

BROOKHAVEN
NATIONAL LABORATORY

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

April 17, 2003

Mr. Scott Mallette
Director, Operations Management Division
U. S. Department of Energy
Brookhaven Group
Upton, NY 11973

Dear Mr. Mallette:

SUBJECT: NPDES - Discharge Monitoring Report (DMR) for March 2003

Included as Attachment I, please find the DMR for the month of March 2003. Chemical analyses for the reported parameters are conducted by a NYS Department of Health certified contractor laboratory. Copies of the analytical reports are contained in Attachments II and III. Field measured parameters (pH, settleable solids, flow) are recorded and/or measured by the Plant Engineering Division, Sewage Treatment Plant Operators or the Environmental Services Division, Field Sampling Team.

With the exception of one excursion for the total iron concentration at Outfall 001, review of the analytical data shows that all parameters met their respective SPDES effluent limitations this reporting period. With regard to iron, the sample collected on March 3, 2003, exhibited an iron concentration of 0.39 mg/L. This value exceeds the SPDES permit limit of 0.37 mg/L. The total iron concentration of the samples collected on March 5 and March 7, 2003 were within the permit limit. There are no long-term corrective actions for this excursion. The concentration and duration of this excursion does not indicate a continual non-complying discharge.

Collection and analysis of the SPDES permit samples are performed in accordance with the guidelines of the BNL Quality Assurance program. These guidelines include the routine calibration of instruments, standard operating procedures for collection and analysis of samples, use of standard methods of analysis, and validation of the contractor analytical data by the BNL analytical services laboratory. Brookhaven National Laboratory personnel collected all samples. A Quality Assurance inspection is performed periodically on contractor laboratories. The Quality Assurance documentation is available from the Environmental Services Division and Plant Engineering Divisions. Based on this information, we believe the values reported on the DMR are representative of the effluent from the BNL during the month of March 2003.

Although it is no longer necessary for BNL to include copies of the laboratory analysis when



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is accredited by the American
National Standards Institute
Registration Accreditation Board

April 17, 2003

submitting the DMR, we are including them in the package submitted to you for record-keeping purposes. You do not have to forward the analytical reports to the NYSDEC-Region 1 or SCDHS when submitting the DMR.

Please sign each page of the computer generated DMR where indicated and transmit it to the New York State Department of Environmental Conservation and the Suffolk County Department of Health Services no later than April 28, 2003. If there are any questions regarding the information contained on the DMR or the analytical data packages, please do not hesitate to contact R. Lee at extension 3148 or M. Allocco at extension 3166.

Sincerely,



George A. Goode
Environmental & Waste Management Services
Division Manager

GAG/MA:car

- Attachment I: Discharge Monitoring Report for March 2003.
- Attachment II: Non-Compliance Report for March SPDES Excursion at Outfall 001.
- Attachment III: Analytical Results from H2M Labs for samples collected on 3/3/03, 3/5/03, and 3/7/03 from Outfall 001.
- Attachment IV: Analytical Results from H2M Labs for samples collected from Outfalls 002, 002B, 005, 006A, 006B, 008, and 010.
- Attachment V: Analytical Results from CHEMTEX, Inc. for samples collected from Outfalls 001F, 002, 002B, 005, 006A, and 006B.

cc:	M. Allocco	w/attachments	M. Baldwin	w/attachments
	M. Bebon	w/o attachments	W. Chaloupka	w/attachments
	S. Dierker	w/o attachments	G. Goode	w/o Attachments
	G. Granzen	w/o attachments	J. Higbie	w/attachments
	C. Johnson	w/o attachments	R. Lee	w/attachments
	E. Lessard	w/o attachments	D. Lowenstein	w/o attachments
	E. Murphy	w/attachments	A. Queirolo	w/o attachments
	V. Radeka	w/o attachments	B. Style	w/o attachments
	J. Tarpinian	w/o attachments	D. Van Duyne	w/attachments

EC62ER.03

Brookhaven National Laboratory
SPDES Permit No. NY0005835
Discharge Monitoring Report for March 2003
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. The reported concentration was estimated because of the presence of interference.
3. The analyte was positively identified; the associated numerical value is the approximate concentration of the analyte in the sample.
4. Flow is estimated based upon an instantaneous flow measurement and the assumption that flow continued for the entire day (i.e., 1,440 minutes).
5. The reported average flows were calculated based on the height of water and type and size of the flume due to the repair and calibration of the flow monitoring equipment at the station.
6. PCBs were not detected at a method detection limit of 0.065 ppb per congener. Total PCBs have been reported as less than the individual detection limit.
7. Two individual photographic processors generate photographic rinse waters discharged from Building 197B. Wastewater samples are collected from each processor and analyzed separately. Table I summarizes the individual results. The maximum concentrations and total average flow have been reported in the DMR.

Location	Flow	pH	Total Nitrogen	Cyanide	Silver	Phenolics
1-87 ^(a)	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown	Shutdown
1-93B	32.4 GPD	7.35 SU	10.7 mg/L	< 10.0 µg/L	75.9 µg/L	< 5.0 µg/L
Total Flow	32.4 GPD					

^(a)The photographic processor in Bldg. 197, Room 1-87 was shutdown during the first quarter of 2003 and is scheduled for dismantling.

8. The total iron concentration at Outfall 001 was 0.39 mg/L on 3/3/2003, which exceeded the permit limit of 0.37 mg/L. Please see Attachment II for an explanation of this excursion.

ATTACHMENT I
BROOKHAVEN NATIONAL LABORATORY
SPDES PERMIT NO. NY0005835
DISCHARGE MONITORING REPORT FOR MARCH 2003
FOR OUTFALLS NO. 001 – 010

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
 NAME U S D O E
 ADDRESS BROOKHAVEN NATIONAL LABORATORY
 BROOKHAVEN AREA OFFICE
 UPTON NY 11973
 FACILITY BROOKHAVEN NATIONAL LABORATORY
 LOCATION UPTON NY 11973
 ATTN: GEORGE MALOSH, GROUP MGR

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
 DISCHARGE MONITORING REPORT (DMR)
 MAJOR
 NY0005835 Permit Number
 001 A Discharge Number
 (SUBR 01)
 F - FINAL
 ACID/CAUSTIC CLEANING RINSE 535B
 *** No Discharge ***

Note: Read Instructions before completing this form

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
00056 1 0 1 EFFLUENT GROSS VALUE PH	106	*****	(07)	*****	*****	*****	0	01/90	RC
00400 1 0 0 EFFLUENT GROSS VALUE BIS (2-ETHYLHEXYL) See Note 3	REPORT DAILY AV	*****	GPD	*****	*****	*****	0	QTRLY	RCORDR
39100 1 0 0 EFFLUENT GROSS VALUE DI-N-BUTYL PHTHALATE	*****	*****	*****	6.7	*****	6.7 (12)	0	01/90	GR
39110 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	REPORT MINIMUM	*****	REPORT MAXIMUM SU (28)	0	QTRLY	GRAB
	*****	*****	*****	*****	*****	2 (28)	0	01/90	GR
	*****	*****	*****	*****	*****	REPORT DAILY MIX UG/L (28)	0	QTRLY	GRAB
	*****	*****	*****	*****	*****	< 10 (28)	0	01/90	GR
	*****	*****	*****	*****	*****	REPORT DAILY MIX UG/L	0	QTRLY	GRAB

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

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Mr. Michael Holland
 Area Group Manager

Telephone
 631-344-3424

Signature of Principal Executive Officer or Authorized Agent
 Date Signed

Comments and Explanation of any violations (Reference all attachments here)
 NO CHANGES OR ADDITIONS OF CHEMICALS TO COOLING OR BOILER WATER W/O PRIOR NYSDEC APPROVAL. SAMPLES TO BE COLLECTED FROM A DEDICATED DRAIN OR HOLDING TANKS PRIOR TO DISCH TO SEWER COLLECTION SYSTEM. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS AND REQUIREMENTS

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
 NAME U S D O E
 ADDRESS BROOKHAVEN NATIONAL LABORATORY
 BROOKHAVEN AREA OFFICE
 UPTON NY 11973
 FACILITY BROOKHAVEN NATIONAL LABORATORY
 LOCATION UPTON NY 11973
 ATTN: GEORGE MALOSH, GROUP MGR

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

MAJOR (SUBR 01)
 F - FINAL
 Discharge Number

NY0005835
 Permit Number

Monitoring Period		From		To	
YR	MO	DAY	YR	MO	DAY
02	10	01	02	12	31

RINSE FROM CENTRL DEGREASR 498
 *** No Discharge ***

Note: Read Instructions before completing this form

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	UNITS			
FLOW RATE	180	*****	(07)	*****	*****	*****	0	01/90	RC
00056 1 0 1 EFFLUENT GROSS VALUE	REPORT DAILY AV	*****	GPD	*****	*****	*****	0	QTRLY	RCORDR
PH	*****	*****	*****	8.2	8.2	(12)	0	02/90	GR
00400 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	REPORT MINIMUM	REPORT MAXIMUM	SU	0	QTRLY	GRAB
CHROMIUM, TOTAL (AS CR) See Note 1	*****	*****	*****	*****	4.8	(28)	0	01/90	GR
01034 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	REPORT DAILY MX	UG/L	0	QTRLY	GRAB
COPPER, TOTAL (AS CU) See Note 1	*****	*****	*****	*****	12.7	(28)	0	01/90	GR
01042 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	REPORT DAILY MX	UG/L	0	QTRLY	GRAB
IRON, TOTAL (AS FE)	*****	*****	*****	*****	142	(28)	0	01/90	GR
01045 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	REPORT DAILY MX	UG/L	0	QTRLY	GRAB
MANGANESE, TOTAL (AS MN) See Note 1	*****	*****	*****	*****	2.9	(28)	0	01/90	GR
01055 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	REPORT DAILY MX	UG/L	0	QTRLY	GRAB
NICKEL, TOTAL (AS NI) See Note 1	*****	*****	*****	*****	3.2	(28)	0	01/90	GR
01067 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	REPORT DAILY MX	UG/L	0	QTRLY	GRAB

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

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Mr. Michael Holland
 Area Group Manager

Signature of Principal Executive Officer or Authorized Agent

Telephone
 631-344-3424

Date Signed

Typed or Printed

Comments and Explanation of any violations (Reference all attachments here)
 NO CHANGES OR ADDITIONS OF CHEMICALS TO COOLING OR BOILER WATER W/O PRIOR NYSDEC APPROVAL. SAMPLES TO BE COLLECTED FROM A DEDICATED DRAIN OR HOLDING TANKS PRIOR TO DISCH TO SEWER COLLECTION SYSTEM. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS AND REQUIREMENTS

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

NAME U S O E
 ADDRESS BROOKHAVEN NATIONAL LABORATORY
 BROOKHAVEN AREA OFFICE NY 11973
 FACILITY BROOKHAVEN NATIONAL LABORATORY
 LOCATION UPTON NY 11973
 ATTN: GEORGE MALOSH, GROUP MGR

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

MAJOR (SUBR 01)
 F - FINAL
 RINSE FROM CENTRL DEGREASR 498

001 B Discharge Number

Monitoring Period		From		To	
YR	MO	DAY	YR	MO	DAY
02	10	01	02	12	31

*** No Discharge ****

Note: Read Instructions before completing this form

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE				MAXIMUM	UNITS
ZINC, TOTAL (AS ZN)	*****	*****		*****	*****	0	01/90	GR
01092 1 0 0 EFFLUENT GROSS VALUE	*****	*****	***	*****	*****		QTRLY	GRAB
1,2-DICHLOROETHANE	*****	*****		*****	*****	0	01/90	GR
32103 1 0 0 EFFLUENT GROSS VALUE	*****	*****	***	*****	*****		QTRLY	GRAB
CHLOROFORM	*****	*****		*****	*****	0	01/90	GR
32106 1 0 0 EFFLUENT GROSS VALUE	*****	*****	***	*****	*****		QTRLY	GRAB
1,1,1-TRICHLOROETHANE	*****	*****		*****	*****	0	01/90	GR
34506 1 0 0 EFFLUENT GROSS VALUE	*****	*****	***	*****	*****		QTRLY	GRAB
BROMODICHLOROMETHANE	*****	*****		*****	*****	0	01/90	GR
38693 1 0 0 EFFLUENT GROSS VALUE	*****	*****	***	*****	*****		QTRLY	GRAB
BIS (2-ETHYLHEXYL) PHTHALATE	*****	*****		*****	*****	0	01/90	GR
39100 1 0 0 EFFLUENT GROSS VALUE	*****	*****	***	*****	*****		QTRLY	GRAB
DI-N-BUTYL PHTHALATE	*****	*****		*****	*****	0	01/90	GR
39110 1 0 0 EFFLUENT GROSS VALUE	*****	*****	***	*****	*****		QTRLY	GRAB

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

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Mr. Michael Holland
 Area Group Manager

Signature of Principal Executive Officer or Authorized Agent

Telephone
 631-344-3424

Date Signed

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

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

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
 NAME U S D O E
 ADDRESS BROOKHAVEN NATIONAL LABORATORY
 BROOKHAVEN AREA OFFICE
 UPTON NY 11973
 FACILITY BROOKHAVEN NATIONAL LABORATORY
 LOCATION UPTON NY 11973
 ATTN: GEORGE MALOSH, GROUP MGR

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

MAJOR (SUBR 01)
 F - FINAL
 RINSE FROM CENTRL DEGREASR 498
 *** No Discharge ****

001 B Discharge Number
 NY0005835 Permit Number

Monitoring Period
 From To
 YR MO DAY YR MO DAY
 02 10 01 02 12 31

Note: Read Instructions before completing this form

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	UNITS			
TETRACHLOROETHYLENE	MEASUREMENT	*****	*****	*****	< 1	(28)	0	01/90	GR
85814 1 0 0	PERMIT REQUIREMENT	*****	****	*****	REPORT DAILY MX	UG/L		QTRLY	GRAB
EFFLUENT GROSS VALUE	SAMPLE MEASUREMENT	*****	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	*****	*****				
	SAMPLE MEASUREMENT	*****	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	*****	*****				
	SAMPLE MEASUREMENT	*****	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	*****	*****				
	SAMPLE MEASUREMENT	*****	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	*****	*****				
	SAMPLE MEASUREMENT	*****	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	*****	*****				
	SAMPLE MEASUREMENT	*****	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	*****	*****				
	SAMPLE MEASUREMENT	*****	*****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	*****	*****				

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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Mr. Michael Holland
 Area Group Manager

Signature of Principal Executive Officer or Authorized Agent

Telephone
 631-344-3424

Date Signed

Comments and Explanation of any violations (Reference all attachments here)
 NO CHANGES OR ADDITIONS OF CHEMICALS TO COOLING OR BOILER WATER W/O PRIOR NYSDEC APPROVAL. SAMPLES TO BE COLLECTED FROM A DEDICATED DRAIN OR HOLDING TANKS PRIOR TO DISCH TO SEWER COLLECTION SYSTEM. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS AND REQUIREMENTS

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

NAME U S D O E
 ADDRESS BROOKHAVEN NATIONAL LABORATORY
 BROOKHAVEN AREA OFFICE NY 11973
 UPTON
 FACILITY BROOKHAVEN NATIONAL LABORATORY
 LOCATION UPTON NY 11973
 ATTN: GEORGE MALOSH, GROUP MGR

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

MAJOR (SUBR 01)
 F - FINAL
 PHOTOPROCESSING RINSE FROM 197B
 *** No Discharge ***

Permit Number NY0005835 Discharge Number 001 D

Monitoring Period From To

YR	MO	DAY	YR	MO	DAY
02	10	01	02	12	31

Note: Read Instructions before completing this form

PARAMETER	SAMPLE MEASUREMENT	PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
			AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
FLOW RATE	See Note 7		32.4	*****	(07)	*****	*****	*****	0	01/90	RC
00056 1 0 1 EFFLUENT GROSS VALUE		REPORT DAILY AV	*****	*****	GPD	*****	*****	*****		QTRLY	RCORDR
PH	See Note 7		*****	*****		7.4	7.4	(12)	0	01/90	GR
00400 1 0 0 EFFLUENT GROSS VALUE		PERMIT REQUIREMENT	*****	*****	*****	REPORT MINIMUM	REPORT MAXIMUM	SU		QTRLY	GRAB
NITROGEN, TOTAL (AS N)	See Note 7		*****	*****	*****	*****	10.7	(19)	0	01/90	GR
00500 1 0 0 EFFLUENT GROSS VALUE		PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT DAILY MAX	MG/L		QTRLY	GRAB
CYANIDE, TOTAL (AS CN)	See Note 7		*****	*****	*****	*****	< 10	(28)	0	01/90	GR
00720 1 0 0 EFFLUENT GROSS VALUE		PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT DAILY MAX	UG/L		QTRLY	GRAB
SILVER, TOTAL (AS AG)	See Note 7		*****	*****	*****	*****	75.9	(28)	0	01/90	GR
01077 1 0 0 EFFLUENT GROSS VALUE		PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT DAILY MAX	UG/L		QTRLY	GRAB
PHENOLICS, TOTAL RECOVERABLE	See Note 7		*****	*****	*****	*****	< 5.0	(28)	0	01/90	GR
32730 1 0 0 EFFLUENT GROSS VALUE		PERMIT REQUIREMENT	*****	*****	*****	*****	REPORT DAILY MAX	UG/L		QTRLY	GRAB
		PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****			
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.									
Mr. Michael Holland Area Group Manager											
Typed or Printed		Signature of Principal Executive Officer or Authorized Agent									
		Telephone 631-344-3424									
		Date Signed									

Comments and Explanation of any violations (Reference all attachments here)
 NO CHANGES OR ADDITIONS OF CHEMICALS TO COOLING OR BOILER WATER W/O PRIOR NYSDEC APPROVAL. SAMPLES TO BE COLLECTED FROM MANHOLE NEAREST THE BUILDING. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS AND REQUIREMENTS

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
 U S D O E
 ADDRESS BROOKHAVEN NATIONAL LABORATORY
 BROOKHAVEN AREA OFFICE NY 11973
 FACILITY BROOKHAVEN NATIONAL LABORATORY
 LOCATION UPTON NY 11973
 ATTN: GEORGE MALOSH, GROUP MGR

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

MAJOR (SUBR 01)
 F - FINAL
 BOILER BLOWDN FROM 244,405,ETC
 *** No Discharge ***

001 E Discharge Number

NY0005835 Permit Number

Monitoring Period		From		To	
YR	MO	DAY	YR	MO	DAY
02	10	01	02	12	31

Note: Read Instructions before completing this form

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
FLOW RATE	65	*****	(07)	*****	*****	*****	0	01/90	RC
00056 1 0 1 EFFLUENT GROSS VALUE	REPORT DAILY AV	*****	GPD	*****	*****	*****	0	QTRLY	RCORDR
PH	*****	*****		9.0	*****	(12)	0	01/90	GR
00400 1 0 0 EFFLUENT GROSS VALUE	*****	*****		REPORT MINIMUM	*****	REPORT MAXIMUM		QTRLY	GRAB
SAMPLE MEASUREMENT									
PERMIT REQUIREMENT									
SAMPLE MEASUREMENT									
PERMIT REQUIREMENT									
SAMPLE MEASUREMENT									
PERMIT REQUIREMENT									
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PERMIT REQUIREMENT									
SAMPLE MEASUREMENT									
PERMIT REQUIREMENT									
SAMPLE MEASUREMENT									
PERMIT REQUIREMENT									
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.									
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		Mr. Michael Holland Area Group Manager		Signature of Principal Executive Officer or Authorized Agent		Telephone 631-344-3424		Date Signed	
Comments and Explanation of any violations (Reference all attachments here) NO CHANGES OR ADDITIONS OF CHEMICALS TO COOLING OR BOILER WATER W/O PRIOR NYSDEC APPROVAL. SAMPLES TO BE COLLECTED FROM A DEDICATED DRAIN OR HOLDING TANKS PRIOR TO DISCHARGE TO SEWER COLLECTION SYSTEM. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS AND REQUIREMENTS									

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

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
 NAME U S D O E
 ADDRESS BROOKHAVEN NATIONAL LABORATORY
 BROOKHAVEN AREA OFFICE NY 11973
 UPTON
 FACILITY BROOKHAVEN NATIONAL LABORATORY
 LOCATION UPTON NY 11973
 ATTN: GEORGE MALOSH, GROUP MGR

MAJOR
(SUBR 01)
F - FINAL
COOLING TOWER WTR & BLOWDN 902

Permit Number: NY0005835
 Discharge Number: 001 F

Monitoring Period: From To
 YR MO DAY YR MO DAY
 02 10 01 02 12 31

*** No Discharge ***

Note: Read Instructions before completing this form

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM				UNITS
FLOW RATE	3300	*****	*****	*****	*****	0	03/90	RC
00056 1 0 1 EFFLUENT GROSS VALUE	REPORT DAILY AV	*****	*****	*****	*****	0	QTRLY	RCORDR
PH	*****	*****	8.3	*****	8.3	0	01/90	GR
00400 1 0 0 EFFLUENT GROSS VALUE	*****	*****	REPORT MINIMUM	*****	REPORT MAXIMUM	0	QTRLY	GRAB
PROPYLENE GLYCOL	*****	*****	*****	*****	< 500	0	01/90	GR
MONOBUTYL ETHER	*****	*****	*****	*****	REPORT DAILY MAX	0	QTRLY	GRAB
49875 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	0	QTRLY	GRAB
	MEASUREMENT							
	PERMIT REQUIREMENT							
	MEASUREMENT							
	PERMIT REQUIREMENT							
	MEASUREMENT							
	PERMIT REQUIREMENT							
	MEASUREMENT							
	PERMIT REQUIREMENT							

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

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Mr. Michael Holland
 Area Group Manager

Signature of Principal Executive Officer or Authorized Agent

Telephone
631-344-3424

Date Signed

Comments and Explanation of any violations (Reference all attachments here)
 NO CHANGES OR ADDITIONS OF CHEMICALS TO COOLING OR BOILER WATER W/O PRIOR NYSDEC APPROVAL. SAMPLES TO BE COLLECTED FROM A DEDICATED DRAIN OR HOLDING TANKS PRIOR TO DISCHARGE TO SEWER COLLECTION SYSTEM. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS AND REQUIREMENTS

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

NAME U S D O E
 ADDRESS BROOKHAVEN NATIONAL LABORATORY
 BROOKHAVEN AREA OFFICE NY 11973
 UPTON
 FACILITY BROOKHAVEN NATIONAL LABORATORY
 LOCATION UPTON NY 11973
 ATTN: GEORGE MALOSH, GROUP MGR

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

Permit Number NY0005835
 Discharge Number 001 M (SUBR 01) F - FINAL
 Monitoring Period From To
 YR MO DAY YR MO DAY
 02 10 01 02 12 31

MAJOR PROCESS SANIT & STORMWTR RNOFF
 *** No Discharge

Note: Read Instructions before completing this form

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
TEMPERATURE, WATER DEG. FAHRENHEIT	*****	*****	*****	*****	*****	55	(15)	0	01/01	GR
00011 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	90	DEG.F	0	DAILY	GRAB
BOD, 5-DAY (20 DEG. C)	*****	*****	*****	*****	*****	2	(19)	0	03/30	24
00310 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	20	MG/L	0	ONCE/MONTH	COMP24
PH	*****	*****	*****	*****	*****	6.7	(12)	0	01/01	GR
00400 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	9.0	SU	0	DAILY	GRAB
SOLIDS, TOTAL SUSPENDED	*****	*****	*****	*****	*****	4	(19)	0	03/30	24
00530 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	20	MG/L	0	ONCE/MONTH	COMP24
SOLIDS, SETTLEABLE	*****	*****	*****	*****	*****	0.0	(25)	0	01/01	GR
00545 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	0.1	ML/L	0	DAILY	GRAB
NITROGEN, TOTAL (AS N)	*****	*****	*****	*****	*****	8.0	(19)	0	03/30	24
00600 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	10	MG/L	0	ONCE/MONTH	COMP24
NITROGEN, AMMONIA TOTAL (AS N)	*****	*****	*****	*****	*****	0.4	(19)	0	03/30	24
00610 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	2	MG/L	0	ONCE/MONTH	COMP24

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

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Mr. Michael Holland
 Area Group Manager
 Typed or Printed

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 EXFILTRATION FROM SFBS. SEE PERMIT FOR ADDITIONAL NOTES COMMENTS AND REQUIREMENTS.

Telephone
 631-344-3424

Date Signed
 Signature of Principal Executive Officer or Authorized Agent

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

NAME U S D O E
 ADDRESS BROOKHAVEN NATIONAL LABORATORY
 BROOKHAVEN AREA OFFICE NY 11973
 UPTON
 FACILITY BROOKHAVEN NATIONAL LABORATORY
 LOCATION UPTON NY 11973
 ATTN: GEORGE MALOSH, GROUP MGR

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

Permit Number NY0005835
 Discharge Number 001 M (SUBR 01)
 F - FINAL
 Monitoring Period
 From To
 YR MO DAY YR MO DAY
 02 10 01 02 12 31
 MAJOR PROCESS SANIT & STORMWTR RNOFF
 *** No Discharge ***

Note: Read Instructions before completing this form

PARAMETER	X	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
PHOSPHORUS, TOTAL (AS P)	MEASUREMENT	*****	*****	*****	*****	*****	*****	0	03/30	24
00665 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0	ONCE/MONTH	COMP24
CYANIDE, TOTAL (AS CN)	MEASUREMENT	*****	*****	*****	*****	*****	*****	0	03/30	GR
00720 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0	TWICE/MONTH	GRAB
COPPER, TOTAL (AS CU)	MEASUREMENT	*****	*****	*****	*****	*****	*****	0	03/30	24
01042 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0	ONCE/MONTH	COMP24
IRON, TOTAL (AS FE)	MEASUREMENT	*****	*****	*****	*****	*****	*****	1	03/30	24
01045 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0	ONCE/MONTH	COMP24
LEAD, TOTAL (AS PB)	MEASUREMENT	*****	*****	*****	*****	*****	*****	0	03/30	24
01051 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0	ONCE/MONTH	COMP24
NICKEL, TOTAL (AS NI)	MEASUREMENT	*****	*****	*****	*****	*****	*****	0	03/30	24
01067 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0	ONCE/MONTH	COMP24
SILVER, TOTAL (AS AG)	MEASUREMENT	*****	*****	*****	*****	*****	*****	0	03/30	24
01077 1 0 0 EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	0	ONCE/MONTH	COMP24

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Mr. Michael Holland
 Area Group Manager
 Signature of Principal Executive Officer or Authorized Agent
 Telephone 631-344-3424
 Date Signed

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

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 EXFILIT FROM SFBS. SEE PERMIT FOR ADDITIONAL NOTES COMMENTS AND REQUIREMENTS.

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

NAME U S D O E
 ADDRESS BROOKHAVEN NATIONAL LABORATORY
 BROOKHAVEN AREA OFFICE
 UPTON NY 11973
 FACILITY BROOKHAVEN NATIONAL LABORATORY
 LOCATION UPTON NY 11973
 ATTN: GEORGE MALOSH, GROUP MGR

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

MAJOR (SUBR 01)
 F - FINAL
 PROCESS SANIT & STORMWTR RNOFF
 *** No Discharge ***

Permit Number		001 M		Discharge Number	
Monitoring Period					
From	To				
YR	MO	DAY	YR	MO	DAY
02	10	01	02	12	31

Note: Read Instructions before completing this form

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
ZINC, TOTAL (AS ZN)	See Note 2	*****	*****	*****	*****	0.07	(19)	0	03/30	24
EFFLUENT GROSS VALUE		*****	*****	*****	*****	0.1 DAILY MX	MG/L		ONCE/MONTH	COMP24
TOLUENE		*****	*****	*****	*****	< 1	(28)	0	03/30	GR
34010 1 0 0		*****	*****	*****	*****	5 DAILY MX	UG/L		TWICE/MONTH	GRAB
EFFLUENT GROSS VALUE		*****	*****	*****	*****	4.5	(28)	0	03/30	GR
METHYLENE CHLORIDE	See Note 3	*****	*****	*****	*****	5 DAILY MX	UG/L		TWICE/MONTH	GRAB
34423 1 0 0		*****	*****	*****	*****	< 1	(28)	0	03/30	GR
EFFLUENT GROSS VALUE		*****	*****	*****	*****	5 DAILY MX	UG/L		TWICE/MONTH	GRAB
1,1,1-TRICHLORO-ETHANE		*****	*****	*****	*****	< 1	(28)	0	03/30	GR
34506 1 0 0		*****	*****	*****	*****	5 DAILY MX	UG/L		TWICE/MONTH	GRAB
EFFLUENT GROSS VALUE		*****	*****	*****	*****	< 2	(19)	0	03/30	24
FLOW, IN CONDUIT OR THRU TREATMENT PLANT		0.38	0.45	(03)	*****	*****	*****	0	99/99	RC
50050 1 0 0		REPORT DAILY AV	2.3 DAILY MX	MGD	*****	*****	*****	0	CONTINUOUS	RCORDR
EFFLUENT GROSS VALUE		*****	*****	*****	*****	0.0002	(19)	0	03/30	24
MERCURY, TOTAL (AS HG)		*****	*****	*****	*****	0.0008 DAILY MX	MG/L		ONCE/MONTH	COMP24
71900 1 0 0		*****	*****	*****	*****	< 2	(13)	0	03/30	GR
EFFLUENT GROSS VALUE		*****	*****	*****	*****	200 DAILY AV	#/100ML		ONCE/MONTH	GRAB
COLIFORM, FECAL GENERAL		*****	*****	*****	*****	400 DAILY MX	100ML		ONCE/MONTH	GRAB
74055 1 0 0		*****	*****	*****	*****	*****	*****		*****	*****
EFFLUENT GROSS VALUE		*****	*****	*****	*****	*****	*****		*****	*****

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.

Mr. Michael Holland
 Area Group Manager

Typed or Printed

Signature of Principal Executive Officer or Authorized Agent

Telephone
 631-344-3424

Date Signed

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 U S D O E
 ADDRESS BROOKHAVEN NATIONAL LABORATORY
 BROOKHAVEN AREA OFFICE UPTON NY 11973
 FACILITY BROOKHAVEN NATIONAL LABORATORY
 LOCATION UPTON NY 11973
 ATTN: GEORGE MALOSH, GROUP MGR

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

MAJOR (SUBR 01)
 F - FINAL
 RF(1004) & BRAHMS(1002) BLOWDN
 *** No Discharge ****

NY0005835		002 B	
Permit Number		Discharge Number	
Monitoring Period			
From	To		
YR MO DAY YR MO DAY			
02 10 01 02 12 31			

Note: Read Instructions before completing this form

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
PH		7.3	.....	8.4	0	04/30	GR
00400 1 0 0 EFFLUENT GROSS VALUE	REPORT MINIMUM	.....	9.0 MAXIMUM	0	ONCE/MONTH	GRAB
OIL & GREASE	< 5.0	0	01/30	GR
00556 1 0 0 EFFLUENT GROSS VALUE	15 DAILY MX	0	ONCE/MONTH	GRAB
FLOW IN CONDUIT OR THRU TREATMENT PLANT	0.0042	(03)	.....	.....	.....	0	04/30	RC
50050 1 0 0 See Note 5 EFFLUENT GROSS VALUE	REPORT DAILY MX	MGD	.....	.....	.....	0	ONCE/MONTH	RCORDR
MEASUREMENT PERMIT REQUIREMENT									
MEASUREMENT PERMIT REQUIREMENT									
MEASUREMENT PERMIT REQUIREMENT									
MEASUREMENT PERMIT REQUIREMENT									
MEASUREMENT PERMIT REQUIREMENT									
MEASUREMENT PERMIT REQUIREMENT									

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		Signature of Principal Executive Officer or Authorized Agent	
Mr. Michael Holland Area Group Manager			
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 & A NEW RECHARGE BASIN IS CONSTRUCTED, DISCHARGE SHOULD BE TO NEW BASIN.		Telephone 631-344-3424	
Typed or Printed		Date Signed	

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.

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

NAME U S D O E
 ADDRESS BROOKHAVEN NATIONAL LABORATORY
 BROOKHAVEN AREA OFFICE
 UPTON NY 11973
 FACILITY BROOKHAVEN NATIONAL LABORATORY
 LOCATION UPTON NY 11973
 ATTN: GEORGE MALOSH, GROUP MGR

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

MAJOR

002 Q Discharge Number

(SUBR 01)
 F - FINAL

AGS NON-C COOLG, PRECP ETC (HN)

*** No Discharge ***

Note: Read Instructions before completing this form

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
ALUMINUM, TOTAL (AS AL) See Note 1	*****	*****	*****	*****	*****	0.46	(19)	0	01/90	GR
01105 1 0 1 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	2.0 DAILY MX	MG/L	0	QTRLY	GRAB
CHLOROFORM	*****	*****	*****	*****	*****	1.5	(28)	0	01/90	GR
32106 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	50 DAILY MX	UG/L	0	QTRLY	GRAB
1,1,1-TRICHLORO-ETHANE	*****	*****	*****	*****	*****	< 1	(28)	0	01/90	GR
34506 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	7 DAILY MX	UG/L	0	QTRLY	GRAB
BROMODICHLOROMETHANE	*****	*****	*****	*****	*****	< 1	(28)	0	01/90	GR
EFFLUENT	*****	*****	*****	*****	*****	6 DAILY MX	UG/L	0	QTRLY	GRAB
38693 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	< 0.05	(19)	0	01/90	GR
1-HYDROXY-ETHYLIDENE	*****	*****	*****	*****	*****	0.5 DAILY MX	MG/L	0	QTRLY	GRAB
85812 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	< 0.005	(19)	0	01/90	GR
TOLYTRIAZOLE	*****	*****	*****	*****	*****	0.2 DAILY MX	MG/L	0	QTRLY	GRAB
85813 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****					
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.									
Mr. Michael Holland Area Group Manager										
Telephone	631-344-3424									
Signature of Principal Executive Officer or Authorized Agent	Date Signed									

Comments and Explanation of any violations (Reference all attachments here)
 NO ADDITIONAL WATER TREATMENT CHEMICAL ADDITIVES W/O PRIOR NYSDEC APPROVAL. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS AND REQUIREMENTS. SAMPLING TO BE DOWNSTREAM OF WHERE EXISTING DISCHARGE MIXES WITH COOLING TOWER BLOWDOWN FROM STAR DETECTOR.

Typed or Printed

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
 NAME U S D O E
 ADDRESS BROOKHAVEN NATIONAL LABORATORY
 BROOKHAVEN AREA OFFICE
 UPTON NY 11973
 FACILITY BROOKHAVEN NATIONAL LABORATORY
 LOCATION UPTON NY 11973
 ATTN: GEORGE MALOSH, GROUP MGR

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

Permit Number NY0005835
 Discharge Number 005 M (SUBR 01)
 F - FINAL

MAJOR
 NSLS COOLING TOWR BLDN ETC (HS)
 *** No Discharge ***

Note: Read Instructions before completing this form

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	UNITS			
PH	.....	.....	6.8	.....	7.7	(12)	0	04/30	GR
00400 1 0 0 EFFLUENT GROSS VALUE	.....	.....	REPORT MINIMUM	.....	8.5 MAXIMUM	SU		ONCE/MONTH	GRAB
OIL & GREASE	.....	.....	.....	.....	< 5.0	(19)	0	01/30	GR
00556 1 0 0 EFFLUENT GROSS VALUE	.....	.....	.....	.....	15 DAILY MX	MG/L		ONCE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	0.35	.....	.....	.....	.....	.....	0	04/30	RC
50050 1 0 1 EFFLUENT GROSS VALUE	REPORT DAILY AV	.....	.....	.....	.....	.....		ONCE/MONTH	RCORDR
	SAMPLE MEASUREMENT								
	PERMIT REQUIREMENT								
	SAMPLE MEASUREMENT								
	PERMIT REQUIREMENT								
	SAMPLE MEASUREMENT								
	PERMIT REQUIREMENT								
	SAMPLE MEASUREMENT								
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	SAMPLE MEASUREMENT								
	PERMIT REQUIREMENT								
	SAMPLE MEASUREMENT								
	PERMIT REQUIREMENT								
	SAMPLE MEASUREMENT								
	PERMIT REQUIREMENT								

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Mr. Michael Holland
 Area Group Manager

Signature of Principal Executive Officer or Authorized Agent

Telephone
 631-344-3424

Date Signed

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

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 U S D O E
 ADDRESS BROOKHAVEN NATIONAL LABORATORY
 BROOKHAVEN AREA OFFICE
 UPTON NY 11973
 FACILITY BROOKHAVEN NATIONAL LABORATORY
 LOCATION UPTON NY 11973
 ATTN: GEORGE MALOSH, GROUP MGR

MAJOR

NY0005835
 Permit Number
 Monitoring Period
 From To
 YR MO DAY YR MO DAY
 03 01 01 03 03 31

007 M Discharge Number
 (SUBR 01)
 F - FINAL

WATER TREATMENT PLT BKWSH (HX)
 *** No Discharge ***

Note: Read Instructions before completing this form

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE				MAXIMUM	UNITS
FLOW RATE	*****	280000	(07)	*****	*****	0	119/30	IN
00056 1 0 0 EFFLUENT GROSS VALUE	*****	REPORT DAILY MX	GPD	*****	*****	0	ONCE/MONTH	INSTAN
PH	*****	*****	*****	8.1	8.1	0	01/30	GR
00400 1 0 0 EFFLUENT GROSS VALUE	*****	*****	*****	REPORT MINIMUM	9.0 MAXIMUM	0	ONCE/MONTH	GRAB
MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****
PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****
MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****
PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****
MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****
PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****
MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****
PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****
MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****
PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****
MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****
PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****
MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****
PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****
MEASUREMENT	*****	*****	*****	*****	*****	*****	*****	*****
PERMIT REQUIREMENT	*****	*****	*****	*****	*****	*****	*****	*****
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.							
Mr. Michael Holland Area Group Manager	Signature of Principal Executive Officer or Authorized Agent							
Typed or Printed	Telephone 631-344-3424							
Comments and Explanation of any violations (Reference all attachments here)	Date Signed							

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 U S D O E
 ADDRESS BROOKHAVEN NATIONAL LABORATORY
 BROOKHAVEN AREA OFFICE
 UPTON NY 11973
 FACILITY BROOKHAVEN NATIONAL LABORATORY
 LOCATION UPTON NY 11973
 ATTN: GEORGE MALOSH, GROUP MGR

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

MAJOR

NY0005835 008 M Discharge Number
 Permit Number (SUBR 01)
 F - FINAL

STORMWTR RUNOFF WAREHOUSE (HW)

*** No Discharge

Note: Read Instructions before completing this form

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
FLOW RATE	.....	132000	(07)	.....	.....	.....	0	01/30	IN
00058 1 0 0 EFFLUENT GROSS VALUE	.....	REPORT DAILY MX	GPD	.....	.....	.....	0	ONCE/MONTH	INSTAN
PH	.....	.....	.....	7.7	7.7	(12)	0	01/30	GR
00400 1 0 0 EFFLUENT GROSS VALUE	.....	.....	.....	REPORT MINIMUM	8.5 MAXIMUM	SU	0	ONCE/MONTH	GRAB
OIL & GREASE	.....	.....	.....	.....	< 5.0	(19)	0	01/30	GR
00558 1 0 0 EFFLUENT GROSS VALUE	.....	.....	.....	.....	1.5 DAILY MX	MG/L	0	ONCE/MONTH	GRAB
1,1-DICHLOROETHYLENE	.....	.....	.....	.....	< 1	(28)	0	01/30	GR
34501 1 0 0 EFFLUENT GROSS VALUE	.....	.....	.....	.....	5 DAILY MX	UGIL	0	ONCE/MONTH	GRAB
1,1,1-TRICHLORO-ETHANE	.....	.....	.....	.....	< 1	(28)	0	01/30	GR
34506 1 0 0 EFFLUENT GROSS VALUE	.....	.....	.....	.....	5 DAILY MX	UGIL	0	ONCE/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 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.								
Mr. Michael Holland Area Group Manager	Signature of Principal Executive Officer or Authorized Agent								
Typed or Printed	Telephone 631-344-3424								
	Date Signed								

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 U S D O E
 ADDRESS BROOKHAVEN NATIONAL LABORATORY
 BROOKHAVEN AREA OFFICE NY 11973
 FACILITY BROOKHAVEN NATIONAL LABORATORY
 LOCATION UPTON NY 11973
 ATTN: GEORGE MALOSH, GROUP MGR

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

Permit Number NY0005835
 Discharge Number 008 Q
 MAJOR (SUBR 01)
 F - FINAL
 SW RUNOFF FROM WAREHOUSE AREA
 *** No Discharge ****

Note: Read Instructions before completing this form

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQ. OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
ALUMINUM, TOTAL (AS AL)	1.2	0	01/90	GR
01105 1 0 0	2.0 DAILY MX		QTRLY	GRAB
EFFLUENT GROSS VALUE									
SAMPLE MEASUREMENT									
PERMIT REQUIREMENT									
SAMPLE MEASUREMENT									
PERMIT REQUIREMENT									
SAMPLE MEASUREMENT									
PERMIT REQUIREMENT									
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PERMIT REQUIREMENT									
SAMPLE MEASUREMENT									
PERMIT REQUIREMENT									
SAMPLE MEASUREMENT									
PERMIT REQUIREMENT									

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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Mr. Michael Holland
 Area Group Manager
 Typed or Printed

Telephone
 631-344-3424

Date Signed

Signature of Principal Executive Officer or Authorized Agent

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

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

NAME U S D O E
 ADDRESS BROOKHAVEN NATIONAL LABORATORY
 BROOKHAVEN AREA OFFICE NY 11973
 FACILITY BROOKHAVEN NATIONAL LABORATORY
 LOCATION UPTON NY 11973
 ATTN: GEORGE MALOSH, GROUP MGR

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

MAJOR (SUBR 01)
 F - FINAL
 STORMWTR R O CENTRAL STEAM (H) ***
 *** No Discharge

PARAMETER	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
FLOW RATE	12300	(07)	.....	.....	.....	0	01/30	IN
00056 1 0 0 EFFLUENT GROSS VALUE	REPORT DAILY MX	GPD	.....	.....	.....	0	ONCE/MONTH	INSTAN
PH		8.0	8.0	(12)	0	01/30	GR
00400 1 0 0 EFFLUENT GROSS VALUE		REPORT MINIMUM	8.5	SU	0	ONCE/MONTH	GRAB
OIL & GREASE	< 5.0	(19)	0	01/30	GR
00556 1 0 0 EFFLUENT GROSS VALUE	15 DAILY MX	MG/L	0	ONCE/MONTH	GRAB
<p>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.</p>									
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			Signature of Principal Executive Officer or Authorized Agent						
Mr. Michael Holland Area Group Manager			Telephone 631-344-3424						
Typed or Printed			Date Signed						

Note: Read Instructions before completing this form

Comments and Explanation of any violations (Reference all attachments here)
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PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)

NAME U S D O E
 ADDRESS BROOKHAVEN NATIONAL LABORATORY
 BROOKHAVEN AREA OFFICE
 UPTON NY 11973
 FACILITY BROOKHAVEN NATIONAL LABORATORY
 LOCATION UPTON NY 11973
 ATTN: GEORGE MALOSH, GROUP MGR

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

MAJOR

Permit Number NY0005835
 Discharge Number 1010 Q
 (SUBR 01)
 F - FINAL

Monitoring Period

From	To
YR MO DAY YR MO DAY	YR MO DAY YR MO DAY
03 01 01 03 03 31	

SW RUNOFF FROM CENTRAL STM (H)

*** No Discharge ***

Note: Read Instructions before completing this form

PARAMETER	X	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
COPPER, TOTAL (AS CU)	See Note 1	MEASUREMENT	*****	*****	*****	0.022	(19)	0	01/90	GR
01042 1 0 0		PERMIT REQUIREMENT	*****	*****	*****	1.0 DAILY MX	MG/L		QTRLY	GRAB
LEAD, TOTAL (AS PB)		MEASUREMENT	*****	*****	*****	0.017	(19)	0	01/90	GR
01051 1 0 0		PERMIT REQUIREMENT	*****	*****	*****	0.05 DAILY MX	MG/L		QTRLY	GRAB
VANADIUM, TOTAL (AS V)	See Note 1	MEASUREMENT	*****	*****	*****	0.018	(19)	0	01/90	GR
01087 1 0 0		PERMIT REQUIREMENT	*****	*****	*****	REPORT DAILY MX	MG/L		QTRLY	GRAB
ALUMINUM, TOTAL (AS AL)		MEASUREMENT	*****	*****	*****	1.3	(19)	0	01/90	GR
01105 1 0 0		PERMIT REQUIREMENT	*****	*****	*****	2.0 DAILY MX	MG/L		QTRLY	GRAB
EFFLUENT GROSS VALUE		SAMPLE								
		MEASUREMENT								
		PERMIT REQUIREMENT								
		SAMPLE								
		MEASUREMENT								
		PERMIT REQUIREMENT								
		SAMPLE								
		MEASUREMENT								
		PERMIT REQUIREMENT								

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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Mr. Michael Holland
 Area Group Manager

Typed or Printed

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

Signature of Principal Executive Officer or Authorized Agent

Telephone
 631-344-3424

Date Signed

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

NAME U S D O E
 ADDRESS BROOKHAVEN NATIONAL LABORATORY
 BROOKHAVEN AREA OFFICE NY 11973
 UPTON
 FACILITY BROOKHAVEN NATIONAL LABORATORY
 LOCATION UPTON NY 11973
 ATTN: GEORGE MALOSH, GROUP MGR

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

MAJOR (SUBR 01)
 F - FINAL
 LINAC NCCW, FLOOR DNS, ETC (HT1)
 *** No Discharge ****

NY0005835 Permit Number		06A M Discharge Number	
Monitoring Period			
From	To	YR	MO
03 01 01	03 03 31	03	01

Note: Read Instructions before completing this form

PARAMETER	QUANTITY OR LOADING			QUANTITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
PH	.....	.....		7.5	.....	8.3	0	04/30	GR
00400 1 0 0 EFFLUENT GROSS VALUE	.....	.....	.....	REPORT MINIMUM	.....	9.0 MAXIMUM	0	ONCE/MONTH	GRAB
OIL & GREASE	.....	.....		.....	.....	< 5.0	0	01/30	GR
00556 1 0 0 EFFLUENT GROSS VALUE	.....	.....	.....	.....	.....	15. DAILY MAX	0	ONCE/MONTH	GRAB
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	0.05	.....	(03)	.....	.....	.....	0	04/30	RC
50050 1 0 1 EFFLUENT GROSS VALUE	REPORT DAILY AV	.....	MGD	.....	.....	.....	0	ONCE/MONTH	RCORDR
	SAMPLE MEASUREMENT PERMIT REQUIREMENT								
	SAMPLE MEASUREMENT PERMIT REQUIREMENT								
	SAMPLE MEASUREMENT PERMIT REQUIREMENT								
	SAMPLE MEASUREMENT PERMIT REQUIREMENT								
	SAMPLE MEASUREMENT PERMIT REQUIREMENT								
	SAMPLE MEASUREMENT PERMIT REQUIREMENT								
	SAMPLE MEASUREMENT PERMIT REQUIREMENT								

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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Mr. Michael Holland
 Area Group Manager

Signature of Principal Executive Officer or Authorized Agent

Telephone
 631-344-3424

Date Signed

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 U S D O E
 ADDRESS BROOKHAVEN NATIONAL LABORATORY
 BROOKHAVEN AREA OFFICE NY 11973
 FACILITY BROOKHAVEN NATIONAL LABORATORY
 LOCATION UPTON NY 11973
 ATTN: GEORGE MALOSH, GROUP MGR

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

MAJOR

Permit Number NY0005835
 Discharge Number 06A Q (SUBR 01)
 F - FINAL

Monitoring Period
 From To
 YR MO DAY YR MO DAY
 03 01 01 03 03 31
 LINAC NCCW, FLOOR DNS, SW (HT1)
 *** No Discharge ****

Note: Read Instructions before completing this form

PARAMETER	QUANTITY OR LOADING		QUALITY OR CONCENTRATION				NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE	
	AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
1-HYDROXY-ETHYLIDENE	*****	*****	UNITS	*****	*****	< 0.05	(19)	0	01/90	GR
85812 1 0 0	*****	*****	*****	*****	*****	0.5	MG/L		QTRLY	GRAB
EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	DAILY MX				
TOLYTRIAZOLE	*****	*****	*****	*****	*****	< 0.005	(19)	0	01/90	GR
85813 1 0 0	*****	*****	*****	*****	*****	0.2	MG/L		QTRLY	GRAB
EFFLUENT GROSS VALUE	*****	*****	*****	*****	*****	DAILY MX				
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										
SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										
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SAMPLE MEASUREMENT										
PERMIT REQUIREMENT										

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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Mr. Michael Holland
 Area Group Manager
 Telephone 631-344-3424

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

Signature of Principal Executive Officer or Authorized Agent
 Date Signed

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
 NAME U S D O E
 ADDRESS BROOKHAVEN NATIONAL LABORATORY
 BROOKHAVEN AREA OFFICE
 UPTON NY 11973
 FACILITY BROOKHAVEN NATIONAL LABORATORY
 LOCATION UPTON NY 11973
 ATTN: GEORGE MALOSH, GROUP MGR

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

MAJOR (SUBR 01)
 F - FINAL
 COOLG TOWRS FROM 919 ETC (HT2)
 *** No Discharge

NY0005835 Permit Number
 06B Q Discharge Number

Monitoring Period		From		To	
YR	MO	DAY	YR	MO	DAY
03	01	01	03	03	31

Note: Read Instructions before completing this form

PARAMETER	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING			QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	UNITS	MINIMUM	AVERAGE	MAXIMUM				UNITS
1-HYDROXY-ETHYLIDENE	MEASUREMENT	*****	*****	*****	*****	*****	(19)	0	01/90	GR
85812 1 0 0	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.5 DAILY MX		QTRLY	GRAB
EFFLUENT GROSS VALUE	MEASUREMENT	*****	*****	****	*****	*****	< 0.005	0	01/90	GR
TOLYTRIAZOLE	PERMIT REQUIREMENT	*****	*****	****	*****	*****	0.2 DAILY MX		QTRLY	GRAB
85813 1 0 0	MEASUREMENT	*****	*****	****	*****	*****	< 0.005			
EFFLUENT GROSS VALUE	PERMIT REQUIREMENT	*****	*****	****	*****	*****				
	MEASUREMENT	*****	*****	****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	****	*****	*****				
	MEASUREMENT	*****	*****	****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	****	*****	*****				
	MEASUREMENT	*****	*****	****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	****	*****	*****				
	MEASUREMENT	*****	*****	****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	****	*****	*****				
	MEASUREMENT	*****	*****	****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	****	*****	*****				
	MEASUREMENT	*****	*****	****	*****	*****				
	PERMIT REQUIREMENT	*****	*****	****	*****	*****				

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NAME/TITLE PRINCIPAL EXECUTIVE OFFICER
 Mr. Michael Holland
 Area Group Manager
 Telephone 631-344-3424
 Signature of Principal Executive Officer or Authorized Agent
 Date Signed

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

ATTACHMENT II
BROOKHAVEN NATIONAL LABORATORY
SPDES PERMIT NO. NY0005835
DISCHARGE MONITORING REPORT FOR MARCH 2003
NON-COMPLIANCE REPORT

Appendix B

SECTION 1



New York State Department of Environmental Conservation
Division of Water



Report of Noncompliance Event

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

Report Type: 5 Day [X] Permit Violation Order Violation Anticipated Noncompliance Bypass/Overflow Other

SECTION 2

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

Date of noncompliance: 3 / 3 / 03 Location (Outfall, Treatment Unit, or Pump Station): 001

Description of noncompliance(s) and cause(s): The total iron concentration at Outfall 001 on 3/3/03 was 0.39 mg/L which exceeded the permit limit of 0.37 mg/L.

Has event ceased? (Yes) (No) If so, when? 3/5/03 Was event due to plant upset? (Yes) (No) SPDES limits violated? (Yes) (No)

Start date, time of event: 3 / 3 / 03, 10 : 40 (AM) (PM) End date, time of event: 3 / 5 / 03, 10 : 00 (AM) (PM)

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

Immediate corrective actions: No immediate corrective actions were taken due to the lagtime between sample collection, analysis, and data report issuance.

Preventive (long term) corrective actions: There are no long-term corrective actions for this excursion. The concentration and duration of this excursion does not indicate a continual non-complying discharge.

SECTION 3

Complete this section if event was a bypass:

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

DEC Official contacted: Date of DEC approval: / /

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

SECTION 4

Facility Representative: Title: Date: / /

Phone #: () - Fax #: () -

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[Signature]
Signature of Principal Executive Officer or Authorized Agent

ATTACHMENT III
BROOKHAVEN NATIONAL LABORATORY
SPDES PERMIT NO. NY0005835
DISCHARGE MONITORING REPORT FOR MARCH 2003
ANALYTICAL RESULTS FROM H2M LABS, INC.
FOR REGULATORY COMPLIANCE SAMPLES COLLECTED
3/3/03,
3/5/03, AND 3/7/03
FROM OUTFALL 001

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

16234-001

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: BNLS

SAS No.: _____

SDG No.: BNLS728Matrix: (soil/water) WATERLab Sample ID: 0303024-001DSample wt/vol: 1000 (g/mL) MLLab File ID: A\C22866.DLevel: (low/med) LOWDate Received: 03/03/03% Moisture: Decanted: (Y/N) NDate Extracted: 03/10/03Concentrated Extract Volume: 1000 (µL)Date Analyzed: 03/13/03Injection Volume: 2 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) CONT

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	UG/L	Q
108-95-2	Phenol	10		U
111-44-4	Bis(2-chloroethyl)ether	10		U
95-57-8	2-Chlorophenol	10		U
541-73-1	1,3-Dichlorobenzene	10		U
106-46-7	1,4-Dichlorobenzene	10		U
95-50-1	1,2-Dichlorobenzene	10		U
95-48-7	2-Methylphenol	10		U
108-60-1	2,2'-oxybis(1-Chloropropane)	10		U
106-44-5	4-Methylphenol	10		U
621-64-7	N-Nitroso-di-n-propylamine	10		U
67-72-1	Hexachloroethane	10		U
98-95-3	Nitrobenzene	10		U
78-59-1	Isophorone	10		U
88-75-5	2-Nitrophenol	10		U
105-67-9	2,4-Dimethylphenol	10		U
111-91-1	Bis(2-chloroethoxy)methane	10		U
120-83-2	2,4-Dichlorophenol	10		U
120-82-1	1,2,4-Trichlorobenzene	10		U
91-20-3	Naphthalene	10		U
106-47-8	4-Chloroaniline	10		U
87-68-3	Hexachlorobutadiene	10		U
59-50-7	4-Chloro-3-methylphenol	10		U
91-57-6	2-Methylnaphthalene	10		U
77-47-4	Hexachlorocyclopentadiene	10		U
88-06-2	2,4,6-Trichlorophenol	10		U
95-95-4	2,4,5-Trichlorophenol	25		U
91-58-7	2-Chloronaphthalene	10		U
88-74-4	2-Nitroaniline	25		U
131-11-3	Dimethylphthalate	10		U
208-96-8	Acenaphthylene	10		U
606-20-2	2,6-Dinitrotoluene	10		U
99-09-2	3-Nitroaniline	25		U
83-32-9	Acenaphthene	10		U
51-28-5	2,4-Dinitrophenol	25		U
100-02-7	4-Nitrophenol	25		U
132-64-9	Dibenzofuran	10		U

Outfall 001
 Sampled 3-3-03
 24 Hr. Composite

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

16234-001

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BNLS SAS No.: _____ SDG No.: BNLS728

Matrix: (soil/water) WATER Lab Sample ID: 0303024-001D

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C22866.D

Level: (low/med) LOW Date Received: 03/03/03

% Moisture: Decanted: (Y/N) N Date Extracted: 03/10/03

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 03/13/03

Injection Volume: 2 (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) CONT

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

*Outfall 001
Sampled 3-3-03
24 Hr. Composite*

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

16244-001

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: BNLS

SAS No.: _____

SDG No.: BNLS728Matrix: (soil/water) WATERLab Sample ID: 0303100-001DSample wt/vol: 1000 (g/mL) MLLab File ID: A\C22867.DLevel: (low/med) LOWDate Received: 03/05/03% Moisture: Decanted: (Y/N) NDate Extracted: 03/10/03Concentrated Extract Volume: 1000 (µL)Date Analyzed: 03/13/03Injection Volume: 2 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) CONT

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
108-95-2	Phenol	10	U
111-44-4	Bis(2-chloroethyl)ether	10	U
95-57-8	2-Chlorophenol	10	U
541-73-1	1,3-Dichlorobenzene	10	U
106-46-7	1,4-Dichlorobenzene	10	U
95-50-1	1,2-Dichlorobenzene	10	U
95-48-7	2-Methylphenol	10	U
108-60-1	2,2'-oxybis(1-Chloropropane)	10	U
106-44-5	4-Methylphenol	10	U
621-64-7	N-Nitroso-di-n-propylamine	10	U
67-72-1	Hexachloroethane	10	U
98-95-3	Nitrobenzene	10	U
78-59-1	Isophorone	10	U
88-75-5	2-Nitrophenol	10	U
105-67-9	2,4-Dimethylphenol	10	U
111-91-1	Bis(2-chloroethoxy)methane	10	U
120-83-2	2,4-Dichlorophenol	10	U
120-82-1	1,2,4-Trichlorobenzene	10	U
91-20-3	Naphthalene	10	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	10	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	10	U
88-06-2	2,4,6-Trichlorophenol	10	U
95-95-4	2,4,5-Trichlorophenol	25	U
91-58-7	2-Chloronaphthalene	10	U
88-74-4	2-Nitroaniline	25	U
131-11-3	Dimethylphthalate	10	U
208-96-8	Acenaphthylene	10	U
606-20-2	2,6-Dinitrotoluene	10	U
99-09-2	3-Nitroaniline	25	U
83-32-9	Acenaphthene	10	U
51-28-5	2,4-Dinitrophenol	25	U
100-02-7	4-Nitrophenol	25	U
132-64-9	Dibenzofuran	10	U

Outfall 001
 Sampled 3-5-03
 24 Hr. Composite

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

16244-001

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: BNLS

SAS No.: _____

SDG No.: BNLS728Matrix: (soil/water) WATERLab Sample ID: 0303100-001DSample wt/vol: 1000 (g/mL) MLLab File ID: A\C22867.DLevel: (low/med) LOWDate Received: 03/05/03% Moisture: Decanted: (Y/N) NDate Extracted: 03/10/03Concentrated Extract Volume: 1000 (µL)Date Analyzed: 03/13/03Injection Volume: 2 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) CONT

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
121-14-2	2,4-Dinitrotoluene	10	U
84-66-2	Diethylphthalate	10	U
7005-72-3	4-Chlorophenyl-phenylether	10	U
86-73-7	Fluorene	10	U
100-01-6	4-Nitroaniline	25	U
534-52-1	4,6-Dinitro-2-methylphenol	25	U
86-30-6	N-Nitrosodiphenylamine	10	U
101-55-3	4-Bromophenyl-phenylether	10	U
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
86-74-8	Carbazole	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
56-55-3	Benzo(a)anthracene	10	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

Outfall 001
 Sampled 3-5-03
 24 Hr. Composite

1C
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

16252-001

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: BNLS

SAS No.: _____

SDG No.: BNLS728

Matrix: (soil/water) WATER

Lab Sample ID: 0303171-001D

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: A\C22868.D

Level: (low/med) LOW

Date Received: 03/07/03

% Moisture: Decanted: (Y/N) N

Date Extracted: 03/10/03

Concentrated Extract Volume: 1000 (µL)

Date Analyzed: 03/13/03

Injection Volume: 2 (µL)

Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____

Extraction: (Type) CONT

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	UG/L	Q
108-95-2	Phenol	10		U
111-44-4	Bis(2-chloroethyl) ether	10		U
95-57-8	2-Chlorophenol	10		U
541-73-1	1,3-Dichlorobenzene	10		U
106-46-7	1,4-Dichlorobenzene	10		U
95-50-1	1,2-Dichlorobenzene	10		U
95-48-7	2-Methylphenol	10		U
108-60-1	2,2'-oxybis(1-Chloropropane)	10		U
106-44-5	4-Methylphenol	10		U
621-64-7	N-Nitroso-di-n-propylamine	10		U
67-72-1	Hexachloroethane	10		U
98-95-3	Nitrobenzene	10		U
78-59-1	Isophorone	10		U
88-75-5	2-Nitrophenol	10		U
105-67-9	2,4-Dimethylphenol	10		U
111-91-1	Bis(2-chloroethoxy)methane	10		U
120-83-2	2,4-Dichlorophenol	10		U
120-82-1	1,2,4-Trichlorobenzene	10		U
91-20-3	Naphthalene	10		U
106-47-8	4-Chloroaniline	10		U
87-68-3	Hexachlorobutadiene	10		U
59-50-7	4-Chloro-3-methylphenol	10		U
91-57-6	2-Methylnaphthalene	10		U
77-47-4	Hexachlorocyclopentadiene	10		U
88-06-2	2,4,6-Trichlorophenol	10		U
95-95-4	2,4,5-Trichlorophenol	25		U
91-58-7	2-Chloronaphthalene	10		U
88-74-4	2-Nitroaniline	25		U
131-11-3	Dimethylphthalate	10		U
208-96-8	Acenaphthylene	10		U
606-20-2	2,6-Dinitrotoluene	10		U
99-09-2	3-Nitroaniline	25		U
83-32-9	Acenaphthene	10		U
51-28-5	2,4-Dinitrophenol	25		U
100-02-7	4-Nitrophenol	25		U
132-64-9	Dibenzofuran	10		U

Cutoff 001
Sampled 3-7-03
24 Hr. Composite

FORM I SV- 1

OLM04.2

BNLS728 S97

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

16252-001

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: BNLS

SAS No.: _____

SDG No.: BNLS728Matrix: (soil/water) WATERLab Sample ID: 0303171-001DSample wt/vol: 1000 (g/mL) MLLab File ID: A\C22868.DLevel: (low/med) LOWDate Received: 03/07/03% Moisture: Decanted: (Y/N) NDate Extracted: 03/10/03Concentrated Extract Volume: 1000 (µL)Date Analyzed: 03/13/03Injection Volume: 2 (µL)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) CONT

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	UG/L	Q
121-14-2	2,4-Dinitrotoluene	10		U
84-66-2	Diethylphthalate	10		U
7005-72-3	4-Chlorophenyl-phenylether	10		U
86-73-7	Fluorene	10		U
100-01-6	4-Nitroaniline	25		U
534-52-1	4,6-Dinitro-2-methylphenol	25		U
86-30-6	N-Nitrosodiphenylamine	10		U
101-55-3	4-Bromophenyl-phenylether	10		U
118-74-1	Hexachlorobenzene	10		U
87-86-5	Pentachlorophenol	25		U
85-01-8	Phenanthrene	10		U
120-12-7	Anthracene	10		U
86-74-8	Carbazole	10		U
84-74-2	Di-n-butyl phthalate	10		U
206-44-0	Fluoranthene	10		U
129-00-0	Pyrene	10		U
85-68-7	Butyl benzyl phthalate	10		U
91-94-1	3,3'-Dichlorobenzidine	20		U
56-55-3	Benzo(a)anthracene	10		U
218-01-9	Chrysene	10		U
117-81-7	Bis(2-ethylhexyl)phthalate	10		U
117-84-0	Di-n-octyl phthalate	10		U
205-99-2	Benzo(b)fluoranthene	10		U
207-08-9	Benzo(k)fluoranthene	10		U
50-32-8	Benzo(a)pyrene	10		U
193-39-5	Indeno(1,2,3-cd)pyrene	10		U
53-70-3	Dibenzo(a,h)anthracene	10		U
191-24-2	Benzo(g,h,i)perylene	10		U

Outfall 001
 Sampled 3-7-03
 24hr. Composite

IE
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

16234-002

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BNLS SAS No.: _____ SDG No.: BNLS728

Matrix: (soil/water) WATER Lab Sample ID: 0303024-002D

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A22310.RAW

% Moisture: _____ Decanted: (Y/N) N Date Received: 03/03/03

Extraction: (Type) CONT Date Extracted: 03/10/03

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 03/12/03

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.32	P
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
57-74-9	Chlordane	1.0	U
8001-35-2	Toxaphene	5.0	U

outfall 001
Sampled 3-3-03
Grab Sample

IE
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

16244-002

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BNLS SAS No.: _____ SDG No.: BNLS728

Matrix: (soil/water) WATER Lab Sample ID: 0303100-002D

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A22311.RAW

% Moisture: _____ Decanted: (Y/N) N Date Received: 03/05/03

Extraction: (Type) CONT Date Extracted: 03/10/03

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 03/12/03

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.42	P
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DDD	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
57-74-9	Chlordane	1.0	U
8001-35-2	Toxaphene	5.0	U

*Outfall 001
Sampled 3-5-03
Grab Sample*

IE
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

16252-002

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BNLS SAS No.: _____ SDG No.: BNLS728

Matrix: (soil/water) WATER Lab Sample ID: 0303171-002D

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A22312.RAW

% Moisture: _____ Decanted: (Y/N) N Date Received: 03/07/03

Extraction: (Type) _____ CONT Date Extracted: 03/10/03

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 03/12/03

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	Q
319-84-6	alpha-BHC	0.050	U
319-85-7	beta-BHC	0.050	U
319-86-8	delta-BHC	0.050	U
58-89-9	gamma-BHC	0.050	U
76-44-8	Heptachlor	0.050	U
309-00-2	Aldrin	0.050	U
1024-57-3	Heptachlor epoxide	0.48	P
959-98-8	Endosulfan I	0.050	U
60-57-1	Dieldrin	0.10	U
72-55-9	4,4'-DDE	0.10	U
72-20-8	Endrin	0.10	U
33213-65-9	Endosulfan II	0.10	U
72-54-8	4,4'-DID	0.10	U
1031-07-8	Endosulfan sulfate	0.10	U
50-29-3	4,4'-DDT	0.10	U
72-43-5	Methoxychlor	0.50	U
53494-70-5	Endrin ketone	0.10	U
7421-93-4	Endrin aldehyde	0.10	U
57-74-9	Chlordane	1.0	U
8001-35-2	Toxaphene	5.0	U

*Cutfall 001
Sampled 3-7-03
Grab Sample*

16234-001

Lab Name: H2MLABS, INC. Contract: _____
 Lab Code: 10478 Case No.: BNLS SAS No.: _____ SDG No.: BNLS728
 Matrix: (soil/water) Aqueous Lab Sample ID: 0303024-001D
 Sample wt/vol: 1000 (g/mL) ML Lab File ID: B00136.RAW
 Level: (low/med) LOW Date Received: 3/3/03
 % Moisture: not dec. Date Extracted: 3/7/03
 GC Column: R-35 ID: .53 (mm) Date Analyzed: 3/12/03
 Extract Volume: 10000 (µl) Dilution Factor: 1.00
 Injection Volume: 0.5 (µl)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	µg/L	Q
94-75-7	2,4-D		0.5	U
93-72-1	2,4,5-TP (Silvex)		0.3	U
1918-00-9	Dicamba		0.2	U
93-76-5	2,4,5-T		0.3	U
88-85-7	Dinoseb		0.2	U

Outfall 001
 Sampled 3-3-03
 24-hr. composite

16244-001

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BNLS SAS No.: _____ SDG No.: BNLS728

Matrix: (soil/water) Aqueous Lab Sample ID: 0303100-001D

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A00137.RAW

Level: (low/med) LOW Date Received: 3/5/03

% Moisture: not dec. Date Extracted: 3/7/03

GC Column: R-CLP ID: .53 (mm) Date Analyzed: 3/12/03

Extract Volume: 10000 (μ l) Dilution Factor: 1.00

Injection Volume: 0.5 (μ l)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	μ g/L	Q
94-75-7	2,4-D		0.5	U
93-72-1	2,4,5-TP (Silvex)		0.3	U
1918-00-9	Dicamba		0.2	U
93-76-5	2,4,5-T		0.3	U
88-85-7	Dinoseb		0.2	U

Outfall 001
 Sampled 3-5-03
 24 Hr. Composite

16252-001

Lab Name: H2MLABS, INC. Contract: _____

Lab Code: 10478 Case No.: BNLS SAS No.: _____ SDG No.: BNLS728

Matrix: (soil/water) Aqueous Lab Sample ID: 0303171-001D

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A00138.RAW

Level: (low/med) LOW Date Received: 3/7/03

% Moisture: not dec. Date Extracted: 3/7/03

GC Column: R-CLP ID: .53 (mm) Date Analyzed: 3/12/03

Extract Volume: 10000 (μ l) Dilution Factor: 1.00

Injection Volume: 0.5 (μ l)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg)	μ g/L	Q
94-75-7	2,4-D		0.5	U
93-72-1	2,4,5-TP (Silvex)		0.3	U
1918-00-9	Dicamba		0.2	U
93-76-5	2,4,5-T		0.3	U
88-85-7	Dinoseb		0.2	U

Outfall 001
 Sampled 3-7-03
 24 Hr. Composite

IE
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

16234-002LL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BNLS SAS No.: _____ SDG No.: BNLS728

Matrix: (soil/water) WATER Lab Sample ID: 0303024-002D

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A22322.RAW

% Moisture: _____ Decanted: (Y/N) N Date Received: 03/03/03

Extraction: (Type) _____ CONT Date Extracted: 03/10/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/12/03

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	Q
12674-11-2	Aroclor 1016	0.065	U
11104-28-2	Aroclor 1221	0.065	U
11141-16-5	Aroclor 1232	0.065	U
53469-21-9	Aroclor 1242	0.065	U
12672-29-6	Aroclor 1248	0.065	U
11097-69-1	Aroclor 1254	0.065	U
11096-82-5	Aroclor 1260	0.065	U

*Outfall 001
Sampled 3-3-03
Grab Sample*

IE
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

16244-002LL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BNLS SAS No.: _____ SDG No.: BNLS728

Matrix: (soil/water) WATER Lab Sample ID: 0303100-002D

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A22323.RAW

% Moisture: _____ Decanted: (Y/N) N Date Received: 03/05/03

Extraction: (Type) _____ CONT Date Extracted: 03/10/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/12/03

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	Q
12674-11-2	Aroclor 1016	0.065	U
11104-28-2	Aroclor 1221	0.065	U
11141-16-5	Aroclor 1232	0.065	U
53469-21-9	Aroclor 1242	0.065	U
12672-29-6	Aroclor 1248	0.065	U
11097-69-1	Aroclor 1254	0.065	U
11096-82-5	Aroclor 1260	0.065	U

*Outfall 001
Sampled 3-5-03
Grab Sample*

IE
PESTICIDE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

16252-002LL

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BNLS SAS No.: _____ SDG No.: BNLS728

Matrix: (soil/water) WATER Lab Sample ID: 0303171-002D

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A22324.RAW

% Moisture: _____ Decanted: (Y/N) N Date Received: 03/07/03

Extraction: (Type) _____ CONT Date Extracted: 03/10/03

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 03/12/03

Injection Volume: 0.5 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____ Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) <u>UG/L</u>	Q
12674-11-2	Aroclor 1016	0.065	U
11104-28-2	Aroclor 1221	0.065	U
11141-16-5	Aroclor 1232	0.065	U
53469-21-9	Aroclor 1242	0.065	U
12672-29-6	Aroclor 1248	0.065	U
11097-69-1	Aroclor 1254	0.065	U
11096-82-5	Aroclor 1260	0.065	U

*Outfall 001
Sampled 3-7-03
Grab Sample*

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 : Sal Scarpitta

Lab No. : 0303024-001

Sample Information...

Type : Aqueous

Origin:

Client ID. : 16234-001

Collected 3/3/2003 10:40:00 AM
Received 3/3/2003 3:40:00 PM
Collected By CLIENT
Copies To Bob Lee

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Biochemical Oxygen Demand	< 2	mg/L	E405.1	3/5/2003 4:02:00 PM
Nitrogen, Total	6.3	mg/L	M4500-N C	3/13/2003
Nitrogen, Ammonia (As N)	0.40	mg/L	E350.1	3/13/2003 6:13:55 PM
Nitrite as N	0.05	mg/L	E353.2	3/4/2003 5:26:46 PM
Nitrate as N	5.34	mg/L	E353.2	3/13/2003 1:29:29 PM
Phosphorus, Total (As P)	1.57	mg/L	E365.2	3/10/2003 3:32:00 PM
Nitrogen, Kjeldahl, Total	0.99	mg/L	E351.2	3/11/2003 4:08:51 PM
Suspended Solids (Residue, Non-Filterable)	4	mg/L	E160.2	3/5/2003 8:20:00 AM

Outfall 001
Sampled 3-3-03
24 Hr. Composite

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

Date Reported : 3/25/2003

Joann M. Slavin

Laboratory Manager

LABORATORY RESULTSBrookhaven National Lab.-BNLS
70 Bell Ave.
Upton, NY 11973
Attn To : Sal ScarpittaLab No. : **0303100-001**Sample Information...
Type : Aqueous

Origin:

Client ID. : 16244-001

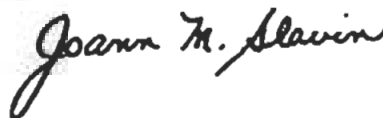
Collected 3/5/2003 10:00:00 AM
Received 3/5/2003 3:30:00 PM
Collected By CLIENT
Copies To Bob Lee

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Biochemical Oxygen Demand	< 2	mg/L	E405.1	3/6/2003 5:11:00 PM
Nitrogen, Total	6.7	mg/L	M4500-N C	3/13/2003
Nitrogen, Ammonia (As N)	< 0.10	mg/L	E350.1	3/13/2003 6:16:19 PM
Nitrite as N	< 0.01	mg/L	E353.2	3/6/2003 12:29:20 PM
Nitrate as N	6.12	mg/L	E353.2	3/13/2003 1:31:30 PM
Phosphorus, Total (As P)	1.28	mg/L	E365.2	3/10/2003 3:35:00 PM
Nitrogen, Kjeldahl, Total	0.61	mg/L	E351.2	3/11/2003 3:22:56 PM
Suspended Solids (Residue, Non-Filterable)	< 4	mg/L	E160.2	3/7/2003 10:32:00 AM

Outfall 001
Sampled 3-5-03
24 Hr. Composite

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

Date Reported : 3/25/2003



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 : Sal Scarpitta

Lab No. : 0303171-001

Sample Information...

Type : Aqueous

Origin:

Client ID. : 16252-001

Collected 3/7/2003 10:20:00 AM
Received 3/7/2003 3:55:00 PM
Collected By CLIENT
Copies To Bob Lee

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Biochemical Oxygen Demand	2	mg/L	E405.1	3/8/2003 5:13:00 PM
Nitrogen, Total	8.0	mg/L	M4500-N C	3/13/2003
Nitrogen, Ammonia (As N)	< 0.10	mg/L	E350.1	3/15/2003 12:10:07 PM
Nitrite as N	0.02	mg/L	E353.2	3/8/2003 11:13:14 AM
Nitrate as N	7.31	mg/L	E353.2	3/13/2003 1:32:09 PM
Phosphorus, Total (As P)	1.24	mg/L	E365.2	3/10/2003 3:36:00 PM
Nitrogen, Kjeldahl, Total	0.69	mg/L	E351.2	3/11/2003 3:25:00 PM
Suspended Solids (Residue, Non-Filterable)	< 4	mg/L	E160.2	3/12/2003 12:20:00 PM

Outfall 001
Sampled 3-7-03
24 Hr. Composite

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

Date Reported : 3/25/2003

Joann M. Slavin

Laboratory Manager

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

16234-002

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.:

SDG No.: BNLS728

Matrix (soil/water): WATER

Lab Sample ID: 0303024-002

Level (low/med): LOW

Date Received: 3/3/2003

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	10	U		CA

*Outfall 001
 Sampled 3-3-03
 Grab Sample*

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

16244-002

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.:

SDG No.: BNLS728

Matrix (soil/water): WATER

Lab Sample ID: 0303100-002

Level (low/med): LOW

Date Received: 3/5/2003

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	10	U		CA

*Outfall 001
Sampled 3-5-03
Grab Sample*

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

16252-002

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.:

SDG No.: BNLS728

Matrix (soil/water): WATER

Lab Sample ID: 0303171-002

Level (low/med): LOW

Date Received: 3/7/2003

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	10	U		CA

*Cutoff 001
Sampled 3/7/03
Grab Sample*

Comments:

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 : Sal Scarpitta

Lab No. : 0303024-002

Sample Information...

Type : Aqueous

Origin:

Client ID. : 16234-002

Collected 3/3/2003 2:00:00 PM
Received 3/3/2003 3:40:00 PM
Collected By CLIENT
Copies To Bob Lee

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Fecal Coliform	< 2	MPN	M9221 C	3/3/2003 4:00:00 PM

Outfall 001
Sampled 3-3-03
Grab Sample

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

Date Reported : 3/25/2003

Joann M. Slavin

Laboratory Manager

LABORATORY RESULTS

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

Lab No. : **0303100-002**

Sample Information...

Type : Aqueous

Origin:

Client ID. : 16244-002

Collected 3/5/2003 1:55:00 PM
Received 3/5/2003 3:30:00 PM
Collected By CLIENT
Copies To Bob Lee

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Fecal Coliform	< 2	MPN	M9221 C	3/5/2003 4:00:00 PM

*Outfall 001
Sampled 3-5-03
Grab Sample*

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

Date Reported : 3/25/2003

Joann M. Slavin

Laboratory Manager

LABORATORY RESULTS

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

Lab No. : 0303171-002

Sample Information...
Type : Aqueous

Origin:

Client ID. : 16252-002

Collected 3/7/2003 1:45:00 PM
Received 3/7/2003 3:55:00 PM
Collected By CLIENT
Copies To Bob Lee

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Fecal Coliform	< 2	MPN	M9221 C	3/7/2003 4:15:00 PM

*Outfall 001
Sampled 3-7-03
Grab Sample*

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

Date Reported : 3/25/2003

Joanne M. Slavin

Laboratory Manager

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

16234-001

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478 Case No.

SAS No.:

SDG No.: BNLS728

Matrix (soil/water): WATER

Lab Sample ID: 0303024-001

Level (low/med): LOW

Date Received: 3/3/2003

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	210			P
7440-36-0	Antimony	2.2	U		P
7440-38-2	Arsenic	2.2	B		P
7440-39-3	Barium	19.7	B		P
7440-41-7	Beryllium	0.15	B		P
7440-43-9	Cadmium	0.40	B		P
7440-70-2	Calcium	10200			P
7440-47-3	Chromium	3.3	B		P
7440-48-4	Cobalt	0.77	B		P
7440-50-8	Copper	44.1		E	P
7439-89-6	Iron	390			P
7439-92-1	Lead	5.8			P
7439-95-4	Magnesium	2700	B		P
7439-96-5	Manganese	14.2	B		P
7439-97-6	Mercury	0.24			CV
7440-02-0	Nickel	3.8	B		P
7440-09-7	Potassium	3980	B	E	P
7782-49-2	Selenium	2.2	U		P
7440-22-4	Silver	3.0	B		P
7440-23-5	Sodium	35000			P
7440-28-0	Thallium	2.3	U		P
7440-62-2	Vanadium	4.0	B		P
7440-66-6	Zinc	60.8		E	P

*outfall 001
Sampled 3/3/03
24 Hr. Composite*

Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

16244-001

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.:

SDG No.: BNLS728

Matrix (soil/water): WATER

Lab Sample ID: 0303100-001

Level (low/med): LOW

Date Received: 3/5/2003

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	70.6	B		P
7440-36-0	Antimony	2.2	U		P
7440-38-2	Arsenic	1.2	U		P
7440-39-3	Barium	19.2	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.10	U		P
7440-70-2	Calcium	12800			P
7440-47-3	Chromium	1.7	B		P
7440-48-4	Cobalt	0.60	U		P
7440-50-8	Copper	46.8		E	P
7439-89-6	Iron	229			P
7439-92-1	Lead	2.6	B		P
7439-95-4	Magnesium	3450	B		P
7439-96-5	Manganese	8.6	B		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	3.6	B		P
7440-09-7	Potassium	4270	B	E	P
7782-49-2	Selenium	2.2	U		P
7440-22-4	Silver	1.2	B		P
7440-23-5	Sodium	31800			P
7440-28-0	Thallium	2.3	U		P
7440-62-2	Vanadium	1.9	B		P
7440-66-6	Zinc	72.8		E	P

*Cutoff w/
Sampled 3-5-03
24 Hr. Composite*

Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

16252-001

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.:

SDG No.: BNLS728

Matrix (soil/water): WATER

Lab Sample ID: 0303171-001

Level (low/med): LOW

Date Received: 3/7/2003

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	45.9	B		P
7440-36-0	Antimony	2.2	U		P
7440-38-2	Arsenic	1.2	U		P
7440-39-3	Barium	17.0	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.21	B		P
7440-70-2	Calcium	11300			P
7440-47-3	Chromium	1.5	B		P
7440-48-4	Cobalt	0.60	U		P
7440-50-8	Copper	35.6		E	P
7439-89-6	Iron	153			P
7439-92-1	Lead	1.9	B		P
7439-95-4	Magnesium	3100	B		P
7439-96-5	Manganese	5.1	B		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	2.7	B		P
7440-09-7	Potassium	3770	B	E	P
7782-49-2	Selenium	2.2	U		P
7440-22-4	Silver	0.90	B		P
7440-23-5	Sodium	30800			P
7440-28-0	Thallium	2.3	U		P
7440-62-2	Vanadium	1.6	B		P
7440-66-6	Zinc	69.1		E	P

*Outfall 001
Sampled 3-7-03
24 Hr. Composite*

Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

16252-002

Lab Name: H2M LABS, INC. Contract: _____
 Lab Code: 10478 Case No.: BNLS SAS No.: _____ SDG No.: BNLS728
 Matrix: (soil/water) WATER Lab Sample ID: 0303171-002A
 Sample wt/vol: 5 (g/mL) ML Lab File ID: 03\W1383.D
 Level: (low/med) LOW Date Received: 03/07/03
 % Moisture: not dec. Date Analyzed: 03/10/03
 GC Column: R-502.2 ID: .53 (mm) Dilution Factor: 1.00
 Soil Extract Volume: _____ (µL) Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
67-64-1	Acetone		5.3	B
75-35-4	1,1-Dichloroethene		1	U
75-09-2	Methylene chloride		4.5	U
75-15-0	Carbon disulfide		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
108-05-4	Vinyl acetate		1	U
75-34-3	1,1-Dichloroethane		1	U
78-93-3	2-Butanone		5	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon tetrachloride		1	U
71-43-2	Benzene		1	U

Outfall 001
Sampled 3-7-03
Grab Sample

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

16252-002

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: BNLS

SAS No.: _____

SDG No.: BNLS728

Matrix: (soil/water) WATER

Lab Sample ID: 0303171-002A

Sample wt/vol: 5 (g/mL) ML

Lab File ID: 03\W1383.D

Level: (low/med) LOW

Date Received: 03/07/03

% Moisture: not dec.

Date Analyzed: 03/10/03

GC Column: R-502.2 ID: .53 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	UG/L	Q
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
110-75-8	2-Chloroethylvinyl ether		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
100-41-4	Ethylbenzene		1	U
124-48-1	Dibromochloromethane		1	U
75-25-2	Bromoform		1	U
108-10-1	4-Methyl-2-pentanone		5	U
591-78-6	2-Hexanone		5	U
108-88-3	Toluene		1	U
127-18-4	Tetrachloroethene		1	U
108-90-7	Chlorobenzene		1	U
1330-20-7	Xylene (total)		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
95-50-1	1,2-Dichlorobenzene		1	U

Outfall 001
Sampled 3-7-03
Grab Sample

VOLATILE ORGANICS ANALYSIS DATA SHEET

16244-002

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: BNLS

SAS No.: _____

SDG No.: BNLS728Matrix: (soil/water) WATERLab Sample ID: 0303100-002ASample wt/vol: 5 (g/mL) MLLab File ID: 03\W1369.DLevel: (low/med) LOWDate Received: 03/05/03

% Moisture: not dec.

Date Analyzed: 03/06/03GC Column: R-502.2 ID: .53 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
67-64-1	Acetone		5	U
75-35-4	1,1-Dichloroethene		1	U
75-09-2	Methylene chloride		1	U
75-15-0	Carbon disulfide		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
108-05-4	Vinyl acetate		1	U
75-34-3	1,1-Dichloroethane		1	U
78-93-3	2-Butanone		5	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon tetrachloride		1	U
71-43-2	Benzene		1	U

cutfall 001
 Sampled 3-5-03
 Grab Sample

VOLATILE ORGANICS ANALYSIS DATA SHEET

16244-002

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: BNLS

SAS No.: _____

SDG No.: BNLS728Matrix: (soil/water) WATERLab Sample ID: 0303100-002ASample wt/vol: 5 (g/mL) MLLab File ID: 03\W1369.DLevel: (low/med) LOWDate Received: 03/05/03

% Moisture: not dec.

Date Analyzed: 03/06/03GC Column: R-502.2 ID: .53 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	UG/L	Q
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
110-75-8	2-Chloroethylvinyl ether		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
100-41-4	Ethylbenzene		1	U
124-48-1	Dibromochloromethane		1	U
75-25-2	Bromoform		1	U
108-10-1	4-Methyl-2-pentanone		5	U
591-78-6	2-Hexanone		5	U
108-88-3	Toluene		1	U
127-18-4	Tetrachloroethene		1	U
108-90-7	Chlorobenzene		1	U
1330-20-7	Xylene (total)		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
95-50-1	1,2-Dichlorobenzene		1	U

cutfall 001
 Sampled 3-5-03
 Grab Sample

VOLATILE ORGANICS ANALYSIS DATA SHEET

16234-002

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: BNLS

SAS No.: _____

SDG No.: BNLS728Matrix: (soil/water) WATERLab Sample ID: 0303024-002ASample wt/vol: 5 (g/mL) MLLab File ID: 03\W1365.DLevel: (low/med) LOWDate Received: 03/03/03

% Moisture: not dec.

Date Analyzed: 03/06/03GC Column: R-502.2 ID: .53 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
67-64-1	Acetone		5	U
75-35-4	1,1-Dichloroethene		1	U
75-09-2	Methylene chloride		1	U
75-15-0	Carbon disulfide		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
108-05-4	Vinyl acetate		1	U
75-34-3	1,1-Dichloroethane		1	U
78-93-3	2-Butanone		5	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon tetrachloride		1	U
71-43-2	Benzene		1	U

Outfall 001
 Sampled 3-3-03
 Grab Sample

VOLATILE ORGANICS ANALYSIS DATA SHEET

16234-002

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: BNLS

SAS No.: _____

SDG No.: BNLS728Matrix: (soil/water) WATERLab Sample ID: 0303024-002ASample wt/vol: 5 (g/mL) MLLab File ID: 03\W1365.DLevel: (low/med) LOWDate Received: 03/03/03

% Moisture: not dec.

Date Analyzed: 03/06/03GC Column: R-502.2 ID: .53 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	UG/L	Q
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
110-75-8	2-Chloroethylvinyl ether		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
100-41-4	Ethylbenzene		1	U
124-48-1	Dibromochloromethane		1	U
75-25-2	Bromoform		1	U
108-10-1	4-Methyl-2-pentanone		5	U
591-78-6	2-Hexanone		5	U
108-88-3	Toluene		1	U
127-18-4	Tetrachloroethene		1	U
108-90-7	Chlorobenzene		1	U
1330-20-7	Xylene (total)		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
95-50-1	1,2-Dichlorobenzene		1	U

Outfall 001
 Sampled 3-3-03
 Grab Sample

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 : Sal Scarpitta

Lab No. : 0303024-003

Sample Information...
Type : Aqueous

Origin:

Client ID. : 16234-003

Collected 3/3/2003 11:00:00 AM
Received 3/3/2003 3:40:00 PM
Collected By CLIENT
Copies To Bob Lee

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Biochemical Oxygen Demand	84	mg/L	E405.1	3/5/2003 4:04:00 PM
Suspended Solids (Residue, Non-Filterable)	172	mg/L	E160.2	3/5/2003 8:30:00 AM

STP Influent
Sampled 3-3-03
24 Hr. Composite

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

Date Reported : 3/25/2003

Joann M. Slavin

Laboratory Manager

LABORATORY RESULTSBrookhaven National Lab.-BNLS
70 Bell Ave.
Upton, NY 11973
Attn To : Sal Scarpitta

Lab No. : 0303100-003

Sample Information...

Type : Aqueous

Origin:

Client ID. : 16244-003

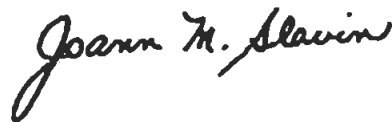
Collected 3/5/2003 10:30:00 AM
Received 3/5/2003 3:30:00 PM
Collected By CLIENT
Copies To Bob Lee

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Biochemical Oxygen Demand	53	mg/L	E405.1	3/6/2003 5:12:00 PM
Suspended Solids (Residue, Non-Filterable)	77	mg/L	E160.2	3/7/2003 10:33:00 AM

STP Influent
Sampled 3-5-03
24 Hr. Composite

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

Date Reported : 3/25/2003



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 : Sal Scarpitta

Lab No. : 0303171-003

Sample Information...

Type : Aqueous

Origin:

Client ID. : 16252-003

Collected 3/7/2003 11:20:00 AM
Received 3/7/2003 3:55:00 PM
Collected By CLIENT
Copies To Bob Lee

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Biochemical Oxygen Demand	27	mg/L	E405.1	3/8/2003 5:14:00 PM
Suspended Solids (Residue, Non-Filterable)	48	mg/L	E160.2	3/12/2003 12:25:00 PM

STP Influent
Sampled 3-7-03
24 Hr. Composite

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

Date Reported : 3/25/2003

Joann M. Slavin

Laboratory Manager

ATTACHMENT IV
BROOKHAVEN NATIONAL LABORATORY
SPDES PERMIT NO. NY0005835
DISCHARGE MONITORING REPORT FOR MARCH 2003
ANALYTICAL RESULTS FROM H2M LABS INC.
FOR REGULATORY COMPLIANCE SAMPLES COLLECTED
FROM OUTFALLS 002, 002B, 005, 006A, 006B, 008, AND 010

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

15843-001

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: BNLS

SAS No.: _____

SDG No.: BNLS716Matrix: (soil/water) WATERLab Sample ID: 0301207-001BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C22537.DLevel: (low/med) LOWDate Received: 01/09/03% Moisture: Decanted: (Y/N) NDate Extracted: 01/09/03Concentrated Extract Volume: 1000 (µL)Date Analyzed: 01/15/03

Injection Volume: (µL)

Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	UG/L	Q
62-75-9	N-Nitrosodimethylamine	10		U
108-95-2	Phenol	10		U
111-44-4	Bis(2-chloroethyl) ether	10		U
95-57-8	2-Chlorophenol	10		U
541-73-1	1,3-Dichlorobenzene	10		U
106-46-7	1,4-Dichlorobenzene	10		U
95-50-1	1,2-Dichlorobenzene	10		U
108-60-1	2,2'-oxybis(1-Chloropropane)	10		U
621-64-7	N-Nitroso-di-n-propylamine	10		U
67-72-1	Hexachloroethane	10		U
98-95-3	Nitrobenzene	10		U
78-59-1	Isophorone	10		U
88-75-5	2-Nitrophenol	25		U
105-67-9	2,4-Dimethylphenol	10		U
111-91-1	Bis(2-chloroethoxy) methane	10		U
120-83-2	2,4-Dichlorophenol	10		U
120-82-1	1,2,4-Trichlorobenzene	10		U
91-20-3	Naphthalene	10		U
87-68-3	Hexachlorobutadiene	10		U
59-50-7	4-Chloro-3-methylphenol	10		U
77-47-4	Hexachlorocyclopentadiene	10		U
88-06-2	2,4,6-Trichlorophenol	10		U
91-58-7	2-Chloronaphthalene	10		U
131-11-3	Dimethylphthalate	10		U
208-96-8	Acenaphthylene	10		U
606-20-2	2,6-Dinitrotoluene	10		U
83-32-9	Acenaphthene	10		U
51-28-5	2,4-Dinitrophenol	25		U
100-02-7	4-Nitrophenol	25		U
121-14-2	2,4-Dinitrotoluene	10		U
84-66-2	Diethylphthalate	10		U
86-73-7	Fluorene	10		U
7005-72-3	4-Chlorophenyl-phenylether	10		U
534-52-1	4,6-Dinitro-2-methylphenol	25		U
86-30-6	N-Nitrosodiphenylamine	10		U
101-55-3	4-Bromophenyl-phenylether	10		U

Outfall 001A
 Sampled 1-7-03
 Grab Sample

1D
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

15843-001

Lab Name: H2M LABS, INC. Contract: _____

Lab Code: 10478 Case No.: BNLS SAS No.: _____ SDG No.: BNLS716

Matrix: (soil/water) WATER Lab Sample ID: 0301207-001B

Sample wt/vol: 1000 (g/mL) ML Lab File ID: A\C22537.D

Level: (low/med) LOW Date Received: 01/09/03

% Moisture: Decanted: (Y/N) N Date Extracted: 01/09/03

Concentrated Extract Volume: 1000 (µL) Date Analyzed: 01/15/03

Injection Volume: (µL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _____ Extraction: (Type) SEPF

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg) UG/L	Q
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
56-55-3	Benzo(a)anthracene	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	2	J
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

15886-001

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.:

SDG No.: BNLS720

Matrix (soil/water): WATER

Lab Sample ID: 0301396-001

Level (low/med): LOW

Date Received: 1/17/2003

* Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	61.0	B		P
7440-36-0	Antimony	3.1	U		P
7440-38-2	Arsenic	4.5	U		P
7440-39-3	Barium	1.4	B		P
7440-41-7	Beryllium	0.40	U		P
7440-43-9	Cadmium	0.50	U		P
7440-70-2	Calcium	86.3	B		P
7440-47-3	Chromium	4.8	B		P
7440-48-4	Cobalt	1.0	U		P
7440-50-8	Copper	12.7	B		P
7439-89-6	Iron	142			P
7439-92-1	Lead	4.0			P
7439-95-4	Magnesium	27.0	B		P
7439-96-5	Manganese	2.9	B		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	3.2	B		P
7440-09-7	Potassium	56	U		P
7782-49-2	Selenium	2.4	U		P
7440-22-4	Silver	1.0	U		P
7440-23-5	Sodium	2200	B		P
7440-28-0	Thallium	4.2	U		P
7440-62-2	Vanadium	0.60	U		P
7440-66-6	Zinc	9.9	B		P

*Outfall 001B
Sampled 1-17-03
Grab Sample*

Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

DATE REPORTED 1/22/03

VOLATILE ORGANICS ANALYSIS DATA SHEET

15886-001

Lab Name: H2M LABS. INC.

Contract: _____

Lab Code: 10478Case No.: BNLS

SAS No.: _____

SDG No.: BNLS720Matrix: (soil/water) WATERLab Sample ID: 0301396-001ASample wt/vol: 5 (g/mL) MLLab File ID: V\F11842.DLevel: (low/med) LOWDate Received: 01/17/03

% Moisture: not dec.

Date Analyzed: 01/25/03GC Column: HP-VOCOL ID: .2 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
67-64-1	Acetone		2	J
75-35-4	1,1-Dichloroethene		1	U
75-09-2	Methylene chloride		1	U
75-15-0	Carbon disulfide		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
108-05-4	Vinyl acetate		1	U
75-34-3	1,1-Dichloroethane		1	U
78-93-3	2-Butanone		5	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon tetrachloride		1	U
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
110-75-8	2-Chloroethylvinyl ether		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
100-41-4	Ethylbenzene		1	U
124-48-1	Dibromochloromethane		1	U
75-25-2	Bromoform		1	U
108-10-1	4-Methyl-2-pentanone		5	U
591-78-6	2-Hexanone		5	U
108-88-3	Toluene		1	U

Outfall ¹ ~~CA~~ ^{14.03} ~~AB~~
 Sampled 1-17-03
 Grab Sample

FORM I VOA - 1

OLM04.2

BNLS720 S24

VOLATILE ORGANICS ANALYSIS DATA SHEET

15886-001

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: BNLS

SAS No.: _____

SDG No.: BNLS720Matrix: (soil/water) WATERLab Sample ID: 0301396-001ASample wt/vol: 5 (g/mL) MLLab File ID: V\F11842.DLevel: (low/med) LOWDate Received: 01/17/03

% Moisture: not dec.

Date Analyzed: 01/25/03GC Column: HP-VOCOL ID: .2 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	UG/L	Q
127-18-4	Tetrachloroethene		1	U
108-90-7	Chlorobenzene		1	U
1330-20-7	Xylene (total)		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
95-50-1	1,2-Dichlorobenzene		1	U

Cutaway 001B
 Sampled 1-17-03
 Grab Sample

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

15886-001

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: BNLS

SAS No.: _____

SDG No.: BNLS720Matrix: (soil/water) WATERLab Sample ID: 0301396-001BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C22566.DLevel: (low/med) LOWDate Received: 01/17/03% Moisture: Decanted: (Y/N) NDate Extracted: 01/23/03Concentrated Extract Volume: 1000 (µL)Date Analyzed: 01/24/03

Injection Volume: (µL)

Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____

Extraction: (Type)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	UG/L	Q
62-75-9	N-Nitrosodimethylamine	10		U
108-95-2	Phenol	10		U
111-44-4	Bis(2-chloroethyl) ether	10		U
95-57-8	2-Chlorophenol	10		U
541-73-1	1,3-Dichlorobenzene	10		U
106-46-7	1,4-Dichlorobenzene	10		U
95-50-1	1,2-Dichlorobenzene	10		U
108-60-1	2,2'-oxybis(1-Chloropropane)	10		U
621-64-7	N-Nitroso-di-n-propylamine	10		U
67-72-1	Hexachloroethane	10		U
98-95-3	Nitrobenzene	10		U
78-59-1	Isophorone	10		U
88-75-5	2-Nitrophenol	25		U
105-67-9	2,4-Dimethylphenol	10		U
111-91-1	Bis(2-chloroethoxy)methane	10		U
120-83-2	2,4-Dichlorophenol	10		U
120-82-1	1,2,4-Trichlorobenzene	10		U
91-20-3	Naphthalene	10		U
87-68-3	Hexachlorobutadiene	10		U
59-50-7	4-Chloro-3-methylphenol	10		U
77-47-4	Hexachlorocyclopentadiene	10		U
88-06-2	2,4,6-Trichlorophenol	10		U
91-58-7	2-Chloronaphthalene	10		U
131-11-3	Dimethylphthalate	10		U
208-96-8	Acenaphthylene	10		U
606-20-2	2,6-Dinitrotoluene	10		U
83-32-9	Acenaphthene	10		U
51-28-5	2,4-Dinitrophenol	25		U
100-02-7	4-Nitrophenol	25		U
121-14-2	2,4-Dinitrotoluene	10		U
84-66-2	Diethylphthalate	10		U
86-73-7	Fluorene	10		U
7005-72-3	4-Chlorophenyl-phenylether	10		U
534-52-1	4,6-Dinitro-2-methylphenol	25		U
86-30-6	N-Nitrosodiphenylamine	10		U
101-55-3	4-Bromophenyl-phenylether	10		U

Cutfall OC1B
 Sampled 1-17-03
 Grab Sample

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

15886-001

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: BNLS

SAS No.: _____

SDG No.: BNLS720Matrix: (soil/water) WATERLab Sample ID: 0301396-001BSample wt/vol: 1000 (g/mL) MLLab File ID: A\C22566.DLevel: (low/med) LOWDate Received: 01/17/03% Moisture: Decanted: (Y/N) NDate Extracted: 01/23/03Concentrated Extract Volume: 1000 (μ L)Date Analyzed: 01/24/03Injection Volume: (μ L)Dilution Factor: 1.00GPC Cleanup: (Y/N) N pH: _____

Extraction: (Type)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(μ g/L or μ g/Kg) UG/L	Q
118-74-1	Hexachlorobenzene	10	U
87-86-5	Pentachlorophenol	25	U
85-01-8	Phenanthrene	10	U
120-12-7	Anthracene	10	U
84-74-2	Di-n-butyl phthalate	10	U
206-44-0	Fluoranthene	10	U
129-00-0	Pyrene	10	U
85-68-7	Butyl benzyl phthalate	10	U
56-55-3	Benzo(a)anthracene	10	U
91-94-1	3,3'-Dichlorobenzidine	20	U
218-01-9	Chrysene	10	U
117-81-7	Bis(2-ethylhexyl)phthalate	10	U
117-84-0	Di-n-octyl phthalate	10	U
205-99-2	Benzo(b)fluoranthene	10	U
207-08-9	Benzo(k)fluoranthene	10	U
50-32-8	Benzo(a)pyrene	10	U
193-39-5	Indeno(1,2,3-cd)pyrene	10	U
53-70-3	Dibenzo(a,h)anthracene	10	U
191-24-2	Benzo(g,h,i)perylene	10	U

Outfall 001B
 Sampled 1-17-03
 Grab Sample

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 : S. Scarpitta

Lab No. : 0301089-007

Sample Information...
Type : Aqueous

Origin:

Client ID. : 15840-007

Collected 1/6/2003 2:00:00 PM
Received 1/6/2003 3:30:00 PM
Collected By CLIENT
Copies To Bob Lee

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Nitrogen, Total	10.7	mg/L	M4500-N C	1/16/2003
Nitrogen, Nitrate-Nitrite	0.17	mg/L	E353.2	1/13/2003 1:40:24 PM
Nitrogen, Ammonia (As N)	10.6	mg/L	E350.1	1/14/2003 4:21:06 PM
Phenolics, Total Recoverable	< 5.0	µg/L	E420.1	1/14/2003 8:40:00 AM
Nitrogen, Kjeldahl, Total	10.5	mg/L	E351.2	1/16/2003 4:07:36 PM

Outfall 001D
Sampled 1-6-03
Grab Sample
Rm. 1-93B

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

Date Reported : 1/21/2003

Joann M. Alavin

Laboratory Manager

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

15840-007

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478 Case No.

SAS No.:

SDG No.: BNLS715

Matrix (soil/water): WATER

Lab Sample ID: 0301089-007

Level (low/med): LOW

Date Received: 1/6/2003

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
57-12-5	Cyanide	10	U		CA
7440-22-4	Silver	75.9			P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Outfall 001B
Sampled 1-6-03
Grab Sample
Rm. 1-93B

Comments:

DATE REPORTED 1/21/03

LABORATORY RESULTS

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

Lab No. : 0303105-003

Sample Information...

Type : Aqueous

Origin:

Client ID. : 16240-003

Collected . 3/4/2003 10:47:00 AM
Received 3/5/2003 3:30:00 PM
Collected By CLIENT
Copies To Bob Lee

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Hexane Extr. Material (O&G)	< 5.0	mg/L	E1664A	3/6/2003 8:45:00 AM

Outfall 002
Sampled 3-4-03
Grab Sample

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

Date Reported : 3/10/2003

Joann M. Slavin

Laboratory Manager

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

15840-003

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.:

SDG No.: BNLS715

Matrix (soil/water): WATER

Lab Sample ID: 0301089-003

Level (low/med): LOW

Date Received: 1/6/2003

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	463			P
7440-36-0	Antimony	3.4	U		P
7440-38-2	Arsenic	1.8	U		P
7440-39-3	Barium	30.7	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.16	B		P
7440-70-2	Calcium	11800			P
7440-47-3	Chromium	1.1	B		P
7440-48-4	Cobalt	0.60	U		P
7440-50-8	Copper	25.8			P
7439-89-6	Iron	772		E	P
7439-92-1	Lead	3.6			P
7439-95-4	Magnesium	3950	B		P
7439-96-5	Manganese	28.6			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	1.4	B		P
7440-09-7	Potassium	1770	B		P
7782-49-2	Selenium	2.6	U		P
7440-22-4	Silver	0.80	U		P
7440-23-5	Sodium	75100			P
7440-28-0	Thallium	2.5	U		P
7440-62-2	Vanadium	1.3	B		P
7440-66-6	Zinc	107			P

*Outfall 002
Sampled 1-6-03
Grab Sample
Total (Unfiltered)*

Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

Comments:

DATE REPORTED 1/21/03

VOLATILE ORGANICS ANALYSIS DATA SHEET

15840-003

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: BNLS

SAS No.: _____

SDG No.: BNLS715Matrix: (soil/water) WATERLab Sample ID: 0301089-003BSample wt/vol: 5 (g/mL) MLLab File ID: V\F11753.DLevel: (low/med) LOWDate Received: 01/06/03

Moisture: not dec.

Date Analyzed: 01/11/03GC Column: HP-VOCOL ID: .2 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
67-64-1	Acetone		2	J
75-35-4	1,1-Dichloroethene		1	U
75-09-2	Methylene chloride		1	U
75-15-0	Carbon disulfide		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
108-05-4	Vinyl acetate		1	U
75-34-3	1,1-Dichloroethane		1	U
78-93-3	2-Butanone		5	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon tetrachloride		1	U
71-43-2	Benzene		1	U
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
110-75-8	2-Chloroethylvinyl ether		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
100-41-4	Ethylbenzene		1	U
124-48-1	Dibromochloromethane		1.5	
75-25-2	Bromoform		1.4	
108-10-1	4-Methyl-2-pentanone		5	U
591-78-6	2-Hexanone		5	U
108-88-3	Toluene		1	U

Outfall 002
 Sampled 1-6-03
 Grab Sample

FORM I VOA - 1

OLM04.2

BNLS715 S 26

1B
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

15840-003

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: BNLS

SAS No.: _____

SDG No.: BNLS715

Matrix: (soil/water) WATER

Lab Sample ID: 0301089-003B

Sample wt/vol: 5 (g/mL) ML

Lab File ID: V\F11753.D

Level: (low/med) LOW

Date Received: 01/06/03

% Moisture: not dec.

Date Analyzed: 01/11/03

GC Column: HP-VOCOL ID: .2 (mm)

Dilution Factor: 1.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	UG/L	Q
127-18-4	Tetrachloroethene		1	U
108-90-7	Chlorobenzene		1	U
1330-20-7	Xylene (total)		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
95-50-1	1,2-Dichlorobenzene		1	U

outfall 002
Sampled 1-6-03
Grab Sample

LABORATORY RESULTS

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

Lab No. : **0303105-006**

Sample Information...
Type : Aqueous

Origin:

Client ID. : 16240-006

Collected 3/4/2003 10:43:00 AM
Received 3/5/2003 3:30:00 PM
Collected By CLIENT
Copies To Bob Lee

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Hexane Extr. Material (O&G)	< 5.0	mg/L	E1664A	3/6/2003 8:40:00 AM

Outfall 002B
Sampled 3-4-03
Grab Sample

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

Date Reported : 3/10/2003

Joann M. Slavin

Laboratory Manager

LABORATORY RESULTS

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

Lab No. : 0303105-004

Sample Information...
Type : Aqueous

Origin:

Client ID. : 16240-004

Collected 3/4/2003 11:12:00 AM

Received 3/5/2003 3:30:00 PM

Collected By CLIENT

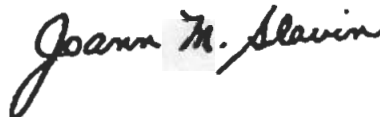
Copies To Bob Lee

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Hexane Extr. Material (O&G)	< 5.0	mg/L	E1664A	3/6/2003 9:00:00 AM

Outfall 005
Sampled 3-4-03
Grab Sample

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

Date Reported : 3/10/2003



Laboratory Manager

U.S. EPA - CLP

1

INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

15840-005

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.:

SDG No.: BNLS715

Matrix (soil/water): WATER

Lab Sample ID: 0301089-005

Level (low/med): LOW

Date Received: 1/6/2003

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7440-50-8	Copper	3.0	B		P

Color Before: COLORLESS Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS Clarity After: CLEAR

Artifacts: _____

*Outfall 005
Sampled 1-6-03
Grab Sample*

Comments:

DATE REPORTED 1/21/03

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX: (631) 420-8438 NYSDOH ID# 10478

LABORATORY RESULTS

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

Lab No. : 0303105-001

Sample Information...
Type : Aqueous

Origin:

Client ID. : 16240-001

Collected 3/4/2003 11:02:00 AM
Received 3/5/2003 3:30:00 PM
Collected By CLIENT
Copies To Bob Lee

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Hexane Extr. Material (O&G)	< 5.0	mg/L	E1664A	3/6/2003 8:55:00 AM

Outfall 006A
Sampled 3-4-03
Grab Sample

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

Date Reported : 3/10/2003

Joann M. Slavin

Laboratory Manager

LABORATORY RESULTS

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

Lab No. : 0303105-002

Sample Information...

Type : Aqueous

Origin:

Client ID. : 16240-002

Collected 3/4/2003 10:57:00 AM
Received 3/5/2003 3:30:00 PM
Collected By CLIENT
Copies To Bob Lee

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Hexane Extr. Material (O&G)	< 5.0	mg/L	E1664A	3/6/2003 8:50:00 AM

Outfall 006B
Sampled 3-4-03
Grab Sample

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

Date Reported : 3/10/2003

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 : S. Scarpiita

Lab No. : 0303109-001

Sample Information...
Type : Aqueous

Origin:

Client ID. : 16245-001

Collected 3/5/2003 9:25:00 AM
Received 3/5/2003 3:30:00 PM
Collected By CLIENT
Copies To Bob Lee

Parameter(s)	Results	Units	Method Number	Analyzed
Hexane Extr. Material (O&G)	< 5.0	mg/L	E1664A	3/6/2003 9:10:00 AM

Outfall 002
Sampled 3.5.03
Grab Sample

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

Date Reported : 3/18/2003

Joann M. Slavin

Laboratory Manager

VOLATILE ORGANICS ANALYSIS DATA SHEET

16245-001

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: BNLS

SAS No.: _____

SDG No.: BNLS731Matrix: (soil/water) WATERLab Sample ID: 0303109-001ASample wt/vol: 5 (g/mL) MLLab File ID: 03\W1385.DLevel: (low/med) LOWDate Received: 03/05/03

% Moisture: not dec.

Date Analyzed: 03/10/03GC Column: R-502.2 ID: .53 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	UG/L	Q
74-87-3	Chloromethane		1	U
75-01-4	Vinyl chloride		1	U
74-83-9	Bromomethane		1	U
75-00-3	Chloroethane		1	U
75-69-4	Trichlorofluoromethane		1	U
67-64-1	Acetone		6.6	B
75-35-4	1,1-Dichloroethene		1	U
75-09-2	Methylene chloride		4.4	U
75-15-0	Carbon disulfide		1	U
156-60-5	trans-1,2-Dichloroethene		1	U
156-59-2	cis-1,2-Dichloroethene		1	U
108-05-4	Vinyl acetate		1	U
75-34-3	1,1-Dichloroethane		1	U
78-93-3	2-Butanone		5	U
67-66-3	Chloroform		1	U
107-06-2	1,2-Dichloroethane		1	U
71-55-6	1,1,1-Trichloroethane		1	U
56-23-5	Carbon tetrachloride		1	U
71-43-2	Benzene		1	U

Outfall 008
 Sampled 3-5-03
 Grab Sample

VOLATILE ORGANICS ANALYSIS DATA SHEET

16245-001

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: BNLS

SAS No.: _____

SDG No.: BNLS731Matrix: (soil/water) WATERLab Sample ID: 0303109-001ASample wt/vol: 5 (g/mL) MLLab File ID: 03\W1385.DLevel: (low/med) LOWDate Received: 03/05/03

% Moisture: not dec.

Date Analyzed: 03/10/03GC Column: R-502.2 ID: .53 (mm)Dilution Factor: 1.00

Soil Extract Volume: _____ (µL)

Soil Aliquot Volume _____ (µL)

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(µg/L or µg/Kg)	UG/L	Q
79-01-6	Trichloroethene		1	U
78-87-5	1,2-Dichloropropane		1	U
75-27-4	Bromodichloromethane		1	U
110-75-8	2-Chloroethylvinyl ether		1	U
10061-01-5	cis-1,3-Dichloropropene		1	U
10061-02-6	trans-1,3-Dichloropropene		1	U
79-00-5	1,1,2-Trichloroethane		1	U
100-41-4	Ethylbenzene		1	U
124-48-1	Dibromochloromethane		1	U
75-25-2	Bromoform		1	U
108-10-1	4-Methyl-2-pentanone		5	U
591-78-6	2-Hexanone		5	U
108-88-3	Toluene		1	U
127-18-4	Tetrachloroethene		1	U
108-90-7	Chlorobenzene		1	U
1330-20-7	Xylene (total)		1	U
79-34-5	1,1,2,2-Tetrachloroethane		1	U
541-73-1	1,3-Dichlorobenzene		1	U
106-46-7	1,4-Dichlorobenzene		1	U
95-50-1	1,2-Dichlorobenzene		1	U

Outfall area
 Sampled 3-5-03
 Grab Sample

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

16223-001

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.:

SDG No.: BNLS727

Matrix (soil/water): WATER

Lab Sample ID: 0302543-001

Level (low/med): LOW

Date Received: 2/24/2003

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1160			P
7440-36-0	Antimony	3.4	U		P
7440-38-2	Arsenic	1.8	U		P
7440-39-3	Barium	9.6	B		P
7440-41-7	Beryllium	0.31	B		P
7440-43-9	Cadmium	0.34	B		P
7440-70-2	Calcium	4590	B		P
7440-47-3	Chromium	4.4	B		P
7440-48-4	Cobalt	1.1	B		P
7440-50-8	Copper	7.5	B		P
7439-89-6	Iron	1620			P
7439-92-1	Lead	16.4			P
7439-95-4	Magnesium	1670	B		P
7439-96-5	Manganese	32.4			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	3.4	B		P
7440-09-7	Potassium	532	B		P
7782-49-2	Selenium	2.6	U		P
7440-22-4	Silver	0.80	U		P
7440-23-5	Sodium	42800			P
7440-28-0	Thallium	2.5	U		P
7440-62-2	Vanadium	6.5	B		P
7440-66-6	Zinc	49.7			P

*Outfall 008
Sampled 2-22-03
Grab Sampled
Total (Unfiltered)*

Color Before: BROWN

Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: _____

Comments:

DATE REPORTED 3/4/03

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 : S. Scarpitta

Lab No. : 0303109-002

Sample Information...

Type : Aqueous

Origin:

Client ID. : 16245-002

Collected 3/5/2003 9:12:00 AM
Received 3/5/2003 3:30:00 PM
Collected By CLIENT
Copies To Bob Lee

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Hexane Extr. Material (O&G)	< 5.0	mg/L	E1664A	3/6/2003 9:05:00 AM

Outfall 010
Sampled 3503
Grab Sample

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

Date Reported : 3/18/2003

Joann M. Slavin

Laboratory Manager

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

16223-002

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.:

SDG No.: BNLS727

Matrix (soil/water): WATER

Lab Sample ID: 0302543-002

Level (low/med): LOW

Date Received: 2/24/2003

% Solids: 0.0

Concentration Units (ug/L or mg/kg dry weight): UG/L

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1250			P
7440-36-0	Antimony	3.4	U		P
7440-38-2	Arsenic	1.9	B		P
7440-39-3	Barium	20.4	B		P
7440-41-7	Beryllium	0.11	B		P
7440-43-9	Cadmium	0.38	B		P
7440-70-2	Calcium	25300			P
7440-47-3	Chromium	3.7	B		P
7440-48-4	Cobalt	2.9	B		P
7440-50-8	Copper	22.0	B		P
7439-89-6	Iron	1960			P
7439-92-1	Lead	16.6			P
7439-95-4	Magnesium	1780	B		P
7439-96-5	Manganese	47.8			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	33.2	B		P
7440-09-7	Potassium	3800	B		P
7782-49-2	Selenium	2.6	U		P
7440-22-4	Silver	0.80	U		P
7440-23-5	Sodium	194000			P
7440-28-0	Thallium	2.5	U		P
7440-62-2	Vanadium	17.7	B		P
7440-66-6	Zinc	117			P

*Outfall 010
Sampled 2-22-03
Grab Sample
Total (Unfiltered)*

Color Before: BROWN

Clarity Before: CLEAR

Texture: _____

Color After: COLORLESS

Clarity After: CLEAR

Artifacts: _____

Comments:

DATE REPORTED 3/4/03

ATTACHMENT V
BROOKHAVEN NATIONAL LABORATORY
SPDES PERMIT NO. NY0005835
DISCHARGE MONITORING REPORT FOR MARCH 2002
ANALYTICAL RESULTS FROM CHEMTEX INC.
FOR REGULATORY COMPLIANCE SAMPLES COLLECTED
FROM OUTFALLS 001F, 002, 002B, 005, 006A, AND 006B

CHEMTEx

Environmental & Industrial Hygiene Services

3082 25th Street, Port Arthur, TX 77642
 (409) 983-4575 Fax (409) 982-1522

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

Report Date: 01/22/03

*Outfall CO2
 Samples 1-C-03
 Grab Sample*

RESULTS OF ANALYSIS

PROJECT: ES SPDES

ATTACHMENT I

COC_num	Site-ID	Samp_type	Samp_ID	Samp_date	Samp_time	Rec_date	SDG	Lab_file-ID	Samp_depth	Flow_rate	Notes	Lab_qual	Lab_QCnotes	Rev_qual	Rev_conc	Rev_QCnotes
15841	004-HN	W	Surface	01/06/03	1107	01/08/03		P3010207	0							
Cas_num	Name	Concen	Error	Det_limit	Units	Anal_date	Method	Lab_batch-ID	Ext_date	Dilution						
	H E D P as Organic Phosphorus	< 0.05/ < 0.05*		0.05	mg/l	01/09/03	EPA 365.3	P3010210								
	Inorganic Phosphorus	0.05/ 0.05*		0.05	mg/l	01/09/03	EPA 365.3									
	Total Phosphorus	0.079/ 0.077*		0.05	mg/l	01/09/03	EPA 365.3									
	Tolytriazole(TTA)	< 0.005		0.005	mg/l	01/13/03	SOP # O121-049									
	* Duplicate Analysis															

Required fields are shaded

Organometal field values are shaded

Chemical Analysis for Multi-Media Environmental And Industrial Hygiene Services (see Att. 2)

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

(361) 299-9900 FAX (361) 299-1155
 (337) 626-2121 FAX (337) 626-0405

CHEMTEx

Environmental & Industrial Hygiene Services

3082 25th Street, Port Arthur, TX 77642
 (409) 983-4575 Fax (409) 982-1522

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

Report Date: 01/22/03

*Outfall canal
 Sampled 1-7-03
 Grab Sample*

RESULTS OF ANALYSIS

PROJECT: ES SPDES

ATTACHMENT 1

COC_num	Site-ID	Samp_type	Samp-ID	Samp_date	Samp_time	Rec_date	SDG	Lab file ID	Samp depth	Flow_rate	Notes	Lab_qual	Rev_qual	Rev_conc	Lab_QCnotes	Rev_QCnotes
15841	007-1004/1002	W	Surface Water	01/07/03	1058	01/08/03		P3010207	0							
Cas_num	Name	Concn	Error	Det_limit	Units	Anal_date	Method	Lab_batch-ID	Ext_date	Dilution						
	H E D P as Organic Phosphorus	< 0.05		0.05	mg/l	01/09/03	EPA 365.3	P3010213								
	Inorganic Phosphorus	0.05		0.05	mg/l	01/09/03	EPA 365.3									
	Total Phosphorus	0.05		0.05	mg/l	01/09/03	EPA 365.3									
	Tolytriazole(TTA)	< 0.005		0.005	mg/l	01/13/03	SOP # O121-049									

Required fields are shaded

Required field under some circumstances (see Att. 2)

Organic, Metal, Wet Chemical, Biological and Petro
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Environmental & Industrial Hygiene Services

3082 25th Street, Port Arthur, TX 77642
 (409) 983-4575 Fax (409) 982-1522

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

Report Date: 01/22/03

RESULTS OF ANALYSIS

PROJECT: ES SPDES

ATTACHMENT I

*Custian 005
 Sampled 16.03
 As site sample*

COC_num	Site-ID	Samp_type	Samp-ID	Samp_date	Samp_time	Rec_date	SDG	Lab_file_ID	Samp_depth	Flow_rate	Notes	Lab_QCnotes	Rev_qual	Rev_conc	Rev_QCnotes
15841	001-HS	W	Surface Water	01/06/03	1132	01/08/03		P3010207	0						
Cas_num	Name	Concen	Error	Det limit	Units	Anal_date	Method	Lab_batch_ID	Ext_date	Dilution	Lab_qual	Lab_QCnotes	Rev_qual	Rev_conc	Rev_QCnotes
	H E D P as Organic Phosphorus	< 0.05		0.05	mg/l	01/09/03	EPA 365.3	P3010207							
	Inorganic Phosphorus	< 0.05		0.05	mg/l	01/09/03	EPA 365.3								
	Total Phosphorus	< 0.05		0.05	mg/l	01/09/03	EPA 365.3								
	Toly(triazole(TTA))	< 0.005		0.005	mg/l	01/13/03	SOP # O121-049								

Required fields are shaded
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RESULTS OF ANALYSIS

PROJECT: ES SPDES

ATTACHMENT I

*Outfall area
 Sampled 1-6-03
 Grit Sample*

COC_num	Site-ID	Samp_type	Samp-ID	Samp_date	Samp_time	Rec_date	SDG	Lab_file-ID	Samp_depth	Flow_rate	Notes	Lab_qual	Rev_qual	Rev_conc	Rev_QCnotes
15841	002-HTW	W	Surface Water	01/06/03	1115	01/08/03		P3010207	0						
Cas_num	Name	Concen	Error	Det_limit	Units	Anal_date	Method	Lab_batch-ID	Ext_date	Dilution	Lab_qual	Lab_QCnotes	Rev_qual	Rev_conc	Rev_QCnotes
	HEDP as Organic Phosphorus	< 0.05		0.05	mg/l	01/09/03	EPA 365.3	P3010208							
	Inorganic Phosphorus	< 0.05		0.05	mg/l	01/09/03	EPA 365.3								
	Total Phosphorus	< 0.05		0.05	mg/l	01/09/03	EPA 365.3								
	Tolytriazole(TTA)	< 0.005		0.005	mg/l	01/13/03	SOP # O121-049								

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

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Upton, NY 11973-5000
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Report Date: 01/22/03

Attn:

RESULTS OF ANALYSIS

PROJECT: ES SPDES

ATTACHMENT I

*outfall water
Sampled 1-6-03
Great sample*

COC_num	Site-ID	Samp_type	Samp-ID	Samp_date	Samp_time	Rec_date	SDG	Lab_file-ID	Samp_depth	Flow_rate	Notes	Lab_qual	Rev_qual	Rev_conc	Rev_QCnotes
15841	003-the	W	Surface Water	01/06/03	1118	01/08/03		P3010207	0						
Cas_num	Name	Concen	Error	Det_limit	Units	Anal_date	Method	Lab_batch-ID	Ext_date	Dilution		Lab_QCnotes			
	HEDP as Organic Phosphorus	< 0.05		0.05	mg/l	01/09/03	EPA 365.3	P3010209							
	Inorganic Phosphorus	< 0.05		0.05	mg/l	01/09/03	EPA 365.3								
	Total Phosphorus	< 0.05		0.05	mg/l	01/09/03	EPA 365.3								
	Tolyltriazole(TTA)	< 0.005		0.005	mg/l	01/13/03	SOP # O121-049								

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

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