

BROOKHAVEN
NATIONAL LABORATORY

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for the U.S. Department of Energy

May 10, 2004

Ms. Kathleen Newcomer
Suffolk County Department of Health Services
Drinking Water Supply Section
220 Rabro Drive East
Hauppauge, New York 11788

Dear Ms. Kathleen Newcomer:

Subject: Monthly Water Treatment Plant Reports
Reference: Suffolk County Minimum Monitoring Requirements for April 2004

In accordance with the requirements of the BNL Potable Water System Sampling Plan and the 2004 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 and Bacteriological Analyses for April.
- Attachment II: April 2004 Biweekly Water Quality Monitoring Data for the BNL Distribution System and Potable Water Wells.

All analytical results have been reviewed and have been found to be within New York State Department of Health Drinking Water Standards (NYSDOH DWS). Collection and analysis of these samples are 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 and Waste Management Services 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.



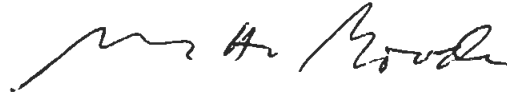
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is accredited by the American
National Standards Institute
Registrar Accreditation Board

Should there be any questions regarding this report or the analytical or operational data contained herein, please call either M. Allocco at (631) 344-3166, R. Lee at (631) 344-3148, or W. Chaloupka at (631) 344-7136.

Sincerely,



George A. Goode
Environmental & Waste Management Services
Division Manager

GAG/MA:car

Attachments: As noted

cc: M. Allocco	w/attachments
L. Ambroszkiewicz, SCDHS	w/attachments
W. Chaloupka	w/attachments
J. Granzen	w/attachments
G. Goode	w/o attachments
R. Lee	w/attachments
E. Murphy	w/attachments
P. Ponturo, SCDHS	w/o attachments
L. Ross	w/o attachments
J. Tarpinian	w/o attachments

File: EC61ER.04

ATTACHMENT I

Brookhaven National Laboratory

Potable Water Supply

Monthly Operational Data and Bacteriological Analyses for April 2004

for the BNL Potable Water System

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169

STATION 11515100

SUFFOLK COUNTY

REPORTING PERIOD:

APRIL 2004

LOCATION: **Water Treatment Facility**

Did an emergency occur in any part of the water system? YES NO

Source: Ground Water

Does the system have a chlorination waiver? YES NO

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer 13111941
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide		
		Gallons	Cl2 use per 24hrs				
1	0	20	0	1.07	6.4	13111941	
2	0	20	0	1.27	6.7	13111941	
3	0						
4	0						
5	0	20	0	1.2	7.2	13111941	
6	0	20	0	0.56	7.2	13111941	
7	0	20	0	0.85	6.5	13111941	
8	0	20	0	0.76	7	13111941	
9	0	20	0	1.2	7.3	13111941	
10	0						
11	0						
12	0	190	0	0.11	6.8	13111941	
13	0	190	0	1	6.8	13111941	
14	0	190	0	0.78	6.3	13111941	
15	0	190	0	0.96	6.3	13111941	
16	0	190	0	0.9	6.8	13111941	
17	0						
18	0						
19	0	190	0	1.1	6.6	13111941	
20	0	190	0	1	6.7	13111941	
21	0	190	0	0.67	6.6	13111941	
22	0	190	0	1	6.2	13111941	
23	0	190	0	1	6.4	13111941	
24	0						
25	0						
26	0	190	0	1.1	6.2	13111941	
27	0	190	0	0.9	6.2	13111941	
28	40	190	0	1.28	6.2	13111981	
29	0	190	0	0.95	6.2	13111981	
30	0	190	0	0.75	6.2	13111981	
31	0						
TOT	40		0				
AVG.	1.33		0.00	No. Days:	30		

Population Served 3,500

Number of routine samples 4

(Must collect a minimum of 5 routine samples the month following a repeat sample collection)

Number of actual routine samples 7

Does a M&AR violation exist? YES NO

If yes, check reason's below.

Actual number of samples fewer than required.

Failure to analyze for E. Coli if there was a positive result for total coliform from routine, repeat of high turbidity sample.

Failure to analyze repeat samples.

Does an MCL violation exist? YES NO

If yes, check reason(s) below.

Two or more positive total coliform samples for systems collecting 40 or more samples (routine, repeat or hiturb) per month.

Positive E. Coli result followed by a positive total coliform repeat sample.

Positive total coliform result followed by a positive E. Coli repeat sample.

Reported by: *Ad. [Signature]*

Date: 5-6-04

Title: Water Systems Supervisor

Certification No. NY0031941

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169	STATION 11515100	SUFFOLK COUNTY	REPORTING PERIOD: APRIL 2004
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LOCATION: WELL NO. 4

Did an emergency occur in any part of the water system? YES NO

Source: Ground Water

Does the system have a chlorination waiver? YES NO

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer 1648338
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide	Totalizer	
		Gallons	Cl2 use per 24hrs				
1	0	120	0	NR	NR	1648338	
2	0	120	0	NR	NR	1648338	
3	0						
4	0						
5	0	120	0	NR	NR	1648338	
6	0	120	0	NR	NR	1648338	
7	0	120	0	NR	NR	1648338	
8	0	120	0	NR	NR	1648338	
9	0	120	0	NR	NR	1648338	
10	0						
11	0						
12	16	120	0	NR	NR	1648354	
13	0	120	0	NR	NR	1648354	
14	0	120	0	NR	NR	1648354	
15	0	120	0	NR	NR	1648354	
16	0	120	0	NR	NR	1648354	
17	0						
18	0						
19	0	120	0	NR	NR	1648354	
20	0	120	0	NR	NR	1648354	
21	0	120	0	NR	NR	1648354	
22	0	120	0	NR	NR	1648354	
23	0	120	0	NR	NR	1648354	
24	0						
25	0						
26	268	120	0	NR	NR	1648622	
27	0	120	0	NR	NR	1648622	
28	0	120	0	NR	NR	1648622	
29	0	120	0	NR	NR	1648622	
30	0	120	0	NR	NR	1648622	
31	0						
TOT	284		0				
AVG.	9.47		0.00	No. Days:	30		

Population Served 3,500

Number of routine samples 4

(Must collect a minimum of 5 routine samples the month following a repeat sample collection)

Number of actual routine samples 7

Does a M&AR violation exist? YES NO

If yes, check reason's below.

Actual number of samples fewer than required.

Failure to analyze for E. Coli if there was a positive result for total coliform from routine, repeat of high turbidity sample.

Failure to analyze repeat samples.

Does an MCL violation exist? YES NO

If yes, check reason(s) below.

Two or more positive total coliform samples for systems collecting 40 or more samples (routine, repeat or hiturb) per month.

Positive E. Coli result followed by a positive total coliform repeat sample.

Positive total coliform result followed by a positive E. Coli repeat sample.

Reported by: *Sd New*

Date: 5-6-04

Title: Water Systems Supervisor

Certification No. NY0031941

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169	STATION 11515100	SUFFOLK COUNTY	REPORTING PERIOD: APRIL 2004
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LOCATION: WELL NO. 6

Did an emergency occur in any part of the water system? YES NO

Source: Ground Water

Does the system have a chlorination waiver? YES NO

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide	Totalizer	
		Gallons	Cl2 use per 24hrs				
1	0	81	0	NR	NR	435615	
2	0	81	0	NR	NR	435615	
3	0						
4	0						
5	0	81	0	NR	NR	435615	
6	0	81	0	NR	NR	435615	
7	1	81	0	NR	NR	435616	
8	0	81	0	NR	NR	435616	
9	0	81	0	NR	NR	435616	
10	0						
11	0						
12	7	81	0	NR	NR	435623	
13	0	81	0	NR	NR	435623	
14	0	81	0	NR	NR	435623	
15	0	81	0	NR	NR	435623	
16	0	81	0	NR	NR	435623	
17	0						
18	0						
19	0	81	0	NR	NR	435623	
20	0	81	0	NR	NR	435623	
21	205	81	0	NR	NR	435828	
22	51	81	0	NR	NR	435879	
23	132	81	0	NR	NR	436011	
24	0						
25	0						
26	0	81	0	NR	NR	436011	
27	138	81	0	NR	NR	436149	
28	0	81	0	NR	NR	436149	
29	10	81	0	NR	NR	436159	
30	37	81+39	0	NR	NR	436196	
31	0						
TOT	581		0				
AVG.	19.37		0.00	No. Days:	30		

Population Served 3,500

Number of routine samples 4
 (Must collect a minimum of 5 routine samples the month following a repeat sample collection)

Number of actual routine samples 7

Does a M&AR violation exist? YES NO

If yes, check reason's below.

Actual number of samples fewer than required.

Failure to analyze for E. Coli if there was a positive result for total coliform from routine, repeat of high turbidity sample.

Failure to analyze repeat samples.

Does an MCL violation exist? YES NO

If yes, check reason(s) below.

Two or more positive total coliform samples for systems collecting 40 or more samples (routine, repeat or hiturb) per month.

Positive E. Coli result followed by a positive total coliform repeat sample.

Positive total coliform result followed by a positive E. Coli repeat sample.

Reported by: *J. A. [Signature]*

Date: 5-6-04

Title: Water Systems Supervisor

Certification No. NY0031941

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169 STATION 11515100 SUFFOLK COUNTY REPORTING PERIOD: APRIL 2004

LOCATION: WELL NO. 7

Did an emergency occur in any part of the water system? YES _____ NO

Source: Ground Water

Does the system have a chlorination waiver? YES _____ NO

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide	Totalizer	
		Gallons	Cl2 use per 24hrs				
1	0	87	0	NR	NR	1374139	
2	0	87	0	NR	NR	1374139	
3	0						
4	0						
5	0	87	0	NR	NR	1374139	
6	0	87	0	NR	NR	1374139	
7	0	87	0	NR	NR	1374139	
8	0	87	0	NR	NR	1374139	
9	0	87	0	NR	NR	1374139	
10	0						
11	0						
12	4	87	0	NR	NR	1374143	
13	0	87	0	NR	NR	1374143	
14	0	87	0	NR	NR	1374143	
15	0	87	0	NR	NR	1374143	
16	0	87	0	NR	NR	1374143	
17	0						
18	0						
19	0	87	0	NR	NR	1374143	
20	0	87	0	NR	NR	1374143	
21	276	83	4	NR	NR	1374419	
22	0	83	0	NR	NR	1374419	
23	240	80	3	NR	NR	1374659	
24	0						
25	0						
26	0	80	0	NR	NR	1374659	
27	173	80	0	NR	NR	1374832	
28	12	80	0	NR	NR	1374844	
29	9	80	0	NR	NR	1374853	
30	264	80	0	NR	NR	1375117	
31	0						
TOT	978		7				
AVG.	32.60		0.23	No. Days:	30		

Population Served 3,500

Number of routine samples 4

(Must collect a minimum of 5 routine samples the month following a repeat sample collection)

Number of actual routine samples 2

Does a M&AR violation exist? YES _____ NO

If yes, check reason's below.

_____ Actual number of samples fewer than required.

_____ Failure to analyze for E. Coli if there was a positive result for total coliform from routine, repeat of high turbidity sample.

_____ Failure to analyze repeat samples.

Does an MCL violation exist? YES NO

If yes, check reason(s) below.

_____ Two or more positive total coliform samples for systems collecting 40 or more samples (routine, repeat or hiturb) per month.

_____ Positive E. Coli result followed by a positive total coliform repeat sample.

_____ Positive total coliform result followed by a positive E. Coli repeat sample.

Reported by: J.C. Row

Date: 5-6-04

Title: Water Systems Supervisor

Certification No. NY0031941

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169 STATION 11515100 SUFFOLK COUNTY REPORTING PERIOD: APRIL 2004

LOCATION: WELL NO. 10

Did an emergency occur in any part of the water system? YES NO

Source: Ground Water

Does the system have a chlorination waiver? YES NO

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide	Totalizer	
		Gallons	Cl2 use per 24hrs				
1	0	38	0	NR	NR	769327	
2	0	38	0	NR	NR	769327	
3	0						
4	0						
5	0	38	0	NR	NR	769327	
6	0	38	0	NR	NR	769327	
7	0	38	0	NR	NR	769327	
8	0	38	0	NR	NR	769327	
9	0	38	0	NR	NR	769327	
10	0						
11	0						
12	104	38	0	NR	NR	769431	
13	0	38	0	NR	NR	769431	
14	0	38	0	NR	NR	769431	
15	0	38	0	NR	NR	769431	
16	0	38	0	NR	NR	769431	
17	0						
18	0						
19	0	38	0	NR	NR	769431	
20	0	38	0	NR	NR	769431	
21	0	38	0	NR	NR	769431	
22	0	38	0	NR	NR	769431	
23	0	38	0	NR	NR	769431	
24	0						
25	0						
26	1	38	0	NR	NR	769432	
27	0	38	0	NR	NR	769432	
28	0	38	0	NR	NR	769432	
29	0	38	0	NR	NR	769432	
30	0	38	0	NR	NR	769432	
31	0						
TOT	105		0				
AVG.	3.50		0.00	No. Days:	30		

Population Served 3,500

Number of routine samples 4
 (Must collect a minimum of 5 routine samples the month following
 a repeat sample collection)

Number of actual routine samples 7

Does a M&AR violation exist? YES NO

If yes, check reason's below.

Actual number of samples fewer than required.

Failure to analyze for E. Coli if there was a positive result for
 total coliform from routine, repeat of high turbidity sample.

Failure to analyze repeat samples.

Does an MCL violation exist? YES NO

If yes, check reason(s) below.

Two or more positive total coliform samples for systems collecting 40
 or more samples (routine, repeat or hiturb) per month.

Positive E. Coli result followed by a positive total coliform repeat sample.

Positive total coliform result followed by a positive E. Coli repeat sample.

Reported by: *J. A. Klass*

Date: 5-6-04

Title: Water Systems Supervisor

Certification No. NY0031941

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169

STATION 11515100

SUFFOLK COUNTY

REPORTING PERIOD: APRIL

2004

LOCATION: WELL NO. 11

Did an emergency occur in any part of the water system? YES NO

Source: Ground Water

Does the system have a chlorination waiver? YES NO

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer 548876
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide	Totalizer	
		Gallons	Cl2 use per 24hrs				
1	1,542	39+111	21	0.76	6.8	550418	
2	1,516	123	27	0.68	6.9	551934	
3	0						
4	0						
5	4,280	60	63	NR	NR	556214	
6	1,358	42	18	1.2	6.8	557572	
7	1,217	30+120	12	NR	NR	558789	
8	1,428	130	20	0.99	7	560217	
9	1,530	99	31	1.2	7.8	561747	
10	0						
11	0						
12	4,603	30+120	69	0.37	5.8	566350	
13	1,560	132	18	0.93	NR	567910	
14	1,570	111	21	0.89	NR	569480	
15	1,532	93	18	0.9	NR	571012	
16	1,516	75+75	18	0.85	NR	572528	
17	0						
18	0						
19	4,633	93	57	0.8	NR	577161	
20	1,807	78	15	0.82	NR	578968	
21	1,245	60	18	0.9	NR	580213	
22	1,561	42	18	NR	NR	581774	
23	1,504	30+120	12	0.85	NR	583278	
24	0						
25	0						
26	4,538	100	50	NR	NR	587816	
27	1,430	80	20	NR	NR	589246	
28	1,461	57	23	1.5	NR	590707	
29	1,513	42+108	15	0.9	NR	592220	
30	1,551	135	15	0.83	7	593771	
31	0						
TOT	44,895		579				
AVG	1496.50		19.30	No. Days:	30		

Population Served 3,500

Number of routine samples 4

(Must collect a minimum of 5 routine samples the month following a repeat sample collection)

Number of actual routine samples 7

Does a M&AR violation exist? YES NO

If yes, check reason's below.

Actual number of samples fewer than required.

Failure to analyze for E. Coli if there was a positive result for total coliform from routine, repeat of high turbidity sample.

Failure to analyze repeat samples.

Does an MCL violation exist? YES NO

If yes, check reason(s) below.

Two or more positive total coliform samples for systems collecting 40 or more samples (routine, repeat or hiturb) per month.

Positive E. Coli result followed by a positive total coliform repeat sample.

Positive total coliform result followed by a positive E. Coli repeat sample.

Reported by: Ad Rose

Date: 5-6-04

Title: Water Systems Supervisor

Certification No. NY0031941

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169

STATION 11515100

SUFFOLK COUNTY

REPORTING PERIOD: APRIL

2004

LOCATION: WELL NO. 12

Did an emergency occur in any part of the water system? YES NO

Source: Ground Water

Does the system have a chlorination waiver? YES NO

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer
	Treated Water	Liquid Sodium Hypochlorite		Free Cl2 Residual	Lime Sodium	683125	
	K Gals	Gallons	Cl2 use per 24hrs	mg/l	Hydroxide		
1	6	123	0	NR	NR	683131	
2	0	123	0	NR	NR	683131	
3	0						
4	0						
5	0	123	0	NR	NR	683131	
6	0	123	0	NR	NR	683131	
7	130	123	0	NR	NR	683261	
8	0	123	0	NR	NR	683261	
9	0	123	0	NR	NR	683261	
10	0						
11	0						
12	32	123	0	NR	NR	683293	
13	0	123	0	NR	NR	683293	
14	3	123	0	NR	NR	683296	
15	165	121	2	NR	NR	683461	
16	0	121+29	0	NR	NR	683461	
17	0						
18	0						
19	0	150	0	NR	NR	683461	
20	194	147	3	NR	NR	683655	
21	189	146	1	NR	NR	683844	
22	56	146	0	NR	NR	683900	
23	0	146	0	NR	NR	683900	
24	0						
25	0						
26	6	146	0	NR	NR	683906	
27	0	146	0	NR	NR	683906	
28	3	146	0	NR	NR	683909	
29	0	146	0	NR	NR	683909	
30	0	146	0	NR	NR	683909	
31	0						
TOT	784		6				
AVG.	26.13		0.20	No. Days:	30		

Population Served 3,500

Number of routine samples 4

(Must collect a minimum of 5 routine samples the month following a repeat sample collection)

Number of actual routine samples 7

Does a M&AR violation exist? YES NO

If yes, check reason's below.

Actual number of samples fewer than required.

Failure to analyze for E. Coli if there was a positive result for total coliform from routine, repeat of high turbidity sample.

Failure to analyze repeat samples.

Does an MCL violation exist? YES NO

If yes, check reason(s) below.

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Positive E. Coli result followed by a positive total coliform repeat sample.

Positive total coliform result followed by a positive E. Coli repeat sample.

Reported by: *[Signature]*

Title: Water Systems Supervisor

Date: 5-6-04

Certification No. NY0031941

5/6/2004
Pump Data

MONTHLY GALLONAGE REPORT
APRIL2004.XLS

Date	Well 4	Well 6	Well 7	Well10	Well11	Well12	Daily Total
1	0	0	0	0	1,542	6	1,548
2	0	0	0	0	1,516	0	1,516
3	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0
5	0	0	0	0	4,280	0	4,280
6	0	0	0	0	1,358	0	1,358
7	0	1	0	0	1,217	130	1,348
8	0	0	0	0	1,428	0	1,428
9	0	0	0	0	1,530	0	1,530
10	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0
12	16	7	4	104	4,603	32	4,766
13	0	0	0	0	1,560	0	1,560
14	0	0	0	0	1,570	3	1,573
15	0	0	0	0	1,532	165	1,697
16	0	0	0	0	1,516	0	1,516
17	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0
19	0	0	0	0	4,633	0	4,633
20	0	0	0	0	1,807	194	2,001
21	0	205	276	0	1,245	189	1,915
22	0	51	0	0	1,561	56	1,668
23	0	132	240	0	1,504	0	1,876
24	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0
26	268	0	0	1	4,538	6	4,813
27	0	138	173	0	1,430	0	1,741
28	0	0	12	0	1,461	3	1,476
29	0	10	9	0	1,513	0	1,532
30	0	37	264	0	1,551	0	1,852
31	0	0	0	0	0	0	0
Total	284	581	978	105	44,895	784	47,627
		Totalizer			Totalizer		Total(x1,000)
		This Month			Last Month		Gallons
	Well 4	1,648,622			1,648,338		284
	Well 6	436,196			435,615		581
	Well 7	1,375,117			1,374,139		978
	Well 10	769,432			769,327		105
	Well 11	593,771			548,876		44,895
	Well 12	683,909			683,125		784
AGS Water Supply Meter		500,954			494,529		6425.00
Medical Reactor - Well 105		0			0		0.00
Biology Building - Well 9		6,792,770			6,792,340		0.43

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040, FAX: (631) 420-3438 NYSDOH ID# 10478

LABORATORY RESULTS

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

Lab No. : 0404356-001A

Sample Information...
Type : Potable Water
Origin : Distribution
Routine

Federal ID 5111891
Collected : 4/9/04 8:15:00 AM
Received : 4/9/04 3:00:00 PM
Collected By : CLIENT
Copy : Original
CC

Client ID. : 17810-001

Point No : 094-273
Location : B-49 Water Tower

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	04/10/2004 10:30 AM
E_Coliform	Absent		Absent	M9223	04/10/2004 10:30 AM
Total Residual Chlorine	1.0	mg/L		M4500-Cl G	04/09/2004

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.

Date Reported : 5/4/04

Laboratory Manager

H2M LABS, INC.575 Broad Hollow Road, Melville NY 11747
(631) 694-3040. FAX: (631) 420-4438 NYSDOH ID# 10478LABORATORY RESULTSBrookhaven National Lab.-BNLM
70 Bell Ave.

Lab No. : 0404356-002A

Sample Information...

Type : Potable Water

Upton, NY 11973

Origin : Distribution

Attn To : S. Scarpitta

Routine

Federal ID 5111891

Client ID. : 17810-002

Collected : 4/9/04 8:45:00 AM

Point No : 076-408

Received : 4/9/04 3:00:00 PM

Location : B-640 Water Tower

Collected By : CLIENT

Copy : Original

CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	04/10/2004 10:30 AM
E_Coliform	Absent		Absent	M9223	04/10/2004 10:30 AM
Total Residual Chlorine	0.6	mg/L		M4500-Cl G	04/09/2004

Result(s) reported meet(=) Regulatory Limit(s).
 Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.

Date Reported : 5/4/04

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040, FAX: (631) 420-3436 NYSDOH ID# 10478

LABORATORY RESULTS

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

Lab No. : 0404356-003A

Sample Information...
Type : Potable Water
Origin : Distribution
Routine

Federal ID 5111891
Collected : 4/9/04 8:30:00 AM
Received : 4/9/04 3:00:00 PM
Collected By : CLIENT
Copy : Original
CC

Client ID. : 17810-002

Point No : 109-19
Location : B-363 Apt.Laundry

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	04/10/2004 10:30 AM
E_Coliform	Absent		Absent	M9223	04/10/2004 10:30 AM
Total Residual Chlorine	0.3	mg/L		M4500-CI G	04/09/2004

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.

Date Reported : 5/4/04

Laboratory Manager

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX: (631) 420-9436 NYSDOH ID # 10478

LABORATORY RESULTS

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

Lab No. : 0404356-004A

Sample Information...
Type : Potable Water
Origin : Distribution
Routine

Federal ID 5111891

Client ID. : 17810-004

Collected : 4/9/04 9:00:00 AM

Point No : 045-12

Received : 4/9/04 3:00:00 PM

Location : B-1005 RHIC

Collected By : CLIENT

Copy : Original

CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	04/10/2004 10:30 AM
E_Coliform	Absent		Absent	M9223	04/10/2004 10:30 AM
Total Residual Chlorine	0.4	mg/L		M4500-CI G	04/09/2004

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.

Date Reported : 5/4/04

Laboratory Manager

H2M LABS, INC.575 Broad Hollow Road, Melville, NY 11747
(631) 694-3040. FAX: (631) 420-8436 NYSDOH ID# 10478**LABORATORY RESULTS**

Brookhaven National Lab.-BNLM

70 Bell Ave.

Upton, NY 11973

Attn To : S. Scarpitta

Federal ID 5111891

Collected : 4/9/04 10:00:00 AM

Received : 4/9/04 3:00:00 PM

Collected By : CLIENT

Copy : Original

CC

Lab No. : 0404356-005A

Client ID. : 17810-005

Point No : 075-802

Location : B-725 NSLS

Sample Information...

Type : Potable Water

Origin : Distribution

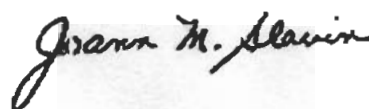
Routine

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	04/10/2004 10:30 AM
E_Coliform	Absent		Absent	M9223	04/10/2004 10:30 AM
Total Residual Chlorine	1.7	mg/L		M4500-Cl G	04/09/2004

Result(s) reported meet(s) Regulatory Limit(s).

Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.

Date Reported : 5/4/04



H2M LABS, INC.575 Broad Hollow Road, Melville NY 11747
(831) 894-3040 . FAX: (631) 420-3436 NYSDOH ID# 10478**LABORATORY RESULTS**Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : S. Scarpitta

Lab No. : 0404356-006A

Sample Information...
Type : Potable Water
Origin : Distribution
RoutineFederal ID 5111891
Collected : 4/9/04 11:00:00 AM
Received : 4/9/04 3:00:00 PM
Collected By : CLIENT
Copy : Original
CC

Client ID. : 17810-006

Point No : 084-69
Location : B-490 Block 1 ACF

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	04/10/2004 10:30 AM
E_Coliform	Absent		Absent	M9223	04/10/2004 10:30 AM
Total Residual Chlorine	1.0	mg/L		M4500-Cl G	04/09/2004

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.

Date Reported : 5/4/04

Joann M. Blawie

Laboratory Manager

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX: (631) 420-3436 NYSDOHID#10478

LABORATORY RESULTS

Brookhaven National Lab.-BNLM
70 Bell Ave.

Lab No. : 0404356-007A

Sample Information...

Type : Potable Water

Origin : Distribution

Routine

Upton, NY 11973

Attn To : S. Scarpitta

Client ID. : 17810-007

Federal ID 5111891

Collected : 4/8/04 10:45:00 AM

Point No : 084-88

Received : 4/8/04 3:00:00 PM

Location : B-490 Block 4 MRC

Collected By : CLIENT

Copy : Original

CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	04/10/2004 10:30 AM
E_Coliform	Absent		Absent	M9223	04/10/2004 10:30 AM
Total Residual Chlorine	1.1	mg/L		M4500-C1 G	04/09/2004

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.

Date Reported : 5/4/04

Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0404356-008A

Sample Information...
 Type : Potable Water
 Origin : Distribution
 Routine

Federal ID 5111891
 Collected : 4/9/04 8:30:00 AM
 Received : 4/9/04 3:00:00 PM
 Collected By : CLIENT
 Copy : Original
 CC

Client ID. : 17810-008

Point No : 1
 Location : Duplicate - Bldg. 363

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Total Coliform	Negative		Negative	M9223	04/10/2004 10:30 AM
E_Coliform	Absent		Absent	M9223	04/10/2004 10:30 AM
Total Residual Chlorine	0.3	mg/L		M4500-Cl G	04/09/2004

Result(s) reported meet(s) Regulatory Limit(s).
 Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.

Date Reported : 5/4/04

Jessica M. Slavin

ATTACHMENT II

Brookhaven National Laboratory

Potable Water Supply

April 2004 Biweekly 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
April 2004

Sample Location	Sample Date	pH (SU)	Temperature (Degrees F)	Conductivity (µmhos)	Alkalinity (mg/L)	Calcium (mg/L)
WTP	4/1/04	6.4	53	211	ANR	ANR
WTP	4/6/04	7.2	56	185	ANR	ANR
WTP	4/8/04	7.0	55	251	ANR	ANR
WTP	4/13/04	6.8	55	154	ANR	ANR
WTP	4/15/04	6.3	55	154	ANR	ANR
WTP	4/20/04	6.6	55	151	ANR	ANR
WTP	4/22/04	6.3	56	154	ANR	ANR
WTP	4/27/04	6.2	57	153	ANR	ANR
WTP	4/29/04	6.2	58	149	ANR	ANR
Well #11	4/1/04	6.8	55	120	ANR	ANR
Well #11	4/6/04	6.8	55	149	ANR	ANR
Well #11	4/8/04	7.0	55	272	ANR	ANR
Well #11	4/13/04	NR	55	145	ANR	ANR
Well #11	4/15/04	NR	55	143	ANR	ANR
Well #11	4/20/04	NR	55	NR	ANR	ANR
Well #11	4/22/04	NR	55	NR	ANR	ANR
Well #11	4/27/04	NR	55	141	ANR	ANR
Well #11	4/29/04	NR	55	147	ANR	ANR

ANR- Analysis Not Required

NR- Not Reported

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