

February 14, 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 January 2003

Included as Attachment I, please find the DMR for the month of January 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.

Review of the analytical data shows that all parameters met their respective SPDES effluent limitations this reporting period. 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 January 2003.

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



E. A. Zimmerman, CEP, REM, CEA, CESM
Interim Division Manager

EAZ/MA:cr

Attachment I: Discharge Monitoring Report for January 2003.

Attachment II: Analytical Results from H2M Labs for samples collected on 1/6/03 and 1/9/03 from Outfall 001.

Attachment III: Analytical Results from H2M Labs for samples collected from Outfalls 002, 002B, 005, 006A, and 006B.

cc:	M. Allocco	w/attachments	M. Baldwin	w/attachments
	M. Bebon	w/o attachments	K. Brog	w/o attachments
	W. Chaloupka	w/attachments	S. Dierker	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
	D. Van Duyne	w/attachments	E. Zimmerman	w/o attachments

EC62ER.03

Brookhaven National Laboratory
SPDES Permit No. NY0005835
Discharge Monitoring Report for January 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 flow monitoring equipment at Outfall 002B malfunctioned in early January and had to be removed from service for repair on January 23, 2003. No other monitoring equipment, such as water supply meters, was available to estimate the monthly flow. Therefore, the amount of actual flow recorded for December 2002 was entered as the estimated flow for January because there wasn't a change in process during this time frame.
3. There was no discharge from Outfalls 008 and 010 during this reporting period.



ATTACHMENT I
BROOKHAVEN NATIONAL LABORATORY
SPDES PERMIT NO. NY0005835
DISCHARGE MONITORING REPORT FOR JANUARY 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 (SUBR 01)
 F - FINAL
 PROCESS SANIT & STORMWTR RNOFF
 *** No Discharge ***

NY0005835 001 M Discharge Number
 Permit Number
 Monitoring Period
 From To
 YR MO DY YR MO DY
 03 01 01 03 01 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			
TEMPERATURE, WATER	0	01/01	GR
DEG. FAHRENHEIT	0	DAILY	GRAB
00011 1 0 0	0	02/30	24
EFFLUENT GROSS VALUE	0	ONCE/MONTH	COMP24
BOD, 5-DAY	0	01/01	GR
(20 DEG. C)	0	DAILY	GRAB
00310 1 0 0	0	02/30	24
EFFLUENT GROSS VALUE	0	ONCE/MONTH	COMP24
PH	0	01/01	GR
00400 1 0 0	0	DAILY	GRAB
EFFLUENT GROSS VALUE	0	02/30	24
SOLIDS, TOTAL	0	ONCE/MONTH	COMP24
SUSPENDED	0	01/01	GR
00530 1 0 0	0	DAILY	GRAB
EFFLUENT GROSS VALUE	0	02/30	24
SOLIDS, SETTLEABLE	0	ONCE/MONTH	COMP24
00545 1 0 0	0	01/01	GR
EFFLUENT GROSS VALUE	0	DAILY	GRAB
NITROGEN, TOTAL	0	02/30	24
(AS N)	0	ONCE/MONTH	COMP24
00600 1 0 0	0	02/30	24
EFFLUENT GROSS VALUE	0	ONCE/MONTH	COMP24
NITROGEN, AMMONIA	0	02/30	24
TOTAL (AS N)	0	ONCE/MONTH	COMP24
00610 1 0 0	0	02/30	24
EFFLUENT GROSS VALUE	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
 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 SFB'S. 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)

Permit Number NY0005835
 Discharge Number 001 M (SUBR 01)
 F - FINAL
 Monitoring Period From To
 YR MO DY YR MO DY
 03 01 01 03 01 31
 PROCESS SANIT & STORMWTR RNOFF
 *** No Discharge ***

MAJOR

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			
PHOSPHORUS, TOTAL (AS P)	MEASUREMENT	*****	*****	*****	*****	0	02/30	24
00665 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****		ONCE/MONTH	COMP24
CYANIDE, TOTAL (AS CN)	MEASUREMENT	*****	*****	*****	*****	0	02/30	GR
00720 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****		TWICE/MONTH	GRAB
EFFLUENT GROSS VALUE	MEASUREMENT	*****	*****	*****	*****	0	02/30	24
01042 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****		ONCE/MONTH	COMP24
IRON, TOTAL (AS FE)	MEASUREMENT	*****	*****	*****	*****	0	02/30	24
01045 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****		ONCE/MONTH	COMP24
LEAD, TOTAL (AS PB)	MEASUREMENT	*****	*****	*****	*****	0	02/30	24
01051 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****		ONCE/MONTH	COMP24
NICKEL, TOTAL (AS NI)	MEASUREMENT	*****	*****	*****	*****	0	02/30	24
01067 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****		ONCE/MONTH	COMP24
SILVER, TOTAL (AS AG)	MEASUREMENT	*****	*****	*****	*****	0	02/30	24
01077 1 0 0	PERMIT REQUIREMENT	*****	*****	*****	*****		ONCE/MONTH	COMP24
NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.							
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)

QUANTITIES OR CONCENTRATIONS OF RADIOACTIVITY IN EFFLUENT ARE SUBJECT TO REQUIREMENTS OF THE USDOE INCL BUT NOT LIMITED TO USDOE ORDER 5400L5.

APPROX 15% OF STP DISCHARGE CAN BE TO GW VIA EXFILTR FROM SFB S. 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 ****

NY0005835 001 M Discharge Number
 Permit Number
 Monitoring Period
 From To
 YR MO DY YR MO DY
 03 01 01 03 01 31

PARAMETER	SAMPLE MEASUREMENT PERMIT REQUIREMENT	QUANTITY OR LOADING		QUALITY OR CONCENTRATION			NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
		AVERAGE	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM			
ZINC, TOTAL (AS ZN)	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	0.084	0	02/30	24
EFFLUENT GROSS VALUE	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	0.1 DAILY MX	0	ONCE/MONTH	COMP24
TOLUENE	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	< 1	0	02/30	GR
34010 1 0 0	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	5 DAILY MX	0	TWICE/MONTH	GRAB
EFFLUENT GROSS VALUE	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	< 1	0	02/30	GR
METHYLENE CHLORIDE	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	5 DAILY MX	0	TWICE/MONTH	GRAB
34423 1 0 0	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	< 1	0	02/30	GR
EFFLUENT GROSS VALUE	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	5 DAILY MX	0	TWICE/MONTH	GRAB
1,1,1-TRICHLORO-ETHANE	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	< 1	0	02/30	GR
34506 1 0 0	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	5 DAILY MX	0	TWICE/MONTH	GRAB
EFFLUENT GROSS VALUE	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	< 1	0	02/30	GR
FLOW, IN CONDUIT OR THRU TREATMENT PLANT	MEASUREMENT PERMIT REQUIREMENT	0.30	0.38	*****	*****	*****	0	99/99	RC
50050 1 0 0	MEASUREMENT PERMIT REQUIREMENT	REPORT DAILY AV	2.3 DAILY MX	*****	*****	*****	0	CONTINUOUS	RCORDR
EFFLUENT GROSS VALUE	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	< 0.0001	0	02/30	24
MERCURY, TOTAL (AS HG)	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	0.0008 DAILY MX	0	ONCE/MONTH	COMP24
71900 1 0 0	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	< 2	0	02/30	GR
EFFLUENT GROSS VALUE	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	200 DAILY AV	0	ONCE/MONTH	GRAB
COLIFORM, FECAL GENERAL	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	400 DAILY MX	0	ONCE/MONTH	GRAB
74055 1 0 0	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	# 100ML	0	ONCE/MONTH	GRAB
EFFLUENT GROSS VALUE	MEASUREMENT PERMIT REQUIREMENT	*****	*****	*****	*****	*****	0	ONCE/MONTH	GRAB

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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)

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ATTACHMENT II
BROOKHAVEN NATIONAL LABORATORY
SPDES PERMIT NO. NY0005835
DISCHARGE MONITORING REPORT FOR JANUARY 2003
ANALYTICAL RESULTS FROM H2M LABS, INC.
FOR REGULATORY COMPLIANCE SAMPLES COLLECTED
1/6/03 AND 1/9/03
FROM OUTFALL 001

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

15839-001

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.:

SDG No.: BNLS714

Matrix (soil/water): WATER

Lab Sample ID: 0301087-001

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	60.2	B	N*	P
7440-36-0	Antimony	3.4	U		P
7440-38-2	Arsenic	1.8	U		P
7440-39-3	Barium	15.3	B		P
7440-41-7	Beryllium	0.22	B		P
7440-43-9	Cadmium	0.32	B		P
7440-70-2	Calcium	12000			P
7440-47-3	Chromium	1.2	B		P
7440-48-4	Cobalt	0.60	U		P
7440-50-8	Copper	37.8			P
7439-89-6	Iron	184			P
7439-92-1	Lead	1.2	B		P
7439-95-4	Magnesium	3380	B		P
7439-96-5	Manganese	3.0	B		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	3.8	B		P
7440-09-7	Potassium	4120	B		P
7782-49-2	Selenium	2.6	U		P
7440-22-4	Silver	0.85	B		P
7440-23-5	Sodium	30800			P
7440-28-0	Thallium	2.6	B		P
7440-62-2	Vanadium	2.3	B		P
7440-66-6	Zinc	46.3			P

*Outfall 001
Sampled 1-6-03
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

15839-002

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.:

SDG No.: BNLS714

Matrix (soil/water): WATER

Lab Sample ID: 0301087-002

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

Outfall 001
Sampled 1-6-03
Grab Sample

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO

15846-001

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.:

SDG No.: BNLS714

Matrix (soil/water): WATER

Lab Sample ID: 0301204-001

Level (low/med): LOW

Date Received: 1/9/2003

% 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	539		N*	P
7440-36-0	Antimony	3.4	U		P
7440-38-2	Arsenic	1.8	U		P
7440-39-3	Barium	22.1	B		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.38	B		P
7440-70-2	Calcium	16100			P
7440-47-3	Chromium	0.98	B		P
7440-48-4	Cobalt	0.60	U		P
7440-50-8	Copper	69.2			P
7439-89-6	Iron	238			P
7439-92-1	Lead	2.3	B		P
7439-95-4	Magnesium	4490	B		P
7439-96-5	Manganese	4.5	B		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	4.8	B		P
7440-09-7	Potassium	5400			P
7782-49-2	Selenium	2.6	U		P
7440-22-4	Silver	0.80	U		P
7440-23-5	Sodium	48000			P
7440-28-0	Thallium	2.5	U		P
7440-62-2	Vanadium	1.9	B		P
7440-66-6	Zinc	84.4			P

*Outfall 001
Sampled 1-9-03
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

15846-002

Lab Name: H2M LABS, INC.

Contract:

Lab Code: 10478

Case No.

SAS No.:

SDG No.: BNLS714

Matrix (soil/water): WATER

Lab Sample ID: 0301204-002

Level (low/med): LOW

Date Received: 1/9/2003

% 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 1-9-03
Grab Sample*

Comments:

LABORATORY RESULTS

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

Lab No. : 0301087-001

Sample Information...

Type : Aqueous

Origin:

Client ID. : 15839-001

Collected 1/6/2003 10:00:00 AM
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>
Biochemical Oxygen Demand	< 2	mg/L	E405.1	1/7/2003 4:02:00 PM
Nitrogen, Total	6.1	mg/L	M4500-N C	1/16/2003
Nitrogen, Ammonia (As N)	< 0.10	mg/L	E350.1	1/14/2003 4:18:27 PM
Nitrite as N	0.05	mg/L	E353.2	1/8/2003 9:30:40 AM
Nitrate as N	5.72	mg/L	E353.2	1/16/2003 5:36:32 PM
Phosphorus, Total (As P)	1.23	mg/L	E365.2	1/15/2003 9:04:00 AM
Nitrogen, Kjeldahl, Total	0.40	mg/L	E351.2	1/16/2003 2:24:46 PM
Suspended Solids	< 4	mg/L	E160.2	1/7/2003 7:10:00 AM

*Outfall as low as 1-24-03
Sampled 1-8-03
24 Hr. Composite*

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

Date Reported : 1/21/2003

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. SCARPITTA

Lab No. : 0301204-001

Sample Information...
Type : Aqueous

Origin:

Client ID. : 15846-001

Collected 1/9/2003 9:45:00 AM
Received 1/9/2003 3:00:00 PM
Collected By CLIENT
Copies To Bob Lee

Parameter(s)	Results	Units	Method Number	Analyzed
Biochemical Oxygen Demand	< 2	mg/L	E405.1	1/10/2003 4:11:00 PM
Nitrogen, Total	7.6	mg/L	M4500-N C	1/16/2003
Nitrogen, Ammonia (As N)	< 0.10	mg/L	E350.1	1/14/2003 4:22:07 PM
Nitrite as N	0.02	mg/L	E353.2	1/9/2003 6:42:38 PM
Nitrate as N	7.09	mg/L	E353.2	1/16/2003 5:38:35 PM
Phosphorus, Total (As P)	1.11	mg/L	E365.2	1/15/2003 9:07:00 AM
Nitrogen, Kjeldahl, Total	0.50	mg/L	E351.2	1/16/2003 2:25:26 PM
Suspended Solids	< 4	mg/L	E160.2	1/13/2003 8:40:00 AM

outfall 001
Sampled 1-9-03
24 Hr. Composite

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

Date Reported : 1/21/2003

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. SCARPITTA

Lab No. : 0301087-004

Sample Information...

Type : Aqueous

Origin:

Client ID. : 15839-004

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

Parameter(s)	Results	Units	Method Number	Analyzed
Biochemical Oxygen Demand	< 2	mg/L	E405.1	1/7/2003 4:04:00 PM

Cutfield 001
Sampled 1-6-03
24Hr. Composite
Duplicate

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

Date Reported : 1/21/2003

Joann M. Slavin

Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0301087-002

Sample Information...

Type : Aqueous

Origin:

Client ID. : 15839-002

Collected 1/6/2003 1:58:00 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>
Fecal Coliform	< 2	MPN	M9221 C	1/6/2003 3:30:00 PM

outfall 001
Sampled 1-6-03
Grab Sample

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

Date Reported : 1/21/2003

Joann M. Slavin

Laboratory Manager

IZM 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. : 0301204-002

Sample Information...
Type : Aqueous

Origin:

Client ID. : 15846-002

Collected 1/9/2003 1:00:00 PM
Received 1/9/2003 3:00:00 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	1/9/2003 3:30:00 PM

outfall 001
Sampled 1-9-03
Grab Sample

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

Date Reported : 1/21/2003

Joann M. Slavin

Laboratory Manager

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

15839-002

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: BNLS

SAS No.: _____

SDG No.: BNLS714

Matrix: (soil/water) WATER

Lab Sample ID: 0301087-002A

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

Lab File ID: V\F11757.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
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 001
Sampled 1-6-03
Grab Sample

VOLATILE ORGANICS ANALYSIS DATA SHEET

15839-002

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: BNLS

SAS No.: _____

SDG No.: BNLS714Matrix: (soil/water) WATERLab Sample ID: 0301087-002ASample wt/vol: 5 (g/mL) MLLab File ID: V\F11757.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
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 1-6-03
 Grab Sample.

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

15846-002

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478

Case No.: BNLS

SAS No.: _____

SDG No.: BNLS714

Matrix: (soil/water) WATER

Lab Sample ID: 0301204-002A

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

Lab File ID: V\F11755.D

Level: (low/med) LOW

Date Received: 01/09/03

% 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
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
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 001
Sampled 1-9-03
Grab Sample

FORM I VOA - 1

OLM04.2

BNLS714 S 52

VOLATILE ORGANICS ANALYSIS DATA SHEET

15846-002

Lab Name: H2M LABS, INC.

Contract: _____

Lab Code: 10478Case No.: BNLS

SAS No.: _____

SDG No.: BNLS714Matrix: (soil/water) WATERLab Sample ID: 0301204-002ASample wt/vol: 5 (g/mL) MLLab File ID: V\F11755.DLevel: (low/med) LOWDate Received: 01/09/03

% 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
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 1-9-03
 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. : 0301087-003

Sample Information...

Type : Aqueous

Origin:

Client ID. : 15839-003

Collected 1/6/2003 10:30:00 AM
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>
Biochemical Oxygen Demand	19	mg/L	E405.1	1/7/2003 4:03:00 PM
Suspended Solids	55	mg/L	E160.2	1/7/2003 7:15:00 AM

STP Influent
Sampled 1-6-03
24 Hr. Composite

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

Date Reported : 1/21/2003

Joann M. Slavin

Laboratory Manager

LABORATORY RESULTS

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

Lab No. : **0301204-003**

Sample Information...
Type : Aqueous

Origin:

Client ID. : 15846-003

Collected 1/9/2003 9:55:00 AM
Received 1/9/2003 3:00:00 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	49	mg/L	E405.1	1/10/2003 4:12:00 PM
Suspended Solids	64	mg/L	E160.2	1/13/2003 8:45:00 AM

STP Influent
Sampled 1-9-03
24 Hr. Composite

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

Date Reported : 1/21/2003

Joann M. Slavin

Laboratory Manager

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

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. : 0301089-003

Sample Information...
Type : Aqueous

Origin:

Client ID. : 15840-003

Collected 1/6/2003 11:05:00 AM
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>
Hexane Extr. Material (O&G)	< 5.0	mg/L	E1664A	1/8/2003 7:25:00 AM

Outfall 002

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

Date Reported : 1/21/2003

Joann M. Slavin

Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0301207-002

Sample Information...
Type : Aqueous

Origin:

Client ID. : 15843-002

Collected 1/7/2003 10:58:00 AM
Received 1/9/2003 3:00:00 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	1/13/2003 7:20:00 AM

Outfall 002B
Sampled 1-7-03
Grab Sample.

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

Date Reported : 1/22/2003

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. Scarpitta

Lab No. : 0301089-005

Sample Information...
Type : Aqueous

Origin:

Client ID. : 15840-005

Collected 1/6/2003 11:32:00 AM
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>
Hexane Extr. Material (O&G)	< 5.0	mg/L	E1664A	1/8/2003 7:30:00 AM

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

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

Date Reported : 1/21/2003

Joann M. Slavin

Laboratory Manager

TVM 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. : 0301089-001

Sample Information...
Type : Aqueous
Origin:

Client ID. : 15840-001

Collected 1/6/2003 11:15:00 AM
Received 1/6/2003 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	1/8/2003 7:30:00 AM

outfall 006A
Sampled 1-6-03
Grab Sample

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

Date Reported : 1/21/2003

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. Scarpitta

Lab No. : 0301089-002

Sample Information...
Type : Aqueous

Origin:

Client ID. : 15840-002

Collected 1/6/2003 11:18:00 AM
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>
Hexane Extr. Material (O&G)	< 5.0	mg/L	E1664A	1/8/2003 7:20:00 AM

outfall C060B
Sampled 1-6-03
Grab Sample

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

Date Reported : 1/21/2003

Joann M. Slavin

Laboratory Manager