



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

November 10, 2009

Ms. Kathleen Newcomer  
Suffolk County Department of Health Services  
Office of Water Resources  
Bureau of Drinking Water  
Suite 1C  
360 Yaphank Avenue  
Yaphank, New York 11980

Dear Ms. Kathleen Newcomer:

**Subject: Monthly Water Treatment Plant Reports**  
**Reference: Suffolk County Minimum Monitoring Requirements for October 2009**

In accordance with the requirements of the BNL Potable Water System Sampling Plan and the 2009 SCDHS Minimum Monitoring Requirements for the BNL Potable Water Supply, included please find the following attachments for your records:

- Attachment I: BNL Potable Water Monthly Operational Data for October.
- Attachment II: October 2009 Biweekly and Fourth Quarter Water Quality Monitoring Data for the BNL Distribution System and Potable Water Wells.
- Attachment III: October 2009 Stage 1 Disinfectants & Disinfection Byproduct Rule Monitoring Data and Bacteriological Analyses for the BNL Distribution System.

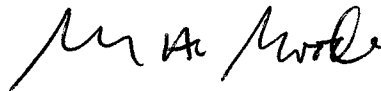
Collection and analysis of these samples is performed in accordance with the guidelines of the BNL Quality Assurance program, the SCDHS Community Water Supply Monitoring Requirements, and the BNL Potable Water System Sampling Plan. Plant Engineering Division personnel using standard operating procedures collect routine monitoring samples; a contractor laboratory using standard methods of analysis performs the subsequent analyses. The Quality Assurance documentation is available from the Environmental Protection Division and Plant Engineering Divisions. Based on this information, we believe the values contained in these reports are representative of the BNL potable water system and review of the analytical data shows that BNL's potable water system complied with all drinking water requirements during this reporting period.



Registered to  
ISO 14001

Should there be any questions regarding this report or the analytical or operational data contained herein, please call either J. Higbie at (631) 344-5919, R. Lee at (631) 344-3148, or W. Chaloupka at (631) 344-7136.

Sincerely,



George A. Goode  
Manager, Environmental Protection Division

GAG/RJL:jlh

Attachments: As noted

|     |                   |                 |
|-----|-------------------|-----------------|
| cc: | W. Chaloupka      | w/attachments   |
|     | D. Feldman, SCDHS | w/attachments   |
|     | G. Granzen        | w/attachments   |
|     | G. Goode          | w/o attachments |
|     | J. Higbie         | w/attachments   |
|     | R. Lee            | w/attachments   |
|     | E. Murphy         | w/attachments   |
|     | C. Parnell        | w/o attachments |
|     | J. Hime, SCDHS    | w/o attachments |
|     | L. Ross           | w/o attachments |

File: EC61ER.09

**ATTACHMENT I**

**Brookhaven National Laboratory**

**Potable Water Supply**

**Monthly Operational Data for October 2009**

**for the BNL Potable Water System**

Bureau of Water Supply Protection

|                                |                      |                        |   |
|--------------------------------|----------------------|------------------------|---|
| Public Water System Name       | Reporting Month/Year | Date Report Submitted  | Source Water Type(s)  |
| Brookhaven National Laboratory | OCTOBER 2009         | 10/30/2009             | <input type="checkbox"/> Surface <input checked="" type="checkbox"/> Ground <input type="checkbox"/> GWUDI                        |
| Public Water System ID         | County               | Town, Village, or City | <input type="checkbox"/> Purchase with subsequent chlorination<br><input type="checkbox"/> Purchase w/out subsequent chlorination |
| 5111891                        | Suffolk              | Upton, New York 11973  |   |

| DATE         | Source(s) in Use Well(s) No.: | Treated water volume (1,000 gallons/day) | Chlorination           |                              |   |  | Other Treatments / Readings       |                             |                         |                 |
|--------------|-------------------------------|--|------------------------|------------------------------|---|--|-----------------------------------|-----------------------------|-------------------------|-----------------|
|              |                               |  | Gaseous                |                              | Liquid                                      | Free chlorine residual at entry point (mg/l) (WTF-624) | Hypochlorite used/day (WTF - 624) | pH Lime Softening (WTF-624) | pH (Incoming RAW Water) | Daily Totalizer |
|              |                               |  | Cylinder weight (lbs.) | Chlorine used per day (lbs.) | Hypochlorite (gallons Hypochlorite in Tank) |  |                                   |                             |                         |                 |
|              |                               |  |                        |                              | 117   |  |                                   |                             |                         | 1,335,480       |
| 1            | 6+7                           | 373                                      | NR                     | NR                           | 115   | 0.12   | 2                                 | 7.7                         | 6.0                     | 1,335,853       |
| 2            | 6+7                           | 282                                      | NR                     | NR                           | 112   | 0.01   | 3                                 | 8.2                         | 6.0                     | 1,336,135       |
| 3            |                               | -  |                        |                              |   |  |                                   |                             |                         |                 |
| 4            |                               | -  |                        |                              |   |  |                                   |                             |                         |                 |
| 5            | 6+7                           | 932                                      | NR                     | NR                           | 100   | 0.25   | 12                                | 8.4                         | 6.0                     | 1,337,067       |
| 6            | 6+7                           | 287                                      | NR                     | NR                           | 95  | 0.04   | 5                                 | 8.4                         | 5.9                     | 1,337,354       |
| 7            | 6+7                           | 363                                      | NR                     | NR                           | 90  | 0.46   | 5                                 | 8.5                         | 6.0                     | 1,337,717       |
| 8            | 6+7                           | 331                                      | NR                     | NR                           | 143   | 0.14   | 5                                 | 8.6                         | 6.0                     | 1,338,048       |
| 9            | 6+7                           | 610                                      | NR                     | NR                           | 140   | 0.05   | 3                                 | 8.8                         | 6.0                     | 1,338,658       |
| 10           |                               | -  |                        |                              |   |  |                                   |                             |                         |                 |
| 11           |                               | -  |                        |                              |   |  |                                   |                             |                         |                 |
| 12           | 7+6                           | 2,231                                    | NR                     | NR                           | 118   | 0.17   | 22                                | 7.4                         | 6.0                     | 1,340,889       |
| 13           | 7+6                           | 816                                      | NR                     | NR                           | 110   | 0.30   | 8                                 | 7.4                         | 6.0                     | 1,341,705       |
| 14           | 7+6                           | 834                                      | NR                     | NR                           | 95  | 0.04   | 15                                | 7.5                         | 6.0                     | 1,342,539       |
| 15           | 7+6                           | 818                                      | NR                     | NR                           | 85  | 0.20   | 10                                | 7.5                         | 6.0                     | 1,343,357       |
| 16           | 7+6                           | 761                                      | NR                     | NR                           | 80  | 0.27   | 5                                 | 7.8                         | 6.0                     | 1,344,118       |
| 17           |                               | -  |                        |                              |   |  |                                   |                             |                         |                 |
| 18           |                               | -  |                        |                              |   |  |                                   |                             |                         |                 |
| 19           | 7+6                           | 2,019                                    | NR                     | NR                           | 60  | 0.83   | 20                                | 8.1                         | 6.0                     | 1,346,137       |
| 20           | 7+6                           | 836                                      | NR                     | NR                           | 50  | 0.69   | 10                                | 8.2                         | 6.1                     | 1,346,973       |
| 21           | 7+6                           | 814                                      | NR                     | NR                           | 40+60                                       | 1.05   | 10                                | 7.8                         | 6.0                     | 1,347,787       |
| 22           | 7+6                           | 824                                      | NR                     | NR                           | 90+90                                       | 0.44   | 10                                | 7.9                         | 5.8                     | 1,348,611       |
| 23           | 7+6                           | 890                                      | NR                     | NR                           | 175   | 0.95   | 5                                 | 7.9                         | 6.0                     | 1,349,501       |
| 24           |                               | -  |                        |                              |   |  |                                   |                             |                         |                 |
| 25           |                               | -  |                        |                              |   |  |                                   |                             |                         |                 |
| 26           | 7+6+4                         | 2,156                                    | NR                     | NR                           | 142   | 0.88   | 33                                | 7.8                         | 6.0                     | 1,351,657       |
| 27           | 7+6+4                         | 766                                      | NR                     | NR                           | 142   | 0.95   |                                   | 7.7                         | 6.0                     | 1,352,423       |
| 28           | 7+6+4                         | 782                                      | NR                     | NR                           | 139   | 1.30   | 3                                 | 8.0                         | 6.1                     | 1,353,205       |
| 29           | 7+6+4                         | 857                                      | NR                     | NR                           | 132   | 1.60   | 7                                 | 8.0                         | 6.0                     | 1,354,062       |
| 30           | 7+6+4                         | 862                                      | NR                     | NR                           | 128   | 0.77   | 4                                 | 8.1                         | 6.0                     | 1,354,924       |
| 31           |                               | -  |                        |                              |   |  |                                   |                             |                         |                 |
| <b>Total</b> |                               | 19,444                                   | DAY'S                  | 30                           |   |  | 197                               |                             |                         |                 |
| <b>AVG.</b>  |                               | 627.23                                   |                        |                              |   | 0.52   | 8.95                              |                             |                         |                 |

Chlorine Mix Ratio = \_\_\_\_\_ quarts/gallons of \_\_\_\_\_ % chlorine added to \_\_\_\_\_ gallons of water in crock

Reported by: Lowell Ross Title: Water Systems Supervisor NYS DOH Operator Certification Number: NY0031941

Signature: *Lowell Ross* Date: 11-4-09 Operator Grade Level: 1A-SW/GUI

|                                |                      |                        |   |
|--------------------------------|----------------------|------------------------|---|
| Public Water System Name       | Reporting Month/Year | Date Report Submitted  | Source Water Type(s)  |
| Brookhaven National Laboratory | OCTOBER 2009         | 10/30/2009             | <input type="checkbox"/> Surface <input checked="" type="checkbox"/> Ground <input type="checkbox"/> GWUDI                        |
| Public Water System ID         | County               | Town, Village, or City | <input type="checkbox"/> Purchase with subsequent chlorination<br><input type="checkbox"/> Purchase w/out subsequent chlorination |
| 5111891                        | Suffolk              | Upton, New York 11973  |   |

| DATE         | Source(s) in Use<br>Well No.: 4 | Treated water volume (1,000 gallons/day) | Chlorination           |                              |   |  | Other Treatments / Readings |  |           | Daily Totalizer |
|--------------|---------------------------------|--|------------------------|------------------------------|---|--|-----------------------------|--|-----------|-----------------|
|              |                                 |  | Gaseous                |                              | Liquid                                      | Free chlorine residual at entry point (mg/l) | Hypochlorite used/day       |  |           |                 |
|              |                                 |  | Cylinder weight (lbs.) | Chlorine used per day (lbs.) | Hypochlorite (gallons Hypochlorite in Tank) |  |                             |  |           |                 |
|              |                                 |  |                        |                              | 93  |  |                             |  | 1,917,730 |                 |
| 1            | 4                               |  | NA                     | NA                           | 93  |  |                             |  | 1,917,730 |                 |
| 2            | 4                               |  | NA                     | NA                           | 93  |  |                             |  | 1,917,730 |                 |
| 3            |                                 |  |                        |                              |   |  |                             |  |           |                 |
| 4            |                                 | -  |                        |                              |   |  |                             |  |           |                 |
| 5            | 4                               | -  | NA                     | NA                           | 93  | NR   |                             |  | 1,917,730 |                 |
| 6            | 4                               | -  | NA                     | NA                           | 93  | NR   |                             |  | 1,917,730 |                 |
| 7            | 4                               | -  | NA                     | NA                           | 93  | NR   |                             |  | 1,917,730 |                 |
| 8            | 4                               | -  | NA                     | NA                           | 93  | NR   |                             |  | 1,917,730 |                 |
| 9            | 4                               | -  | NA                     | NA                           | 93  | NR   |                             |  | 1,917,730 |                 |
| 10           |                                 | -  |                        |                              |   |  |                             |  |           |                 |
| 11           |                                 | -  |                        |                              |   |  |                             |  |           |                 |
| 12           | 4                               | -  | NA                     | NA                           | 93  | NR   |                             |  | 1,917,730 |                 |
| 13           | 4                               | -  | NA                     | NA                           | 93  | NR   |                             |  | 1,917,730 |                 |
| 14           | 4                               | -  | NA                     | NA                           | 93  | NR   |                             |  | 1,917,730 |                 |
| 15           | 4                               | -  | NA                     | NA                           | 93  | NR   |                             |  | 1,917,730 |                 |
| 16           | 4                               | 149                                      | NA                     | NA                           | 89  | NR   | 4                           |  | 1,917,879 |                 |
| 17           |                                 | -  |                        |                              |   |  |                             |  |           |                 |
| 18           |                                 | -  |                        |                              |   |  |                             |  |           |                 |
| 19           | 4                               | 445                                      | NA                     | NA                           | 75  | 0.83   | 14                          |  | 1,918,324 |                 |
| 20           | 4                               | 234                                      | NA                     | NA                           | 69  | 0.69   | 6                           |  | 1,918,558 |                 |
| 21           | 4                               | 241                                      | NA                     | NA                           | 63  | 0.43   | 6                           |  | 1,918,799 |                 |
| 22           | 4                               | 244                                      | NA                     | NA                           | 55+55                                       | 0.64   | 8                           |  | 1,919,043 |                 |
| 23           | 4                               | 324                                      | NA                     | NA                           | 102   | 0.23   | 8                           |  | 1,919,367 |                 |
| 24           |                                 | -  |                        |                              |   |  |                             |  |           |                 |
| 25           |                                 | -  |                        |                              |   |  |                             |  |           |                 |
| 26           | 4                               | 498                                      | NA                     | NA                           | 87  | 0.30   | 15                          |  | 1,919,865 |                 |
| 27           | 4                               | 142                                      | NA                     | NA                           | 84  | 0.37   | 3                           |  | 1,920,007 |                 |
| 28           | 4                               | 129                                      | NA                     | NA                           | 78  | 0.77   | 6                           |  | 1,920,136 |                 |
| 29           | 4                               | 285                                      | NA                     | NA                           | 72+72                                       | 0.88   | 6                           |  | 1,920,421 |                 |
| 30           | 4                               | 137                                      | NA                     | NA                           |   | 0.77   | 6                           |  | 1,920,558 |                 |
| 31           |                                 | -  | NA                     | NA                           |   |  |                             |  |           |                 |
| <b>Total</b> |                                 | 2,828                                    | DAYS                   | 30                           |   |  | 82                          |  |           |                 |
| <b>AVG.</b>  |                                 | 101.00                                   |                        |                              |   | 0.59   | 7.45                        |  |           |                 |

Chlorine Mix Ratio = \_\_\_\_\_ quarts/gallons of \_\_\_\_\_ % chlorine added to \_\_\_\_\_ gallons of water in crock

Reported by: Lowell Ross Title: Water Systems Supervisor NYS DOH Operator Certification Number: NY0031941

Signature: *Lowell Ross* Date: 11-4-09 Operator Grade Level: 1A-SW/GUI

| Public Water System Name       |                                 | Reporting Month/Year                     |                                   | Date Report Submitted        |   | Source Water Type(s)  |                             |  |                 |
|--------------------------------|---------------------------------|--|-----------------------------------|------------------------------|---|---|-----------------------------|--|-----------------|
| Brookhaven National Laboratory |                                 | OCTOBER 2009                             |                                   | 10/30/2009                   |   | <input type="checkbox"/> Surface <input checked="" type="checkbox"/> Ground <input type="checkbox"/> GWUDI<br><input type="checkbox"/> Purchase with subsequent chlorination<br><input type="checkbox"/> Purchase w/out subsequent chlorination |                             |  |                 |
| Public Water System ID         |                                 | County                                   |                                   | Town, Village, or City       |   |   |                             |  |                 |
| 5111891                        |                                 | Suffolk                                  |                                   | Upton, New York 11973        |   |   |                             |  |                 |
| DATE                           | Source(s) in Use<br>Well No.: 6 | Treated water volume (1,000 gallons/day) | Chlorination                      |                              |   | Free chlorine residual at entry point (mg/l)  | Other Treatments / Readings |  | Daily Totalizer |
|                                |                                 |  | Gaseous<br>Cylinder weight (lbs.) | Chlorine used per day (lbs.) | Liquid<br>Hypochlorite (gallons Hypochlorite in Tank) |   | Hypochlorite used/day       |  |                 |
|                                |                                 |  |                                   |                              | 144   |   |                             |  | 775,968         |
| 1                              | 6                               | -  | NA                                | NA                           | 144   |   |                             |  | 775,968         |
| 2                              | 6                               | -  | NA                                | NA                           | 144   |   |                             |  | 775,968         |
| 3                              |                                 |  |                                   |                              |   |   |                             |  |                 |
| 4                              |                                 | -  |                                   |                              |   |   |                             |  |                 |
| 5                              | 6                               | 19                                       | NA                                | NA                           | 144   | 0.25  |                             |  | 775,987         |
| 6                              | 6                               | -  | NA                                | NA                           | 144   | NR  |                             |  | 775,987         |
| 7                              | 6                               | 37                                       | NA                                | NA                           | 141   | 0.30  | 3                           |  | 776,024         |
| 8                              | 6                               | 53                                       | NA                                | NA                           | 141   | 0.14  |                             |  | 776,077         |
| 9                              | 6                               | 201                                      | NA                                | NA                           | 135   | 0.05  | 6                           |  | 776,278         |
| 10                             |                                 | -  |                                   |                              |   |   |                             |  |                 |
| 11                             |                                 | -  |                                   |                              |   |   |                             |  |                 |
| 12                             | 6                               | 506                                      | NA                                | NA                           | 120   | 0.17  | 15                          |  | 776,784         |
| 13                             | 6                               | 131                                      | NA                                | NA                           | 117   | 0.30  | 3                           |  | 776,915         |
| 14                             | 6                               | 1,185                                    | NA                                | NA                           | 78+72   | 0.04  | 39                          |  | 778,100         |
| 15                             | 6                               | 360                                      | NA                                | NA                           | 142   | 0.20  | 8                           |  | 778,460         |
| 16                             | 6                               | 62                                       | NA                                | NA                           | 140   | 0.27  | 2                           |  | 778,522         |
| 17                             |                                 | -  |                                   |                              |   |   |                             |  |                 |
| 18                             |                                 | -  |                                   |                              |   |   |                             |  |                 |
| 19                             | 6                               | -  | NA                                | NA                           | 140   | 0.83  |                             |  | 778,522         |
| 20                             | 6                               | -  | NA                                | NA                           | 135   | 0.69  | 5                           |  | 778,522         |
| 21                             | 6                               | 74                                       | NA                                | NA                           | 135   | 0.43  |                             |  | 778,596         |
| 22                             | 6                               | -  | NA                                | NA                           | 135   | 0.64  |                             |  | 778,596         |
| 23                             | 6                               | 58                                       | NA                                | NA                           | 135   | 0.23  |                             |  | 778,654         |
| 24                             |                                 | -  |                                   |                              |   |   |                             |  |                 |
| 25                             |                                 | -  |                                   |                              |   |   |                             |  |                 |
| 26                             | 6                               | 41                                       | NA                                | NA                           | 135   | 0.30  |                             |  | 778,695         |
| 27                             | 6                               | 63                                       | NA                                | NA                           | 133   | 0.37  | 2                           |  | 778,758         |
| 28                             | 6                               | -  | NA                                | NA                           | 132   | 0.77  | 1                           |  | 778,758         |
| 29                             | 6                               | -  | NA                                | NA                           | 132   | 0.88  |                             |  | 778,758         |
| 30                             | 6                               | 122                                      | NA                                | NA                           |   | 0.77  |                             |  | 778,880         |
| 31                             |                                 | -  | NA                                | NA                           |   |   |                             |  |                 |
| <b>Total</b>                   |                                 | 2,912                                    | DAT'S                             | 30                           |   |   | 84                          |  |                 |
| <b>AVG.</b>                    |                                 | 97.07                                    |                                   |                              |   | 0.40  | 7.64                        |  |                 |

Chlorine Mix Ratio = \_\_\_\_\_ quarts/gallons of \_\_\_\_\_ % chlorine added to \_\_\_\_\_ gallons of water in crock

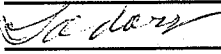
Reported by: Lowell Ross Title: Water Systems Supervisor NYS DOH Operator Certification Number: NY0031941

Signature: *Lowell Ross* Date: 11-4-09 Operator Grade Level 1A-SW/GUI

| Public Water System Name       |                                 | Reporting Month/Year                     |                        | Date Report Submitted        |   | Source Water Type(s)  |                       |                             |                 |
|--------------------------------|---------------------------------|--|------------------------|------------------------------|---|---|-----------------------|-----------------------------|-----------------|
| Brookhaven National Laboratory |                                 | OCTOBER 2009                             |                        | 10/30/2009                   |   | <input type="checkbox"/> Surface <input checked="" type="checkbox"/> Ground <input type="checkbox"/> GWUDI<br><input type="checkbox"/> Purchase with subsequent chlorination<br><input type="checkbox"/> Purchase w/out subsequent chlorination |                       |                             |                 |
| Public Water System ID         |                                 | County                                   |                        | Town, Village, or City       |   |   |                       |                             |                 |
| 5111891                        |                                 | Suffolk                                  |                        | Upton, New York 11973        |   |   |                       |                             |                 |
| DATE                           | Source(s) in Use<br>Well No.: 7 | Treated water volume (1,000 gallons/day) | Chlorination           |                              |   | Free chlorine residual at entry point (mg/l)  | Hypochlorite used/day | Other Treatments / Readings | Daily Totalizer |
|                                |                                 |  | Gaseous                |                              | Liquid                                      |   |                       |                             |                 |
|                                |                                 |  | Cylinder weight (lbs.) | Chlorine used per day (lbs.) | Hypochlorite (gallons Hypochlorite in Tank) |   |                       |                             |                 |
|                                |                                 |  |                        |                              | 135   |   |                       |                             | 2,871,554       |
| 1                              | 7                               | 411                                      | NA                     | NA                           | 126   | 0.12  | 9                     |                             | 2,871,965       |
| 2                              | 7                               | 322                                      | NA                     | NA                           | 120+30                                      | 0.01  | 6                     |                             | 2,872,287       |
| 3                              |                                 | -  |                        |                              |   |   |                       |                             |                 |
| 4                              |                                 | -  |                        |                              |   |   |                       |                             |                 |
| 5                              | 7                               | 1,041                                    | NA                     | NA                           | 123   | 0.25  | 27                    |                             | 2,873,328       |
| 6                              | 7                               | 331                                      | NA                     | NA                           | 120   | 0.04  | 3                     |                             | 2,873,659       |
| 7                              | 7                               | 361                                      | NA                     | NA                           | 108   | 0.30  | 12                    |                             | 2,874,020       |
| 8                              | 7                               | 246                                      | NA                     | NA                           | 105   | 0.14  | 3                     |                             | 2,874,266       |
| 9                              | 7                               | 468                                      | NA                     | NA                           | 93+57=150                                   | 0.05  | 12                    |                             | 2,874,734       |
| 10                             |                                 | -  |                        |                              |   |   |                       |                             |                 |
| 11                             |                                 | -  |                        |                              |   |   |                       |                             |                 |
| 12                             | 7                               | 2,646                                    | NA                     | NA                           | 96  | 0.17  | 54                    |                             | 2,877,380       |
| 13                             | 7                               | 672                                      | NA                     | NA                           | 81  | 0.30  | 15                    |                             | 2,878,052       |
| 14                             | 7                               | 1,223                                    | NA                     | NA                           | 54+96                                       | 0.04  | 27                    |                             | 2,879,275       |
| 15                             | 7                               | 772                                      | NA                     | NA                           | 136   | 0.20  | 14                    |                             | 2,880,047       |
| 16                             | 7                               | 694                                      | NA                     | NA                           | 126   | 0.27  | 10                    |                             | 2,880,741       |
| 17                             |                                 | -  |                        |                              |   |   |                       |                             |                 |
| 18                             |                                 | -  |                        |                              |   |   |                       |                             |                 |
| 19                             | 7                               | 1,713                                    | NA                     | NA                           | 87  | 0.83  | 39                    |                             | 2,882,454       |
| 20                             | 7                               | 717                                      | NA                     | NA                           | 72  | 0.69  | 15                    |                             | 2,883,171       |
| 21                             | 7                               | 634                                      | NA                     | NA                           | 57  | 0.43  | 15                    |                             | 2,883,805       |
| 22                             | 7                               | 610                                      | NA                     | NA                           | 40+110                                      | 0.64  | 17                    |                             | 2,884,415       |
| 23                             | 7                               | 642                                      | NA                     | NA                           | 132   | 0.23  | 18                    |                             | 2,885,057       |
| 24                             |                                 | -  |                        |                              |   |   |                       |                             |                 |
| 25                             |                                 | -  |                        |                              |   |   |                       |                             |                 |
| 26                             | 7                               | 2,006                                    | NA                     | NA                           | 90  | 0.30  | 42                    |                             | 2,887,063       |
| 27                             | 7                               | 795                                      | NA                     | NA                           | 72  | 0.37  | 18                    |                             | 2,887,858       |
| 28                             | 7                               | 692                                      | NA                     | NA                           | 57  | 0.77  | 15                    |                             | 2,888,550       |
| 29                             | 7                               | 682                                      | NA                     | NA                           | 45+105                                      | 0.88  | 12                    |                             | 2,889,232       |
| 30                             | 7                               | 1,032                                    | NA                     | NA                           |   | 0.77  |                       |                             | 2,890,264       |
| 31                             |                                 | -  | NA                     | NA                           |   |   |                       |                             |                 |
| <b>Total</b>                   |                                 | 18,710                                   | DAY'S                  | 30                           |   |   | 383                   |                             |                 |
| <b>AVG.</b>                    |                                 | 603.55                                   |                        |                              |   | 0.35  | 18.24                 |                             |                 |

Chlorine Mix Ratio = \_\_\_\_\_ quarts/gallons of \_\_\_\_\_ % chlorine added to \_\_\_\_\_ gallons of water in crock

Reported by: Lowell Ross Title: Water Systems Supervisor NYS DOH Operator Certification Number: NY0031941

Signature:  Date: 11-4-09 Operator Grade Level: 1A-SW/GUI

NEW YORK STATE DEPARTMENT OF HEALTH

Bureau of Water Supply Protection

Water Systems Operation Report

Well No. 10 - Direct Supply to Distribution System

|                                |                      |                        |  |
|--------------------------------|----------------------|------------------------|--|
| Public Water System Name       | Reporting Month/Year | Date Report Submitted  | Source Water Type(s)   |
| Brookhaven National Laboratory | OCTOBER 2009         | 10/30/2009             | <input type="checkbox"/> Surface <input checked="" type="checkbox"/> Ground <input type="checkbox"/> GWUDI |
| Public Water System ID         | County               | Town, Village, or City | <input type="checkbox"/> Purchase with subsequent chlorination   |
| 5111891                        | Suffolk              | Upton, New York 11973  | <input type="checkbox"/> Purchase w/out subsequent chlorination  |

| DATE         | Source(s) in Use<br>Well No.: 10 | Treated water volume (1,000 gallons/day) | Chlorination           |                              |   |  | Other Treatments / Readings |                        |         | Daily Totalizer |
|--------------|----------------------------------|--|------------------------|------------------------------|---|--|-----------------------------|------------------------|---------|-----------------|
|              |                                  |  | Gaseous                |                              | Liquid                                      | Free chlorine residual at entry point (mg/l) | Hypochlorite used/day       | pH Sodium Hypochlorite |         |                 |
|              |                                  |  | Cylinder weight (lbs.) | Chlorine used per day (lbs.) | Hypochlorite (gallons Hypochlorite in Tank) |  |                             |                        |         |                 |
|              |                                  |  |                        |                              | 147   |  |                             |                        | 816,164 |                 |
| 1            | 10                               | 1  | NA                     | NA                           | 147   | 0.88   |                             | 7.4                    | 816,165 |                 |
| 2            | 10                               | -  | NA                     | NA                           | 147   | NR   |                             |                        | 816,165 |                 |
| 3            |                                  |  |                        |                              |   |  |                             |                        |         |                 |
| 4            |                                  |  |                        |                              |   |  |                             |                        |         |                 |
| 5            | 10                               | 1,075                                    | NA                     | NA                           | 147   | NR   |                             |                        | 817,240 |                 |
| 6            | 10                               | 479                                      | NA                     | NA                           | 144   | NR   | 3                           |                        | 817,719 |                 |
| 7            | 10                               | 557                                      | NA                     | NA                           | 138   | NR   | 6                           |                        | 818,276 |                 |
| 8            | 10                               | 622                                      | NA                     | NA                           | 129   | NR   | 9                           |                        | 818,898 |                 |
| 9            | 10                               | -  | NA                     | NA                           | 129+21=150                                  | NR   |                             |                        | 818,898 |                 |
| 10           |                                  |  |                        |                              |   |  |                             |                        |         |                 |
| 11           |                                  |  |                        |                              |   |  |                             |                        |         |                 |
| 12           | 10                               | -  | NA                     | NA                           | 150   | NR   |                             |                        | 818,898 |                 |
| 13           | 10                               | -  | NA                     | NA                           | 150   | NR   |                             |                        | 818,898 |                 |
| 14           | 10                               | 26                                       | NA                     | NA                           | 147   | NR   | 3                           |                        | 818,924 |                 |
| 15           | 10                               | -  | NA                     | NA                           | 147   | NR   |                             |                        | 818,924 |                 |
| 16           | 10                               | -  | NA                     | NA                           | 147   | NR   |                             |                        | 818,924 |                 |
| 17           |                                  |  |                        |                              |   |  |                             |                        |         |                 |
| 18           |                                  |  |                        |                              |   |  |                             |                        |         |                 |
| 19           | 10                               | -  | NA                     | NA                           | 147   | NR   |                             |                        | 818,924 |                 |
| 20           | 10                               | -  | NA                     | NA                           | 147   | NR   |                             |                        | 818,924 |                 |
| 21           | 10                               | 12                                       | NA                     | NA                           | 147   | NR   |                             |                        | 818,936 |                 |
| 22           | 10                               | -  | NA                     | NA                           | 147   | NR   |                             |                        | 818,936 |                 |
| 23           | 10                               | -  | NA                     | NA                           | 147   | NR   |                             |                        | 818,936 |                 |
| 24           |                                  |  |                        |                              |   |  |                             |                        |         |                 |
| 25           |                                  |  |                        |                              |   |  |                             |                        |         |                 |
| 26           | 10                               | -  | NA                     | NA                           | 147   | NR   |                             |                        | 818,936 |                 |
| 27           | 10                               | -  | NA                     | NA                           | 147   | NR   |                             |                        | 818,936 |                 |
| 28           | 10                               | 15                                       | NA                     | NA                           | 147   | NR   |                             |                        | 818,951 |                 |
| 29           | 10                               | -  | NA                     | NA                           | 147   | NR   |                             |                        | 818,951 |                 |
| 30           | 10                               | -  | NA                     | NA                           | 147   | NR   |                             |                        | 818,951 |                 |
| 31           |                                  |  |                        |                              |   |  |                             |                        |         |                 |
| <b>Total</b> |                                  | 2,787                                    | DAY'S                  | 30.00                        | 3063  |  | 21                          |                        |         |                 |
| <b>AVG.</b>  |                                  | 92.90                                    |                        |                              | 145.8571429                                 | 0.88   | 5.25                        |                        |         |                 |

Chlorine Mix Ratio = \_\_\_\_\_ quarts/gallons of \_\_\_\_\_ % chlorine added to \_\_\_\_\_ gallons of water in crock

Reported by: Lowell Ross Title: Water Systems Supervisor NYS DOH Operator Certification Number: NY0031941

Signature: *Lowell Ross* Date: 11-4-09 Operator Grade Level 1A-SW/GUI

|                                |                      |                        |  |
|--------------------------------|----------------------|------------------------|--|
| Public Water System Name       | Reporting Month/Year | Date Report Submitted  | Source Water Type(s)   |
| Brookhaven National Laboratory | OCTOBER 2009         | 10/30/2009             | <input type="checkbox"/> Surface <input checked="" type="checkbox"/> Ground <input type="checkbox"/> GWUDI |
| Public Water System ID         | County               | Town, Village, or City | <input type="checkbox"/> Purchase with subsequent chlorination   |
| 5111891                        | Suffolk              | Upton, New York 11973  | <input type="checkbox"/> Purchase w/out subsequent chlorination  |

| DATE         | Source(s) in Use<br>Well No.: 11 | Treated water volume (1,000 gallons/day) | Chlorination           |                              |   |  | Other Treatments / Readings |                        |        | Daily Totalizer |
|--------------|----------------------------------|--|------------------------|------------------------------|---|--|-----------------------------|------------------------|--------|-----------------|
|              |                                  |  | Gaseous                |                              | Liquid                                      | Free chlorine residual at entry point (mg/l) | Hypochlorite used/day       | pH Sodium Hypochloride |        |                 |
|              |                                  |  | Cylinder weight (lbs.) | Chlorine used per day (lbs.) | Hypochlorite (gallons Hypochlorite in Tank) |  |                             |                        |        |                 |
|              |                                  |  |                        |                              | 108   |  |                             |                        | 81,254 |                 |
| 1            | 11                               | 456                                      | NA                     | NA                           | 101   | 0.91   | 7                           | 7.5                    | 81,710 |                 |
| 2            | 11                               | 385                                      | NA                     | NA                           | 93+45                                       | NR   | 8                           |                        | 82,095 |                 |
| 3            |                                  |  |                        |                              |   |  |                             |                        |        |                 |
| 4            |                                  | -  |                        |                              |   |  |                             |                        |        |                 |
| 5            | 11                               | 170                                      | NA                     | NA                           | 129   | NR   | 9                           |                        | 82,265 |                 |
| 6            | 11                               | 8  | NA                     | NA                           | 129   | NR   |                             |                        | 82,273 |                 |
| 7            | 11                               | -  | NA                     | NA                           | 129   | NR   |                             |                        | 82,273 |                 |
| 8            | 11                               | 7  | NA                     | NA                           | 129   | NR   |                             |                        | 82,280 |                 |
| 9            | 11                               | -  | NA                     | NA                           | 129+21=150                                  | NR   |                             |                        | 82,280 |                 |
| 10           |                                  | -  |                        |                              |   |  |                             |                        |        |                 |
| 11           |                                  | -  |                        |                              |   |  |                             |                        |        |                 |
| 12           | 11                               | -  | NA                     | NA                           | 150   | NR   |                             |                        | 82,280 |                 |
| 13           | 11                               | -  | NA                     | NA                           | 150   | NR   |                             |                        | 82,280 |                 |
| 14           | 11                               | -  | NA                     | NA                           | 150   | NR   |                             |                        | 82,280 |                 |
| 15           | 11                               | -  | NA                     | NA                           | 150   | NR   |                             |                        | 82,280 |                 |
| 16           | 11                               | -  | NA                     | NA                           | 150   | NR   |                             |                        | 82,280 |                 |
| 17           |                                  | -  |                        |                              |   |  |                             |                        |        |                 |
| 18           |                                  | -  |                        |                              |   |  |                             |                        |        |                 |
| 19           | 11                               | -  | NA                     | NA                           | 150   | NR   |                             |                        | 82,280 |                 |
| 20           | 11                               | -  | NA                     | NA                           | 150   | NR   |                             |                        | 82,280 |                 |
| 21           | 11                               | 20                                       | NA                     | NA                           | 150   | NR   |                             |                        | 82,300 |                 |
| 22           | 11                               | -  | NA                     | NA                           | 150   | NR   |                             |                        | 82,300 |                 |
| 23           | 11                               | -  | NA                     | NA                           | 150   | NR   |                             |                        | 82,300 |                 |
| 24           |                                  | -  |                        |                              |   |  |                             |                        |        |                 |
| 25           |                                  | -  |                        |                              |   |  |                             |                        |        |                 |
| 26           | 11                               | -  | NA                     | NA                           | 150   | NR   |                             |                        | 82,300 |                 |
| 27           | 11                               | -  | NA                     | NA                           | 150   | NR   |                             |                        | 82,300 |                 |
| 28           | 11                               | 2  | NA                     | NA                           | 150   | NR   |                             |                        | 82,302 |                 |
| 29           | 11                               | -  | NA                     | NA                           | 150   | NR   |                             |                        | 82,302 |                 |
| 30           | 11                               | -  | NA                     | NA                           | 150   | NR   |                             |                        | 82,302 |                 |
| 31           |                                  | -  | NA                     | NA                           |   |  |                             |                        |        |                 |
| <b>Total</b> |                                  | 1,048                                    | DAYS                   | 30                           | 2867  |  | 24                          |                        |        |                 |
| <b>AVG.</b>  |                                  | 34.93                                    |                        |                              | 143.35                                      | 0.91   | 8.00                        |                        |        |                 |

Chlorine Mix Ratio = \_\_\_\_\_ quarts/gallons of \_\_\_\_\_ % chlorine added to \_\_\_\_\_ gallons of water in crock

Reported by: Lowell Ross Title: Water Systems Supervisor NYS DOH Operator Certification Number: NY0031941

Signature: *Lowell Ross* Date: 11-4-09 Operator Grade Level: 1A-SW/GUI

|                                |                      |                        |  |
|--------------------------------|----------------------|------------------------|--|
| Public Water System Name       | Reporting Month/Year | Date Report Submitted  | Source Water Type(s)   |
| Brookhaven National Laboratory | OCTOBER 2009         | 10/30/2009             | <input type="checkbox"/> Surface <input checked="" type="checkbox"/> Ground <input type="checkbox"/> GWUDI |
| Public Water System ID         | County               | Town, Village, or City | <input type="checkbox"/> Purchase with subsequent chlorination   |
| 5111891                        | Suffolk              | Upton, New York 11973  | <input type="checkbox"/> Purchase w/out subsequent chlorination  |

| DATE         | Source(s) in Use<br>Well No.: 12 | Treated water volume (1,000 gallons/day) | Chlorination           |                              |   |  | Other Treatments / Readings |                        |         | Daily Totalizer |
|--------------|----------------------------------|--|------------------------|------------------------------|---|--|-----------------------------|------------------------|---------|-----------------|
|              |                                  |  | Gaseous                |                              | Liquid                                      | Free chlorine residual at entry point (mg/l) | Hypochlorite used/day       | pH Sodium Hypochloride |         |                 |
|              |                                  |  | Cylinder weight (lbs.) | Chlorine used per day (lbs.) | Hypochlorite (gallons Hypochlorite in Tank) |  |                             |                        |         |                 |
|              |                                  |  |                        |                              |   |  |                             |                        | 869,261 |                 |
| 1            | 12                               | -  | NA                     | NA                           |   |  |                             |                        | 869,261 |                 |
| 2            | 12                               | -  | NA                     | NA                           |   |  |                             |                        | 869,261 |                 |
| 3            |                                  | -  |                        |                              |   |  |                             |                        |         |                 |
| 4            |                                  | -  |                        |                              |   |  |                             |                        |         |                 |
| 5            | 12                               | -  | NA                     | NA                           |   | NR   |                             |                        | 869,261 |                 |
| 6            | 12                               | -  | NA                     | NA                           |   | NR   |                             |                        | 869,261 |                 |
| 7            | 12                               | -  | NA                     | NA                           |   | NR   |                             |                        | 869,261 |                 |
| 8            | 12                               | -  | NA                     | NA                           |   | NR   |                             |                        | 869,261 |                 |
| 9            | 12                               | -  | NA                     | NA                           |   | NR   |                             |                        | 869,261 |                 |
| 10           |                                  | -  |                        |                              |   |  |                             |                        |         |                 |
| 11           |                                  | -  |                        |                              |   |  |                             |                        |         |                 |
| 12           | 12                               | -  | NA                     | NA                           |   | NR   |                             |                        | 869,261 |                 |
| 13           | 12                               | -  | NA                     | NA                           |   | NR   |                             |                        | 869,261 |                 |
| 14           | 142                              | -  | NA                     | NA                           |   | NR   |                             |                        | 869,261 |                 |
| 15           | 12                               | -  | NA                     | NA                           |   | NR   |                             |                        | 869,261 |                 |
| 16           | 12                               | -  | NA                     | NA                           |   | NR   |                             |                        | 869,261 |                 |
| 17           |                                  | -  |                        |                              |   |  |                             |                        |         |                 |
| 18           |                                  | -  |                        |                              |   |  |                             |                        |         |                 |
| 19           | 12                               | -  | NA                     | NA                           |   | NR   |                             |                        | 869,261 |                 |
| 20           | 12                               | -  | NA                     | NA                           |   | NR   |                             |                        | 869,261 |                 |
| 21           | 12                               | -  | NA                     | NA                           |   | NR   |                             |                        | 869,261 |                 |
| 22           | 12                               | -  | NA                     | NA                           |   | NR   |                             |                        | 869,261 |                 |
| 23           | 12                               | -  | NA                     | NA                           |   | NR   |                             |                        | 869,261 |                 |
| 24           |                                  | -  |                        |                              |   |  |                             |                        |         |                 |
| 25           |                                  | -  |                        |                              |   |  |                             |                        |         |                 |
| 26           | 12                               | -  | NA                     | NA                           |   | NR   |                             |                        | 869,261 |                 |
| 27           | 12                               | -  | NA                     | NA                           |   | NR   |                             |                        | 869,261 |                 |
| 28           | 12                               | -  | NA                     | NA                           |   | NR   |                             |                        | 869,261 |                 |
| 29           | 12                               | -  | NA                     | NA                           |   | NR   |                             |                        | 869,261 |                 |
| 30           | 12                               | -  | NA                     | NA                           |   | NR   |                             |                        | 869,261 |                 |
| 31           |                                  | -  | NA                     | NA                           |   |  |                             |                        |         |                 |
| <b>Total</b> |                                  | -  | <b>DAY'S</b>           | 30                           |   |  |                             |                        |         |                 |
| <b>AVG.</b>  |                                  | -  |                        |                              |   |  |                             |                        |         |                 |

Chlorine Mix Ratio = \_\_\_\_\_ quarts/gallons of \_\_\_\_\_ % chlorine added to \_\_\_\_\_ gallons of water in crock

Reported by: Lowell Ross Title: Water Systems Supervisor NYS DOH Operator Certification Number: NY0031941

Signature: *Lowell Ross* Date: 11-4-09 Operator Grade Level: 1A-SW/GUI

**Microbiological Samples and Free Chlorine Residual**

| Sample Location             | Date of Sample | Sample Type<br>1.Routine<br>2.Repeat | Total<br>Coliform<br>Positive                                       | E.coli<br>Positive  | Free Chlorine Residual<br>(mg/l) | Population Served: <u>3,500</u>   |
|-----------------------------|----------------|--------------------------------------|---|---|----------------------------------|---|
| B-49 WATER TOWER 094-273    | 10/8/2009      | 1                                    | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 0.49                             | Number of microbiological monitoring samples required: <span style="border: 1px solid black; padding: 2px;">4</span><br><br>Number of microbiological monitoring samples taken: <span style="border: 1px solid black; padding: 2px;">7</span><br>Did an M&R violation occur? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><br>If "Yes," check reason (s) below:<br>_____ Actual number of samples is fewer than required<br>_____ Did not collect/analyze repeat sample.<br>_____ Did not collect/analyze for E. coli for positive total coliform from routine/repeat<br>Did an MCL violation occur? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No<br><br>If "Yes," check reason(s) below (see also Part 5, Table 6 for additional information).<br>For systems collecting less than 40 samples per month: two or more of the samples (routine and /or repeat) are positive for total coliform (= total coliform <u>MCL</u> violation).<br>For systems collecting 40 or more samples per month: more than 5% of the samples (routine and/or repeat) are positive for total coliform (= total coliform <u>MCL</u> violation).<br>The original sample was E.coli positive and at least 1 repeat sample was positive for total<br><br>Reminder: System must collect a minimum of five (5) routine microbiological monitoring samples during the month following a repeat sample collection.<br><br>As required by 5-1.72, "Operation of a Public Water System," a copy of this form shall be sent to your local health department by the 10th calendar day of the next reporting period. |
| B-640 WATER TOWER 076-408   | 8-Oct          | 1                                    | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 0.35                             |   |
| B 1005 RHIC 045-12          | 8-Oct          | 1                                    | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 0.25                             |   |
| B 363 APART. LAUNDRY 109-19 | 8-Oct          | 1                                    | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 0.25                             |   |
| B-725 NSLS 075-602          | 8-Oct          | 1                                    | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 0.25                             |   |
| B 490 BLOCK 1 ACF 084-69    | 8-Oct          | 1                                    | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 0.49                             |   |
| B490 BLOCK 4 MRC 084-68     | 8-Oct          | 1                                    | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 0.55                             |   |
| FIELD DUP. B-640 076-408    | 8-Oct          | 1                                    | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | 0.55                             |   |
|                             |                |                                      | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                  |   |
|                             |                |                                      | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                  |   |
|                             |                |                                      | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                  |   |
|                             |                |                                      | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                  |   |
|                             |                |                                      | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                  |   |
|                             |                |                                      | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                  |   |
|                             |                |                                      | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                  |   |
|                             |                |                                      | <input type="checkbox"/> Yes <input type="checkbox"/> No            | <input type="checkbox"/> Yes <input type="checkbox"/> No            |                                  |   |

Sample Collector(s): (Name)

Name of NYSDOH Certified Laboratory: Eco Test Lab , 377 Sheffield Ave. N. Babylon NY

Did any MCL violation occur? If so, please describe: No

Did an emergency or low pressure problem occur? Did source water bypass an existing treatment process in the system? If so, please explain.  
No

Comments: \_\_\_\_\_

PUMP DATA OCTOBER 2009  
(Month)

| Date         | Well 4       | Well 6       | Well 7        | Well10       | Well11       | Well12   | Daily Total   |
|--------------|--------------|--------------|---------------|--------------|--------------|----------|---------------|
| 1            | 0            | 0            | 411           | 1            | 456          | 0        | 868           |
| 2            | 0            | 0            | 322           | 0            | 385          | 0        | 707           |
| 3            | 0            | 0            | 0             | 0            | 0            | 0        | 0             |
| 4            | 0            | 0            | 0             | 0            | 0            | 0        | 0             |
| 5            | 0            | 19           | 1,041         | 1,075        | 170          | 0        | 2,305         |
| 6            | 0            | 0            | 331           | 479          | 8            | 0        | 818           |
| 7            | 0            | 37           | 361           | 557          | 0            | 0        | 955           |
| 8            | 0            | 53           | 246           | 622          | 7            | 0        | 928           |
| 9            | 0            | 201          | 468           | 0            | 0            | 0        | 669           |
| 10           | 0            | 0            | 0             | 0            | 0            | 0        | 0             |
| 11           | 0            | 0            | 0             | 0            | 0            | 0        | 0             |
| 12           | 0            | 506          | 2,646         | 0            | 0            | 0        | 3,152         |
| 13           | 0            | 131          | 672           | 0            | 0            | 0        | 803           |
| 14           | 0            | 1,185        | 1,223         | 26           | 0            | 0        | 2,434         |
| 15           | 0            | 360          | 772           | 0            | 0            | 0        | 1,132         |
| 16           | 149          | 62           | 694           | 0            | 0            | 0        | 905           |
| 17           | 0            | 0            | 0             | 0            | 0            | 0        | 0             |
| 18           | 0            | 0            | 0             | 0            | 0            | 0        | 0             |
| 19           | 445          | 0            | 1,713         | 0            | 0            | 0        | 2,158         |
| 20           | 234          | 0            | 717           | 0            | 0            | 0        | 951           |
| 21           | 241          | 74           | 634           | 12           | 20           | 0        | 981           |
| 22           | 244          | 0            | 610           | 0            | 0            | 0        | 854           |
| 23           | 324          | 58           | 642           | 0            | 0            | 0        | 1,024         |
| 24           | 0            | 0            | 0             | 0            | 0            | 0        | 0             |
| 25           | 0            | 0            | 0             | 0            | 0            | 0        | 0             |
| 26           | 498          | 41           | 2,006         | 0            | 0            | 0        | 2,545         |
| 27           | 142          | 63           | 795           | 0            | 0            | 0        | 1,000         |
| 28           | 129          | 0            | 692           | 15           | 2            | 0        | 838           |
| 29           | 285          | 0            | 682           | 0            | 0            | 0        | 967           |
| 30           | 137          | 122          | 1,032         | 0            | 0            | 0        | 1,291         |
| 31           | 0            | 0            | 0             | 0            | 0            | 0        | 0             |
| <b>Total</b> | <b>2,828</b> | <b>2,912</b> | <b>18,710</b> | <b>2,787</b> | <b>1,048</b> | <b>0</b> | <b>28,285</b> |

|         | Totalizer<br>This Month | Totalizer<br>Last Month | Total(x1,000)<br>Gallons |
|---------|-------------------------|-------------------------|--------------------------|
| Well 4  | 1,920,558               | 1,917,730               | 2,828                    |
| Well 6  | 778,880                 | 775,968                 | 2,912                    |
| Well 7  | 2,890,264               | 2,871,554               | 18,710                   |
| Well 10 | 818,951                 | 816,164                 | 2,787                    |
| Well 11 | 82,302                  | 81,254                  | 1,048                    |
| Well 12 | 869,261                 | 869,261                 | 0                        |

|                           |           |           |       |
|---------------------------|-----------|-----------|-------|
| AGS Water Supply Meter    | 890,839   | 890,798   | 41.00 |
| Biology Building - Well 9 | 6,795,450 | 6,795,450 | 0.00  |

**ATTACHMENT II**

**Brookhaven National Laboratory**

**Potable Water Supply**

**October 2009 Biweekly and Fourth Quarter Water Quality Monitoring Data**

**for the BNL Distribution System and Potable Water Wells**

**Attachment II**  
**Table 1 - Summary of Water Quality Analyses**  
**for the BNL Potable Water System**  
**October 2009**

| Sample Location | Sample Date | pH (SU) | Temperature (Degrees F) | Conductivity (µmhos) | Alkalinity (mg/L) | Calcium (mg/L) |
|-----------------|-------------|---------|-------------------------|----------------------|-------------------|----------------|
| WTP             | 10/1/09     | 7.7     | 63                      | 157                  | ANR               | ANR            |
| WTP             | 10/6/09     | 8.4     | 63                      | 169                  | ANR               | ANR            |
| WTP             | 10/8/09     | 8.6     | 64                      | 166                  | ANR               | ANR            |
| WTP             | 10/13/09    | 7.5     | 64                      | 160                  | ANR               | ANR            |
| WTP             | 10/15/09    | 7.5     | 64                      | 145                  | ANR               | ANR            |
| WTP             | 10/20/09    | 8.2     | 55                      | 165                  | ANR               | ANR            |
| WTP             | 10/22/09    | 7.9     | 61                      | 171                  | ANR               | ANR            |
| WTP             | 10/27/09    | 7.7     | 61                      | 152                  | ANR               | ANR            |
| WTP             | 10/29/09    | 8.0     | 61                      | 155                  | ANR               | ANR            |
| Well 10         | 10/1/09     | 7.4     | NR                      | 217                  | ANR               | ANR            |
| Well 10         | 10/15/09    | 7.4     | 52                      | 193                  | ANR               | ANR            |
| Well 11         | 10/1/09     | 7.5     | NR                      | 207                  | ANR               | ANR            |
| Well 11         | 10/15/09    | 7.5     | 50                      | 181                  | ANR               | ANR            |
| Bldg. 49        | 10/8/09     | 7.6     | 64                      | 187                  | 40                | 11             |
| Bldg. 640       | 10/8/09     | 7.2     | 63                      | 191                  | 46                | 9.5            |
| Bldg. 363       | 10/8/09     | 7.6     | 66                      | 185                  | 40                | 13             |

**ANR-** Analysis Not Required

**NR-** Not Reported

**Note:** Field parameters are only conducted for facilities that are in operation on the day of measurement.

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Email: [ecotestlab@aol.com](mailto:ecotestlab@aol.com) Website: [www.ecotestlabs.com](http://www.ecotestlabs.com)

LAB NO.294266.01

10/27/09

Brookhaven National Laboratory  
Bldg. 452, P.O. Box 5000  
Upton, NY 11973-5000

ATTN: William Chaloupka

PO#:0000143228

SOURCE OF SAMPLE: 094-273

SOURCE OF SAMPLE: 26430

COLLECTED BY: Client

DATE COL'D:10/08/09 RECEIVED:10/08/09

TIME COL'D:1115

MATRIX:W

SAMPLE: B-49 Water Tower  
26430-001


| ANALYTICAL PARAMETERS | UNITS | RESULT | DATE TIME | FLAG OF ANALYSIS | LRL | ANALYTICAL METHOD |
|-----------------------|-------|--------|-----------|------------------|-----|-------------------|
| Calcium as Ca         | mg/L  | 11     | 101209    |                  | 0.2 | EPA200.7          |
| Alkalinity tot CaCo3  | mg/L  | 40     | 101309    |                  | 2   | 182320B           |

cc:BNL, Robert J. Lee

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR



rn = 23943

NYSDOH ID # 10320

Page 2 of 2

# ECOTEST LABORATORIES, INC.

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LAB NO.294266.02

10/27/09

Brookhaven National Laboratory  
Bldg. 452, P.O. Box 5000  
Upton, NY 11973-5000

ATTN: William Chaloupka

PO#:0000143228

SOURCE OF SAMPLE: 076-408

SOURCE OF SAMPLE: 26430

COLLECTED BY: Client

DATE COL'D:10/08/09 RECEIVED:10/08/09

TIME COL'D:0715

MATRIX:W

SAMPLE: B-640 Water Tower

26430-002

| ANALYTICAL PARAMETERS | UNITS | RESULT | DATE TIME<br>FLAG OF ANALYSIS | LRL | ANALYTICAL<br>METHOD |
|-----------------------|-------|--------|-------------------------------|-----|----------------------|
| Calcium as Ca         | mg/L  | 9.5    | 101209                        | 0.2 | EPA200.7             |
| Alkalinity tot CaCo3  | mg/L  | 46     | 101309                        | 2   | 182320B              |

cc:BNL, Robert J. Lee

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR

rn = 23945

NYSDOH ID # 10320

Page 2 of 2

# ECOTEST LABORATORIES, INC.

## ENVIRONMENTAL TESTING

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LAB NO. 294266.03

10/27/09

Brookhaven National Laboratory  
Bldg. 452, P.O. Box 5000  
Upton, NY 11973-5000

ATTN: William Chaloupka

PO#: 0000143228

SOURCE OF SAMPLE: 109-19

SOURCE OF SAMPLE: 26430

COLLECTED BY: Client

DATE COL'D: 10/08/09 RECEIVED: 10/08/09

TIME COL'D: 0935

MATRIX: W

SAMPLE: B-363 Apt. Laundry  
26430-003

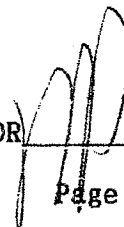
| ANALYTICAL PARAMETERS | UNITS | RESULT | DATE TIME<br>FLAG OF ANALYSIS | LRL | ANALYTICAL<br>METHOD |
|-----------------------|-------|--------|-------------------------------|-----|----------------------|
| Calcium as Ca         | mg/L  | 13     | 101209                        | 0.2 | EPA200.7             |
| Alkalinity tot CaCo3  | mg/L  | 40     | 101309                        | 2   | 182320B              |

cc: BNL, Robert J. Lee

LRL=Laboratory Reporting Limit

REMARKS:

DIRECTOR



rn = 23947

NYSDOH ID # 10320

Page 2 of 2

**BROOKHAVEN NATIONAL LABORATORY**  
**MONTHLY POTABLE WATER SAMPLE REQUEST**  
**and SAMPLE LOG**

Month: October 2008

| MICROBIOLOGICAL      |                                       | Total Coliform including E. Coli. |            | Presence or Absence   |          | Total Required: | 18       |
|----------------------|---------------------------------------|-----------------------------------|------------|-----------------------|----------|-----------------|----------|
| Site ID              | Location                              | Origin                            | Taken by   | Field Tests Required  |          |                 |          |
|                      |                                       |                                   |            | Time                  | Chlorine |                 |          |
| 094-273              | B-49 Water Tower                      | Distribution                      | JK B       | 0715                  | .49      |                 | 11/5HRS  |
| 076-408              | B-640 Water Tower                     | Distribution                      |            | 0715                  | .35      |                 |          |
| 045-12               | B-1005 - RHIC                         | Distribution                      |            | 0915                  | .25      |                 |          |
| 109-19               | B-363 Apartment Laundry               | Distribution                      |            | 0935                  | .25      |                 |          |
| 075-602              | B- 725 NSLS                           | Distribution                      |            | 1100                  | .25      |                 |          |
| 084-69               | B-490 - Block - 1 ACF                 | Distribution                      |            | 0815                  | .49      |                 |          |
| 084-68               | B-490 - Block 4 - MRC                 | Distribution                      |            | 0800                  | .55      |                 |          |
| 083-20               | Well - 4                              | Raw Water                         |            | -                     | XXXXX    |                 |          |
| 093-07               | Well - 6                              | Raw Water                         |            | 0735                  | XXXXX    |                 |          |
| 092-03               | Well - 7                              | Raw Water                         |            | 0730                  | XXXXX    |                 |          |
| 055-09               | Well -10                              | Raw Water                         |            | 0650                  | XXXXX    |                 |          |
| 056-19               | Well -11                              | Raw Water                         |            | 0700                  | XXXXX    |                 |          |
| 056-20               | Well -12                              | Raw Water                         |            | -                     | XXXXX    |                 |          |
| 073-20               | WTF-Packed Tower - 648                | Filter Water                      |            | 1305                  | XXXXX    |                 |          |
| 055-36               | Well-10 GAC Filter - 654              | Filter Water                      |            | -                     | XXXXX    |                 |          |
| 056-31               | Well-11 GAC Filter - 655              | Filter Water                      |            | -                     | XXXXX    |                 |          |
| 056-32               | Well-12 GAC Filter - 657              | Filter Water                      | -          | XXXXX                 |          |                 |          |
| 084-68               | Field duplicate Bldg. 490-Block 4 MRC | Distribution                      | 0800       | .55                   |          |                 |          |
| <b>WATER QUALITY</b> |                                       | Alkalinity and Calcium            |            | Field Tests Required: |          | Total Required: | 3        |
|                      | Location                              | Origin                            |            | Taken by              | pH       | Temp.           | Conduct. |
| 094-273              | B-49 Water Tower                      | Distribution                      | Alkalinity | JK                    | 7.6      | 18.c            | 187      |
|                      |                                       |                                   | Calcium    |                       |          |                 |          |
| 076-408              | B-640 Water Tower                     | Distribution                      | Alkalinity |                       | 7.2      | 17.c            | 191      |
|                      |                                       |                                   | Calcium    |                       |          |                 |          |
| 109-19               | B-363 Apartment Laundry               | Distribution                      | Alkalinity | ↓                     | 7.6      | 19.c            | 185      |
|                      |                                       |                                   | Calcium    |                       |          |                 |          |

The above samples were delivered to the contractor on 10.8.09, 2008 by J. KULESA  
 O+M-WTF-006A; Rev.15; 2/11/08; Apprv. Page 1 of 2

**ATTACHMENT III**

**Brookhaven National Laboratory**

**Potable Water Supply**

**October 2009 Stage 1 Disinfectants & Disinfection Byproduct Rule**

**Monitoring Data and Bacteriological Analyses for the BNL Distribution System**

Attachment III

**October 2009 Stage 1 Disinfectants & Disinfection Byproduct Rule Monitoring Data  
Table II - Maximum Residual Disinfectant Level (MRDL) Compliance**

| Location                    | Total Residual Chlorine (mg/L) |         |         |         |         |         |        |         |         |         |          |         |
|-----------------------------|--------------------------------|---------|---------|---------|---------|---------|--------|---------|---------|---------|----------|---------|
|                             | Nov. 08                        | Dec. 08 | Jan. 09 | Feb. 09 | Mar. 09 | Apr. 09 | May 09 | June 09 | July 09 | Aug. 09 | Sept. 09 | Oct. 09 |
| Bldg. 49 Water Tower        | 0.8                            | 0.6     | 0.8     | 0.8     | 0.9     | 0.7     | 0.6    | 0.3     | 1       | 1.1     | 1.0      | 0.5     |
| Bldg. 640 Water Tower       | 0.8                            | 0.9     | 0.8     | 0.5     | 0.7     | 0.8     | 0.6    | 0.5     | 0.8     | 0.4     | 1.5      | 0.4     |
| Bldg. 363 Apt. Laundry      | 0.4                            | 0.4     | 0.5     | 0.4     | 0.4     | 0.4     | 0.4    | 0.3     | 0.5     | 0.5     | 1.0      | 0.3     |
| Bldg. 1005 RHIC             | 0.4                            | 0.5     | 0.6     | 0.4     | 0.7     | 0.5     | 0.5    | 0.3     | 0.3     | 0.5     | 0.4      | 0.3     |
| Bldg. 930 LINAC             | 0.7                            | NS      | 0.6     | NS      | 0.7     | NS      | 0.5    | NS      | 0.7     | NS      | 1.1      | NS      |
| Bldg. 725 NSLS              | NS                             | 0.5     | NS      | 0.8     | NS      | 0.5     | NS     | 0.4     | NS      | 0.7     | NS       | 0.3     |
| Bldg. 490 Outpatient Clinic | 0.7                            | NS      | 1.0     | NS      | 0.9     | NS      | 0.4    | NS      | 0.8     | NS      | 0.6      | NS      |
| Bldg. 490 Block 11          | 0.4                            | NS      | 0.9     | NS      | 0.7     | NS      | 0.4    | NS      | 0.4     | NS      | 0.9      | NS      |
| Bldg. 490 Block 1 ACF       | NS                             | 0.4     | NS      | 0.7     | NS      | 0.7     | NS     | 0.3     | NS      | 0.5     | NS       | 0.5     |
| Bldg. 490 Block 4 MRC       | NS                             | 0.5     | NS      | 0.6     | NS      | 0.6     | NS     | 0.3     | NS      | 0.7     | NS       | 0.6     |
| <b>Monthly Average</b>      | 0.6                            | 0.5     | 0.7     | 0.6     | 0.7     | 0.6     | 0.5    | 0.4     | 0.6     | 0.6     | 0.9      | 0.4     |

NA - Not Applicable

NS- Not Scheduled for sampling

**Running Annual Average (mg/L)**      **0.6**      (Total Residual Chlorine)

**MRDL (mg/L)**                              **4.0**

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Email: [ecotestlab@aol.com](mailto:ecotestlab@aol.com) Website: [www.ecotestlabs.com](http://www.ecotestlabs.com)

LAB NO.294266.01

10/27/09

Brookhaven National Laboratory  
Bldg. 452, P.O. Box 5000  
Upton, NY 11973-5000

ATTN: William Chaloupka

PO#:0000143228

SOURCE OF SAMPLE: 094-273

SOURCE OF SAMPLE: 26430

COLLECTED BY: Client

DATE COL'D:10/08/09 RECEIVED:10/08/09

TIME COL'D:1115

MATRIX:W

SAMPLE: B-49 Water Tower  
26430-001

| ANALYTICAL PARAMETERS | UNITS | RESULT | DATE TIME   | FLAG OF ANALYSIS | LRL | ANALYTICAL METHOD |
|-----------------------|-------|--------|-------------|------------------|-----|-------------------|
| T.Coliform, 100 mL    |       | Absent | 100809 1510 | 0                | 0   | 189223            |
| E.Coli, 100mL         |       | Absent | 100809 1510 | 0                | 0   | 189223            |
| Free Chlorine Resid.  | mg/L  | 0.49   |             |                  |     | *                 |

cc:BNL, Robert J. Lee

LRL=Laboratory Reporting Limit

REMARKS: \* Measured in the field by client.  
Total Coliform Bacteria is within NY State and Federal  
limit for potable water

DIRECTOR

Page 1 of 2

rn = 23942

NYSDOH ID # 10320

# ECOTEST LABORATORIES, INC.

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LAB NO.294266.02

10/27/09

Brookhaven National Laboratory  
Bldg. 452, P.O. Box 5000  
Upton, NY 11973-5000

ATTN: William Chaloupka

PO#:0000143228

SOURCE OF SAMPLE: 076-408

SOURCE OF SAMPLE: 26430

COLLECTED BY: Client

DATE COL'D:10/08/09 RECEIVED:10/08/09

TIME COL'D:0715

MATRIX:W

SAMPLE: B-640 Water Tower  
26430-002

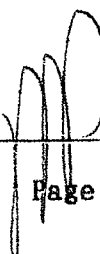
| ANALYTICAL PARAMETERS | UNITS | RESULT | DATE TIME   | FLAG OF ANALYSIS | LRL | ANALYTICAL METHOD |
|-----------------------|-------|--------|-------------|------------------|-----|-------------------|
| T.Coliform, 100 mL    |       | Absent | 100809 1510 | 0                |     | 189223            |
| E.Coli, 100mL         |       | Absent | 100809 1510 | 0                |     | 189223            |
| Free Chlorine Resid.  | mg/L  | 0.35   |             |                  |     | *                 |

cc:BNL, Robert J. Lee

LRL=Laboratory Reporting Limit

REMARKS: \* Measured in the field by client.  
Total Coliform Bacteria is within NY State and Federal  
limit for potable water

DIRECTOR



rn = 23944

NYSDOH ID # 10320

Page 1 of 2

# ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

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LAB NO.294266.03

10/27/09

Brookhaven National Laboratory  
Bldg. 452, P.O. Box 5000  
Upton, NY 11973-5000

ATTN: William Chaloupka

PO#:0000143228

SOURCE OF SAMPLE: 109-19

SOURCE OF SAMPLE: 26430

COLLECTED BY: Client

DATE COL'D:10/08/09 RECEIVED:10/08/09

TIME COL'D:0935

MATRIX:W

SAMPLE: B-363 Apt. Laundry  
26430-003

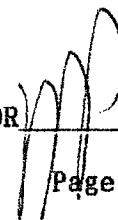
| ANALYTICAL PARAMETERS | UNITS | RESULT | DATE TIME   | FLAG OF ANALYSIS | LRL | ANALYTICAL METHOD |
|-----------------------|-------|--------|-------------|------------------|-----|-------------------|
| T.Coliform, 100 mL    |       | Absent | 100809 1511 |                  | 0   | 189223            |
| E.Coli, 100mL         |       | Absent | 100809 1511 |                  | 0   | 189223            |
| Free Chlorine Resid.  | mg/L  | 0.25   |             |                  |     | *                 |

cc:BNL, Robert J. Lee

LRL=Laboratory Reporting Limit

REMARKS: \* Measured in the field by client.  
Total Coliform Bacteria is within NY State and Federal  
limit for potable water

DIRECTOR



rn = 23946

NYSDOH ID # 10320

Page 1 of 2

# ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

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LAB NO.294266.04

10/27/09

Brookhaven National Laboratory  
Bldg. 452, P.O. Box 5000  
Upton, NY 11973-5000

ATTN: William Chaloupka

PO#:0000143228

SOURCE OF SAMPLE: 045-12

SOURCE OF SAMPLE: 26430

COLLECTED BY: Client

DATE COL'D:10/08/09 RECEIVED:10/08/09

TIME COL'D:0915

MATRIX:W

SAMPLE: B-1005 RHIC

26430-004


| ANALYTICAL PARAMETERS | UNITS | RESULT | DATE TIME   | FLAG OF ANALYSIS | LRL | ANALYTICAL METHOD |
|-----------------------|-------|--------|-------------|------------------|-----|-------------------|
| T.Coliform, 100 mL    |       | Absent | 100809 1510 |                  | 0   | 189223            |
| E.Coli, 100mL         |       | Absent | 100809 1510 |                  | 0   | 189223            |
| Free Chlorine Resid.  | mg/L  | 0.25   |             |                  |     | *                 |

cc:BNL, Robert J. Lee

LRL=Laboratory Reporting Limit

REMARKS: \* Measured in the field by client.  
Total Coliform Bacteria is within NY State and Federal  
limit for potable water

DIRECTOR



rn = 23948

NYSDOH ID # 10320

Page 1 of 1

# ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

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LAB NO.294266.05

10/27/09

Brookhaven National Laboratory  
Bldg. 452, P.O. Box 5000  
Upton, NY 11973-5000

ATTN: William Chaloupka

PO#:0000143228

SOURCE OF SAMPLE: 075-602

SOURCE OF SAMPLE: 26430

COLLECTED BY: Client

DATE COL'D:10/08/09 RECEIVED:10/08/09

TIME COL'D:1100

MATRIX:W

SAMPLE: B-725 NSLS  
26430-005

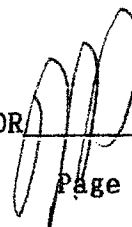
| ANALYTICAL PARAMETERS | UNITS | RESULT | DATE TIME   | FLAG OF ANALYSIS | LRL | ANALYTICAL METHOD |
|-----------------------|-------|--------|-------------|------------------|-----|-------------------|
| T.Coliform, 100 mL    |       | Absent | 100809 1510 |                  | 0   | 189223            |
| E.Coli, 100mL         |       | Absent | 100809 1510 |                  | 0   | 189223            |
| Free Chlorine Resid.  | mg/L  | 0.25   |             |                  |     | *                 |

cc:BNL, Robert J. Lee

LRL=Laboratory Reporting Limit

REMARKS: \* Measured in the field by client.  
Total Coliform Bacteria is within NY State and Federal  
limit for potable water

DIRECTOR



rn = 23949

NYSDOH ID # 10320

Page 1 of 1

# ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

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LAB NO.294266.06

10/27/09

Brookhaven National Laboratory  
Bldg. 452, P.O. Box 5000  
Upton, NY 11973-5000

ATTN: William Chaloupka

PO#:0000143228

SOURCE OF SAMPLE: 084-69

SOURCE OF SAMPLE: 26430

COLLECTED BY: Client

DATE COL'D:10/08/09 RECEIVED:10/08/09

TIME COL'D:0815

MATRIX:W

SAMPLE: B-490 Block 1 ACF  
26430-006

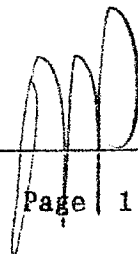
| ANALYTICAL PARAMETERS | UNITS | RESULT | DATE TIME   | FLAG OF ANALYSIS | LRL | ANALYTICAL METHOD |
|-----------------------|-------|--------|-------------|------------------|-----|-------------------|
| T.Coliform, 100 mL    |       | Absent | 100809 1510 | 0                | 0   | 189223            |
| E.Coli, 100mL         |       | Absent | 100809 1510 | 0                | 0   | 189223            |
| Free Chlorine Resid.  | mg/L  | 0.49   |             |                  |     | *                 |

cc:BNL, Robert J. Lee

LRL=Laboratory Reporting Limit

REMARKS: \* Measured in the field by client.  
Total Coliform Bacteria is within NY State and Federal  
limit for potable water

DIRECTOR



rn = 23950

NYSDOH ID # 10320

Page 1 of 1

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LAB NO.294266.07

10/27/09

Brookhaven National Laboratory  
Bldg. 452, P.O. Box 5000  
Upton, NY 11973-5000

ATTN: William Chaloupka

PO#:0000143228

SOURCE OF SAMPLE: 084-68

SOURCE OF SAMPLE: 26430

COLLECTED BY: Client

DATE COL'D:10/08/09 RECEIVED:10/08/09

TIME COL'D:0800

MATRIX:W

SAMPLE: B-490 Block 4 MRC  
26430-007

| ANALYTICAL PARAMETERS | UNITS | RESULT | DATE TIME   | FLAG OF ANALYSIS | LRL | ANALYTICAL METHOD |
|-----------------------|-------|--------|-------------|------------------|-----|-------------------|
| T.Coliform, 100 mL    |       | Absent | 100809 1510 |                  | 0   | 189223            |
| E.Coli, 100mL         |       | Absent | 100809 1510 |                  | 0   | 189223            |
| Free Chlorine Resid.  | mg/L  | 0.55   |             |                  |     | *                 |

cc:BNL, Robert J. Lee

LRL=Laboratory Reporting Limit

REMARKS: \* Measured in the field by client.  
Total Coliform Bacteria is within NY State and Federal  
limit for potable water

DIRECTOR

rn = 23951

NYSDOH ID # 10320

Page 1 of 1

# ECOTEST LABORATORIES, INC.

ENVIRONMENTAL TESTING

377 SHEFFIELD AVE. • N. BABYLON, N.Y. 11703 • (631) 422-5777 • FAX (631) 422-5770

Email: [ecotestlab@aol.com](mailto:ecotestlab@aol.com) Website: [www.ecotestlabs.com](http://www.ecotestlabs.com)

LAB NO.294266.08

10/27/09

Brookhaven National Laboratory  
Bldg. 452, P.O. Box 5000  
Upton, NY 11973-5000

ATTN: William Chaloupka

PO#:0000143228

SOURCE OF SAMPLE: 084-68

SOURCE OF SAMPLE: 26430

COLLECTED BY: Client

DATE COL'D:10/08/09 RECEIVED:10/08/09

TIME COL'D:0800

MATRIX:W

SAMPLE: DUP. B-490 Block 4  
26430-008

| ANALYTICAL PARAMETERS | UNITS | RESULT | DATE TIME   | FLAG OF ANALYSIS | LRL | ANALYTICAL METHOD |
|-----------------------|-------|--------|-------------|------------------|-----|-------------------|
| T.Coliform, 100 mL    |       | Absent | 100809 1510 | 0                | 0   | 189223            |
| E.Coli, 100mL         |       | Absent | 100809 1510 | 0                | 0   | 189223            |
| Free Chlorine Resid.  | mg/L  | 0.55   |             |                  |     | *                 |

cc:BNL, Robert J. Lee

LRL=Laboratory Reporting Limit

REMARKS: \* Measured in the field by client.  
Total Coliform Bacteria is within NY State and Federal  
limit for potable water

DIRECTOR



rn = 23952

NYSDOH ID # 10320

Page 1 of 1

Environmental Protection Division  
81 Cornell Avenue, Bldg. 120  
Upton, NY 11973



**FACSIMILE TRANSMITTAL SHEET**

**Fax #: 631-344-6079**

|                    |   |
|--------------------|---|
| <b>Date:</b>       | <b>November 10, 2009</b>                            |
| <b>To:</b>         | <b>Ms. Kathleen Newcomer</b>                        |
| <b>Company:</b>    | <b>Suffolk County Department of Health Services</b> |
| <b>Fax #:</b>      | <b>631-852-5787</b>                                 |
| <b>From:</b>       | <b>Jennifer Higbie</b>                              |
| <b>Phone Ext.:</b> | <b>631-344-5919 (or email: Higbie@bnl.gov)</b>      |

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|---|--|
| <b>Number of Pages (including cover sheet):</b> |  |
|---|--|

**Comments:**

Attached is a letter from George Goode with the Subject: Monthly Water Treatment Plant reports for October 2009.

Included with the letter are

Attachment I: BNL Potable Water Supply Operational Data for October

and

Attachment III: October 2009 Stage 1 Disinfectants & Disinfection Byproduct Rule Monitoring Data and Bacteriological Analyses for the BNL Distribution System

EXPLORING EARTH'S MYSTERIES  
...PROTECTING ITS FUTURE

\*\*\*\*\*  
 \*\*\* TX REPORT \*\*\*  
 \*\*\*\*\*

TRANSMISSION OK

TX/RX NO 1295  
 CONNECTION TEL 98525787  
 CONNECTION ID  
 ST. TIME 11/10 15:40  
 USAGE T 09'23  
 PGS. SENT 23  
 RESULT OK

Environmental Protection Division  
 81 Cornell Avenue, Bldg. 120  
 Upton, NY 11973



**FACSIMILE TRANSMITTAL SHEET**

Fax #: 631-344-6079

|                    |  |
|--------------------|--|
| <b>Date:</b>       | November 10, 2009                            |
| <b>To:</b>         | Ms. Kathleen Newcomer                        |
| <b>Company:</b>    | Suffolk County Department of Health Services |
| <b>Fax #:</b>      | 631-852-5787                                 |
| <b>From:</b>       | Jennifer Higbie                              |
| <b>Phone Ext.:</b> | 631-344-5919 (or email: Higbie@bnl.gov)      |

|   |  |
|---|--|
| <b>Number of Pages (including cover sheet):</b> |  |
|---|--|

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|--|
| <b>Comments:</b>   |
| <p>Attached is a letter from George Goode with the Subject: Monthly Water Treatment Plant reports for October 2009.</p> <p>Included with the letter are</p> <p>Attachment I: BNL Potable Water Supply Operational Data for October</p> <p>and</p> <p>Attachment III: October 2009 Stage 1 Disinfectants &amp; Disinfection Byproduct Rule Monitoring Data and Bacteriological Analyses for the BNL Distribution System</p> |