

120 E. Fifth Ave., Bldg. 860 P. O. Box 5000 Upton, NY 11973-5000 Phone 631 344-4549 Fax 631 344-7334 goode@bnl.gov

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

November 19, 2007

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

Gentlemen:

SUBJECT: State Pollutant Discharge Elimination System (SPDES) NY-0005835

Brookhaven National Laboratory (BNL) Discharge Monitoring Report (DMR)

for October 2007

In accordance with our SPDES Permit (NY-0005835), enclosed as Attachment I, please find the DMR for the month of October 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, hydroxyethilydene 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 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 October 2007.



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

Sincerely,

George A. Goode

Environmental & Waste Management Services

Mrs. God

Division Manager

GAG/JR:djp

Attachment I: Discharge Monitoring Report for October 2007.

Attachment II: Analytical Results from H2M Labs Inc. and General Engineering Laboratories, LLC

for samples collected on 10/5/07 and 10/8/07 from Outfall 001 (BNL Use Only).

Attachment III: Analytical Results from General Engineering Laboratories for samples collected

from Outfalls 002, 005, 006A, 006B, and 008 (BNL Use Only).

M. Bebon, w/o Attachments cc:

G. Goode, w/o Attachments

M. Holland, w/o Attachments

C. Kao, w/ all Attachments

E. Lessard, w/ all Attachments

E. Murphy, w/ all Attachments J. Remien, w/ all Attachments

R. Sorrentino, NYSDEC, w/ Attachment I

W. Chaloupka, w/ all Attachments

G. Granzen, w/ all Attachments

C. Johnson, w/o Attachments

R. Lee, w/ all Attachments

D. Lowenstein, w/o Attachments

V. Radeka, w/ all Attachments

E. Governale, SCDHS, w/ Attachment I

R. Backofen, w/o Attachments

R. Izzo, w/ all Attachments

File: EC62ER.07

Brookhaven National Laboratory SPDES Permit No. NY0005835 Discharge Monitoring Report for October 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).

ATTACHMENT I

BROOKHAVEN NATIONAL LABORATORY

SPDES PERMIT NO. NY0005835

BNL's APPROVED COMPUTER GENERATED DISCHARGE MONITORING REPORT FOR OCTOBER 2007

FOR OUTFALLS NO. 001 – 010

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

NAME

BROOKHAVEN NATIONAL LABORATORY

ADDRESS 53 BELL AVENUE, BLDG 464

UPTON, NY 11973

FACILITY BROOKHAVEN NATIONAL LABORATORY

LOCATION 53 BELL AVENUE, BLDG 464

UPTON, NY 11973

ATTN:

MICHAEL HOLLAND, OFFICE MGR

PERMIT NUMBER	DISCHARGE NUMBER
NY0005835	002B

	M	ONITORIN	G PERIOD		
- 1	FROM			ТО	
YEAR	MO	DAY	YEAR	MO	DAY
07	10	01	07	10	31

Page 1

DMR MAILING ZIP CODE: 11973

MAJOR

(SUBR 01)

RF(1004) & BRAHMS(1002) BLOWDN

External Outfall

No Discharge

X	
1	

PARAMETER		QUANTITY OR LOADING QUALITY OR CONCENTRATION						NO. EX	FREQUENCY OF	SAMPLE TYPE	
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		ANALYSIS	
рН	SAMPLE MEASUREMENT	*****	*****			*****			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	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	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	I certify under penalty of law that this document and all attachments were prepared under my direction or	1 1 1	DATE	
George A. Goode	supervision in accordance with a system designed to assure that qualified personnel properly gather	Mis Kind	7007 11	19
	and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or	1 400 000	2001 11	11
Environmental & Waste Management	those persons directly responsible for gathering the information, the information submitted is, to the best of my		YEAR MO	DAY
Services Division	knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting	SIGNATURE OF PRINCIPAL EXECUTIVE	TELEPHONE	
Typed or Printed	false information, including the possibliity of fine and imprisonment for knowing violations.	OFFICER OR AUTHORIZED AGENT 631-344-454		9

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.

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

NAME

BROOKHAVEN NATIONAL LABORATORY

ADDRESS 53 BELL AVENUE, BLDG 464

UPTON, NY 11973

FACILITY BROOKHAVEN NATIONAL LABORATORY

LOCATION 53 BELL AVENUE, BLDG 464

UPTON, NY 11973

ATTN:

MICHAEL HOLLAND, OFFICE MGR

PERMIT NUMBER	DISCHARGE NUMBER
NY0005835	001M

	M	ONITORIN	G PERIOD		
	FROM			TO	
YEAR	MO	DAY	YEAR	MO	DAY
07	10	01	07	10	31

Page 2

DMR MAILING ZIP CODE: 11973

MAJOR (SUBR 01)

PROCESS SANIT & STORMWTR RNOFF

External Outfall

No Discharge

PARAMETER		QUA	NTITY OR LO	ADING	QUA	LITY OR COM	CENTRATION	ı	NO. EX	FREQUENCY OF	SAMPLE TYPE	
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		ANALYSIS		
Temperature, water deg. Fahrenheit	SAMPLE MEASUREMENT	*****	*****		*****	*****	73		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	
рН	SAMPLE MEASUREMENT	*****	*****		6.1	*****	6.6		0	01/01	GR	
00400 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		5.8 MINIMUM	*****	9.0 MAXIMUM	SU		Daily	GRAB	
Solids, tolal suspended	SAMPLE MEASUREMENT	*****	*****		*****	<0.6	<0.6		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	*****	*****		*****	*****	8.7		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	*****	*****		****	*****	<0.10		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 I	aw that this docum	ent and all attachm	ents were prepared u	inder my direction or					4	DA	TE
George A. Goode	supervision in accordance	e with a system de	signed to assure the	at qualified personnel	properly gather		1	1		1- 1	70071	1 19
Division Manager	and evaluate the informat	ion submitted. Ba	sed on my inquiry o	f the person or perso	ns who manage the sy	stem, or	1	44	7/	mode	20071	1 11
Environmental & Waste Management	those persons directly res	ponsible for gathe	ring the information	, the information subr	mitted is, to the best of	my	/	1 3.73			YEAR I	MO DAY
Services Division	knowledge and belief, true	e, accurate, and co	omplete. I am aware	e that there are signif	icant penalties for sub	mitting	SIGNAT	URE OF PRIN	CIPAL E	XECUTIVE	TELEP	HONE
Typed or Printed	false information, including	g the possibliity of	fine and imprisonm	nent for knowing viola	tions.		OFFI	CER OR AUTH	IORIZED	AGENT	631-34	4-4549

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.

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	BER	DISCHARGE NUMI	PERMIT NUMBER
		001M	NY0005835

	M	ONITORIN	G PERIOD		
	FROM			TO	
YEAR	MO	DAY	YEAR	MO	DAY
07	10	01	07	10	31

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DMR MAILING ZIP CODE: 11973

MAJOR (SUBR 01)

PROCESS SANIT & STORMWTR RNOFF

External Outfall

No Discharge

PARAMETER		QUA	NTITY OR LO	ADING	QUA	ALITY OR COI	NCENTRATION	1	NO.	FREQUENCY	SAMPLE]
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	1	ANALYSIS		
Phosphorus, total (as P)	SAMPLE MEASUREMENT	*****	*****	8	*****	****	1.5		0	02/30	24	100
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	02/30	GR	
00720 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****	*-	*****	*****	100 DAILY MX	ug/L		Twice Per Month	GRAB	
Copper, total (as Cu)	SAMPLE MEASUREMENT	*****	*****		*****	*****	0.056		0	02/30	24	
01042 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****			*****	0.15 DAILY MX	mg/L		Once Per Month	COMP24	
Iron, total (as Fe)	SAMPLE MEASUREMENT	*****	*****		****	*****	0.13		0	02/30	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	*****	*****		*****	*****	0.005		0	02/30	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	*****	*****		****	*****	0.012		0	02/30	24	
01067 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	0.11 DAILY MX	mg/L		Once Per Month	COMP24	
Silver, total (as Ag) SEE NOTE #1	SAMPLE MEASUREMENT	****	*****		*****	*****	0.0017		0	02/30	24	
01077 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	*****		*****	*****	0.015 DAILY MX	mg/L		Once Per Month	COMP24	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of la	w that this docum	ent and all attachme	ents were prepared u	nder my direction or					1 0	DA	TE
George A. Goode Division Manager	supervision in accordance and evaluate the informati					ystem, or	1	nA	-/	wood	2007	1 19
Environmental & Waste Management	those persons directly resp	oonsible for gather	ring the information,	the information subr	nitted is, to the best o	f my	/				YEAR	MO DAY
Services Division	knowledge and belief, true	, accurate, and co	mplete. I am aware	that there are signifi	cant penalties for sub	mitting	SIGNAT	URE OF PRIN	CIPAL E	KECUTIVE	TELEF	HONE
Typed or Printed	false information, including	g the possibliity of	fine and imprisonme	ent for knowing viola	tions.		OFFI	CER OR AUTH	IORIZED	AGENT	631-34	4-4549

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.

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

NAME

BROOKHAVEN NATIONAL LABORATORY

ADDRESS 53 BELL AVENUE, BLDG 464

UPTON, NY 11973

FACILITY BROOKHAVEN NATIONAL LABORATORY

LOCATION 53 BELL AVENUE, BLDG 464 UPTON, NY 11973

ATTN:

MICHAEL HOLLAND, OFFICE MGR

PERMIT NUMBER	DISCHARGE NUMBER
NY0005835	001M

	M	ONITORIN	G PERIOD		
	FROM			ТО	
YEAR	MO	DAY	YEAR	MO	DAY
07	10	01	07	10	31

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DMR MAILING ZIP CODE: 11973

MAJOR (SUBR 01)

PROCESS SANIT & STORMWTR RNOFF

External Outfall

No Discharge

PARAMETER		QUA	NTITY OR LO	ADING	QUA	ALITY OR COM	NCENTRATION	1	NO. EX	FREQUENCY	SAMPLE TYPE	
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		ANALYSIS		
Zinc, total (as Zn)	SAMPLE MEASUREMENT	*****	****	-	*****	*****	0.04		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	*****	*****	7	*****	*****	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	0.34	0.44		*****	*****	*****		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	*****	*****		*****	*****	<0.00003		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	1170
74055 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	****		*****	200 DAILY AV	400 DAILY MX	#/100mL		Once Per Month	GRAB	
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of	law that this docum	ent and all attachme	ents were prepared u	nder my direction or		1				DA	TE
George A. Goode Division Manager	supervision in accordance					vstem, or	1	n 4	- /	Looch	207	11 19
Environmental & Waste Management	those persons directly re-								-	- v	YEAR	MO DAY
Services Division	knowledge and belief, tru						SIGNA	TURE OF PRIN	ICIPAL E	XECUTIVE	TELEF	PHONE
Typed or Printed	false information, including					**************************************	OFF	ICER OR AUTH	HORIZED	AGENT	631-34	14-4549

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.

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

NAME

BROOKHAVEN NATIONAL LABORATORY

ATTN:

ADDRESS 53 BELL AVENUE, BLDG 464

UPTON, NY 11973

FACILITY

BROOKHAVEN NATIONAL LABORATORY

LOCATION 53 BELL AVENUE, BLDG 464

UPTON, NY 11973

MICHAEL HOLLAND, OFFICE MGR

PERMIT NUM	BER	DISCHARGE NUMBER
NY000583	5	001M

	M	ONITORIN	G PERIOD		
FROM			ТО		
YEAR	MO	DAY	YEAR	MO	DAY
07	10	01	07	10	31

Page 5

DMR MAILING ZIP CODE: 11973

MAJOR

(SUBR 01)

PROCESS SANIT & STORMWTR RNOFF

External Outfall

No Discharge

PARAMETER		QUA	NTITY OR LO	ADING	QUA	LITY OR COM	CENTRATION		NO. EX	FREQUENCY OF	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		ANALYSIS	100000000000
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	*****	*****		>90	*****	*****		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	I certify under penalty of law that this document and all attachments were prepared under my direction or	,		DATE	
George A. Goode	supervision in accordance with a system designed to assure that qualified personnel properly gather	1.			10
Division Manager	and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or	MAZ MOTTE	2007	11	19
Environmental & Waste Management	those persons directly responsible for gathering the information, the information submitted is, to the best of my	, , , , ,	YEAR	MO	DAY
Services Division	knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting	SIGNATURE OF PRINCIPAL EXECUTIVE	TE	LEPHONE	
Typed or Printed	false information, including the possibliity of fine and imprisonment for knowing violations.	OFFICER OR AUTHORIZED AGENT	631	1-344-4549	e

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.

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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

PERMIT NUMBER	DISCHARGE NUMBER
NY0005835	002M

	M	ONITORIN	G PERIOD			
FROM			то			
YEAR	MO	DAY	YEAR	MO	DAY	
07	10	01	07	10	31	

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DMR MAILING ZIP CODE: 11973

MAJOR

(SUBR 01)

AGS NON-C COOLING, PRCP, ETC (HN)

External Outfall

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION					FREQUENCY OF	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		ANALYSIS	
рН	SAMPLE MEASUREMENT	*****	****		7.3	*****	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	****	*****		*****	*****	<1.4		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	0.09	*****		*****	*****	*****	2	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	I certify under penalty of law that this document and all attachments were prepared under my direction or	- v = =		DATE	
George A. Goode	supervision in accordance with a system designed to assure that qualified personnel properly gather	12 12 6 -0	77	11	19
Division Manager	and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or	10 a to 1 wood	200 1	11	1/
Environmental & Waste Management	those persons directly responsible for gathering the information, the information submitted is, to the best of my		YEAR	MO	DAY
Services Division	knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting	SIGNATURE OF PRINCIPAL EXECUTIVE	TE	LEPHONE	ē
Typed or Printed	false information, including the possibliity of fine and imprisonment for knowing violations.	OFFICER OR AUTHORIZED AGENT	63	1-344-454	9

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.

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

BROOKHAVEN NATIONAL LABORATORY

ADDRESS 53 BELL AVENUE, BLDG 464

UPTON, NY 11973

FACILITY

BROOKHAVEN NATIONAL LABORATORY

LOCATION 53 BELL AVENUE, BLDG 464

UPTON, NY 11973

ATTN:

MICHAEL HOLLAND, OFFICE MGR

PERMIT NUMBER	DISCHARGE NUMBER
NY0005835	005M

	M	ONITORIN	G PERIOD			
	FROM		ТО			
YEAR	MO	DAY	YEAR	MO	DAY	
07	10	01	07	10	31	

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DMR MAILING ZIP CODE: 11973

MAJOR

(SUBR 01)

NSLS COOLING TOWR BLDN ETC (HS)

External Outfall

No Discharge

PARAMETER		QUA	NTITY OR LO	ADING	QUA	LITY OR CON	CENTRATION	ĺ	NO. EX	FREQUENCY OF	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		ANALYSIS	
pH	SAMPLE MEASUREMENT	****	*****		7.1	*****	7.8		0	04/30	GR
00400 1 0	PERMIT	*****	*****		Req. Mon.	*****	8.5			Once Per	GRAB
Effluent Gross	REQUIREMENT				MINIMUM		MAXIMUM	SU		Month	GITAB
Oil & grease	SAMPLE MEASUREMENT	*****	****		*****	*****	<1.6		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	0.11	*****		*****	*****	*****		0	04/30	RC
50050 1 0 Effluent Gross	PERMIT REQUIREMENT	Req. Mon. MO AV	*****	Mgal/d	******	*****	*****			Once Per Month	RCORDR

I certify under penalty of law that this document and all attachments were prepared under my direction or			DATE	
supervision in accordance with a system designed to assure that qualified personnel properly gather	1 . 1 . 1	77	11	19
and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or	MA / woll	6001	"	//
those persons directly responsible for gathering the information, the information submitted is, to the best of my	/	YEAR	MO	DAY
knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting	SIGNATURE OF PRINCIPAL EXECUTIVE	TE	LEPHONE	Ē
false information, including the possibility of fine and imprisonment for knowing violations.	OFFICER OR AUTHORIZED AGENT	63	1-344-4549	9
	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	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 SIGNATURE OF PRINCIPAL EXECUTIVE	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 SIGNATURE OF PRINCIPAL EXECUTIVE TE	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 SIGNATURE OF PRINCIPAL EXECUTIVE TELEPHONE

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

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

	M	ONITORIN	G PERIOD		
	FROM			ТО	2000
YEAR	MO	DAY	YEAR	MO	DAY
07	10	01	07	10	31

Page 8

DMR MAILING ZIP CODE: 11973

MAJOR (SUBR 01)

WATER TREATMENT PLT BKWSH (HX)

External Outfall

No Discharge

PARAMETER		QUA	ANTITY OR LO	ADING	QUA	LITY OR CO	NCENTRATION	ı	NO. EX	FREQUENCY OF	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		ANALYSIS	
Flow rate	SAMPLE MEASUREMENT	*****	160000	*****	*****	*****	*****		0	11/30	IN
00056 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	Req. Mon. DAILY MX	gal/d	*****	*****	*****			Once Per Month	INSTAN
рН	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	I certify under penalty of law that this document and all attachments were prepared under my direction or			DATE	
George A. Goode	supervision in accordance with a system designed to assure that qualified personnel properly gather	10 10 10	2 -	22	10
Division Manager	and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or	16 4 Toval	1007	1 11 19	19
Environmental & Waste Management	those persons directly responsible for gathering the information, the information submitted is, to the best of my		YEAR	MO	DAY
Services Division	knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting	SIGNATURE OF PRINCIPAL EXECUTIVE	TE	LEPHONE	E
Typed or Printed	false information, including the possibliity of fine and imprisonment for knowing violations.	OFFICER OR AUTHORIZED AGENT	63	1-344-454	9

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.

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

NAME

BROOKHAVEN NATIONAL LABORATORY

ADDRESS 53 BELL AVENUE, BLDG 464

UPTON, NY 11973

FACILITY BROOKHAVEN NATIONAL LABORATORY

LOCATION 53 BELL AVENUE, BLDG 464 **UPTON, NY 11973**

ATTN:

MICHAEL HOLLAND, OFFICE MGR

PERMIT NUMBER	DISCHARGE NUMBER
NY0005835	008M

	M	ONITORIN	G PERIOD			
	FROM		ТО			
YEAR	MO	DAY	YEAR	MO	DAY	
07	10	01	07	10	31	

Page 9

DMR MAILING ZIP CODE: 11973

MAJOR

(SUBR 01)

STORMWTR RUNOFF WAREHOUSE (HW)

External Outfall

No Discharge

PARAMETER		QUA	ANTITY OR LO	ADING	QUA	LITY OR COM	NCENTRATION	l ,	NO. EX	FREQUENCY OF	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	1	ANALYSIS	
Flow rate SEE NOTE #2	SAMPLE MEASUREMENT	*****	217000		*****	*****	*****		0	01/30	IN
00056 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	Req. Mon. DAILY MX	gal/d	*****	*****	*****			Once Per Month	INSTAN
pH	SAMPLE MEASUREMENT	*****	*****		7.6	*****	7.6		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	*****	*****		*****	*****	1.7		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	*****	****	3	*****	*****	<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	I certify under penalty of law that this document and all attachments were prepared under my direction or	,	DATE	
George A. Goode	supervision in accordance with a system designed to assure that qualified personnel properly gather	1- 1		
Division Manager	and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or	John Somme	Z 90 7 /1 /9 YEAR MO DAY TELEPHONE 631-344-4549	9
Environmental & Waste Management	those persons directly responsible for gathering the information, the information submitted is, to the best of my		YEAR MO DA'	Y
Services Division	knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting	SIGNATURE OF PRINCIPAL EXECUTIVE	TELEPHONE	7
Typed or Printed	false information, including the possibility of fine and imprisonment for knowing violations.	OFFICER OR AUTHORIZED AGENT	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

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

NAME

BROOKHAVEN NATIONAL LABORATORY

ADDRESS 53 BELL AVENUE, BLDG 464 **UPTON. NY 11973**

FACILITY BROOKHAVEN NATIONAL LABORATORY

LOCATION 53 BELL AVENUE, BLDG 464

UPTON, NY 11973

ATTN:

MICHAEL HOLLAND, OFFICE MGR

PERMIT NUMBER	DISCHARGE NUMBER
NY0005835	010M

-	M	ONITORIN	G PERIOD		7/2		
	FROM		ТО				
YEAR	MO	DAY	YEAR	MO	DAY		
07	10	01	07	10	31		

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DMR MAILING ZIP CODE: 11973

MAJOR

(SUBR 01)

STORMWTR R O CENTRAL STEAM (H)

External Outfall

No Discharge

X

PARAMETER		QUANTITY OR LOADING			QUA	QUALITY OR CONCENTRATION				FREQUENCY OF	SAMPLE TYPE
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS		ANALYSIS	
Flow rate	SAMPLE MEASUREMENT	*****			*****	*****	****		0	01/30	IN
00056 1 0 Effluent Gross	PERMIT REQUIREMENT	*****	Req. Mon. DAILY MX	gal/d	*****	*****	*****			Once Per Month	INSTAN
рН	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	SAMPLE MEASUREMENT	*****	****	100	*****	*****			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	I certify under penalty of law that this document and all attachments were prepared under my direction or	/ /	DATE
George A. Goode	supervision in accordance with a system designed to assure that qualified personnel properly gather	1011 4 101000	
Division Manager	and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or	Jour Flow	2001 11 17
Environmental & Waste Management	those persons directly responsible for gathering the information, the information submitted is, to the best of my	·	YEAR MO DAY
Services Division knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting		SIGNATURE OF PRINCIPAL EXECUTIVE	TELEPHONE
Typed or Printed false information, including the possibility of fine and imprisonment for knowing violations.		OFFICER OR AUTHORIZED AGENT	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.

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

NAME

BROOKHAVEN NATIONAL LABORATORY

ADDRESS 53 BELL AVENUE, BLDG 464

UPTON, NY 11973

FACILITY BROOKHAVEN NATIONAL LABORATORY

LOCATION 53 BELL AVENUE, BLDG 464

UPTON, NY 11973

ATTN:

MICHAEL HOLLAND, OFFICE MGR

PERMIT NUMBER	DISCHARGE NUMBER			
NY0005835	06AM			

MONITORING PERIOD									
	FROM		ТО						
YEAR	MO	DAY	YEAR	MO	DAY				
07	10	01	07	10	31				

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DMR MAILING ZIP CODE: 11973

MAJOR

(SUBR 01)

LINAC NCCW, FLOOR DNS,ETC (HT1)

External Outfall

No Discharge

PARAMETER		QUANTITY OR LOADING		QUA	QUALITY OR CONCENTRATION				FREQUENCY OF	SAMPLE TYPE	
		VALUE	VALUE	UNITS	VALUE	VALUE	VALUE	UNITS	1	ANALYSIS	
pH ·	SAMPLE MEASUREMENT	*****	*****		7.4	*****	7.9		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	*****	****		*****	*****	<1.3		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	0.06	*****		****	*****	*****		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	I certify under penalty of law that this document and all attachments were prepared under my direction or	IA NO NO NO		DATE	
George A. Goode	supervision in accordance with a system designed to assure that qualified personnel properly gather	rdance with a system designed to assure that qualified personnel properly gather		11	10
Division Manager	Division Manager and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or		Zas 7	11	17
Environmental & Waste Management	Environmental & Waste Management those persons directly responsible for gathering the information, the information submitted is, to the best of my		YEAR	MO	DAY
Services Division	Services Division knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting		TE	LEPHONE	E
Typed or Printed false information, including the possibility of fine and imprisonment for knowing violations.		OFFICER OR AUTHORIZED AGENT	631-344-4549		9

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

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

MICHAEL HOLLAND, OFFICE MGR ATTN:

NY0005835	06BM
PERMIT NUMBER	DISCHARGE NUMBER

	M	ONITORIN	G PERIOD		
	FROM				
YEAR	MO	DAY	YEAR	MO	DAY
07	10	01	07	10	31

Page 12

DMR MAILING ZIP CODE: 11973

MAJOR

(SUBR 01)

COOLING TOWR FROM 919 ETC (HT2)

External Outfall

No Discharge

PARAMETER		QUANTITY OR LOADING			QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF	SAMPLE TYPE
			MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM	UNITS		ANALYSIS	
pH	SAMPLE MEASUREMENT	*****	*****		7.6	*****	7.9		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	*****	*****		*****	*****	<1.4		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	0.004	*****		*****	*****	****		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	I certify under penalty of law that this document and all attachments were prepared under my direction or		DATE
George A. Goode	supervision in accordance with a system designed to assure that qualified personnel properly gather	1 1	7.17 11 10
Division Manager	and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or	My front	2007 11 19
Environmental & Waste Management	those persons directly responsible for gathering the information, the information submitted is, to the best of my	,	YEAR MO DAY
Services Division	Services Division knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting		TELEPHONE
Typed or Printed false information, including the possibility of fine and imprisonment for knowing violations.		OFFICER OR AUTHORIZED AGENT	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 OCTOBER 2007

ANALYTICAL RESULTS FROM H2M LABS

AND GENERAL ENGINEERING LABORATORIES, LLC

FOR REGULATORY COMPLIANCE SAMPLES COLLECTED

10/5/07 and 10/8/07

FROM OUTFALL 001

H2M LABS, INC.

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

LABORATORY RESULTS

Lab No. : 0711599-001

Sample Information...

Type: Aqueous

Origin:

Brookhaven National Lab.-BNLS

70 Bell Ave.

Upton, NY 11973 Attn To:

Bob Lee

Client ID. : 24854-001

Collected : 10/5/2007 9:50:00 AM Received : 10/5/2007 3:15:00 PM

Collected By CLIENT Copies To :Original

Parameter(s)	Results	Qualifier	D.F.	<u>Units</u>	Method Number	Analyzed
Biochemical Oxygen Demand	< 2		1	mg/L	E405.1	10/05/2007 2:20 PM
Nitrogen, Total	9.2		1	mg/L	M4500-N C	10/15/2007
Nitrogen, Ammonia (As N)	< 0.10		1	mg/L	E350.1	10/10/2007 11:35 AM
Nitrite as N	0.01		1	mg/L	E353.2	10/06/2007 8:26 AM
Nitrate as N	8.71		10	mg/L	E353.2	10/10/2007 10:21 AM
Nitrogen, Kjeldahl, Total	0.51		1	mg/L	E351.2	10/12/2007 9:28 AM

Ontfall 001 Sampled 10/5/07 24 hour composite

Qualifiers:

E - Value above quantitation range

D - Results for Dilution

D.F. = Dilution Factor

Date Reported: 10/18/2007

Joann M. Slavin

H2M LABS, INC.

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

LABORATORY RESULTS

Lab No. : 0711622-001

Sample Information...

Type: Aqueous

Origin:

Brookhaven National Lab.-BNLS

70 Bell Ave.

Upton, NY 11973

Attn To: Bob Lee

Client ID. : 24858-001

Collected : 10/8/2007 10:40:00 AM Received : 10/8/2007 3:00:00 PM

Collected By CLIENT

Copies To :Original

CC

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Biochemical Oxygen Demand	< 2		1	mg/L	E405.1	10/10/2007 10:40 AM
Nitrogen, Total	6.8		1	mg/L	M4500-N C	10/15/2007
Nitrogen, Ammonia (As N)	< 0.10		1	mg/L	E350.1	10/10/2007 11:39 AM
Nitrite as N	< 0.01		1	mg/L	E353.2	10/10/2007 8:29 AM
Nitrate as N	6.31		10	mg/L	E353.2	10/10/2007 10:25 AM
Nitrogen, Kjeldahl, Total	0.44		1	mg/L	E351.2	10/12/2007 9:30 AM

On Hall 001 Sampled 10/8/07 24 hour composite

Qualifiers:

E - Value above quantitation range

D - Results for Dilution

D.F. = Dilution Factor

Date Reported: 10/18/2007

Joann M. Slavin

H2M LABS. INC.

(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

Lab No. : 0711599-002

Sample Information...

Type: Aqueous

Origin:

Brookhaven National Lab.-BNLS

70 Bell Ave. Upton, NY 11973

Bob Lee Attn To:

Client ID. : 24854-002

Received

Collected : 10/5/2007 1:45:00 PM

Collected By CLIENT

:10/5/2007 3:15:00 PM

Copies To :Original

CC

Parameter(s)	Results	Qualifier	D.F.	<u>Units</u>	Method Number	Analyzed
Total Coliform	< 2		1	MPN	M9221 BC	10/05/2007 3:30 PM
Fecal Coliform	< 2		1	MPN	M9221 BC	10/05/2007 3:30 PM

outfall ool Sampled 10/5/07 Grab

Qualifiers:

E - Value above quantitation range

D - Results for Dilution

D.F. = Dilution Factor

Date Reported: 10/18/2007

Joann M. Slavin

H2M LABS, INC.

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

LABORATORY RESULTS

Lab No. : 0711622-002

Sample Information...

Type: Aqueous

Origin:

Brookhaven National Lab.-BNLS

70 Bell Ave.

Upton, NY 11973

Attn To:

Bob Lee

: 10/8/2007 2:00:00 PM

Collected

Received : 10/8/2007 3:00:00 PM

Collected By CLIENT

Copies To :Original

CC

٠	Parameter(s)	Results	Qualifier	D.F.	<u>Units</u>	Method Number	Analyzed
	Total Coliform	< 2		1	MPN	M9221 BC	10/08/2007 3:45 PM
	Fecal Coliform	< 2		1	MPN	M9221 BC	10/08/2007 3:45 PM

Client ID. : 24858-002

Outfall 001 Sampled 10/8/07 Grab

Qualifiers:

E - Value above quantitation range

D - Results for Dilution

D.F. = Dilution Factor

Date Reported: 10/18/2007

Joann M. Slavin

H2M LABS. INC.

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

LABORATORY RESULTS

Lab No. : 0711599-003

Sample Information...

Type: Aqueous

Origin:

Brookhaven National Lab.-BNLS

70 Bell Ave.

Upton, NY 11973

Attn To:

Bob Lee

Collected : 10/5/2007 10:30:00 AM

Received : 10/5/2007 3:15:00 PM

Collected By CLIENT Copies To :Original

Parameter(s)

Biochemical Oxygen Demand

CC

Results

22

Qualifier D.F.

Client ID. : 24854-003

1

Units mg/L

Method Number

Analyzed

E405.1

10/05/2007 2:30 PM

STP Influent
Sampled 10/5/07
24 hour composite

Qualifiers:

E - Value above quantitation range

D - Results for Dilution

D.F. = Dilution Factor

Date Reported: 10/18/2007

Joann M. Slavin

H2M LABS. INC.

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

LABORATORY RESULTS

Lab No. : 0711622-003

Sample Information...

Type: Aqueous

Origin:

Brookhaven National Lab.-BNLS

70 Bell Ave.

Attn To:

Upton, NY 11973

Bob Lee

Collected : 10/8/2007 11:00:00 AM

Received : 10/8/2007 3:00:00 PM

Collected By CLIENT Copies To :Original

CC

Parameter(s) Biochemical Oxygen Demand Results < 20

Qualifier D.F.

Client ID. : 24858-003

Units mg/L Method Number

Analyzed

E405.1

10/10/2007 10:45 AM

STP: Influent Sampled 10/8/07 24 hour composite

Qualifiers:

E - Value above quantitation range

D - Results for Dilution

D.F. = Dilution Factor

Date Reported: 10/18/2007

Joann M. Slavin

24853-002

10/16/2007 19:31

10/16/2007 19:31

692132

9g218.d

Client ID:

Batch ID:

Run Date:

Prep Date:

Data File:

Report Date: November 1, 2007 Page 1

of 1

Volatile Certificate of Analysis Sample Summary

SDG Number: 195226 Date Collected: Lab Sample ID: 195226002 Client Sample: STP Effluent

10/05/2007 13:45 Date Received: 10/06/2007 09:30 Client: BRKL005 Method:

EPA 624

Project: SOP Ref:

Matrix:

BRKL00504 GL-OA-E-026

WATER

1

5 mL

VOA9.I Dilution: Inst: Analyst: RXY1 Purge Vol:

Column: LOW RTX-Volatiles Level:

	CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ
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 1.100 67-64-1 Acetone J 1.29 ug/L 6.25 25.0 75-05-8 Acetonitrile U 2.50 ug/L 6.25 25.0 75-05-2 Methylene chloride U 1.00 ug/L 0.300 1.00 75-09-2 Methylene chloride U 5.00 ug/L 0.20 2.00 156-60-5 trans-1,2-Dichloroethylene U 1.00 ug/L 0.300 1.00 78-93-3 1,1-Dichloroethane U 1.00 ug/L 0.250 1.00 71-55-6 1,1,1-Trichloroethane U 1.00 ug/L 0.250 1.00 107-06-2 1,2-Dichloroethane U 1.00 ug/L 0.250 1.00	74-87-3	Chloromethane	U	1.00	ug/L	0.500	1.00
75-60-3 Chloroethane U 1.00 ug/L 0.500 1.00 75-69-4 Trichlorofluoromethane U 1.00 ug/L 0.310 1.00 67-64-1 Acetone J 1.29 ug/L 6.25 25.0 75-35-4 1.1-Dichloroethylene U 1.00 ug/L 0.300 1.00 75-90-2 Methylene chloride U 2.00 ug/L 0.20 2.00 156-60-5 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 75-34-3 1.1-Dichloroethane U 1.00 ug/L 0.30 1.00 78-93-3 2-Butanone U 1.00 ug/L 0.250 1.00 71-55-6 1.1.1-Trichloroethane U 1.00 ug/L 0.250 1.00 107-06-2 1.2-Dichloroethane U 1.00 ug/L 0.250 1.00<	75-01-4	Vinyl chloride	U	1.00	ug/L	0.500	1.00
Trichlorofluoromethane	74-83-9	Bromomethane	U	1.00	ug/L	0.500	1.00
1.29 wg/L 1.25 5.00	75-00-3	Chloroethane	U	1.00	ug/L	0.500	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 2.00 156-60-5 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 0.250 1.00 67-66-3 Chloroform U 1.00 ug/L 0.250 1.00 75-23-5 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 78-87-5 1,2-Dichloroethylene U 1.00 ug/L 0.250 1.00 107-06-2 1,2-Dichloroethylene U 1.00 ug/L 0.250 1	75-69-4	Trichlorofluoromethane	U	1.00	ug/L	0.310	1.00
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 0.300 1.00 156-60-5 trans-1,2-Dichloroethylene U 1.00 ug/L 0.300 1.00 78-34-3 1,1-Dichloroethane U 5.00 ug/L 0.250 1.00 78-93-3 2-Butanone U 5.00 ug/L 0.250 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 0.250 1.00 107-06-2 1,2-Dichloroethane U 1.00 ug/L 0.250 1.00 79-01-6 Trichloroethylene U 1.00 ug/L 0.250 1.00 78-87-5 1,2-Dichloroethylene U 1.00 ug/L 0.250	67-64-1	Acetone	J	1.29	ug/L	1.25	5.00
Methylene chloride	75-05-8	Acetonitrile	U	25.0	ug/L	6.25	25.0
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 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 0.250 1.00 107-06-2 1,2-Dichloroethane U 1.00 ug/L 0.250 1.00 79-01-6 Trichloroethylene U 1.00 ug/L 0.250 1.00 79-88-5 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 1.25 5.00 10061-01-5 cis-1,3-Dichloropropylene U 1.00 ug/L	75-35-4	1,1-Dichloroethylene	U	1.00	ug/L	0.300	1.00
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 0.250 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 0.250 1.00 107-06-2 1,2-Dichloroethane U 1.00 ug/L 0.250 1.00 107-43-2 Benzene U 1.00 ug/L 0.250 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 1.00 108-10-1 4-Methyl-2-pentanone U 5.00 ug/L 1.25 5.00<	75-09-2	Methylene chloride	U	2.00	ug/L	2.00	2.00
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 0.250 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 0.250 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 0.250 1,00	1634-04-4	tert-Butyl methyl ether	U	5.00	ug/L	0.250	5.00
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 0.250 1.00 107-06-2 1,2-Dichloroethane U 1.00 ug/L 0.250 1.00 77-43-2 Benzene U 1.00 ug/L 0.250 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 78-87-5 1,2-Dichloropropane U 1.00 ug/L 0.250 1.00 78-87-5 1,2-Dichloropropane U 1.00 ug/L 0.250 1.00 110-75-8 1,2-Chloroethylvinyl ether U 5.00 ug/L 1.50 5.00 108-10-1 4-Methyl-2-pentanone U 5.00 ug/L 0.250 1.00 <td>156-60-5</td> <td>trans-1,2-Dichloroethylene</td> <td>U</td> <td>1.00</td> <td>ug/L</td> <td>0.300</td> <td>1.00</td>	156-60-5	trans-1,2-Dichloroethylene	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 I.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 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 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 <td>75-34-3</td> <td>1,1-Dichloroethane</td> <td>U</td> <td>1.00</td> <td>ug/L</td> <td>0.300</td> <td>1.00</td>	75-34-3	1,1-Dichloroethane	U	1.00	ug/L	0.300	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 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 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	78-93-3	2-Butanone	U	5.00	ug/L	1.25	5.00
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 0.250 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	67-66-3	Chloroform	U	1.00	ug/L	0.250	1.00
107-06-2	71-55-6	1,1,1-Trichloroethane	U	1.00	ug/L	0.300	1.00
Tichloroethylene	56-23-5	Carbon tetrachloride	U	1.00	ug/L	0.250	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 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 1.00 127-18-6 2-Hexanone U 5.00 ug/L 0.250 1.00 124-48-1 Dibromochloromethane U 1.00 ug/L 0.250 1.00 100-41-4 Ethylbenzene U 1.00 ug/L	107-06-2	1,2-Dichloroethane	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 0.250 1.00 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 1.00 100-41-4 Ethylbenzene U 1.00 ug/L	71-43-2	Benzene	U	1.00	ug/L	0.300	1.00
1.00	79-01-6	Trichloroethylene	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 10061-02-6 trans-1,3-Dichloropropylene U 1.00 ug/L 0.250 1.00 10061-02-6 1,1,2-Trichloroethane U 1.00 ug/L 0.250 1.00 10061-02-6 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 1.00 100-41-4 Ethylbenzene U 1.00 ug/L 0.250 1.00 100-41-4 Ethylbenzene U 1.00 ug/L 0.250 1.00 100-41-3-5 1,1,2,2-Tetrachloroethane U 1.00 ug/L 0.250 1.00 1006-46-7 1,4-Dichlorobenzene U 1.00 ug/L 0.250 1.00 1006-46-7 1.4-Dichlorobenzene U 1	78-87-5	1,2-Dichloropropane	U	1.00	ug/L	0.250	1.00
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 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	75-27-4	Bromodichloromethane	U	1.00	ug/L	0.250	1.00
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 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 </td <td>110-75-8</td> <td>2-Chloroethylvinyl ether</td> <td>U</td> <td>5.00</td> <td>ug/L</td> <td>1.50</td> <td>5.00</td>	110-75-8	2-Chloroethylvinyl ether	U	5.00	ug/L	1.50	5.00
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 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	108-10-1	4-Methyl-2-pentanone	U	5.00	ug/L	1.25	5.00
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	10061-01-5	cis-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	108-88-3	Toluene	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	10061-02-6	trans-1,3-Dichloropropylene	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	79-00-5	1,1,2-Trichloroethane	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	591-78-6	2-Hexanone	U	5.00	ug/L	1.25	5.00
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	127-18-4	Tetrachloroethylene	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	124-48-1	Dibromochloromethane	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	108-90-7	Chlorobenzene	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	100-41-4	Ethylbenzene	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	75-25-2	Bromoform	U	1.00	ug/L	0.250	1.00
106–46–7 1,4–Dichlorobenzene 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
95-50-1 1,2-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

entfall 00/ Sampled 10/5/07

of 1

Volatile Certificate of Analysis

Sample Summary

Date Collected: 10/08/2007 14:00 Date Received:

10/09/2007 13:30

Matrix:

WATER

Lab Sample ID: 195305002 Client Sample: STP Effluent Client ID:

SDG Number: 195305

24857-002

Client: Method: BRKL005 EPA 624

Project: SOP Ref: Dilution: BRKL00504 GL-OA-E-026

Batch ID: Run Date: 692132 10/16/2007 20:27

9g220.d

Inst: Analyst: VOA9.I RXY1

Purge Vol:

1 5 mL

Prep Date: Data File:

10/16/2007 20:27

Column:

RTX-Volatiles

Level:

LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	
74-87-3	Chloromethane		1.62	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	
5-69-4	Trichlorofluoromethane	U	1.00	ug/L	0.310	1.00	
7-64-1	Acetone	J	1.52	ug/L	1.25	5.00	
5-05-8	Acetonitrile	U	25.0	ug/L	6.25	25.0	
5-35-4	1,1-Dichloroethylene	U	1.00	ug/L	0.300	1.00	
5-09-2	Methylene chloride	U	2.00	ug/L	2.00	2.00	
634-04-4	tert-Butyl methyl ether	U	5.00	ug/L	0.250	5.00	
56-60-5	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	
1-55-6	1,1,1-Trichloroethane	U	1.00	ug/L	0.300	1.00	
6-23-5	Carbon tetrachloride	U	1.00	ug/L	0.250	1.00	
07-06-2	1,2-Dichloroethane	U	1.00	ug/L	0.250	1.00	
1-43-2	Benzene	U	1.00	ug/L	0.300	1.00	
9-01-6	Trichloroethylene	U	1.00	ug/L	0.250	1.00	
8-87-5	1,2-Dichloropropane	U	1.00	ug/L	0.250	1.00	
5-27-4	Bromodichloromethane	U	1.00	ug/L	0.250	1.00	
10-75-8	2-Chloroethylvinyl ether	U	5.00	ug/L	1.50	5.00	
08-10-1	4-Methyl-2-pentanone	U	5.00	ug/L	1.25	5.00	
0061-01-5	cis-1,3-Dichloropropylene	U	1.00	ug/L	0.250	1.00	
08-88-3	Toluene	U	1.00	ug/L	0.250	1.00	
0061-02-6	trans-1,3-Dichloropropylene	U	1.00	ug/L	0.250	1.00	
9-00-5	1,1,2-Trichloroethane	U	1.00	ug/L	0.250	1.00	
91-78-6	2-Hexanone	U	5.00	ug/L	1.25	5.00	
27-18-4	Tetrachloroethylene	U	1.00	ug/L	0.250	1.00	
24-48-1	Dibromochloromethane	U	1.00	ug/L	0.250	1.00	
08-90-7	Chlorobenzene	U	1.00	ug/L	0.250	1.00	
00-41-4	Ethylbenzene	U	1.00	ug/L	0.250	1.00	
5-25-2	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	
41-73-1	1,3-Dichlorobenzene	U	1.00	ug/L	0.250	1.00	
06-46-7	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 10/8/07

SDG No: 195226 **METHOD TYPE:** SW846

SAMPLE ID: 195226001 **CLIENT ID:** 24853–001

CONTRACT: BRKL00504

MATRIX:W DATE RECEIVED 06-OCT-07 LEVEL: Low %SOLIDS:

CAS No	Analyte	Result	<u>Units</u>	<u>C</u>	Qual M	MDL	DF	Instrument ID	Analytical Run
7429-90-5	Aluminum	68	ug/L	U	P	68	1	TRACE2	101807-1
7440-36-0	Antimony	3	ug/L	U	P	3	1	TRACE2	101807-1
7440-38-2	Arsenic	1.5	ug/L	U	M	S 1.5	1	ICPMS5	071014-3
7440-39-3	Barium	18.2	ug/L	В	P	1	1	TRACE2	101807-1
7440-41-7	Beryllium	1	ug/L	U	P	1	1	TRACE2	101807-1
7440-43-9	Cadmium	1	ug/L	U	P	1	1	TRACE2	101807-1
7440-70-2	Calcium	14300	ug/L		P	30	1	TRACE2	101807-1
7440-47-3	Chromium	2.2	ug/L	В	P	1	1	TRACE2	101807-1
7440-48-4	Cobalt	1	ug/L	U	P	1	1	TRACE2	101807-1
7440-50-8	Copper	56.3	ug/L		P	3	1	TRACE2	101807-1
7439-89-6	Iron	114	ug/L		P	25	1	TRACE2	101807-1
7439-92-1	Lead	0.540	ug/L	В	M	S 0.5	1	ICPMS5	071014-3
7439-95-4	Magnesium	4750	ug/L	В	P	85	1	TRACE2	101807-1
7439-96-5	Manganese	3.9	ug/L	В	P	2	1	TRACE2	101807-1
7439-97-6	Mercury	0.030	ug/L	U	AV	0.03	1	MER536	102407W1-2
7440-02-0	Nickel	12.4	ug/L	В	P	1	1	TRACE2	101807-1
7440-09-7	Potassium	5800	ug/L		P	50	1	TRACE2	101807-1
7782-49-2	Selenium	1	ug/L	U	MS	S 1	1	ICPMS5	071014-3
7440-22-4	Silver	1.1	ug/L	В	P	1	1	TRACE2	101807-1
7440-23-5	Sodium	45900	ug/L		P	45	1	TRACE2	101807-1
7440-28-0	Thallium	0.30	ug/L	U	MS	0.3	1	ICPMS5	071014-3
7440-31-5	Tin	2.5	ug/L	U	P	2.5	1	TRACE2	101807-1
7440-62-2	Vanadium	9.2	ug/L	В	P	1	1	TRACE2	101807-1
7440-66-6	Zinc	37.5	ug/L		P	2	1	TRACE2	101807-1

Outfall 001 Sampled 10/5/07 24 hour composite

SDG No: 195305

METHOD TYPE: SW846

SAMPLE ID: 195305001

CLIENT ID: 24857-001

CONTRACT: BRKL00504

MATRIX:W

DATE RECEIVED 09-OCT-07

LEVEL: Low %SOLIDS:

CAS No	Analyte	Result	<u>Units</u>	<u>C</u>	Qual	M	MDL	<u>DF</u>	Instrument ID	Analytical Run
7429-90-5	Aluminum	68	ug/L	U		P	68	1	TRACE2	101907-1
7440-36-0	Antimony	3	ug/L	U		P	3	1	TRACE2	101907-1
7440-38-2	Arsenic	1.5	ug/L	U		MS	1.5	1	ICPMS5	071014-3
7440-39-3	Barium	16.3	ug/L	В		P	1	1	TRACE2	101907-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	TRACE2	101907-1
7440-43-9	Cadmium	1	ug/L	U		P	1	1	TRACE2	101907-1
7440-70-2	Calcium	11500	ug/L			P	30	1	TRACE2	101907-1
7440-47-3	Chromium	1.5	ug/L	В		P	1	1	TRACE2	101907-1
7440-48-4	Cobalt	1	ug/L	U		P	1	1	TRACE2	101907-1
7440-50-8	Copper	46.7	ug/L			P	3	1	TRACE2	101907-1
7439-89-6	Iron	131	ug/L			P	25	1	TRACE2	101907-1
7439-92-1	Lead	0.520	ug/L	В		MS	0.5	1	ICPMS5	071014-3
7439-95-4	Magnesium	3660	ug/L	В		P	85	1	TRACE2	101907-1
7439-96-5	Manganese	2.9	ug/L	В		P	2	1	TRACE2	101907-1
7439-97-6	Mercury	0.030	ug/L	U		AV	0.03	1	MER536	102407W1-2
7440-02-0	Nickel	11.2	ug/L	В		P	1	1	TRACE2	101907-1
7440-09-7	Potassium	4900	ug/L	В		P	50	1	TRACE2	101907-1
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS5	071014-3
7440-22-4	Silver	1.7	ug/L	В		P	1	1	TRACE2	101907-1
7440-23-5	Sodium	33500	ug/L			P	45	1	TRACE2	101907-1
7440-28-0	Thallium	0.380	ug/L	В		MS	0.3	1	ICPMS5	071014-3
7440-31-5	Tin	2.5	ug/L	U		P	2.5	1	TRACE2	101907-1
7440-62-2	Vanadium	6.9	ug/L	В		P	1	1	TRACE2	101907-1
7440-66-6	Zinc	40.9	·ug/L			P	2	1	TRACE2	101907-1

Outfall 001 Sampled 10/8/07 24 hour composite

SDG No: 195226 METHOD TYPE: SW846

SAMPLE ID: 195226003 **CLIENT ID:** 24853–003

CONTRACT: BRKL00504

MATRIX:W DATE RECEIVED 06-OCT-07 LEVEL: Low %SOLIDS:

CAS No	<u>Analyte</u>	Result	<u>Units</u>	<u>C</u>	Qual M	MDL	<u>DF</u>	Instrument ID	Analytical Run
7429-90-5	Aluminum	195	ug/L	В	P	68	1	TRACE2	101807-1
7440-36-0	Antimony	3.1	ug/L	В	P	3	1	TRACE2	101807-1
7440-38-2	Arsenic	1.5	ug/L	U	MS	1.5	1	ICPMS5	071014-3
7440-39-3	Barium	59.1	ug/L	В	P	1	1	TRACE2	101807-1
7440-41-7	Beryllium	1	ug/L	U	P	1	1	TRACE2	101807-1
7440-43-9	Cadmium	1	ug/L	U	P	1	1	TRACE2	101807-1
7440-70-2	Calcium	11900	ug/L		P	30	1	TRACE2	101807-1
7440-47-3	Chromium	2.4	ug/L	В	P	1	1	TRACE2	101807-1
7440-48-4	Cobalt	1.2	ug/L	В	P	1	1	TRACE2	101807-1
7440-50-8	Copper	212	ug/L		P	3	1	TRACE2	101807-1
7439-89-6	Iron	1290	ug/L		P	25	1	TRACE2	101807-1
7439-92-1	Lead	18.9	ug/L		MS	0.5	1	ICPMS5	071014-3
7439-95-4	Magnesium	4170	ug/L	В	P	85	1	TRACE2	101807-1
7439-96-5	Manganese	57.8	ug/L		P	2	1	TRACE2	101807-1
7439-97-6	Mercury	0.230	ug/L		AV	0.03	1	MER536	102407W1-2
7440-02-0	Nickel	7.9	ug/L	В	P	1	1	TRACE2	101807-1
7440-09-7	Potassium	6570	ug/L		P	50	1	TRACE2	101807-1
7782-49-2	Selenium	1	ug/L	U	MS	1	1	ICPMS5	071014-3
7440-22-4	Silver	1.3	ug/L	В	P	1	1	TRACE2	101807-1
7440-23-5	Sodium	38100	ug/L		P	45	1	TRACE2	101807-1
7440-28-0	Thallium	0.30	ug/L	U	MS	0.3	1	ICPMS5	071014-3
7440-31-5	Tin	9.1	ug/L	В	P	2.5	1	TRACE2	101807-1
7440-62-2	Vanadium	5.5	ug/L	В	P	1	1	TRACE2	101807-1
7440-66-6	Zinc	121	ug/L		P	2	1	TRACE2	101807-1

Sampled 10/5/07 24 hour composite

SDG No: 195305

METHOD TYPE: SW846

SAMPLE ID: 195305003

CLIENT ID: 24857-003

CONTRACT: BRKL00504

MATRIX:W

DATE RECEIVED 09-OCT-07

LEVEL: Low %SOLIDS:

CAS No	Analyte	Result	<u>Units</u>	<u>C</u>	Qual	<u>M</u>	MDL	DF	Instrument ID	Analytical Run
7429-90-5	Aluminum	93.2	ug/L	В		P	68	1	TRACE2	101907-1
7440-36-0	Antimony	3	ug/L	U		P	3	1	TRACE2	101907-1
7440-38-2	Arsenic	2.5	ug/L	В		MS	1.5	1	ICPMS5	071014-3
7440-39-3	Barium	48.1	ug/L	В		P	1	1	TRACE2	101907-1
7440-41-7	Beryllium	1	ug/L	U		P	1	1	TRACE2	101907-1
7440-43-9	Cadmium	1	ug/L	U		P	1	1	TRACE2	101907-1
7440-70-2	Calcium	12300	ug/L			P	30	1	TRACE2	101907-1
7440-47-3	Chromium	2.2	ug/L	В		P	1	1	TRACE2	101907-1
7440-48-4	Cobalt	1	ug/L	U		P	1	1	TRACE2	101907-1
7440-50-8	Copper	124	ug/L			P	3	1	TRACE2	101907-1
7439-89-6	Iron	965	ug/L			P	25	1	TRACE2	101907-1
7439-92-1	Lead	10.6	ug/L			MS	0.5	1	ICPMS5	071014-3
7439-95-4	Magnesium	4320	ug/L	В		P	85	1	TRACE2	101907-1
7439-96-5	Manganese	36.7	ug/L			P	2	1	TRACE2	101907-1
7439-97-6	Mercury	0.080	ug/L	В		AV	0.03	1	MER536	102407W1-2
7440-02-0	Nickel	9.3	ug/L	В		P	1	1	TRACE2	101907-1
7440-09-7	Potassium	3800	ug/L	В		P	50	1	TRACE2	101907-1
7782-49-2	Selenium	1	ug/L	U		MS	1	1	ICPMS5	071014-3
7440-22-4	Silver	1	ug/L	U		P	1	1	TRACE2	101907-1
7440-23-5	Sodium	37900	ug/L			P	45	1	TRACE2	101907-1
7440-28-0	Thallium	0.30	ug/L	U		MS	0.3	1	ICPMS5	071014-3
7440-31-5	Tin	5.3	ug/L	В		P	2.5	1	TRACE2	101907-1
7440-62-2	Vanadium	3.2	ug/L	В		P	1	1	TRACE2	101907-1
7440-66-6	Zinc	66.9	ug/L			P	2	1	TRACE2	101907-1

STP Influent Sampled 10/8/07 24 hour composite

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

Client Sample ID:

Sample ID:

24853-001

195226001

Matrix: Collect Date: Water

05-OCT-07 09:50 06-OCT-07 09:30

Receive Date: Collector:

Project: BRKL0056 Client ID: BRKL005 BRKL00504

Report Date: October 25, 2007

COC: 24853 Samp Recv.:

Client Desc.: STP Effluent

,	concetor.	Chent								
Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Nutrient Analysis Federal										
EPA 365.4 Phosphorus, To Phosphorus, Total as P Solids Analysis Federal	otal in	1.52	0.024	0.050	mg/L	1	AXH3 10/09/0	7 1321	690394	4 1
EPA 160.2 Total Suspende Total Suspended Solids	ed Liq U	0.211	0.600	2.63	mg/L		NXM 10/08/0	7 1208	690448	3 2

The following Duen Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch	
EPA 365.4 Prep	EPA 365.4 Phosphorus, Total in liquid-Fe	SXK1	10/08/07	1024	690392	

The following Analytical Methods were performed

Method	Description	Analyst Comments	
1	EPA 365.4		
2	EPA 160.2		

Outfall OOI Sampled 10/5/07 24 hour composite

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

Client Sample ID:

Sample ID:

Matrix:

Collect Date: Receive Date: 195305001 Water

24857-001

08-OCT-07 10:40 09-OCT-07 13:30

Report Date: October 25, 2007

Project: Client ID:

BRKL00504 BRKL005 24857

COC: Samp Recv.:

Client Desc.: STP Effluent

2007-007-0	Collector:	Client								
Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Nutrient Analysis Fed	deral									
EPA 365.4 Phosphor	rus, Total in									
Phosphorus, Total as	P	1.53	0.024	0.050	mg/L	1	AXH3 10/11/0	7 0931	691367	7 1
Solids Analysis Feder	al									
EPA 160.2 Total Sus Total Suspended Sol	4	-0.104	0.594	2.60	mg/L		NXM 10/10/0	7 1050	691470) 2
1	O				-		1			

The following Prep Methods were performed

Method	Description	Analyst	Date	Time	Prep Batch
EPA 365.4 Prep	EPA 365.4 Phosphorus, Total in liquid-Fe	SXK1	10/10/07	1118	691366

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 365.4	
2	EPA 160.2	

Outfall 001 Sampled 10/8/07 24 hour composite

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

Client Sample ID: Sample ID: Matrix:

24853-002 195226002

Water

05-OCT-07 13:45 06-OCT-07 09:30

Collect Date: Receive Date: Collector:

Client

Project: Client ID:

BRKL00504 BRKL005

Report Date: October 25, 2007

COC: Samp Recv.: 24853

Client Desc.: STP Effluent

Parameter Qualifier Result RL Units DF Time Batch Method DL AnalystDate Flow Injection Analysis Federal

SW9012A Cyanide, Total Federal

Cyanide, Total

-1.08

1.50

5.00

ug/L

1 KLP1 10/09/07 1602 690435

The following Prep Methods were performed

Analyst Date Time **Prep Batch** Method Description AXS5 10/09/07 1132 690434 SW846 9010B Prep SW846 9010B Prep

The following Analytical Methods were performed

Analyst Comments Method Description

SW846 9012A

Outfall 001 Sampled 10/5/07 Grab

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

Client Sample ID:

Sample ID:

195305002

Matrix:

Water

24857-002

Collect Date:

08-OCT-07 14:00 09-OCT-07 13:30

Receive Date: Collector:

Client

Project: Client ID:

BRKL00504 BRKL005

AnalystDate

Report Date: October 25, 2007

24857

COC: Samp Recv.:

DF

Client Desc.: STP Effluent

Parameter **Oualifier** Flow Injection Analysis Federal

SW9012A Cyanide, Total Federal

Cyanide, Total

1

0.621

Result

1.50 5.00

RL

ug/L

Analyst Comments

Units

1 KLP1 10/12/07 1217 691524 1

Time Batch Method

The following Prep Methods were performed

Prep Batch Description Analyst Date Time Method SW846 9010B Prep SW846 9010B Prep AXS5 10/11/07 1216 691523

DL

The following Analytical Methods were performed

Method Description

SW846 9012A

Outfall 001 Sampled 10/8/07 Grab

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

Client Sample ID:

Sample ID:

195226003

Matrix: Collect Date: Receive Date:

Water 05-OCT-07 10:30

24853-003

Collector: Qualifier 06-OCT-07 09:30 Client

Project: Client ID:

BRKL00504 BRKL005

COC: Samp Recv.: 24853

Client Desc.: STP Influent

AnalystDate Units DF Time Batch Method

Report Date: October 25, 2007

Solids Analysis Federal

EPA 160.2 Total Suspended Liq

Total Suspended Solids

106

Result

6.71

DL

29.4

STP Influent
Sampled 10/5/07
24 hour composite

RL

mg/L

NXM 10/08/07 1208 690448

The following Analytical Methods were performed

Method

1

Parameter

Description

Analyst Comments

EPA 160.2

Page 161 of 188

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

Client Sample ID:

Sample ID:

Matrix: Collect Date: Water 08-OCT-07 11:00

Receive Date: Collector:

09-OCT-07 13:30

24857-003

195305003

Client

Project:

BRKL00504 BRKL005

Report Date: October 25, 2007

Client ID:

COC: Samp Recv.:

Client Desc.: STP Influent

Parameter Qualifier Result DF Time Batch Method DL RL Units AnalystDate

Solids Analysis Federal

EPA 160.2 Total Suspended Liq

Total Suspended Solids

30.3

3.26

14.3

NXM 10/10/07 1050 691470 1

The following Analytical Methods were performed

Method

1

Description EPA 160.2

Analyst Comments

mg/L

Sampled 10/8/07 24 hour composite

ATTACHMENT III

BROOKHAVEN NATIONAL LABORATORY

SPDES PERMIT NO. NY0005835

DISCHARGE MONITORING REPORT FOR OCTOBER 2007

ANALYTICAL RESULTS FROM

GENERAL ENGINEERING LABORATORIES, LLC

FOR REGULATORY COMPLIANCE SAMPLES COLLECTED FROM

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

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

Client Sample ID:

Sample ID:

24838-003 194944003

Matrix: Collect Date: Water

Receive Date:

02-OCT-07 14:00 03-OCT-07 09:30

Collector:

Client

Project: Client ID:

BRKL00504 BRKL005

Report Date: October 23, 2007

COC: 24838 Samp Recv.:

Client Desc.: HN

Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time Batch Method
Oil & Grease Analys	sis Federal							

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

Oil and Grease

U

1.12

1.43

5.10

mg/L

JXT1 10/22/07 0631 694713 1

The following Analytical Methods were performed

Method

1

Description EPA 1664A **Analyst Comments**

Outfall 002 (HN) Sampled 10/2/07

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

Client Sample ID:

Sample ID:

24838-005 194944005

Matrix:

Water

Collect Date: Receive Date: 02-OCT-07 14:30 03-OCT-07 09:30

Collector:

0.795

Client

Project:

BRKL00504

Report Date: October 23, 2007

JXT1 10/22/07 0747 694713 1

Client ID:

BRKL005

COC: 24838 Samp Recv.:

Client Desc.: HS

		Circii								
Parameter	Qualifier	Result	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Oil & Grease Analy	sis Federal									
EPA 1664A n-Hex	ane Extractable Materi	al (Oil and G								

1.59

The following Analytical Methods were performed Method

Description

U

Analyst Comments

mg/L

1 EPA 1664A

Oil and Grease

Outfall 005 (HS) Sampled 10/2/07

5.68

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

Certificate of Analysis

Brookhaven National Laboratory

Address:

Building 51

Upton, New York 11973--5000

Contact:

Mr. John Burke

Project:

ES SPDES--Summary

Client Sample ID: 24838-001

Sample ID:

194944001 Water

Matrix: Collect Date:

02-OCT-07 14:15

Receive Date: Collector:

03-OCT-07 09:30 Client

Project:

BRKL00504 BRKL005

Report Date: October 23, 2007

Client ID:

24838

COC: Samp Recv.:

Client Desc.: HT-W

Parameter Qualifier Result RL Units DF DL AnalystDate Time Batch Method

Oil & Grease Analysis Federal

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

Oil and Grease

U

1.15

1.34

4.79

mg/L

JXT1 10/22/07 0631 694713 1

The following Analytical Methods were performed

Analyst Comments Method Description

EPA 1664A

Ontfall 006 A (HT-W) Sampled 10/2/07

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

Client Sample ID: Sample ID:

24838-002 194944002

Matrix: Collect Date:

Water 02-OCT-07 14:10

03-OCT-07 09:30

Receive Date: Collector:

Client

Project:

BRKL00504

Report Date: October 23, 2007

Client ID:

BRKL005 24838

COC: Samp Recv.:

Client Desc.: HT-E

Parameter Qualifier Result AnalystDate DL RL Units DF Time Batch Method

Oil & Grease Analysis Federal

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

Oil and Grease

U

1.41

5.05 mg/L

Analyst Comments

JXT1 10/22/07 0631 694713 1

The following Analytical Methods were performed

Method Description

EPA 1664A

Outfall 006B (HT-E) Sampled 10/2/07

Prep Date:

Data File:

Page 1

of 1

Volatile Certificate of Analysis Sample Summary

 SDG Number:
 196228

 Lab Sample ID:
 196228001

 Client Sample:
 HW

 Client ID:
 24885-001

 Batch ID:
 696665

 Run Date:
 10/26/2007 16:39

10/26/2007 16:39

5h516.d

Date Collected:
Date Received:
Client:
Method:
Inst:
Analyst:

10/23/2007 10:00 BRKL005 EPA 624 VOA5.I DXK1

10/19/2007 16:10

Project: SOP Ref: Dilution: Purge Vol:

Matrix:

BRKL00504 GL-OA-E-026 1

5 mL

WATER

Column: DB-624 Level: LOW

CAS No.	Parmname	Qualifier	Result	Units	MDL/LOD	PQL/LOQ	RDL
74-87-3	Chloromethane	U	1.00	ug/L	0.500	1.00	10.0
75-01-4	Vinyl chloride	U	1.00	ug/L	0.500	1.00	10.0
74-83-9	Bromomethane	U	1.00	ug/L	0.500	1.00	10.0
75-00-3	Chloroethane	U	1.00	ug/L	0.500	1.00	10.0
75-69-4	Trichlorofluoromethane	U	1.00	ug/L	0.310	1.00	5.00
75-05-8	Acetonitrile	U	25.0	ug/L	6.25	25.0	
75-35-4	1,1-Dichloroethylene	U	1.00	ug/L	0.300	1.00	5.00
75-09-2	Methylene chloride	U	2.00	ug/L	2.00	2.00	5.00
1634-04-4	tert-Butyl methyl ether	U	5.00	ug/L	0.250	5.00	10.0
156-60-5	trans-1,2-Dichloroethylene	U	1.00	ug/L	0.300	1.00	5.00
75-34-3	1,1-Dichloroethane	U	1.00	ug/L	0.300	1.00	5.00
67-66-3	Chloroform	U	1.00	ug/L	0.250	1.00	5.00
71-55-6	1,1,1-Trichloroethane	U	1.00	ug/L	0.300	1.00	5.00
56-23-5	Carbon tetrachloride	U	1.00	ug/L	0.250	1.00	5.00
107-06-2	1,2-Dichloroethane	U	1.00	ug/L	0.250	1.00	5.00
71-43-2	Benzene	U	1.00	ug/L	0.300	1.00	5.00
79-01-6	Trichloroethylene	U	1.00	ug/L	0.250	1.00	5.00
78-87-5	1,2-Dichloropropane	U	1.00	ug/L	0.250	1.00	5.00
75-27-4	Bromodichloromethane	U	1.00	ug/L	0.250	1.00	5.00
110-75-8	2-Chloroethylvinyl ether	U	5.00	ug/L	1.50	5.00	10.0
10061-01-5	cis-1,3-Dichloropropylene	U	1.00	ug/L	0.250	1.00	5.00
108-88-3	Toluene	U	1.00	ug/L	0.250	1.00	5.00
10061-02-6	trans-1,3-Dichloropropylene	U	1.00	ug/L	0.250	1.00	5.00
79-00-5	1,1,2-Trichloroethane	U	1.00	ug/L	0.250	1.00	5.00
127-18-4	Tetrachloroethylene	U	1.00	ug/L	0.250	1.00	5.00
124-48-1	Dibromochloromethane	U	1.00	ug/L	0.250	1.00	5.00
108-90-7	Chlorobenzene	U	1.00	ug/L	0.250	1.00	5.00
100-41-4	Ethylbenzene	U	1.00	ug/L	0.250	1.00	5.00
75-25-2	Bromoform	U	1.00	ug/L	0.250	1.00	5.00
79-34-5	1,1,2,2-Tetrachloroethane	U	1.00	ug/L	0.250	1.00	5.00
541-73-1	1,3-Dichlorobenzene	U	1.00	ug/L	0.250	1.00	5.00
106-46-7	1,4-Dichlorobenzene	U	1.00	ug/L	0.250	1.00	5.00
95-50-1	1,2-Dichlorobenzene	U	1.00	ug/L	0.250	1.00	5.00
				15.0			

Outfall 008 (HW) Sampled 10/19/07

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: October 27, 2007

Contact:

Mr. John Burke

Project:

ES SPDES--Summary

Client Sample ID: Sample ID:

24885-001 196228001

Water

Client

19-OCT-07 16:10

Collect Date: Receive Date: Collector:

Matrix:

23-OCT-07 10:00

Project: Client ID: COC: Samp Recv.:

BRKL00504 BRKL005

AnalystDate

24885

DL

1.59

Client Desc.: HW

Parameter Qualifier Oil & Grease Analysis Federal

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

Result

5.68

RL

mg/L

Analyst Comments

Units

JXT1 10/24/07 1116 695615 1

Time Batch Method

The following Analytical Methods were performed

Method Description

EPA 1664A

Outfall 008 (Hw) Sampled 10/19/07