



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

March 19, 2008

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

Gentlemen:

**SUBJECT: State Pollutant Discharge Elimination System (SPDES) NY-0005835
Brookhaven National Laboratory (BNL) Discharge Monitoring Report (DMR)
for February 2008**

In accordance with our SPDES permit (NY-0005835), enclosed as Attachment I, please find the DMR for the month of February 2008. General Engineering Laboratories, LLC (ELAP Certification #11501) performs most of the analyses on SPDES samples, while H2M Labs, Inc. (NELAP Certification #10478) performs the BOD-5, Nitrogen series, and fecal coliform analyses and CHEMTEX Environmental Laboratory, Inc. (NELAP Certification #02077) performs specialty analyses for tolytriazole, hydroxyethylidene diphosphonic acid, and polypropylene glycol monobutyl ether. These laboratories are certified by the New York State Department of Health. Field measured parameters (pH, settleable solids, flow) are recorded and/or measured by BNL. Copies of the analytical reports will be retained in our files and will be made available upon request.

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

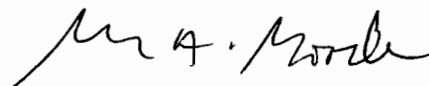
Collection and analysis of these samples are performed in accordance with the BNL Quality Assurance (QA) Program that specifies the standard operating procedures for collection and analysis of samples, QA data requirements, validation of contractor analytical data, and QA inspections performed periodically on contractor laboratories. All QA data, data validation reports, contractor laboratory assessment, and audit reports are available upon request. Based on this information, we believe the values reported on the DMR are representative of the effluent from BNL during the month of February 2008.



Registered to
ISO 14001

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

Sincerely,



George A. Goode
Environmental & Waste Management Services
Division Manager

- Attachment I: Discharge Monitoring Report for February 2008.
- Attachment II: Analytical Results from H2M Labs Inc. and General Engineering Laboratories, LLC for samples collected on 2/6/08 and 2/8/08 from Outfall 001 (BNL Use Only).
- Attachment III: Analytical Results from General Engineering Laboratories for samples collected from Outfalls 002, 002B, 005, 006A, 006B, 008, and 010 (BNL Use Only).

GAG/JR:mjt

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

File: EC62ER.08

Brookhaven National Laboratory
SPDES Permit No. NY0005835
Discharge Monitoring Report for February 2008
Discharge Monitoring Report Notes:

1. The reported concentration is estimated at less than the method detection limit but greater than the instrument detection limit.
2. Flow is estimated based upon an instantaneous flow measurement and the assumption that flow continued for the entire day (i.e., 1,440 minutes).
3. Since flow records are maintained on a weekly or monthly basis, the flow rate provided is the daily average.

ATTACHMENT I

BROOKHAVEN NATIONAL LABORATORY

SPDES PERMIT NO. NY0005835

DISCHARGE MONITORING REPORT FOR FEBRUARY 2008

FOR OUTFALLS NO. 001 – 010

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

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

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

| | |
|---------------|------------------|
| NY0005835 | 002B |
| PERMIT NUMBER | DISCHARGE NUMBER |


DMR MAILING ZIP CODE: 11973
 MAJOR (SUBR 01)

RF(1004) & BRAHMS(1002) BLOWDN
 External Outfall

| | | | | | |
|-------------------|----|-----|------|----|-----|
| MONITORING PERIOD | | | | | |
| FROM | | TO | | | |
| YEAR | MO | DAY | YEAR | MO | DAY |

No Discharge

| PARAMETER | QUANTITY OR LOADING | | QUALITY OR CONCENTRATION | | | | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|--|---------------------|-------|--------------------------|-------|-------|-------|--------|-----------------------|-------------|
| | VALUE | UNITS | VALUE | VALUE | VALUE | UNITS | | | |
| pH | ***** | | 8 | ***** | 8 | | 0 | 01/30 | GR |
| 00400 1 0 Effluent Gross | ***** | | | | | | | | |
| Oil & grease | ***** | | ***** | ***** | 2.7 | | 0 | 01/30 | GR |
| 00556 1 0 Effluent Gross | ***** | | | | | | | | |
| Flow, in conduit or thru treatment plant | ***** | 0.07 | ***** | ***** | | | 0 | 04/30 | RC |
| 50050 1 0 Effluent Gross | ***** | | | | | | | | |

| | | | | |
|--|---|---|------|--------------|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed | I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  | DATE | |
| | | | 2008 | 03 |
| | | TELEPHONE | | 631-344-4649 |

Comments and Explanation of any violations (Reference all attachments here)
 DISCHARGE MAY BE DIRECTED TO SURROUNDING LOW LYING AREA INSIDE THE ROADWAY THAT IS INSIDE RHIC RING. ONCE STORMWATER COLLECTION SYSTEM IS EXTENDED TO BLDG 1010 AND A NEW RECHARGE BASIN IS CONSTRUCTED, DISCHARGE SHOULD BE TO NEW BASIN.

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

| | |
|---------------|------------------|
| NY0005835 | 001M |
| PERMIT NUMBER | DISCHARGE NUMBER |

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

| | | | | | |
|-------------------|----|-----|------|----|-----|
| MONITORING PERIOD | | | | | |
| FROM | TO | | | | |
| YEAR | MO | DAY | YEAR | MO | DAY |
| | | | | | |

No Discharge

| PARAMETER | QUANTITY OR LOADING | | QUALITY OR CONCENTRATION | | | | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|------------------------------------|---------------------|-------|--------------------------|-------|-------|-------|--------|-----------------------|-------------|
| | VALUE | UNITS | VALUE | VALUE | VALUE | UNITS | | | |
| Temperature, water deg. Fahrenheit | ***** | | ***** | 48 | | | 0 | 01/01 | GR |
| 00011 1 0 Effluent Gross | ***** | | ***** | | | | 0 | 02/30 | 24 |
| BOD, 5-day, 20 deg. C | ***** | | ***** | < 2 | | | 0 | 01/01 | GR |
| 00310 1 0 Effluent Gross | ***** | | ***** | | | | 0 | 02/30 | 24 |
| pH | ***** | | ***** | 6.3 | 6.7 | | 0 | 01/01 | GR |
| 00400 1 0 Effluent Gross | ***** | | ***** | | | | 0 | 02/30 | 24 |
| Solids, total suspended | ***** | | ***** | <0.6 | | | 0 | 01/01 | GR |
| 00530 1 0 Effluent Gross | ***** | | ***** | | | | 0 | 02/30 | 24 |
| Solids, settleable | ***** | | ***** | 0.0 | | | 0 | 01/01 | GR |
| 00545 1 0 Effluent Gross | ***** | | ***** | | | | 0 | 02/30 | 24 |
| Nitrogen, total (as N) | ***** | | ***** | 9 | | | 0 | 02/30 | 24 |
| 00600 1 0 Effluent Gross | ***** | | ***** | | | | 0 | 02/30 | 24 |
| Nitrogen, ammonia total (as N) | ***** | | ***** | <0.01 | | | 0 | 02/30 | 24 |
| 00610 1 0 Effluent Gross | ***** | | ***** | | | | 0 | 02/30 | 24 |

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 | DATE |
| George A. Goode Division Manager Environmental & Waste Management Services Division | 2008 03 20 |
| Typed or Printed | YEAR MO DAY |
| | TELEPHONE |
| SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | |
| 631-344-4549 | |

Comments and Explanation of any violations (Reference all attachments here)
 QUANTITIES OR CONCENTRATIONS OF RADIOACTIVITY IN EFFLUENT ARE SUBJECT TO REQUIREMENTS OF THE USDOE INCL BUT NOT LIMITED TO USDOE ORDER 5400.5. APPROX 15% OF STP DISCHARGE CAN BE TO GW VIA EXFILTR FROM SFBS. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS, AND REQUIREMENTS.

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

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

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

| | |
|----------------------|-------------------------|
| NY0005835 | 001M |
| PERMIT NUMBER | DISCHARGE NUMBER |

DMR MAILING ZIP CODE: 11973
 MAJOR

(SUBR 01)
 PROCESS SANIT & STORMWTR RNOFF
 External Outfall

| | |
|-------------------|-------------|
| MONITORING PERIOD | |
| FROM | TO |
| YEAR MO DAY | YEAR MO DAY |

No Discharge

| PARAMETER | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE | |
|--|--|-------|-------|--------------------------|-------|-------|--|-----------------------|-------------|--|
| | VALUE | UNITS | UNITS | VALUE | UNITS | UNITS | | | | |
| Phosphorus, total (as P) | ***** | ***** | ***** | ***** | ***** | ***** | 0 | 02/30 | 24 | |
| 00665 1 0 Effluent Gross | | | | | | | | | | |
| Cyanide, total (as CN) | ***** | ***** | ***** | ***** | ***** | ***** | 0 | 02/30 | GR | |
| 00720 1 0 Effluent Gross | | | | | | | | | | |
| Copper, total (as Cu) | ***** | ***** | ***** | ***** | ***** | ***** | 0 | 02/30 | 24 | |
| 01042 1 0 Effluent Gross | | | | | | | | | | |
| Iron, total (as Fe) | ***** | ***** | ***** | ***** | ***** | ***** | 0 | 02/30 | 24 | |
| 01045 1 0 Effluent Gross | | | | | | | | | | |
| Lead, total (as Pb) | ***** | ***** | ***** | ***** | ***** | ***** | 0 | 02/30 | 24 | |
| 01051 1 0 Effluent Gross | | | | | | | | | | |
| Nickel, total (as Ni) | ***** | ***** | ***** | ***** | ***** | ***** | 0 | 02/30 | 24 | |
| 01067 1 0 Effluent Gross | | | | | | | | | | |
| Silver, total (as Ag) | ***** | ***** | ***** | ***** | ***** | ***** | 0 | 02/30 | 24 | |
| 01077 1 0 Effluent Gross | | | | | | | | | | |
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | George A. Goode | | | | | | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | | DATE | |
| Division Manager | Environmental & Waste Management Services Division | | | | | | TELEPHONE | | 2008 03 20 | |
| Typed or Printed | | | | | | | 631-344-4548 | | YEAR MO DAY | |

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.

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

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

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

| | |
|---------------|------------------|
| NY0005835 | 001M |
| PERMIT NUMBER | DISCHARGE NUMBER |

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

| | | | | | |
|-------------------|----|-----|------|----|-----|
| MONITORING PERIOD | | | | | |
| FROM | | | TO | | |
| YEAR | MO | DAY | YEAR | MO | DAY |
| | | | | | |

No Discharge

| PARAMETER | QUANTITY OR LOADING | | QUALITY OR CONCENTRATION | | | | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|--|---------------------|-------|--------------------------|-------|---------|-------|--------|-----------------------|-------------|
| | VALUE | UNITS | VALUE | VALUE | VALUE | UNITS | | | |
| Zinc, total (as Zn) | ***** | | ***** | ***** | 0.08 | mg/L | 0 | 02/30 | 24 |
| Effluent Gross | | | | | | | | | |
| Toluene | ***** | | ***** | ***** | <1 | | 0 | 02/30 | GR |
| 34010 1 0 | | | | | | | | | |
| Effluent Gross | | | | | | | | | |
| Methylene chloride | ***** | | ***** | ***** | 2 | ug/L | 0 | 02/30 | GR |
| 34423 1 0 | | | | | | | | | |
| Effluent Gross | | | | | | | | | |
| 1, 1, 1 - Trichloroethane | ***** | | ***** | ***** | <1 | ug/L | 0 | 02/30 | GR |
| 34506 1 0 | | | | | | | | | |
| Effluent Gross | | | | | | | | | |
| Flow, in conduit or thru treatment plant | 0.34 | 0.65 | ***** | ***** | ***** | ug/L | 0 | 99/99 | RC |
| 50050 1 0 | | | | | | | | | |
| Effluent Gross | | | | | | | | | |
| Mercury, total (as Hg) | ***** | | ***** | ***** | 0.00005 | | 0 | 02/30 | 24 |
| 71900 1 0 | | | | | | | | | |
| Effluent Gross | | | | | | | | | |
| Coliform, fecal general | ***** | | ***** | ***** | <2 | mg/L | 0 | 02/30 | GR |
| 74055 1 0 | | | | | | | | | |
| Effluent Gross | | | | | | | | | |

| | | | |
|--|--|-----------|--------------|
| NAME/TITLE | PRINCIPAL EXECUTIVE OFFICER | DATE | 2008 03 20 |
| George A. Goode | Division Manager | YEAR | MO |
| Environmental & Waste Management Services Division | Services Division | DAY | |
| Typed or Printed | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | TELEPHONE | 631-344-4549 |

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.

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

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

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

| | |
|---------------|------------------|
| NY0005835 | 001M |
| PERMIT NUMBER | DISCHARGE NUMBER |


DMR MAILING ZIP CODE: 11973
 MAJOR

(SUBR 01)
 PROCESS SANIT & STORMWTR RNOFF
 External Outfall

| | | | | | |
|-------------------|----|-----|------|----|-----|
| MONITORING PERIOD | | | | | |
| FROM | TO | | | | |
| YEAR | MO | DAY | YEAR | MO | DAY |

No Discharge

| PARAMETER | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|-----------------------------------|---------------------|-------|-------|--------------------------|-------|-------|--------|-----------------------|-------------|
| | VALUE | UNITS | UNITS | VALUE | UNITS | UNITS | | | |
| 2 - Butanone | ***** | | | ***** | | | 0 | 02/30 | GR |
| 78356 1 0 Effluent Gross | ***** | | | ***** | | | | | |
| BOD, 5-day, percent removal | ***** | | | >93 | | | 0 | 01/30 | CA |
| 81010 K 0 Percent Removal | ***** | | | ***** | | | | | |
| Solids, suspended percent removal | ***** | | | >99 | | | 0 | 01/30 | CA |
| 81011 K 0 Percent Removal | ***** | | | ***** | | | | | |

| | | | | |
|---|---|---|------|----|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed | I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  | DATE | |
| | | | 2008 | 03 |
| Comments and Explanation of any violations (Reference all attachments here) QUANTITIES OR CONCENTRATIONS OF EFFLUENT ARE SUBJECT TO REQUIREMENTS OF THE USDOE INCL BUT NOT LIMITED TO USDOE ORDER 5400.5. APPROX 15% OF STP DISCHARGE CAN BE TO GW VIA EXFILTR FROM SFBS. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS, AND REQUIREMENTS. | | TELEPHONE 631-344-4548 | | |

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

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

| | |
|---------------|------------------|
| NY0005835 | 002M |
| PERMIT NUMBER | DISCHARGE NUMBER |

DMR MAILING ZIP CODE: 11973
MAJOR

(SUBR 01)
AGS NON-C COOLING,PRCP,ETC (HN)
External Outfall

| | | | | | |
|-------------------|----|-----|------|----|-----|
| MONITORING PERIOD | | | | | |
| FROM | TO | | | | |
| YEAR | MO | DAY | YEAR | MO | DAY |

No Discharge

| PARAMETER | QUANTITY OR LOADING | | QUALITY OR CONCENTRATION | | | | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---------------------|--------|--------------------------|-------|-------|-------|--------|-----------------------|-------------|
| | VALUE | UNITS | VALUE | UNITS | VALUE | UNITS | | | |
| pH | ***** | | 7.2 | | ***** | | 0 | 04/30 | GR |
| 00400 1 0 Effluent Gross Oil & grease | ***** | | ***** | | ***** | SU | 0 | 01/30 | GR |
| 00556 1 0 Effluent Gross Flow, in conduit or thru treatment plant | 0.9 | | ***** | | ***** | mg/L | 0 | 04/30 | RC |
| 50050 1 0 Effluent Gross | | Mgal/d | ***** | | ***** | | | | |

| | |
|---|--|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | DATE |
| George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed | 2008 03 20 YEAR MO DAY TELEPHONE 631-344-4549 |
| I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. | |
| SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | |
| <i>George A. Goode</i> | |

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

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

PERMITTEE NAME/ADDRESS (include Facility Name/Location if Different)
 NAME BROOKHAVEN NATIONAL LABORATORY
 ADDRESS 53 BELL AVENUE, BLDG 464
 UPTON, NY 11973
 FACILITY BROOKHAVEN NATIONAL LABORATORY
 LOCATION 53 BELL AVENUE, BLDG 464
 UPTON, NY 11973
 ATTN: MICHAEL HOLLAND, OFFICE MGR

| | | | |
|-------------------|-----------|------------------|------|
| PERMIT NUMBER | NY0005835 | DISCHARGE NUMBER | 005M |
| MONITORING PERIOD | | FROM TO | |
| YEAR | MO | DAY | YEAR |
| | | | MO |
| | | | DAY |

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

No Discharge

| PARAMETER | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|--|---------------------|--------|-------|--------------------------|-------|-------|--------|-----------------------|-------------|
| | VALUE | UNITS | UNITS | VALUE | UNITS | UNITS | | | |
| pH | ***** | | 7.7 | ***** | | 7.8 | 0 | 04/30 | GR |
| 00400 1 0 Effluent Gross | ***** | | | ***** | | | | | |
| Oil & grease | ***** | | | ***** | | 2.8 | 0 | 01/30 | GR |
| 00556 1 0 Effluent Gross | ***** | | | ***** | | | | | |
| Flow, in conduit or thru treatment plant | 0.50 | | | ***** | | mg/L | 0 | 04/30 | RC |
| 50050 1 0 Effluent Gross | | Mgal/d | | | | | | | |

| | | | |
|--|---|--|--|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed | I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>George A. Goode</i> | DATE |
| | | | 2008 03 20 YEAR MO DAY TELEPHONE 631-344-4649 |

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

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

PERMITTEE NAME/ADDRESS (Include Facility Name/Location if Different)
 NAME BROOKHAVEN NATIONAL LABORATORY
 ADDRESS 53 BELL AVENUE, BLDG 464
 UPTON, NY 11973
 FACILITY BROOKHAVEN NATIONAL LABORATORY
 LOCATION 53 BELL AVENUE, BLDG 464
 UPTON, NY 11973
 ATTN: MICHAEL HOLLAND, OFFICE MGR

| | |
|---------------|------------------|
| NY0005835 | 007M |
| PERMIT NUMBER | DISCHARGE NUMBER |

DMR MAILING ZIP CODE: 11973
 MAJOR (SUBR 01)

| | |
|-------------------|-------------|
| MONITORING PERIOD | |
| FROM | TO |
| YEAR MO DAY | YEAR MO DAY |

WATER TREATMENT PLT BKWSH (HX)
 External Outfall

No Discharge

| PARAMETER | QUANTITY OR LOADING | | QUALITY OR CONCENTRATION | | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|-----------------------------|---------------------|--------|--------------------------|-------|--------|-----------------------|-------------|
| | VALUE | UNITS | VALUE | UNITS | | | |
| Flow rate | ***** | 160000 | ***** | ***** | 0 | 20/30 | IN |
| 00056 1 0 Effluent Gross | | | | | | | |
| pH | ***** | gal/d | 6.6 | ***** | 0 | 01/30 | GR |
| 00400 1 0 Effluent Gross | | | | | | | |

| | | | |
|--|---|--|---------------------------|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed | I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>George A. Goode</i> | DATE |
| | | | YEAR MO DAY 2008 03 20 |

Comments and Explanation of any violations (Reference all attachments here)
 SAMPLES TO BE COLLECTED AT EFFLUENT PIPE TO WHICHEVER BASIN IS IN OPERATION AT THE TIME. STANDING WATER IN EITHER BASIN SHALL NOT BE COLLECTED FOR DMR SAMPLING PURPOSES. SEE PERMIT FOR ADDITIONAL NOTES, COMMENTS, AND REQUIREMENTS.

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

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

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

| | |
|---------------|------------------|
| NY0005835 | 008M |
| PERMIT NUMBER | DISCHARGE NUMBER |

DMR MAILING ZIP CODE: 11973
 MAJOR (SUBR 01)
 STORMWTR RUNOFF WAREHOUSE (HW)
 External Outfall

MONITORING PERIOD

| | |
|-------------|-------------|
| FROM | TO |
| YEAR MO DAY | YEAR MO DAY |

No Discharge

| PARAMETER | SAMPLE MEASUREMENT | QUANTITY OR LOADING | | QUALITY OR CONCENTRATION | | | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|-----------------------------|--------------------|---------------------|--------|--------------------------|-------|-------|--------|-----------------------|-------------|
| | | VALUE | UNITS | VALUE | VALUE | UNITS | | | |
| Flow rate | SEE NOTE #2 | ***** | 736000 | ***** | ***** | ***** | 0 | 01/30 | IN |
| 00056 1 0 Effluent Gross | | | | | | | | | |
| pH | | ***** | | 7.0 | ***** | 7.0 | 0 | 01/30 | GR |
| 00400 1 0 Effluent Gross | | | | | | | | | |
| Oil & grease | SEE NOTE #1 | ***** | | ***** | ***** | 1.6 | 0 | 01/30 | GR |
| 00556 1 0 Effluent Gross | | | | | | | | | |
| 1, 1 - Dichloroethylene | | ***** | | ***** | ***** | <1 | 0 | 01/30 | GR |
| 34501 1 0 Effluent Gross | | | | | | | | | |
| 1, 1 - Trichloroethane | | ***** | | ***** | ***** | <1 | 0 | 01/30 | GR |
| 34506 1 0 Effluent Gross | | | | | | | | | |

| | | | |
|--|---|--|---------------------------|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed | I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>George A. Goode</i> | DATE |
| | | | YEAR MO DAY 2008 03 20 |
| 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 | | TELEPHONE 631-344-4549 | |

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

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

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

| | |
|---------------|------------------|
| NY0005835 | 010M |
| PERMIT NUMBER | DISCHARGE NUMBER |

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

| | |
|-------------------|-------------|
| MONITORING PERIOD | |
| FROM | TO |
| YEAR MO DAY | YEAR MO DAY |

No Discharge

| PARAMETER | SAMPLE MEASUREMENT | QUANTITY OR LOADING | | QUALITY OR CONCENTRATION | | | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|-----------------------------|--------------------|---------------------|--------|--------------------------|-------|-------|--------|-----------------------|-------------|
| | | VALUE | UNITS | VALUE | VALUE | UNITS | | | |
| Flow rate | SEE NOTE #2 | ***** | 959000 | ***** | ***** | ***** | 0 | 01/30 | IN |
| 00056 1 0 Effluent Gross | | | | | | | | | |
| pH | | | | | | | | | |
| 00400 1 0 Effluent Gross | | | | 7.0 | ***** | 7.0 | 0 | 01/30 | GR |
| Oil & grease | | | | | | | | | |
| 00556 1 0 Effluent Gross | | | | ***** | ***** | 1.9 | 0 | 01/30 | GR |
| | | | | | | mg/L | | | |

| | | | |
|---|---|--|------------|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed | I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT <i>George A. Goode</i> | DATE |
| | | | 2008 03 20 |
| 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. | | TELEPHONE 631-344-4549 | |

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

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

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

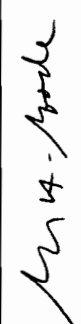
| | |
|---------------|------------------|
| NY0005835 | 06AM |
| PERMIT NUMBER | DISCHARGE NUMBER |

DMR MAILING ZIP CODE: 11973
 MAJOR (SUBR 01)
 LINAC NCCW, FLOOR DNS,ETC (HT1)
 External Outfall

| | | | | | |
|-------------------|----|-----|------|----|-----|
| MONITORING PERIOD | | | | | |
| FROM | TO | | | | |
| YEAR | MO | DAY | YEAR | MO | DAY |

No Discharge

| PARAMETER | SAMPLE MEASUREMENT | QUANTITY OR LOADING | | QUALITY OR CONCENTRATION | | | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|--|-----------------------------|---------------------|--------|--------------------------|-------|-------|--------|-----------------------|-------------|
| | | VALUE | UNITS | VALUE | VALUE | UNITS | | | |
| pH | 00400 1 0 Effluent Gross | ***** | | 7.2 | ***** | 8.0 | 0 | 04/30 | GR |
| Oil & grease | SEE NOTE #1 | ***** | | ***** | ***** | 1.9 | 0 | 01/30 | GR |
| Flow, in conduit or thru treatment plant | 00556 1 0 Effluent Gross | 0.09 | | ***** | ***** | mg/L | 0 | 04/30 | RC |
| Effluent Gross | 50050 1 0 | | Mgal/d | | | | | | |

| | | | |
|--|---|---|--|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed | I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. | DATE | |
| | | SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT  | YEAR 2008 MO 03 DAY 20 TELEPHONE 631-344-4549 |

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

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

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

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

| | |
|---------------|------------------|
| NY0005835 | 06BM |
| PERMIT NUMBER | DISCHARGE NUMBER |

DMR MAILING ZIP CODE: 11973
MAJOR

(SUBR 01)
COOLING TOWER FROM 919 ETC (HT2)
External Outfall

| | | | | | |
|-------------------|----|-----|------|----|-----|
| MONITORING PERIOD | | | | | |
| FROM | TO | | | | |
| YEAR | MO | DAY | YEAR | MO | DAY |

No Discharge

| PARAMETER | QUANTITY OR LOADING | | | QUALITY OR CONCENTRATION | | | NO. EX | FREQUENCY OF ANALYSIS | SAMPLE TYPE |
|---|---------------------|---------|--------|--------------------------|---------|---------|--------|-----------------------|-------------|
| | AVERAGE | MAXIMUM | UNITS | MINIMUM | AVERAGE | MAXIMUM | | | |
| pH | ***** | ***** | | 6.7 | ***** | 8.0 | 0 | 04/30 | GR |
| 00400 1 0 Effluent Gross Oil & grease | ***** | ***** | | ***** | ***** | | 0 | 01/30 | GR |
| 00556 1 0 Effluent Gross Flow, in conduit or thru treatment plant | 0.01 | ***** | | ***** | ***** | mg/L | 0 | 04/30 | RC |
| 50050 1 0 Effluent Gross | | | Mgal/d | | | | | | |

| | |
|---|--|
| NAME/TITLE PRINCIPAL EXECUTIVE OFFICER | DATE |
| George A. Goode Division Manager Environmental & Waste Management Services Division Typed or Printed | 2008 03 20 YEAR MO DAY TELEPHONE 631-344-4549 |
| I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. | |
| SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT | |
| <i>George A. Goode</i> | |

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

ATTACHMENT II

BROOKHAVEN NATIONAL LABORATORY

SPDES PERMIT NO. NY0005835

DISCHARGE MONITORING REPORT FOR FEBRUARY 2008

ANALYTICAL RESULTS FROM H2M LABS

AND GENERAL ENGINEERING LABORATORIES, LLC

FOR REGULATORY COMPLIANCE SAMPLES COLLECTED

2/6/08 and 2/8/08

FROM OUTFALL 001

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0802198-001

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25426-001

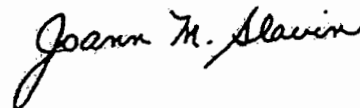
Collected : 2/6/2008 10:50:00 AM
Received : 2/6/2008 3:20:00 PM
Collected By CLIENT
Copies To : Original
CC

| Parameter(s) | Results | Qualifier | D.F. | Units | Method Number | Analyzed |
|---------------------------|---------|-----------|------|-------|---------------|---------------------|
| Biochemical Oxygen Demand | < 2 | | 1 | mg/L | E405.1 | 02/08/2008 10:50 AM |
| Nitrogen, Total | 6.6 | | 1 | mg/L | M4500-N C | 02/08/2008 |
| Nitrogen, Ammonia (As N) | < 0.10 | | 1 | mg/L | E350.1 | 02/12/2008 11:51 AM |
| Nitrite as N | < 0.01 | | 1 | mg/L | E353.2 | 02/07/2008 11:48 AM |
| Nitrate as N | 6.16 | | 10 | mg/L | E353.2 | 02/07/2008 1:56 PM |
| Nitrogen, Kjeldahl, Total | 0.45 | | 1 | mg/L | E351.2 | 02/08/2008 11:20 AM |

Outfall #001
Sampled 2/6/08
24 hour composite

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

Date Reported : 2/20/2008



Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0802303-001

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25440-001

Collected : 2/8/2008 10:30:00 AM
Received : 2/8/2008 3:00:00 PM
Collected By CLIENT
Copies To : Original
CC

| Parameter(s) | Results | Qualifier | D.F. | Units | Method Number | Analyzed |
|---------------------------|---------|-----------|------|-------|---------------|---------------------|
| Biochemical Oxygen Demand | < 2 | | 1 | mg/L | E405.1 | 02/10/2008 10:10 AM |
| Nitrogen, Total | 8.7 | | 1 | mg/L | M4500-N C | 02/14/2008 |
| Nitrogen, Ammonia (As N) | < 0.10 | | 1 | mg/L | E350.1 | 02/12/2008 12:53 PM |
| Nitrite as N | < 0.01 | | 1 | mg/L | E353.2 | 02/09/2008 11:48 AM |
| Nitrate as N | 8.11 | | 10 | mg/L | E353.2 | 02/13/2008 11:33 AM |
| Nitrogen, Kjeldahl, Total | 0.55 | | 1 | mg/L | E351.2 | 02/12/2008 11:21 AM |

Outfall 001
Sampled 2/8/08
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 2/20/2008

Joann M. Alavin

Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0802198-002

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25426-002

Collected : 2/6/2008 2:00:00 PM
Received : 2/6/2008 3:20:00 PM
Collected By CLIENT
Copies To : Original
CC

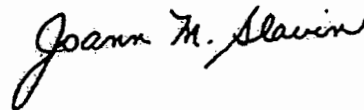
| <u>Parameter(s)</u> | <u>Results</u> | <u>Qualifier</u> | <u>D.F.</u> | <u>Units</u> | <u>Method Number</u> | <u>Analyzed</u> |
|---------------------|----------------|------------------|-------------|--------------|----------------------|--------------------|
| Total Coliform | < 2 | | 1 | MPN | M9221 BC | 02/06/2008 4:00 PM |
| Fecal Coliform | < 2 | | 1 | MPN | M9221 BC | 02/06/2008 4:00 PM |

Outfall 001
Sampled 2/6/08
~~24 hr~~ Grab

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

D.F. = Dilution Factor

Date Reported : 2/20/2008



Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0802303-002

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25440-002

Collected : 2/8/2008 1:30:00 PM
Received : 2/8/2008 3:00:00 PM
Collected By CLIENT
Copies To :Original
CC

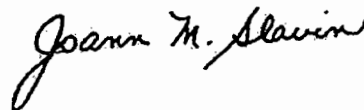
| Parameter(s) | Results | Qualifier | D.F. | Units | Method Number | Analyzed |
|----------------|---------|-----------|------|-------|---------------|--------------------|
| Total Coliform | < 2 | | 1 | MPN | M9221 BC | 02/08/2008 3:30 PM |
| Fecal Coliform | < 2 | | 1 | MPN | M9221 BC | 02/08/2008 3:30 PM |

Outfall 001
Sampled 2/8/08
Grab

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

D.F. = Dilution Factor

Date Reported : 2/20/2008



Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0802198-003

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25426-003

Collected : 2/6/2008 11:45:00 AM
Received : 2/6/2008 3:20:00 PM
Collected By CLIENT
Copies To : Original
CC

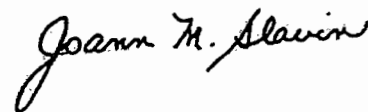
| <u>Parameter(s)</u> | <u>Results</u> | <u>Qualifier</u> | <u>D.F.</u> | <u>Units</u> | <u>Method Number</u> | <u>Analyzed</u> |
|---------------------------|----------------|------------------|-------------|--------------|----------------------|---------------------|
| Biochemical Oxygen Demand | 35 | | 1 | mg/L | E405.1 | 02/08/2008 11:00 AM |

STP Influent
Sampled 2/6/08
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 2/20/2008



Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0802303-003

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25440-003

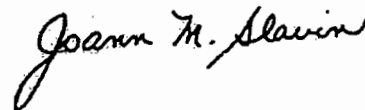
Collected : 2/8/2008 11:35:00 AM
Received : 2/8/2008 3:00:00 PM
Collected By CLIENT
Copies To : Original
CC

| <u>Parameter(s)</u> | <u>Results</u> | <u>Qualifier</u> | <u>D.F.</u> | <u>Units</u> | <u>Method Number</u> | <u>Analyzed</u> |
|---------------------------|----------------|------------------|-------------|--------------|----------------------|---------------------|
| Biochemical Oxygen Demand | 25 | | 1 | mg/L | E405.1 | 02/10/2008 10:15 AM |

STP Influent
Sampled 2/8/08
24 hour composite

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

Date Reported : 2/20/2008



Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0802198-005

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25426-005

Collected : 2/6/2008 11:20:00 AM
Received : 2/6/2008 3:20:00 PM
Collected By CLIENT
Copies To : Original
CC

| <u>Parameter(s)</u> | <u>Results</u> | <u>Qualifier</u> | <u>D.F.</u> | <u>Units</u> | <u>Method Number</u> | <u>Analyzed</u> |
|---------------------------|----------------|------------------|-------------|--------------|----------------------|---------------------|
| Biochemical Oxygen Demand | 10 | | 1 | mg/L | E405.1 | 02/08/2008 11:10 AM |
| Nitrogen, Total | 8.0 | | 1 | mg/L | M4500-N C | 02/08/2008 |
| Nitrogen, Ammonia (As N) | < 0.10 | | 1 | mg/L | E350.1 | 02/12/2008 11:56 AM |
| Nitrite as N | 0.04 | | 1 | mg/L | E353.2 | 02/07/2008 11:56 AM |
| Nitrate as N | 6.34 | | 10 | mg/L | E353.2 | 02/07/2008 2:01 PM |
| Nitrogen, Kjeldahl, Total | 1.71 | | 1 | mg/L | E351.2 | 02/08/2008 11:22 AM |

Pre-Sand Filter Bed
Sampled 2/6/08
24 hour composite

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

D.F. = Dilution Factor

Date Reported : 2/20/2008

Joann M. Alavin

Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0802303-005

Sample Information...
Type : Aqueous

Origin:

Client ID. : 25440-005

Collected : 2/8/2008 11:30:00 AM
Received : 2/8/2008 3:00:00 PM
Collected By CLIENT
Copies To : Original
CC

| Parameter(s) | Results | Qualifier | D.F. | Units | Method Number | Analyzed |
|---------------------------|---------|-----------|------|-------|---------------|---------------------|
| Biochemical Oxygen Demand | 5 | | 1 | mg/L | E405.1 | 02/10/2008 10:25 AM |
| Nitrogen, Total | 10 | | 1 | mg/L | M4500-N C | 02/14/2008 |
| Nitrogen, Ammonia (As N) | < 0.10 | | 1 | mg/L | E350.1 | 02/12/2008 12:55 PM |
| Nitrite as N | 0.02 | | 1 | mg/L | E353.2 | 02/09/2008 11:50 AM |
| Nitrate as N | 8.31 | | 10 | mg/L | E353.2 | 02/13/2008 11:36 AM |
| Nitrogen, Kjeldahl, Total | 1.65 | | 1 | mg/L | E351.2 | 02/12/2008 11:24 AM |

*Pre - Sand Filter Bed
Sampled 2/8/08
24 hour composite*

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

D.F. = Dilution Factor

Date Reported : 2/20/2008

Joann M. Slavina

Laboratory Manager

Volatile
Certificate of Analysis
Sample Summary

| | | |
|-----------------------------|----------------------------------|----------------------|
| SDG Number: 202329 | Date Collected: 02/06/2008 14:00 | Matrix: WATER |
| Lab Sample ID: 202329002 | Date Received: 02/07/2008 08:45 | |
| Client Sample: STP Effluent | Client: BRKL005 | Project: BRKL00504 |
| Client ID: 25425-002 | Method: EPA 624 | SOP Ref: GL-OA-E-026 |
| Batch ID: 726473 | Inst: VOA7.I | Dilution: 1 |
| Run Date: 02/13/2008 15:44 | Analyst: SJW1 | Purge Vol: 5 mL |
| Prep Date: 02/13/2008 15:44 | | |
| Data File: 7x314.d | Column: DB-624 | Level: LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|------------|-----------------------------|-----------|--------|-------|---------|---------|
| 74-87-3 | Chloromethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-69-4 | Trichlorofluoromethane | U | 1.00 | ug/L | 0.310 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-05-8 | Acetonitrile | U | 25.0 | ug/L | 6.25 | 25.0 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | | 2.43 | ug/L | 2.00 | 2.00 |
| 1634-04-4 | tert-Butyl methyl ether | U | 5.00 | ug/L | 0.250 | 5.00 |
| 156-60-5 | trans-1,2-Dichloroethylene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 110-75-8 | 2-Chloroethylvinyl ether | U | 5.00 | ug/L | 1.50 | 5.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |

Out fall 001
Sampled 2/6/08

Volatile
Certificate of Analysis
Sample Summary

| | | |
|-----------------------------|----------------------------------|----------------------|
| SDG Number: 202530 | Date Collected: 02/08/2008 13:30 | Matrix: WATER |
| Lab Sample ID: 202530002 | Date Received: 02/09/2008 09:10 | |
| Client ID: 25439-002 | Client: BRKL005 | Project: BRKL00504 |
| Batch ID: 726473 | Method: EPA 624 | SOP Ref: GL-OA-E-026 |
| Run Date: 02/13/2008 19:46 | Inst: VOA7.I | Dilution: 1 |
| Prep Date: 02/13/2008 19:46 | Analyst: SJW1 | Purge Vol: 5 mL |
| Data File: 7x323.d | Column: DB-624 | Level: LOW |

| CAS No. | Parmname | Qualifier | Result | Units | MDL/LOD | PQL/LOQ |
|------------|-----------------------------|-----------|--------|-------|---------|---------|
| 74-87-3 | Chloromethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-01-4 | Vinyl chloride | U | 1.00 | ug/L | 0.500 | 1.00 |
| 74-83-9 | Bromomethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-00-3 | Chloroethane | U | 1.00 | ug/L | 0.500 | 1.00 |
| 75-69-4 | Trichlorofluoromethane | U | 1.00 | ug/L | 0.310 | 1.00 |
| 67-64-1 | Acetone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 75-05-8 | Acetonitrile | U | 25.0 | ug/L | 6.25 | 25.0 |
| 75-35-4 | 1,1-Dichloroethylene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 75-09-2 | Methylene chloride | | 2.35 | ug/L | 2.00 | 2.00 |
| 1634-04-4 | tert-Butyl methyl ether | U | 5.00 | ug/L | 0.250 | 5.00 |
| 156-60-5 | trans-1,2-Dichloroethylene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 75-34-3 | 1,1-Dichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 78-93-3 | 2-Butanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 67-66-3 | Chloroform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-55-6 | 1,1,1-Trichloroethane | U | 1.00 | ug/L | 0.300 | 1.00 |
| 56-23-5 | Carbon tetrachloride | U | 1.00 | ug/L | 0.250 | 1.00 |
| 107-06-2 | 1,2-Dichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 71-43-2 | Benzene | U | 1.00 | ug/L | 0.300 | 1.00 |
| 79-01-6 | Trichloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 78-87-5 | 1,2-Dichloropropane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-27-4 | Bromodichloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 110-75-8 | 2-Chloroethylvinyl ether | U | 5.00 | ug/L | 1.50 | 5.00 |
| 108-10-1 | 4-Methyl-2-pentanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 10061-01-5 | cis-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-88-3 | Toluene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 10061-02-6 | trans-1,3-Dichloropropylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-00-5 | 1,1,2-Trichloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 591-78-6 | 2-Hexanone | U | 5.00 | ug/L | 1.25 | 5.00 |
| 127-18-4 | Tetrachloroethylene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 124-48-1 | Dibromochloromethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 108-90-7 | Chlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 100-41-4 | Ethylbenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 75-25-2 | Bromoform | U | 1.00 | ug/L | 0.250 | 1.00 |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | U | 1.00 | ug/L | 0.250 | 1.00 |
| 541-73-1 | 1,3-Dichlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 106-46-7 | 1,4-Dichlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |
| 95-50-1 | 1,2-Dichlorobenzene | U | 1.00 | ug/L | 0.250 | 1.00 |

Outfall 001
Sampled 2/8/08

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 202329

METHOD TYPE: SW846

SAMPLE ID: 202329001

CLIENT ID: 25425-001

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 07-FEB-08

LEVEL: Low %SOLIDS:

| <u>CAS No</u> | <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>C</u> | <u>Qual</u> | <u>M</u> | <u>MDL</u> | <u>DF</u> | <u>Instrument ID</u> | <u>Analytical Run</u> |
|---------------|----------------|---------------|--------------|----------|-------------|----------|------------|-----------|----------------------|-----------------------|
| 7429-90-5 | Aluminum | 68 | ug/L | U | | P | 68 | 1 | OPTIMA3 | 021508-3 |
| 7440-36-0 | Antimony | 3 | ug/L | U | | P | 3 | 1 | OPTIMA3 | 021508-3 |
| 7440-38-2 | Arsenic | 1.5 | ug/L | U | | MS | 1.5 | 1 | ICPMS5 | 080214-2 |
| 7440-39-3 | Barium | 16.4 | ug/L | B | | P | 1 | 1 | OPTIMA3 | 021508-3 |
| 7440-41-7 | Beryllium | 1 | ug/L | U | | P | 1 | 1 | OPTIMA3 | 021508-3 |
| 7440-43-9 | Cadmium | 1 | ug/L | U | | P | 1 | 1 | OPTIMA3 | 021508-3 |
| 7440-70-2 | Calcium | 13500 | ug/L | | | P | 30 | 1 | OPTIMA3 | 021508-3 |
| 7440-47-3 | Chromium | 2 | ug/L | U | | P | 2 | 1 | OPTIMA3 | 021508-3 |
| 7440-48-4 | Cobalt | 1 | ug/L | U | | P | 1 | 1 | OPTIMA3 | 021508-3 |
| 7440-50-8 | Copper | 40.3 | ug/L | | | P | 3 | 1 | OPTIMA3 | 021508-3 |
| 7439-89-6 | Iron | 117 | ug/L | | | P | 25 | 1 | OPTIMA3 | 021508-3 |
| 7439-92-1 | Lead | 1.1 | ug/L | B | | MS | 0.5 | 1 | ICPMS5 | 080214-2 |
| 7439-95-4 | Magnesium | 3260 | ug/L | B | | P | 85 | 1 | OPTIMA3 | 021508-3 |
| 7439-96-5 | Manganese | 4.7 | ug/L | B | | P | 2 | 1 | OPTIMA3 | 021508-3 |
| 7439-97-6 | Mercury | 0.030 | ug/L | U | | AV | 0.03 | 1 | MER536 | 022908W1-1 |
| 7440-02-0 | Nickel | 7.1 | ug/L | B | | P | 1 | 1 | OPTIMA3 | 021508-3 |
| 7440-09-7 | Potassium | 4990 | ug/L | B | | P | 50 | 1 | OPTIMA3 | 021508-3 |
| 7782-49-2 | Selenium | 1 | ug/L | U | | MS | 1 | 1 | ICPMS5 | 080214-2 |
| 7440-22-4 | Silver | 1 | ug/L | U | | P | 1 | 1 | OPTIMA3 | 021508-3 |
| 7440-23-5 | Sodium | 37900 | ug/L | | | P | 45 | 1 | OPTIMA3 | 021508-3 |
| 7440-28-0 | Thallium | 0.460 | ug/L | B | | MS | 0.3 | 1 | ICPMS5 | 080214-2 |
| 7440-31-5 | Tin | 2.5 | ug/L | U | | P | 2.5 | 1 | OPTIMA3 | 021508-3 |
| 7440-62-2 | Vanadium | 3.1 | ug/L | B | | P | 1 | 1 | OPTIMA3 | 021508-3 |
| 7440-66-6 | Zinc | 76.3 | ug/L | | | P | 2 | 1 | OPTIMA3 | 021508-3 |

Outfall 001
Sampled 2/6/08
24 hour-composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 202530

METHOD TYPE: SW846

SAMPLE ID: 202530001

CLIENT ID: 25439-001

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 09-FEB-08

LEVEL: Low %SOLIDS:

| <u>CAS No</u> | <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>C</u> | <u>Qual</u> | <u>M</u> | <u>MDL</u> | <u>DF</u> | <u>Instrument ID</u> | <u>Analytical Run</u> |
|---------------|----------------|---------------|--------------|----------|-------------|----------|------------|-----------|----------------------|-----------------------|
| 7429-90-5 | Aluminum | 68 | ug/L | U | | P | 68 | 1 | OPTIMA3 | 021508-5 |
| 7440-36-0 | Antimony | 3 | ug/L | U | | P | 3 | 1 | OPTIMA3 | 021508-5 |
| 7440-38-2 | Arsenic | 1.7 | ug/L | B | | MS | 1.5 | 1 | ICPMS6 | 080226-3 |
| 7440-39-3 | Barium | 18.4 | ug/L | B | | P | 1 | 1 | OPTIMA3 | 021508-5 |
| 7440-41-7 | Beryllium | 1 | ug/L | U | | P | 1 | 1 | OPTIMA3 | 021508-5 |
| 7440-43-9 | Cadmium | 1 | ug/L | U | | P | 1 | 1 | OPTIMA3 | 021508-5 |
| 7440-70-2 | Calcium | 14700 | ug/L | | | P | 30 | 1 | OPTIMA3 | 021508-5 |
| 7440-47-3 | Chromium | 2 | ug/L | U | | P | 2 | 1 | OPTIMA3 | 021508-5 |
| 7440-48-4 | Cobalt | 1 | ug/L | U | | P | 1 | 1 | OPTIMA3 | 021508-5 |
| 7440-50-8 | Copper | 41.5 | ug/L | | | P | 3 | 1 | OPTIMA3 | 021508-5 |
| 7439-89-6 | Iron | 89 | ug/L | B | | P | 25 | 1 | OPTIMA3 | 021508-5 |
| 7439-92-1 | Lead | 1.1 | ug/L | B | | MS | 0.5 | 1 | ICPMS6 | 080227-4 |
| 7439-95-4 | Magnesium | 3560 | ug/L | B | | P | 85 | 1 | OPTIMA3 | 021508-5 |
| 7439-96-5 | Manganese | 5 | ug/L | B | | P | 2 | 1 | OPTIMA3 | 021508-5 |
| 7439-97-6 | Mercury | 0.052 | ug/L | B | | AV | 0.03 | 1 | MER536 | 030308W1-1 |
| 7440-02-0 | Nickel | 7.6 | ug/L | B | | P | 1 | 1 | OPTIMA3 | 021508-5 |
| 7440-09-7 | Potassium | 5650 | ug/L | | | P | 50 | 1 | OPTIMA3 | 021508-5 |
| 7782-49-2 | Selenium | 1 | ug/L | U | | MS | 1 | 1 | ICPMS6 | 080226-3 |
| 7440-22-4 | Silver | 1 | ug/L | U | | P | 1 | 1 | OPTIMA3 | 021508-5 |
| 7440-23-5 | Sodium | 37400 | ug/L | | | P | 45 | 1 | OPTIMA3 | 021508-5 |
| 7440-28-0 | Thallium | 0.510 | ug/L | B | | MS | 0.3 | 1 | ICPMS6 | 080227-4 |
| 7440-31-5 | Tin | 2.5 | ug/L | U | | P | 2.5 | 1 | OPTIMA3 | 021508-5 |
| 7440-62-2 | Vanadium | 3 | ug/L | B | | P | 1 | 1 | OPTIMA3 | 021508-5 |
| 7440-66-6 | Zinc | 78.2 | ug/L | | | P | 2 | 1 | OPTIMA3 | 021508-5 |

Outfall 001
sampled 2/8/08
24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 202329

METHOD TYPE: SW846

SAMPLE ID: 202329003

CLIENT ID: 25425-003

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 07-FEB-08

LEVEL: Low %SOLIDS:

| <u>CAS No</u> | <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>C</u> | <u>Qual</u> | <u>M</u> | <u>MDL</u> | <u>DF</u> | <u>Instrument ID</u> | <u>Analytical Run</u> |
|---------------|----------------|---------------|--------------|----------|-------------|----------|------------|-----------|----------------------|-----------------------|
| 7429-90-5 | Aluminum | 323 | ug/L | | | P | 68 | 1 | OPTIMA3 | 021508-3 |
| 7440-36-0 | Antimony | 3 | ug/L | U | | P | 3 | 1 | OPTIMA3 | 021508-3 |
| 7440-38-2 | Arsenic | 1.5 | ug/L | U | | MS | 1.5 | 1 | ICPMS5 | 080214-2 |
| 7440-39-3 | Barium | 79.9 | ug/L | B | | P | 1 | 1 | OPTIMA3 | 021508-3 |
| 7440-41-7 | Beryllium | 1 | ug/L | U | | P | 1 | 1 | OPTIMA3 | 021508-3 |
| 7440-43-9 | Cadmium | 1 | ug/L | U | | P | 1 | 1 | OPTIMA3 | 021508-3 |
| 7440-70-2 | Calcium | 13700 | ug/L | | | P | 30 | 1 | OPTIMA3 | 021508-3 |
| 7440-47-3 | Chromium | 2.7 | ug/L | B | | P | 2 | 1 | OPTIMA3 | 021508-3 |
| 7440-48-4 | Cobalt | 1.3 | ug/L | B | | P | 1 | 1 | OPTIMA3 | 021508-3 |
| 7440-50-8 | Copper | 204 | ug/L | | | P | 3 | 1 | OPTIMA3 | 021508-3 |
| 7439-89-6 | Iron | 1470 | ug/L | | | P | 25 | 1 | OPTIMA3 | 021508-3 |
| 7439-92-1 | Lead | 10.1 | ug/L | | | MS | 0.5 | 1 | ICPMS5 | 080214-2 |
| 7439-95-4 | Magnesium | 3850 | ug/L | B | | P | 85 | 1 | OPTIMA3 | 021508-3 |
| 7439-96-5 | Manganese | 41.5 | ug/L | | | P | 2 | 1 | OPTIMA3 | 021508-3 |
| 7439-97-6 | Mercury | 0.030 | ug/L | U | | AV | 0.03 | 1 | MER536 | 022908W1-1 |
| 7440-02-0 | Nickel | 11.4 | ug/L | B | | P | 1 | 1 | OPTIMA3 | 021508-3 |
| 7440-09-7 | Potassium | 7870 | ug/L | | | P | 50 | 1 | OPTIMA3 | 021508-3 |
| 7782-49-2 | Selenium | 1 | ug/L | U | | MS | 1 | 1 | ICPMS5 | 080214-2 |
| 7440-22-4 | Silver | 1.1 | ug/L | B | | P | 1 | 1 | OPTIMA3 | 021508-3 |
| 7440-23-5 | Sodium | 43500 | ug/L | | | P | 45 | 1 | OPTIMA3 | 021508-3 |
| 7440-28-0 | Thallium | 0.30 | ug/L | U | | MS | 0.3 | 1 | ICPMS5 | 080214-2 |
| 7440-31-5 | Tin | 10.7 | ug/L | | | P | 2.5 | 1 | OPTIMA3 | 021508-3 |
| 7440-62-2 | Vanadium | 6.2 | ug/L | B | | P | 1 | 1 | OPTIMA3 | 021508-3 |
| 7440-66-6 | Zinc | 149 | ug/L | | | P | 2 | 1 | OPTIMA3 | 021508-3 |

STP Influent
sampled 2/6/08
24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 202530

METHOD TYPE: SW846

SAMPLE ID: 202530003

CLIENT ID: 25439-003

CONTRACT: BRKL00504

MATRIX: W

DATE RECEIVED 09-FEB-08

LEVEL: Low %SOLIDS:

| <u>CAS No</u> | <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>C</u> | <u>Qual</u> | <u>M</u> | <u>MDL</u> | <u>DF</u> | <u>Instrument ID</u> | <u>Analytical Run</u> |
|---------------|----------------|---------------|--------------|----------|-------------|----------|------------|-----------|----------------------|-----------------------|
| 7429-90-5 | Aluminum | 87.1 | ug/L | B | | P | 68 | 1 | OPTIMA3 | 021508-5 |
| 7440-36-0 | Antimony | 3 | ug/L | U | | P | 3 | 1 | OPTIMA3 | 021508-5 |
| 7440-38-2 | Arsenic | 1.5 | ug/L | U | | MS | 1.5 | 1 | ICPMS6 | 080218-2 |
| 7440-39-3 | Barium | 42.6 | ug/L | B | | P | 1 | 1 | OPTIMA3 | 021508-5 |
| 7440-41-7 | Beryllium | 1 | ug/L | U | | P | 1 | 1 | OPTIMA3 | 021508-5 |
| 7440-43-9 | Cadmium | 1 | ug/L | U | | P | 1 | 1 | OPTIMA3 | 021508-5 |
| 7440-70-2 | Calcium | 17200 | ug/L | | | P | 30 | 1 | OPTIMA3 | 021508-5 |
| 7440-47-3 | Chromium | 2 | ug/L | U | | P | 2 | 1 | OPTIMA3 | 021508-5 |
| 7440-48-4 | Cobalt | 1 | ug/L | U | | P | 1 | 1 | OPTIMA3 | 021508-5 |
| 7440-50-8 | Copper | 30.8 | ug/L | | | P | 3 | 1 | OPTIMA3 | 021508-5 |
| 7439-89-6 | Iron | 757 | ug/L | | | P | 25 | 1 | OPTIMA3 | 021508-5 |
| 7439-92-1 | Lead | 7 | ug/L | B | | MS | 0.5 | 1 | ICPMS6 | 080218-2 |
| 7439-95-4 | Magnesium | 5330 | ug/L | | | P | 85 | 1 | OPTIMA3 | 021508-5 |
| 7439-96-5 | Manganese | 42.6 | ug/L | | | P | 2 | 1 | OPTIMA3 | 021508-5 |
| 7439-97-6 | Mercury | 0.550 | ug/L | | | AV | 0.03 | 1 | MER536 | 030308W1-1 |
| 7440-02-0 | Nickel | 5 | ug/L | B | | P | 1 | 1 | OPTIMA3 | 021508-5 |
| 7440-09-7 | Potassium | 7050 | ug/L | | | P | 50 | 1 | OPTIMA3 | 021508-5 |
| 7782-49-2 | Selenium | 1 | ug/L | U | | MS | 1 | 1 | ICPMS6 | 080218-2 |
| 7440-22-4 | Silver | 1 | ug/L | U | | P | 1 | 1 | OPTIMA3 | 021508-5 |
| 7440-23-5 | Sodium | 42100 | ug/L | | | P | 45 | 1 | OPTIMA3 | 021508-5 |
| 7440-28-0 | Thallium | 0.30 | ug/L | U | | MS | 0.3 | 1 | ICPMS6 | 080218-2 |
| 7440-31-5 | Tin | 2.5 | ug/L | U | | P | 2.5 | 1 | OPTIMA3 | 021508-5 |
| 7440-62-2 | Vanadium | 2.9 | ug/L | B | | P | 1 | 1 | OPTIMA3 | 021508-5 |
| 7440-66-6 | Zinc | 79.1 | ug/L | | | P | 2 | 1 | OPTIMA3 | 021508-5 |

STP Influent
Sampled 2/8/08
24 hour composite

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 202329

METHOD TYPE: EPA

SAMPLE ID: 202329005

CLIENT ID: 25425-005

CONTRACT: BRKL00504

MATRIX:W

DATE RECEIVED 07-FEB-08

LEVEL: Low %SOLIDS:

| <u>CAS No</u> | <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>C</u> | <u>Qual</u> | <u>M</u> | <u>MDL</u> | <u>DF</u> | <u>Instrument ID</u> | <u>Analytical Run</u> |
|---------------|----------------|---------------|--------------|----------|-------------|----------|------------|-----------|----------------------|-----------------------|
| 7439-97-6 | Mercury | 63.8 | ng/L | | | AF | 0.4 | 2 | LLHG | |

~~Outfall~~
Clarifier Effluent
Sampled 2/6/08
24 hour-composite
(time weighted)

METALS
-1-
INORGANICS ANALYSIS DATA PACKAGE

SDG No: 202530-1

METHOD TYPE: EPA

SAMPLE ID: 202543001

CLIENT ID: 25439-005

CONTRACT: BRKL00504

MATRIX:W

DATE RECEIVED 09-FEB-08

LEVEL: Low %SOLIDS:

| <u>CAS No</u> | <u>Analyte</u> | <u>Result</u> | <u>Units</u> | <u>C</u> | <u>Qual</u> | <u>M</u> | <u>MDL</u> | <u>DF</u> | <u>Instrument ID</u> | <u>Analytical Run</u> |
|---------------|----------------|---------------|--------------|----------|-------------|----------|------------|-----------|----------------------|-----------------------|
| 7439-97-6 | Mercury | 42.4 | ng/L | | | AF | 0.4 | 2 | LLHG2 | 022808 |

~~☒~~
Clarifier Effluent
Sampled 2/8/08
24-hour composite
(time weighted)

GEL LABORATORIES LLC

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

Certificate of Analysis

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

Report Date: March 4, 2008

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

| | | | |
|-------------------|-----------------|---------------|--------------|
| Client Sample ID: | 25425-001 | Project: | BRKL00504 |
| Sample ID: | 202329001 | Client ID: | BRKL005 |
| Matrix: | Water | COC: | 25425 |
| Collect Date: | 06-FEB-08 10:50 | Samp Recv.: | |
| Receive Date: | 07-FEB-08 08:45 | Client Desc.: | STP Effluent |
| Collector: | Client | | |

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|--|-----------|--------|-------|-------|-------|----|---------|----------|------|--------|--------|
| Ion Chromatography Federal | | | | | | | | | | | |
| <i>EPA 300.0 Nitrite in Liquid</i> | | | | | | | | | | | |
| Nitrate-N | | 6.67 | 0.033 | 0.100 | mg/L | 1 | VH1 | 02/07/08 | 2114 | 724903 | 1 |
| Nitrite-N | U | 0.00 | 0.033 | 0.100 | mg/L | 1 | | | | | |
| Micro-biology Federal | | | | | | | | | | | |
| <i>EPA 405.1 BOD, 5DAY Federal</i> | | | | | | | | | | | |
| BOD, 5 DAY | d | -0.227 | 1.00 | 2.00 | mg/L | | LXH2 | 02/08/08 | 0807 | 724928 | 2 |
| Nutrient Analysis | | | | | | | | | | | |
| <i>EPA 353.2 Nitrogen, Nitrate/Nitrite</i> | | | | | | | | | | | |
| Nitrogen, Nitrate/Nitrite | | 8.03 | 0.250 | 1.25 | mg/L | 25 | AXH3 | 02/11/08 | 1210 | 725080 | 3 |
| Nutrient Analysis Federal | | | | | | | | | | | |
| <i>EPA 350.1 Nitrogen, Ammonia L</i> | | | | | | | | | | | |
| Nitrogen, Ammonia | J | 0.030 | 0.030 | 0.050 | mg/L | 1 | AXH3 | 02/11/08 | 1350 | 725527 | 4 |
| <i>EPA 351.2/353.1 Total Nitrogen</i> | | | | | | | | | | | |
| Total Nitrogen | | 8.53 | 0.250 | 1.25 | mg/L | 1 | AXH3 | 02/12/08 | 1324 | 725079 | 5 |
| <i>EPA 365.4 Phosphorus, Total in</i> | | | | | | | | | | | |
| Phosphorus, Total as P | | 1.34 | 0.024 | 0.050 | mg/L | 1 | AXH3 | 02/12/08 | 1428 | 725074 | 6 |
| <i>Nitrogen, Total Kjeldahl (TKN)</i> | | | | | | | | | | | |
| Nitrogen, Total Kjeldahl | | 0.509 | 0.029 | 0.100 | mg/L | 1 | AXH3 | 02/12/08 | 1129 | 725078 | 7 |
| Solids Analysis Federal | | | | | | | | | | | |
| <i>EPA 160.2 Total Suspended Liq</i> | | | | | | | | | | | |
| Total Suspended Solids | U | 0.200 | 0.570 | 2.50 | mg/L | | NXM | 02/08/08 | 1040 | 725118 | 8 |

The following Prep Methods were performed

| Method | Description | Analyst | Date | Time | Prep Batch |
|----------------|--|---------|----------|------|------------|
| EPA 350.2 Prep | EPA 350.1 Ammonia Nitrogen Prep | AXH3 | 02/11/08 | 1125 | 725526 |
| EPA 351.2 Prep | EPA 351.2 Total Kjeldahl Nitrogen Prep | SXK1 | 02/08/08 | 1422 | 725077 |
| EPA 365.4 Prep | EPA 365.4 Phosphorus, Total in liquid-Fe | SXK1 | 02/08/08 | 1423 | 725073 |

The following Analytical Methods were performed

| Method | Description | Analyst Comments |
|--------|-------------|--|
| 1 | EPA 300.0 | Outfall 001 Sampled 2/6/08 24 hour composite |
| 2 | EPA 405.1 | |
| 3 | EPA 353.2 | |

GEL LABORATORIES LLC

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

Certificate of Analysis

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

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

Report Date: March 6, 2008

| | | | |
|-------------------|-----------------|---------------|-----------|
| Client Sample ID: | 25439-001 | Project: | BRKL00504 |
| Sample ID: | 202530001 | Client ID: | BRKL005 |
| Matrix: | Water | COC: | 25439 |
| Collect Date: | 08-FEB-08 10:30 | Samp Recv.: | |
| Receive Date: | 09-FEB-08 09:10 | Client Desc.: | |
| Collector: | Client | | |

| Parameter | Qualifier | Result | DL | RL | Units | DF | AnalystDate | Time | Batch | Method |
|--|-----------|--------|-------|-------|-------|----|---------------|------|--------|--------|
| Ion Chromatography Federal | | | | | | | | | | |
| <i>EPA 300.0 Nitrite in Liquid</i> | | | | | | | | | | |
| Nitrite-N | U | 0.00 | 0.033 | 0.100 | mg/L | 1 | VXP1 02/09/08 | 2259 | 725502 | 1 |
| Micro-biology Federal | | | | | | | | | | |
| <i>EPA 405.1 BOD, 5DAY Federal</i> | | | | | | | | | | |
| BOD, 5 DAY | Ud | -0.381 | 2.00 | 4.00 | mg/L | | LXH2 02/10/08 | 0929 | 725508 | 2 |
| Nutrient Analysis | | | | | | | | | | |
| <i>EPA 353.2 Nitrogen, Nitrate/Nitrite</i> | | | | | | | | | | |
| Nitrogen, Nitrate/Nitrite | | 8.66 | 0.100 | 0.500 | mg/L | 10 | AXH3 02/11/08 | 1150 | 725542 | 3 |
| Nutrient Analysis Federal | | | | | | | | | | |
| <i>EPA 350.1 Nitrogen, Ammonia L</i> | | | | | | | | | | |
| Nitrogen, Ammonia | U | 0.007 | 0.030 | 0.050 | mg/L | 1 | AXH3 02/11/08 | 1416 | 725527 | 4 |
| <i>EPA 351.2/353.1 Total Nitrogen</i> | | | | | | | | | | |
| Total Nitrogen | | 9.23 | 0.100 | 0.500 | mg/L | 1 | AXH3 02/12/08 | 1324 | 725810 | 5 |
| <i>EPA 365.4 Phosphorus, Total in</i> | | | | | | | | | | |
| Phosphorus, Total as P | | 1.43 | 0.024 | 0.050 | mg/L | 1 | AXH3 02/13/08 | 1427 | 725531 | 6 |
| <i>Nitrogen, Total Kjeldahl (TKN)</i> | | | | | | | | | | |
| Nitrogen, Total Kjeldahl | | 0.568 | 0.029 | 0.100 | mg/L | 1 | AXH3 02/12/08 | 1046 | 725529 | 7 |
| Solids Analysis Federal | | | | | | | | | | |
| <i>EPA 160.2 Total Suspended Liq</i> | | | | | | | | | | |
| Total Suspended Solids | U | 0.222 | 0.633 | 2.78 | mg/L | | NXM 02/11/08 | 1324 | 725766 | 8 |

The following Prep Methods were performed

| Method | Description | Analyst | Date | Time | Prep Batch |
|----------------|--|---------|----------|------|------------|
| EPA 350.2 Prep | EPA 350.1 Ammonia Nitrogen Prep | AXH3 | 02/11/08 | 1125 | 725526 |
| EPA 351.2 Prep | EPA 351.2 Total Kjeldahl Nitrogen Prep | SXX1 | 02/11/08 | 1506 | 725528 |
| EPA 365.4 Prep | EPA 365.4 Phosphorus, Total in liquid-Fe | SXX1 | 02/11/08 | 1507 | 725530 |

The following Analytical Methods were performed

| Method | Description | Analyst Comments |
|--------|-------------|--|
| 1 | EPA 300.0 | Outfall 001 Sampled 2/8/08 24 hour composite |
| 2 | EPA 405.1 | |
| 3 | EPA 353.2 | |

GEL LABORATORIES LLC

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

Certificate of Analysis

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

Report Date: March 4, 2008

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

Client Sample ID: 25425-002
Sample ID: 202329002
Matrix: Water
Collect Date: 06-FEB-08 14:00
Receive Date: 07-FEB-08 08:45
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25425
Samp Recv.:
Client Desc.: STP Effluent

| Parameter | Qualifier | Result | DL | RL | Units | DF | AnalystDate | Time | Batch | Method |
|--|-----------|--------|------|------|-------|----|---------------|------|--------|--------|
| Flow Injection Analysis Federal | | | | | | | | | | |
| <i>SW9012A Cyanide, Total Federal</i> | | | | | | | | | | |
| Cyanide, Total | J | 1.91 | 1.50 | 5.00 | ug/L | 1 | KLP1 02/11/08 | 1332 | 725085 | 1 |

The following Prep Methods were performed

| Method | Description | Analyst | Date | Time | Prep Batch |
|------------------|------------------|---------|----------|------|------------|
| SW846 9010B Prep | SW846 9010B Prep | AXS5 | 02/08/08 | 1331 | 725083 |

The following Analytical Methods were performed

| Method | Description | Analyst Comments |
|--------|-------------|------------------|
| 1 | SW846 9012A | |

Outfall 001
Sampled 2/6/08
Grab

GEL LABORATORIES LLC

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Certificate of Analysis

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

Report Date: March 6, 2008

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

Client Sample ID: 25439-002
Sample ID: 202530002
Matrix: Water
Collect Date: 08-FEB-08 13:30
Receive Date: 09-FEB-08 09:10
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25439
Samp Recv.:
Client Desc.:

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|--|-----------|--------|------|------|-------|----|---------|----------|------|--------|--------|
| Flow Injection Analysis Federal | | | | | | | | | | | |
| <i>SW9012A Cyanide, Total Federal</i> | | | | | | | | | | | |
| Cyanide, Total | J | 4.87 | 1.50 | 5.00 | ug/L | 1 | KLP1 | 02/11/08 | 1631 | 725611 | 1 |

The following Prep Methods were performed

| Method | Description | Analyst | Date | Time | Prep Batch |
|------------------|------------------|---------|----------|------|------------|
| SW846 9010B Prep | SW846 9010B Prep | AXS5 | 02/11/08 | 1151 | 725584 |

The following Analytical Methods were performed

| Method | Description | Analyst Comments |
|--------|-------------|------------------|
| 1 | SW846 9012A | |

Outfall 001
Sampled 2/8/08
Grab

GEL LABORATORIES LLC

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Certificate of Analysis

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

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

Report Date: March 4, 2008

Client Sample ID: 25425-003
Sample ID: 202329003
Matrix: Water
Collect Date: 06-FEB-08 11:45
Receive Date: 07-FEB-08 08:45
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25425
Samp Recv.:
Client Desc.: STP Influent

| Parameter | Qualifier | Result | DL | RL | Units | DF | AnalystDate | Time | Batch | Method |
|--------------------------------------|-----------|--------|------|------|-------|----|--------------|------|--------|--------|
| Solids Analysis Federal | | | | | | | | | | |
| <i>EPA 160.2 Total Suspended Liq</i> | | | | | | | | | | |
| Total Suspended Solids | | 62.4 | 2.68 | 11.7 | mg/L | | NXM 02/08/08 | 1040 | 725118 | 1 |

The following Analytical Methods were performed

| Method | Description | Analyst Comments |
|--------|-------------|------------------|
| 1 | EPA 160.2 | |

STP Influent
Sampled 2/6/08
24 hour composite

GEL LABORATORIES LLC

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

Certificate of Analysis

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

Report Date: March 6, 2008

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

Client Sample ID: 25439-003
Sample ID: 202530003
Matrix: Water
Collect Date: 08-FEB-08 11:35
Receive Date: 09-FEB-08 09:10
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25439
Samp Recv.:
Client Desc.:

| Parameter | Qualifier | Result | DL | RL | Units | DF | AnalystDate | Time | Batch | Method |
|--------------------------------------|-----------|--------|------|------|-------|----|--------------|------|--------|--------|
| Solids Analysis Federal | | | | | | | | | | |
| <i>EPA 160.2 Total Suspended Liq</i> | | | | | | | | | | |
| Total Suspended Solids | | 62.0 | 2.85 | 12.5 | mg/L | | NXM 02/11/08 | 1324 | 725766 | 1 |

The following Analytical Methods were performed

| Method | Description | Analyst Comments |
|--------|-------------|------------------|
| 1 | EPA 160.2 | |

STP Influent
Sampled 2/8/08
24 hour composite

ATTACHMENT III

BROOKHAVEN NATIONAL LABORATORY

SPDES PERMIT NO. NY0005835

DISCHARGE MONITORING REPORT FOR FEBRUARY 2008

ANALYTICAL RESULTS FROM

GENERAL ENGINEERING LABORATORIES, LLC,

FOR REGULATORY COMPLIANCE SAMPLES COLLECTED FROM

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

GEL LABORATORIES LLC

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

Certificate of Analysis

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

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

Report Date: March 4, 2008

Client Sample ID: 25459-002
Sample ID: 202761002
Matrix: Water
Collect Date: 13-FEB-08 10:00
Receive Date: 14-FEB-08 09:50
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25459
Samp Recv.:
Client Desc.: 1004/1002

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | Meth |
|---|-----------|--------|------|------|-------|----|---------|----------|------|--------|------|
| Oil & Grease Analysis Federal | | | | | | | | | | | |
| <i>EPA 1664A n-Hexane Extractable Material (Oil and G</i> | | | | | | | | | | | |
| Oil and Grease | J | 2.70 | 1.40 | 5.00 | mg/L | | JXT1 | 03/04/08 | 0856 | 732348 | 1 |

The following Analytical Methods were performed

| Method | Description | Analyst Comments |
|--------|-------------|------------------|
| 1 | EPA 1664A | |

Outfall 002B (1004/1002)
Sampled 2/13/08

GEL LABORATORIES LLC

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

Certificate of Analysis

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

Report Date: March 5, 2008

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

Client Sample ID: 25443-003
Sample ID: 202578003
Matrix: Water
Collect Date: 08-FEB-08 15:25
Receive Date: 12-FEB-08 09:35
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25443
Samp Recv.:
Client Desc.: HN

| Parameter | Qualifier | Result | DL | RL | Units | DF | AnalystDate | Time | Batch | Method |
|---|-----------|--------|------|------|-------|------|-------------|------|--------|--------|
| Oil & Grease Analysis Federal | | | | | | | | | | |
| <i>EPA 1664A n-Hexane Extractable Material (Oil and G</i> | | | | | | | | | | |
| Oil and Grease | U | 1.30 | 1.40 | 5.00 | mg/L | JXT1 | 02/28/08 | 1027 | 731139 | 1 |

The following Analytical Methods were performed

| Method | Description | Analyst Comments |
|--------|-------------|------------------|
| 1 | EPA 1664A | |

Outfall 002 (HN)
sampled 2/8/08

GEL LABORATORIES LLC

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

Certificate of Analysis

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

Report Date: March 4, 2008

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

| | | | |
|-------------------|-----------------|---------------|-----------|
| Client Sample ID: | 25459-001 | Project: | BRKL00504 |
| Sample ID: | 202761001 | Client ID: | BRKL005 |
| Matrix: | Water | COC: | 25459 |
| Collect Date: | 13-FEB-08 10:30 | Samp Recv.: | |
| Receive Date: | 14-FEB-08 09:50 | Client Desc.: | HS |
| Collector: | Client | | |

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | Meth |
|---|-----------|--------|------|------|-------|----|---------|----------|------|--------|------|
| Oil & Grease Analysis Federal | | | | | | | | | | | |
| <i>EPA 1664A n-Hexane Extractable Material (Oil and G</i> | | | | | | | | | | | |
| Oil and Grease | J | 2.80 | 1.40 | 5.00 | mg/L | | JXT1 | 03/04/08 | 0856 | 732348 | 1 |

The following Analytical Methods were performed

| Method | Description | Analyst Comments |
|--------|-------------|------------------|
| 1 | EPA 1664A | |

Outfall 005 (HS)
Sampled 2/13/08

GEL LABORATORIES LLC

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

Certificate of Analysis

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

Report Date: March 5, 2008

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

Client Sample ID: 25443-001
Sample ID: 202578001
Matrix: Water
Collect Date: 08-FEB-08 15:38
Receive Date: 12-FEB-08 09:35
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25443
Samp Recv.:
Client Desc.: HTW

| Parameter | Qualifier | Result | DL | RL | Units | DF | AnalystDate | Time | Batch | Method |
|---|-----------|--------|------|------|-------|----|---------------|------|--------|--------|
| Oil & Grease Analysis Federal | | | | | | | | | | |
| <i>EPA 1664A n-Hexane Extractable Material (Oil and G</i> | | | | | | | | | | |
| Oil and Grease | J | 1.90 | 1.40 | 5.00 | mg/L | | JXT1 02/28/08 | 1003 | 731139 | 1 |

The following Analytical Methods were performed

| Method | Description | Analyst Comments |
|--------|-------------|------------------|
| 1 | EPA 1664A | |

Outfall 006A (AT-w)
Sampled 2/8/08

GEL LABORATORIES LLC

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

Certificate of Analysis

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

Report Date: March 5, 2008

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

Client Sample ID: 25443-002
Sample ID: 202578002
Matrix: Water
Collect Date: 08-FEB-08 15:30
Receive Date: 12-FEB-08 09:35
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25443
Samp Recv.:
Client Desc.: HTE

| Parameter | Qualifier | Result | DL | RL | Units | DF | AnalystDate | Time | Batch | Method |
|---|-----------|--------|------|------|-------|------|-------------|------|--------|--------|
| Oil & Grease Analysis Federal | | | | | | | | | | |
| <i>EPA 1664A n-Hexane Extractable Material (Oil and G</i> | | | | | | | | | | |
| Oil and Grease | J | 1.50 | 1.40 | 5.00 | mg/L | JXT1 | 02/28/08 | 1003 | 731139 | 1 |

The following Analytical Methods were performed

| Method | Description | Analyst Comments |
|--------|-------------|------------------|
| 1 | EPA 1664A | |

Outfall 006B (HT-E)
Sampled 2/8/08

Volatile
Certificate of Analysis
Sample Summary

| | | |
|-----------------------------|----------------------------------|----------------------|
| SDG Number: 202171 | Date Collected: 02/01/2008 15:00 | Matrix: WATER |
| Lab Sample ID: 202171002 | Date Received: 02/05/2008 10:00 | |
| Client Sample: HW | Client: BRKL005 | Project: BRKL00504 |
| Client ID: 25414-002 | Method: EPA 624 | SOP Ref: GL-OA-E-026 |
| Batch ID: 724843 | Inst: VOA5.I | Dilution: 1 |
| Run Date: 02/07/2008 13:01 | Analyst: DXK1 | Purge Vol: 5 mL |
| Prep Date: 02/07/2008 13:01 | | |
| Data File: 5w408.d | Column: DB-624 | Level: LOW |

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

Outfall 008(HW)
Sampled 2/1/08

GEL LABORATORIES LLC

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

Certificate of Analysis

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

Report Date: February 21, 2008

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

Client Sample ID: 25414-002
Sample ID: 202171002
Matrix: Water
Collect Date: 01-FEB-08 15:00
Receive Date: 05-FEB-08 10:00
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25414
Samp Recv.:
Client Desc.: HW

| Parameter | Qualifier | Result | DL | RL | Units | DF | AnalystDate | Time | Batch | Method |
|---|-----------|--------|------|------|-------|------|-------------|------|--------|--------|
| Oil & Grease Analysis Federal | | | | | | | | | | |
| <i>EPA 1664A n-Hexane Extractable Material (Oil and G</i> | | | | | | | | | | |
| Oil and Grease | J | 1.60 | 1.40 | 5.00 | mg/L | JXT1 | 02/07/08 | 0855 | 724735 | 1 |

The following Analytical Methods were performed

| Method | Description | Analyst Comments |
|--------|-------------|------------------|
| 1 | EPA 1664A | |

Outfall 008 (HW)
Sampled 2/1/08

GEL LABORATORIES LLC

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

Certificate of Analysis

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

Report Date: February 21, 2008

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

Client Sample ID: 25414-003
Sample ID: 202171003
Matrix: Water
Collect Date: 01-FEB-08 14:30
Receive Date: 05-FEB-08 10:00
Collector: Client

Project: BRKL00504
Client ID: BRKL005
COC: 25414
Samp Recv.:
Client Desc.: CSF Outfall

| Parameter | Qualifier | Result | DL | RL | Units | DF | Analyst | Date | Time | Batch | Method |
|---|-----------|--------|------|------|-------|------|----------|------|--------|-------|--------|
| Oil & Grease Analysis Federal | | | | | | | | | | | |
| <i>EPA 1664A n-Hexane Extractable Material (Oil and G</i> | | | | | | | | | | | |
| Oil and Grease | J | 1.90 | 1.40 | 5.00 | mg/L | JXT1 | 02/07/08 | 0855 | 724735 | 1 | |

The following Analytical Methods were performed

| Method | Description | Analyst Comments |
|--------|-------------|------------------|
| 1 | EPA 1664A | |

Outfall 010 (CSF)
Sampled 2/1/08