:

Client ID. : 24205-003

Collected : 5/7/2007 11:30:00 AM  
Received : 5/7/2007 2:00:00 PM  
Collected By : CLIENT  
Copy : Original  
CC

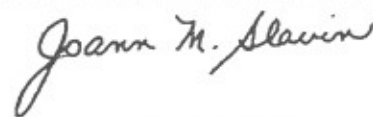
Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Biochemical Oxygen Demand	39		1	mg/L	E405.1	05/08/2007 2:25 PM

STP Influent  
sampled 5/7/07  
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 5/16/2007



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. : 0705648-003A

Sample Information...  
Type : Aqueous

Origin:

Client ID. : 24215-003

Collected : 5/9/2007 11:20:00 AM  
Received : 5/9/2007 3:15:00 PM  
Collected By : CLIENT  
Copy : Original  
CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Biochemical Oxygen Demand	56		1	mg/L	E405.1	05/10/2007 10:25 AM

STP Influent  
sampled 5/9/07  
24 hour composite

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

D.F. = Dilution Factor

Date Reported :

*Joann M. Slavin*

Laboratory Manager

Volatile  
Certificate of Analysis  
Sample Summary

SDG Number: 185649	Date Collected: 05/07/2007 13:30	Matrix: WATER
Lab Sample ID: 185649002	Date Received: 05/08/2007 09:50	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 24204-002	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 633285	Inst: VOA9.I	Dilution: 1
Run Date: 05/10/2007 18:40	Analyst: RXY1	Purge Vol: 5 mL
Prep Date: 05/10/2007 18:40		
Data File: 9j421.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	U	5.00	ug/L	1.25	5.00
75-05-8	Acetonitrile	U	25.0	ug/L	6.25	25.0
75-35-4	1,1-Dichloroethylene	U	1.00	ug/L	0.300	1.00
75-09-2	Methylene chloride	U	2.00	ug/L	2.00	2.00
1634-04-4	tert-Butyl methyl ether	U	5.00	ug/L	0.250	5.00
156-60-5	trans-1,2-Dichloroethylene	U	1.00	ug/L	0.300	1.00
75-34-3	1,1-Dichloroethane	U	1.00	ug/L	0.300	1.00
78-93-3	2-Butanone	U	5.00	ug/L	1.25	5.00
67-66-3	Chloroform	J	0.379	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 5/7/07  
Grab

Volatile  
Certificate of Analysis  
Sample Summary

SDG Number: 185760	Date Collected: 05/09/2007 13:45	Matrix: WATER
Lab Sample ID: 185760002	Date Received: 05/10/2007 09:30	
Client Sample: STP Effluent	Client: BRKL005	Project: BRKL00504
Client ID: 24214-002	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 633563	Inst: VOA9.I	Dilution: 1
Run Date: 05/11/2007 12:49	Analyst: RXYI	Purge Vol: 5 mL
Prep Date: 05/11/2007 12:49		
Data File: 9j507.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	U	5.00	ug/L	1.25	5.00
75-05-8	Acetonitrile	U	25.0	ug/L	6.25	25.0
75-35-4	1,1-Dichloroethylene	U	1.00	ug/L	0.300	1.00
75-09-2	Methylene chloride	U	2.00	ug/L	2.00	2.00
1634-04-4	tert-Butyl methyl ether	U	5.00	ug/L	0.250	5.00
156-60-5	trans-1,2-Dichloroethylene	U	1.00	ug/L	0.300	1.00
75-34-3	1,1-Dichloroethane	U	1.00	ug/L	0.300	1.00
78-93-3	2-Butanone	U	5.00	ug/L	1.25	5.00
67-66-3	Chloroform	J	0.398	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 5/9/07  
Grab

METALS  
-1-  
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 185649

METHOD TYPE: SW846

SAMPLE ID: 185649001

CLIENT ID: 24204-001

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 08-MAY-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	052407-3
7440-36-0	Antimony	4.2	ug/L	B		P	4	1	OPTIMA1	052407-3
7440-38-2	Arsenic	1.5	ug/L	B		MS	1.5	1	ICPMS3	070523-2
7440-39-3	Barium	18.1	ug/L	B		P	1	1	OPTIMA1	052407-3
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA1	052407-3
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA1	052407-3
7440-70-2	Calcium	13400	ug/L			P	36	1	OPTIMA1	052407-3
7440-47-3	Chromium	1	ug/L	U		P	1	1	OPTIMA1	052407-3
7440-48-4	Cobalt	1	ug/L	U		P	1	1	OPTIMA1	052407-3
7440-50-8	Copper	58.7	ug/L			P	3	1	OPTIMA1	052407-3
7439-89-6	Iron	207	ug/L			P	18	1	OPTIMA1	052407-3
7439-92-1	Lead	0.660	ug/L	B		MS	0.5	1	ICPMS3	070523-2
7439-95-4	Magnesium	4090	ug/L	B		P	85	1	OPTIMA1	052407-3
7439-96-5	Manganese	5.2	ug/L	B		P	2	1	OPTIMA1	052407-3
7439-97-6	Mercury	0.060	ug/L	U		AV	0.06	1	MER536	053007W1-1
7440-02-0	Nickel	17.8	ug/L	B		P	1	1	OPTIMA1	052407-3
7440-09-7	Potassium	6540	ug/L			P	50	1	OPTIMA1	052407-3
7782-49-2	Selenium	2.5	ug/L	U		MS	2.5	1	ICPMS3	070523-2
7440-22-4	Silver	1	ug/L	U		P	1	1	OPTIMA1	052407-3
7440-23-5	Sodium	43100	ug/L			P	45	1	OPTIMA1	052407-3
7440-28-0	Thallium	0.540	ug/L	B		MS	0.4	1	ICPMS3	070523-2
7440-62-2	Vanadium	1	ug/L	U		P	1	1	OPTIMA1	052407-3
7440-66-6	Zinc	63	ug/L			P	2	1	OPTIMA1	052407-3

*Outfall 001  
Sampled 5/7/07  
24 hour composite*

METALS  
-1-  
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 185760

METHOD TYPE: SW846

SAMPLE ID: 185760001

CLIENT ID: 24214-001

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 10-MAY-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	053007-1
7440-36-0	Antimony	4	ug/L	U		P	4	1	TRACE2	053007-1
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS6	070525-3
7440-39-3	Barium	17.3	ug/L	B		P	1	1	TRACE2	053007-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	TRACE2	053007-1
7440-43-9	Cadmium	1	ug/L	U		P	1	1	TRACE2	053007-1
7440-70-2	Calcium	12100	ug/L			P	36	1	TRACE2	053007-1
7440-47-3	Chromium	1.2	ug/L	B		P	1	1	TRACE2	053007-1
7440-48-4	Cobalt	1	ug/L	U		P	1	1	TRACE2	053007-1
7440-50-8	Copper	61.1	ug/L			P	3	1	TRACE2	053007-1
7439-89-6	Iron	163	ug/L			P	18	1	TRACE2	053007-1
7439-92-1	Lead	0.870	ug/L	B		MS	0.5	1	ICPMS6	070525-3
7439-95-4	Magnesium	3710	ug/L	B		P	85	1	TRACE2	053007-1
7439-96-5	Manganese	5.1	ug/L	B		P	2	1	TRACE2	053007-1
7439-97-6	Mercury	0.060	ug/L	U		AV	0.06	1	MER536	060107W3-2
7440-02-0	Nickel	16.8	ug/L	B		P	1	1	TRACE2	053007-1
7440-09-7	Potassium	6260	ug/L			P	50	1	TRACE2	053007-1
7782-49-2	Selenium	2.5	ug/L	U		MS	2.5	1	ICPMS6	070525-3
7440-22-4	Silver	2	ug/L	B	N	P	1	1	TRACE2	053007-1
7440-23-5	Sodium	45200	ug/L			P	45	1	TRACE2	053007-1
7440-28-0	Thallium	0.560	ug/L	B		MS	0.4	1	ICPMS6	070525-3
7440-62-2	Vanadium	9.5	ug/L	B		P	1	1	TRACE2	053007-1
7440-66-6	Zinc	66.2	ug/L			P	2	1	TRACE2	053007-1

Outfall 001  
Sampled 5/9/07  
24 hour composite

METALS  
-1-  
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 185649

METHOD TYPE: SW846

SAMPLE ID: 185649003

CLIENT ID: 24204-003

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 08-MAY-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	434	ug/L			P	68	1	OPTIMA1	052407-3
7440-36-0	Antimony	5.5	ug/L	B		P	4	1	OPTIMA1	052407-3
7440-38-2	Arsenic	4.5	ug/L	B		MS	1.5	1	ICPMS3	070523-2
7440-39-3	Barium	85.7	ug/L	B		P	1	1	OPTIMA1	052407-3
7440-41-7	Beryllium	1	ug/L	U		P	1	1	OPTIMA1	052407-3
7440-43-9	Cadmium	1	ug/L	U		P	1	1	OPTIMA1	052407-3
7440-70-2	Calcium	12700	ug/L			P	36	1	OPTIMA1	052407-3
7440-47-3	Chromium	3.4	ug/L	B		P	1	1	OPTIMA1	052407-3
7440-48-4	Cobalt	2.2	ug/L	B		P	1	1	OPTIMA1	052407-3
7440-50-8	Copper	680	ug/L			P	3	1	OPTIMA1	052407-3
7439-89-6	Iron	8000	ug/L			P	18	1	OPTIMA1	052407-3
7439-92-1	Lead	13.7	ug/L			MS	0.5	1	ICPMS3	070523-2
7439-95-4	Magnesium	3880	ug/L	B		P	85	1	OPTIMA1	052407-3
7439-96-5	Manganese	103	ug/L			P	2	1	OPTIMA1	052407-3
7439-97-6	Mercury	0.410	ug/L			AV	0.06	1	MER536	053007W1-1
7440-02-0	Nickel	18.2	ug/L	B		P	1	1	OPTIMA1	052407-3
7440-09-7	Potassium	3930	ug/L	B		P	50	1	OPTIMA1	052407-3
7782-49-2	Selenium	2.5	ug/L	U		MS	2.5	1	ICPMS3	070523-2
7440-22-4	Silver	2.1	ug/L	B		P	1	1	OPTIMA1	052407-3
7440-23-5	Sodium	38600	ug/L			P	45	1	OPTIMA1	052407-3
7440-28-0	Thallium	0.40	ug/L	U		MS	0.4	1	ICPMS3	070523-2
7440-62-2	Vanadium	4.1	ug/L	B		P	1	1	OPTIMA1	052407-3
7440-66-6	Zinc	201	ug/L			P	2	1	OPTIMA1	052407-3

STP Influent  
Sampled 5/7/07  
24 hour composite

METALS  
-1-  
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 185760

METHOD TYPE: SW846

SAMPLE ID: 185760003

CLIENT ID: 24214-003

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 10-MAY-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	263	ug/L			P	68	1	TRACE2	053007-1
7440-36-0	Antimony	4	ug/L	U		P	4	1	TRACE2	053007-1
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS6	070525-3
7440-39-3	Barium	69	ug/L	B		P	1	1	TRACE2	053007-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	TRACE2	053007-1
7440-43-9	Cadmium	1	ug/L	U		P	1	1	TRACE2	053007-1
7440-70-2	Calcium	11100	ug/L			P	36	1	TRACE2	053007-1
7440-47-3	Chromium	3.1	ug/L	B		P	1	1	TRACE2	053007-1
7440-48-4	Cobalt	1.6	ug/L	B		P	1	1	TRACE2	053007-1
7440-50-8	Copper	472	ug/L			P	3	1	TRACE2	053007-1
7439-89-6	Iron	5020	ug/L			P	18	1	TRACE2	053007-1
7439-92-1	Lead	12.6	ug/L			MS	0.5	1	ICPMS6	070525-3
7439-95-4	Magnesium	3480	ug/L	B		P	85	1	TRACE2	053007-1
7439-96-5	Manganese	124	ug/L			P	2	1	TRACE2	053007-1
7439-97-6	Mercury	1.2	ug/L			AV	0.06	1	MER536	060107W3-2
7440-02-0	Nickel	15.6	ug/L	B		P	1	1	TRACE2	053007-1
7440-09-7	Potassium	6390	ug/L			P	50	1	TRACE2	053007-1
7782-49-2	Selenium	2.5	ug/L	U		MS	2.5	1	ICPMS6	070525-3
7440-22-4	Silver	1	ug/L	U	N	P	1	1	TRACE2	053007-1
7440-23-5	Sodium	33100	ug/L			P	45	1	TRACE2	053007-1
7440-28-0	Thallium	0.40	ug/L	U		MS	0.4	1	ICPMS6	070525-3
7440-62-2	Vanadium	11.6	ug/L	B		P	1	1	TRACE2	053007-1
7440-66-6	Zinc	162	ug/L			P	2	1	TRACE2	053007-1

STP Influent  
Sampled 5/9/07  
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: May 15, 2007

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

Client Sample ID:	24204-001	Project:	BRKL00504
Sample ID:	185649001	Client ID:	BRKL005
Matrix:	Water	COC:	24204
Collect Date:	07-MAY-07 11:15	Samp Recv.:	
Receive Date:	08-MAY-07 09:50	Client Desc.:	STP Effluent
Collector:	Client		

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
<b>Nutrient Analysis Federal</b>										
<i>EPA 365.4 Phosphorus, Total in Phosphorus, Total as P</i>										
		1.30	0.024	0.050	mg/L	1	AXH3 05/11/07	0910	632841	1
<b>Solids Analysis Federal</b>										
<i>EPA 160.2 Total Suspended Liq</i>										
Total Suspended Solids	U	0.00	1.14	5.00	mg/L		SXS2 05/09/07	0948	632493	2

### The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
EPA 365.4 Prep	EPA 365.4 Phosphorus, Total in liquid-Fe	BXM1	05/09/07	1900	632840

### The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 365.4	
2	EPA 160.2	

Outfall 001  
Sampled 5/7/07  
24 hour composite



# GEL LABORATORIES LLC

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

## Certificate of Analysis

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

Report Date: June 6, 2007

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

Client Sample ID: 24214-001  
Sample ID: 185760001  
Matrix: Water  
Collect Date: 09-MAY-07 11:10  
Receive Date: 10-MAY-07 09:30  
Collector: Client

Project: BRKL00504  
Client ID: BRKL005  
COC: 24214  
Samp Recv.:  
Client Desc.: STP Effluent

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
<b>Nutrient Analysis Federal</b>										
<i>EPA 365.4 Phosphorus, Total in</i>										
Phosphorus, Total as P		1.31	0.024	0.050	mg/L	1	AXH3 05/11/07	0924	633182	1
<b>Solids Analysis Federal</b>										
<i>EPA 160.2 Total Suspended Liq</i>										
Total Suspended Solids	J	1.10	0.570	2.50	mg/L		SXS2 05/15/07	1211	633854	2

### The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
EPA 365.4 Prep	EPA 365.4 Phosphorus, Total in liquid-Fe	BXM1	05/10/07	1901	633181

### The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 365.4	
2	EPA 160.2	

Outfall 001  
Sampled 5/9/07  
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: May 15, 2007

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

Client Sample ID: 24204-002  
Sample ID: 185649002  
Matrix: Water  
Collect Date: 07-MAY-07 13:30  
Receive Date: 08-MAY-07 09:50  
Collector: Client

Project: BRKL00504  
Client ID: BRKL005  
COC: 24204  
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	-3.65	1.50	5.00	ug/L	1	KLP1 05/11/07	1000	632883	1

### The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 9010B Prep	SW846 9010B Prep	NXMI	05/10/07	1723	632880

### The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 9012A	

Outfall 001  
sampled 5/7/07  
Grab

# GEL LABORATORIES LLC

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## Certificate of Analysis

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

Report Date: June 6, 2007

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

Client Sample ID: 24214-002  
Sample ID: 185760002  
Matrix: Water  
Collect Date: 09-MAY-07 13:45  
Receive Date: 10-MAY-07 09:30  
Collector: Client

Project: BRKL00504  
Client ID: BRKL005  
COC: 24214  
Samp Recv.:  
Client Desc.: STP Effluent

Parameter	Qualifier	Result	DL	RL	Units	DF	Analyst	Date	Time	Batch	Method
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### Flow Injection Analysis Federal

SW9012A Cyanide, Total Federal

Cyanide, Total	U	1.01	1.50	5.00	ug/L	1	KLPI	05/14/07	1200	633324	1
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### The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
SW846 9010B Prep	SW846 9010B Prep	NXMI	05/11/07	1651	633323

### The following Analytical Methods were performed

Method	Description	Analyst Comments
1	SW846 9012A	

Outfall 001  
Sampled 5/9/07  
Grab

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## Certificate of Analysis

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

Report Date: May 15, 2007

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

Client Sample ID: 24204-003  
Sample ID: 185649003  
Matrix: Water  
Collect Date: 07-MAY-07 11:30  
Receive Date: 08-MAY-07 09:50  
Collector: Client

Project: BRKL00504  
Client ID: BRKL005  
COC: 24204  
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		72.0	5.70	25.0	mg/L		SXS2 05/09/07 0948	632493	1	

### The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 160.2	

STP Influent  
sampled 5/7/07  
24 hour composite

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## Certificate of Analysis

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

Report Date: June 6, 2007

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

Client Sample ID: 24214-003  
Sample ID: 185760003  
Matrix: Water  
Collect Date: 09-MAY-07 11:20  
Receive Date: 10-MAY-07 09:30  
Collector: Client

Project: BRKL00504  
Client ID: BRKL005  
COC: 24214  
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		63.0	5.70	25.0	mg/L		SXS2 05/15/07 1211	633854	1	

### The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 160.2	

STP Influent  
Sampled 5/9/07  
24 hour composite

**ATTACHMENT III**

**BROOKHAVEN NATIONAL LABORATORY**

**SPDES PERMIT NO. NY0005835**

**DISCHARGE MONITORING REPORT FOR MAY 2007**

**ANALYTICAL RESULTS FROM**

**GENERAL ENGINEERING LABORATORIES, LLC**

**FOR REGULATORY COMPLIANCE SAMPLES COLLECTED FROM**

**OUTFALLS 002, 002B, 005, 006A, 006B, 008, AND 010**

# GEL LABORATORIES LLC

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: May 30, 2007

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

Client Sample ID: 24198-005  
Sample ID: 185524004  
Matrix: Water  
Collect Date: 03-MAY-07 15:15  
Receive Date: 05-MAY-07 10:30  
Collector: Client

Project: BRKL00504  
Client ID: BRKL005  
COC: 24198  
Samp Recv.:  
Client Desc.: 1004/1002

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
<b>Oil &amp; Grease Analysis Federal</b>										
<i>EPA 1664A n-Hexane Extractable Material (Oil and G</i>										
Oil and Grease	U	0.500	0.880	4.00	mg/L		EXF1 05/07/07 1501	631770		1

### The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 002B (1004/1002)  
sampled 5/3/07

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## Certificate of Analysis

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

Report Date: May 30, 2007

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

Client Sample ID: 24198-003  
Sample ID: 185524003  
Matrix: Water  
Collect Date: 03-MAY-07 15:10  
Receive Date: 05-MAY-07 10:30  
Collector: Client

Project: BRKL00504  
Client ID: BRKL005  
COC: 24198  
Samp Recv.:  
Client Desc.: HN

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
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### Oil & Grease Analysis Federal

*EPA 1664A n-Hexane Extractable Material (Oil and G*  
Oil and Grease

U	0.500	0.880	4.00	mg/L	EXF1	05/07/07	1321	631770	1
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### The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

outfall 002 (HN)  
sampled 5/3/07



# GEL LABORATORIES LLC

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## Certificate of Analysis

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

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

Report Date: May 19, 2007

Client Sample ID: 24222-001  
Sample ID: 186037001  
Matrix: Water  
Collect Date: 11-MAY-07 14:40  
Receive Date: 15-MAY-07 09:30  
Collector: Client

Project: BRKL00504  
Client ID: BRKL005  
COC: 24222  
Samp Recv.:  
Client Desc.: HS

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
<b>Oil &amp; Grease Analysis Federal</b>										
<i>EPA 1664A n-Hexane Extractable Material (Oil and G</i>										
Oil and Grease	J	1.20	0.880	4.00	mg/L		EXF1 05/16/07	1431	634584	1

### The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 005 (HS)  
sampled 5/11/07

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## Certificate of Analysis

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

Report Date: May 30, 2007

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

Client Sample ID: 24198-001  
Sample ID: 185524001  
Matrix: Water  
Collect Date: 03-MAY-07 15:30  
Receive Date: 05-MAY-07 10:30  
Collector: Client

Project: BRKL00504  
Client ID: BRKL005  
COC: 24198  
Samp Recv.:  
Client Desc.: HTW

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
<b>Oil &amp; Grease Analysis Federal</b>										
<i>EPA 1664A n-Hexane Extractable Material (Oil and G</i>										
Oil and Grease	U	0.700	0.880	4.00	mg/L		EXF1 05/07/07	1321	631770	1

### The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

outfall 006A (HT-w)  
Sampled 5/3/07

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## Certificate of Analysis

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

Report Date: May 30, 2007

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

Client Sample ID: 24198-002  
Sample ID: 185524002  
Matrix: Water  
Collect Date: 03-MAY-07 15:24  
Receive Date: 05-MAY-07 10:30  
Collector: Client

Project: BRKL00504  
Client ID: BRKL005  
COC: 24198  
Samp Recv.:  
Client Desc.: HTE

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
<b>Oil &amp; Grease Analysis Federal</b>										
<i>EPA 1664A n-Hexane Extractable Material (Oil and G</i>										
Oil and Grease	U	0.300	0.880	4.00	mg/L		EXF1 05/07/07	1321	631770	1

### The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

outfall 006B (HT-E)  
sampled 5/3/07

# GEL LABORATORIES LLC

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## Certificate of Analysis

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

Report Date: May 31, 2007

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

Client Sample ID: 24257-002  
Sample ID: 186426002  
Matrix: Water  
Collect Date: 18-MAY-07 10:00  
Receive Date: 19-MAY-07 09:30  
Collector: Client

Project: BRKL00504  
Client ID: BRKL005  
COC: 24257  
Samp Recv.:  
Client Desc.: HW

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
<b>Oil &amp; Grease Analysis Federal</b>										
<i>EPA 1664A n-Hexane Extractable Material (Oil and G</i>										
Oil and Grease	U	0.532	0.936	4.26	mg/L		EXF1 05/21/07	1452	635948	1

### The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

outfall 008 (HW)  
sampled 5/18/07

**Volatile  
Certificate of Analysis  
Sample Summary**

SDG Number: 186426	Date Collected: 05/18/2007 10:00	Matrix: WATER
Lab Sample ID: 186426002	Date Received: 05/19/2007 09:30	
Client Sample: HW	Client: BRKL005	Project: BRKL00504
Client ID: 24257-002	Method: EPA 624	SOP Ref: GL-OA-E-026
Batch ID: 635816	Inst: VOA4.I	Dilution: 1
Run Date: 05/20/2007 09:52	Analyst: GRB2	Purge Vol: 5 mL
Prep Date: 05/20/2007 09:52		
Data File: 4k629.d	Column: DB-624	Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	RDL
74-87-3	Chloromethane	U	1.00	ug/L	0.500	1.00	10.0
75-01-4	Vinyl chloride	U	1.00	ug/L	0.500	1.00	10.0
74-83-9	Bromomethane	U	1.00	ug/L	0.500	1.00	10.0
75-00-3	Chloroethane	U	1.00	ug/L	0.500	1.00	10.0
75-69-4	Trichlorofluoromethane	U	1.00	ug/L	0.310	1.00	5.00
75-35-4	1,1-Dichloroethylene	U	1.00	ug/L	0.300	1.00	5.00
75-09-2	Methylene chloride	U	2.00	ug/L	2.00	2.00	5.00
156-60-5	trans-1,2-Dichloroethylene	U	1.00	ug/L	0.300	1.00	5.00
75-34-3	1,1-Dichloroethane	U	1.00	ug/L	0.300	1.00	5.00
67-66-3	Chloroform	U	1.00	ug/L	0.250	1.00	5.00
71-55-6	1,1,1-Trichloroethane	U	1.00	ug/L	0.300	1.00	5.00
56-23-5	Carbon tetrachloride	U	1.00	ug/L	0.250	1.00	5.00
107-06-2	1,2-Dichloroethane	U	1.00	ug/L	0.250	1.00	5.00
71-43-2	Benzene	U	1.00	ug/L	0.300	1.00	5.00
79-01-6	Trichloroethylene	U	1.00	ug/L	0.250	1.00	5.00
78-87-5	1,2-Dichloropropane	U	1.00	ug/L	0.250	1.00	5.00
75-27-4	Bromodichloromethane	U	1.00	ug/L	0.250	1.00	5.00
110-75-8	2-Chloroethylvinyl ether	U	5.00	ug/L	1.50	5.00	10.0
10061-01-5	cis-1,3-Dichloropropylene	U	1.00	ug/L	0.250	1.00	5.00
108-88-3	Toluene	U	1.00	ug/L	0.250	1.00	5.00
10061-02-6	trans-1,3-Dichloropropylene	U	1.00	ug/L	0.250	1.00	5.00
79-00-5	1,1,2-Trichloroethane	U	1.00	ug/L	0.250	1.00	5.00
127-18-4	Tetrachloroethylene	U	1.00	ug/L	0.250	1.00	5.00
124-48-1	Dibromochloromethane	U	1.00	ug/L	0.250	1.00	5.00
108-90-7	Chlorobenzene	U	1.00	ug/L	0.250	1.00	5.00
100-41-4	Ethylbenzene	U	1.00	ug/L	0.250	1.00	5.00
75-25-2	Bromoform	U	1.00	ug/L	0.250	1.00	5.00
79-34-5	1,1,2,2-Tetrachloroethane	U	1.00	ug/L	0.250	1.00	5.00
541-73-1	1,3-Dichlorobenzene	U	1.00	ug/L	0.250	1.00	5.00
106-46-7	1,4-Dichlorobenzene	U	1.00	ug/L	0.250	1.00	5.00
95-50-1	1,2-Dichlorobenzene	U	1.00	ug/L	0.250	1.00	5.00

outfall 008 (HW)  
Sampled 5/18/07

# GEL LABORATORIES LLC

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

## Certificate of Analysis

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

Report Date: May 31, 2007

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

Client Sample ID: 24257-003  
Sample ID: 186426003  
Matrix: Water  
Collect Date: 18-MAY-07 09:45  
Receive Date: 19-MAY-07 09:30  
Collector: Client

Project: BRKL00504  
Client ID: BRKL005  
COC: 24257  
Samp Recv.:  
Client Desc.: CSF

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
<b>Oil &amp; Grease Analysis Federal</b>										
<i>EPA 1664A n-Hexane Extractable Material (Oil and G</i>										
Oil and Grease	J	1.02	0.898	4.08	mg/L		EXF1 05/21/07	1452	635948	1

### The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 1664A	

Outfall 010 (CSF)  
sampled 5/18/07