

June 7, 2002

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

Dear Ms. Newcomer:

SUBJECT: Monthly Water Treatment Plant Reports
Reference: Suffolk County Minimum Monitoring Requirements for May 2002

In accordance with the requirements of the BNL Potable Water System Sampling Plan and the 2002 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 Bacteriological and Operational Reports for May 2002.
- Attachment II: May 2002 Biweekly Water Quality Monitoring Data for the BNL Potable Water Wells and BNL Distribution System.

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 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.

June 7, 2002

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

Sincerely,



Lori Cunniff, CEP
Division Manager



LC/MA:rt

Attachments: As noted

cc:	M. Allocco	w/attachments
	W. Chaloupka	w/attachments
	J. Granzen	w/attachments
	R. Lee	w/attachments
	E. Murphy	w/attachments
	P. Ponturo	SCDHS, w/o attachments
	L. Ross	w/o attachments
	T. Sheridan	w/o attachments

EC61ER.02

ATTACHMENT I

**Brookhaven National Laboratory
Potable Water Supply**

**Monthly Bacteriological and Operational
Reports for May 2002**

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169

STATION 11515100

SUFFOLK COUNTY

REPORTING PERIOD:

MAY 2002

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
	Treated Water	Liquid Sodium Hypochlorite		Free Cl2 Residual	Lime		
		Gallons	Cl2 use per 24hrs		Sodium Hydroxide		
	K Gals	152		mg/l			
1	0	152	0	NR	NR		12605178
2	0	152	0	NR	NR		12605178
3	1	152	0	NR	NR		12605179
4	0						
5	0						
6	0	152	0	NR	NR		12605179
7	0	152	0	NR	NR		12605179
8	0	152	0	NR	NR		12605179
9	3	152	0	1.02	7.3		12605182
10	0	152	0	0.99	7.2		12605182
11	0						
12	0						
13	0	155	0	1.04	6.8		12605182
14	0	155	0	0.95	7		12605182
15	0	155	0	1.02	7.1		12605182
16	0	155	0	1.05	7.3		12605182
17	0	155	0	1.05	7.3		12605182
18	0						
19	0						
20	0	155	0	1.03	7.3		12605182
21	18	155	0	1.02	7.5		12605200
22	0	155	0	1.53	7.5		12605200
23	26	155	0	0.58	7.6		12605226
24	441	152	3	0.55	7.7		12605667
25	0						
26	0						
27	49	149	3	NR	NR		12605716
28	999	149	0	0.79	7.2		12606715
29	653	148	1	0.58	7.5		12607368
30	146	147	1	0.37	7.5		12607514
31	1,235	138	9	0.6	7.6		12608749
TOT	3,571		17				
AVG.	115.19		0.55	No. Days:	31		

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.C. Ross

Date: 6-4-02

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: MAY 2002
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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 1479844
	Treated Water K. Gals	Liquid Sodium Hypochlorite		Free Cl ₂ Residual mg/l	Lime Sodium Hydroxide		
		Gallons	Cl ₂ use per 24hrs				
1	0	130	0	NR	NR	1479844	
2	0	130	0	NR	NR	1479844	
3	0	130	0	NR	NR	1479844	
4	0						
5	0						
6	0	130	0	NR	NR	1479844	
7	0	130	0	NR	NR	1479844	
8	0	130	0	NR	NR	1479844	
9	0	130	0	NR	NR	1479844	
10	0	130	0	NR	NR	1479844	
11	0						
12	0						
13	0	130	0	NR	NR	1479844	
14	0	130	0	NR	NR	1479844	
15	0	130	0	NR	NR	1479844	
16	0	130	0	NR	NR	1479844	
17	0	130	0	NR	NR	1479844	
18	0						
19	0						
20	0	130	0	NR	NR	1479844	
21	0	130	0	NR	NR	1479844	
22	0	130	0	NR	NR	1479844	
23	0	130	0	NR	NR	1479844	
24	0	130	0	NR	NR	1479844	
25	0						
26	0						
27	0	130	0	NR	NR	1479844	
28	0	130	0	NR	NR	1479844	
29	0	130	0	NR	NR	1479844	
30	0	130	0	NR	NR	1479844	
31	0	130	0	NR	NR	1479844	
TOT	0		0				
AVG.	0.00		0.00	No. Days:	31		

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.C. Han*

Date: 6-4-02

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: MAY 2002
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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 Cl ₂ Residual mg/l	Lime Sodium Hydroxide	Totalizer	
		Gallons	Cl ₂ use per 24hrs				
1	0	197	0	NR	NR	323696	
2	0	197	0	NR	NR	323696	
3	0	197	0	NR	NR	323696	
4	0						
5	0						
6	0	197	0	NR	NR	323696	
7	0	197	0	NR	NR	323696	
8	0	197	0	NR	NR	323696	
9	0	197	0	NR	NR	323696	
10	0	197	0	NR	NR	323696	
11	0						
12	0						
13	0	197	0	NR	NR	323696	
14	0	197	0	NR	NR	323696	
15	0	197	0	NR	NR	323696	
16	0	197	0	NR	NR	323696	
17	0	197	0	NR	NR	323696	
18	0						
19	0						
20	0	197	0	NR	NR	323696	
21	0	197	0	NR	NR	323696	
22	0	197	0	NR	NR	323696	
23	0	197	0	NR	NR	323696	
24	276	190	7	0.02	6	323972	
25	0						
26	0						
27	67	189	1	NR	NR	324039	
28	20	188	1	0.07	6	324059	
29	419	180	8	0.5	6	324478	
30	42	179	3	0.03	6	324520	
31	607	168	11	0.08	5.9	325127	
TOT	1,431		31				
AVG.	46.16		1.00	No. Days:	31		

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: *Ja Ross*

Title: Water Systems Supervisor

Date: 6-4-02

Certification No. NY0031941

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169 STATION 11515100 SUFFOLK COUNTY REPORTING PERIOD: MAY 2002

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	Liquid Sodium Hypochlorite		Free Cl ₂ Residual	Lime Sodium Hydroxide		
		K Gals	Gallons		Cl ₂ use per 24hrs	mg/l	
1	0	160	0	NR	NR	800633	
2	0	160	0	NR	NR	800633	
3	0	160	0	NR	NR	800633	
4	0						
5	0						
6	0	160	0	NR	NR	800633	
7	0	160	0	NR	NR	800633	
8	0	160	0	NR	NR	800633	
9	0	160	0	NR	NR	800633	
10	0	160	0	NR	NR	800633	
11	0						
12	0						
13	0	160	0	NR	NR	800633	
14	0	160	0	NR	NR	800633	
15	0	160	0	NR	NR	800633	
16	0	160	0	NR	NR	800633	
17	0	160	0	NR	NR	800633	
18	0						
19	0						
20	0	160	0	NR	NR	800633	
21	0	160	0	NR	NR	800633	
22	0	160	0	NR	NR	800633	
23	0	160	0	NR	NR	800633	
24	689	155+45	5	0.02	6	801322	
25	0						
26	0						
27	1,439	188	12	NR	NR	802761	
28	22	180	8	0.07	6	802783	
29	646	168	12	0.5	6	803429	
30	141	162	6	0.03	6	803570	
31	1,295	140	22	0.08	5.9	804865	
TOT	4,232		65				
AVG.	136.52		2.10	No. Days:	31		

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: *JC Row*

Date: 6-4-02

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: MAY 2002
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LOCATION: WELL NO. 10

Source: Ground Water

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

Does the system have a chlorination waiver? YES NO

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer 764327
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide	764327	
		Gallons	Cl2 use per 24hrs				
1	0	58	0	NR	NR	764327	
2	0	58	0	NR	NR	764327	
3	0	58	0	NR	NR	764327	
4	0						
5	0						
6	0	58	0	NR	NR	764327	
7	0	58	0	NR	NR	764327	
8	0	58	0	NR	NR	764327	
9	0	58	0	NR	NR	764327	
10	0	58	0	NR	NR	764327	
11	0						
12	0						
13	0	58	0	NR	NR	764327	
14	0	58	0	NR	NR	764327	
15	0	58	0	NR	NR	764327	
16	0	58	0	NR	NR	764327	
17	0	58	0	NR	NR	764327	
18	0						
19	0						
20	0	58	0	NR	NR	764327	
21	0	58	0	NR	NR	764327	
22	0	58	0	NR	NR	764327	
23	0	58	0	NR	NR	764327	
24	0	58	0	NR	NR	764327	
25	0						
26	0						
27	0	58	0	NR	NR	764327	
28	0	58	0	NR	NR	764327	
29	0	58	0	NR	NR	764327	
30	0	58	0	NR	NR	764327	
31	0	58	0	NR	NR	764327	
TOT	0		0				
AVG	0.00		0.00	No. Days:	31		

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: W. R. R. 2

Date: 6-4-02

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: MAY 2002
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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
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide		
		Gallons	Cl2 use per 24hrs				
1	797	95	16	0.55	7.4	417520	
2	586	82	13	0.3	7	418106	
3	695	75+125	7	1.3	7.1	418801	
4	0						
5	0						
6	1,634	170	30	0.74	6.6	420435	
7	934	155	15	1.16	6.6	421369	
8	1,091	140	15	0.6	6.6	422460	
9	567	130	10	1.12	6.6	423027	
10	554	128+42	2	0.75	6.6	423581	
11	0						
12	0						
13	2,186	155	15	2.7	5.9	425767	
14	848	150	5	0.47	6.6	426615	
15	784	145	5	0.13	6.8	427399	
16	451	142	3	0.92	6.8	427850	
17	1,167	135+45	7	0.85	6.8	429017	
18	0						
19	0						
20	2,607	165	15	0.7	6.8	431624	
21	817	150	15	0.51	6.7	432441	
22	446	140	10	0.35	7.6	432887	
23	1,076	112	28	2.2	6.9	433963	
24	574	105+75	7	0.22	6.9	434537	
25	0						
26	0						
27	1,380	155	25	0.51	6.9	435917	
28	2,013	111	44	1.4	7.2	437930	
29	70	110+90	1	0.27	7.3	438000	
30	493	190	10	0.31	7.4	438493	
31	20	190	0	0.21	6.8	438513	
TOT	21,790		298				
AVG.	702.90		9.61	No. Days:	31		

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: *J. C. Rose*

Date: 6-4-02

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: MAY 2002
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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 K Gals	Liquid Sodium Hypochlorite		Free Cl ₂ Residual mg/l	Lime Sodium Hydroxide	Totalizer	
		Gallons	Cl ₂ use per 24hrs				
1	1,399	163	14	1.6	8.4	481157	
2	1,416	145	18	1.3	8.1	482573	
3	1,395	140+40	5	0.3	8	483968	
4	0						
5	0						
6	4,084	135	45	0	8	488052	
7	1,361	120	15	1.24	7.9	489413	
8	1,374	100	20	1.16	7.8	490787	
9	1,408	85	15	1.15	7.9	492195	
10	1,411	70+130	15	1.19	7.9	493606	
11	0						
12	0						
13	4,200	155	45	1.06	7.9	497806	
14	1,386	140	15	1.4	7.8	499192	
15	1,422	125	15	1.2	8	500614	
16	1,394	110	15	0.99	8.1	502008	
17	1,387	95+105	15	1.05	8.1	503395	
18	0						
19	0						
20	4,155	157	43	0.72	8.3	507550	
21	1,388	141	16	1.29	8.2	508938	
22	1,402	130	11	1.33	8.2	510340	
23	1,380	115	15	0.9	7.6	511720	
24	1,427	102+98	13	0.96	7.6	513147	
25	0						
26	0						
27	3,540	170	30	0.9	7.6	516687	
28	2,024	152	18	0.92	7.3	518711	
29	1,418	140+60	12	0.98	7.5	520129	
30	1,361	190	10	1	8.4	521490	
31	935	181	9	1	8.2	522425	
TOT	42,667		429				
AVG.	1376.35		13.84	No. Days:	31		

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 hturb) 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: *LA [Signature]*

Date: 6-9-02

Title: Water Systems Supervisor

Certification No. NY0031941

5/31/02
Pump Data

MONTHLY GALLONAGE REPORT
2002 may

Date	Well 4	Well 6	Well 7	Well 10	Well 11	Well 12	Daily Total
1	0	0	0	0	797	1,399	2,196
2	0	0	0	0	586	1,416	2,002
3	0	0	0	0	695	1,395	2,090
4	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0
6	0	0	0	0	1,634	4,084	5,718
7	0	0	0	0	934	1,361	2,295
8	0	0	0	0	1,091	1,374	2,465
9	0	0	0	0	567	1,408	1,975
10	0	0	0	0	554	1,411	1,965
11	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0
13	0	0	0	0	2,186	4,200	6,386
14	0	0	0	0	848	1,386	2,234
15	0	0	0	0	784	1,422	2,206
16	0	0	0	0	451	1,394	1,845
17	0	0	0	0	1,167	1,387	2,554
18	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0
20	0	0	0	0	2,607	4,155	6,762
21	0	0	0	0	817	1,388	2,205
22	0	0	0	0	446	1,402	1,848
23	0	0	0	0	1,076	1,380	2,456
24	0	276	689	0	574	1,427	2,966
25	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0
27	0	67	1,439	0	1,380	3,540	6,426
28	0	20	22	0	2,013	2,024	4,079
29	0	419	646	0	70	1,418	2,553
30	0	42	141	0	493	1,361	2,037
31	0	607	1,295	0	20	935	2,857
Total	0	1,431	4,232	0	21,790	42,667	70,120
			Totalizer This Month		Totalizer Last Month		Total(x1,000) Gallons
	Well 4		1,479,844		1,479,844		0
	Well 6		325,127		323,696		1,431
	Well 7		804,865		800,633		4,232
	Well 10		764,327		764,327		0
	Well 11		438,513		416,723		21,790
	Well 12		522,425		479,758		42,667
AGS Water Supply Meter			398,622		368,852		29770.00
Medical Reactor - Well 105			0		0		0.00

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. : 0205068-001

Sample Information...

Type : Potable Water

Origin: Dist.

Federal ID 5111891

Client ID. : 13457-01

Collected 5/2/2002 12:45:00 PM Point No 094-273

Received 5/2/2002 2:47:00 PM Location: B-49 WATER TOWER

Collected By PP99

Copies To BOB LEE

<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	5/2/2002 4:15:00 PM
E_Coliform	Absent		Absent	M9223	5/2/2002 4:15:00 PM
Total Residual Chlorine	0.7	mg/L		M4500-Cl G	5/2/2002

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

Date Reported : 5/7/2002

Joann M. Slavin

Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM

70 BELL AVE.

UPTON, NY 11973

Attn To : S. SCARPITTA

Lab No. : 0205068-002

Sample Information...

Type : Potable Water

Origin: Dist.

Federal ID 5111891

Client ID. : 13457-02

Collected 5/2/2002 10:45:00 AM

Point No 076-408

Received 5/2/2002 2:47:00 PM

Location: B-640 WATER TOWER

Collected By PP99

Copies To BOB LEE

<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	5/2/2002 4:15:00 PM
E_Coliform	Absent		Absent	M9223	5/2/2002 4:15:00 PM
Total Residual Chlorine	0.7	mg/L		M4500-CI G	5/2/2002

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

Date Reported : 5/7/2002

Joann M. Slavin

Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB. -BNLM

.70 BELL AVE.

UPTON, NY 11973

Attn To : S. SCARPITTA

Lab No. : 0205068-003

Sample Information...

Type : Potable Water

Origin: Dist.

Federal ID 5111891

Client ID. : 13457-03

Collected 5/2/2002 10:30:00 AM Point No 045-12

Received 5/2/2002 2:47:00 PM Location: B-1005 RHIC

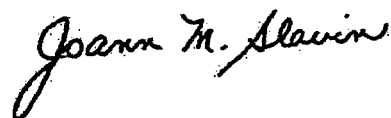
Collected By PP99

Copies To BOB LEE

<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	5/2/2002 4:15:00 PM
E_Coliform	Absent		Absent	M9223	5/2/2002 4:15:00 PM
Total Residual Chlorine	1.0	mg/L		M4500-Cl G	5/2/2002

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

Date Reported : 5/7/2002



Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM
70 BELL AVE.
UPTON, NY 11973
Attn To : S. SCARPITTA

Lab No. : 0205068-004

Sample Information...
Type : Potable Water
Origin: Dist.

Federal ID 5111891
Collected 5/2/2002 9:15:00 AM Point No 109-19
Received 5/2/2002 2:47:00 PM Location: B-363 APT.LAUNDRY
Collected By PP99
Copies To BOB LEE

Client ID. : 13457-04

<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	5/2/2002 4:15:00 PM
E_Coliform	Absent		Absent	M9223	5/2/2002 4:15:00 PM
Total Residual Chlorine	0.7	mg/L		M4500-Cl G	5/2/2002

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

Date Reported : 5/7/2002

Joann M. Slawin

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. : 0205068-005

Sample Information...
Type : Potable Water
Origin: Dist.

Federal ID 5111891

Client ID : 13457-05

Collected 5/2/2002 10:20:00 AM Point No 054-187

Received 5/2/2002 2:47:00 PM Location: B-930 LINAC

Collected By PP99

Copies To BOB LEE

<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	5/2/2002 4:15:00 PM
E_Coliform	Absent		Absent	M9223	5/2/2002 4:15:00 PM
Total Residual Chlorine	1.0	mg/L		M4500-Cl G	5/2/2002

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

Date Reported : 5/7/2002

Joann M. Alavin

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. : 0205068-006

Sample Information...
Type : Potable Water
Origin: Dist.

Federal ID 5111891

Client ID. : 13457-06

Collected 5/2/2002 11:05:00 AM

Point No 084-70

Received 5/2/2002 2:47:00 PM

Location: B-490 OUTPATIENT CLINIC

Collected By PP99

Copies To BOB LEE

<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	5/2/2002 4:15:00 PM
E_Coliform	Absent		Absent	M9223	5/2/2002 4:15:00 PM
Total Residual Chlorine	0.9	mg/L		M4500-Cl G	5/2/2002

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

Date Reported : 5/7/2002

Joann M. Slavin

Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM
70 BELL AVE.
UPTON, NY 11973
Attn To : S. SCARPITTA

Lab No. : 0205068-007

Sample Information...
Type : Potable Water
Origin: Dist.

Federal ID 5111891
Collected 5/2/2002 11:20:00 AM Point No 084-67
Received 5/2/2002 2:47:00 PM Location: B-490 BLOCK 11
Collected By PP99
Copies To BOB LEE

Client ID. : 13457-07

<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	5/2/2002 4:15:00 PM
E_Coliform	Absent		Absent	M9223	5/2/2002 4:15:00 PM
Total Residual Chlorine	0.5	mg/L		M4500-Cl G	5/2/2002

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

Date Reported : 5/7/2002

Joann M. Slavina

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. : 0205068-008

Sample Information...

Type : Potable Water

Origin: Dist.

Federal ID 5111891

Client ID. : 13457-08

Collected 5/2/2002 10:45:00 AM Point No 076-408

Received 5/2/2002 2:47:00 PM Location: B-640 WATER TOWER

Collected By PP99

Copies To BOB LEE

<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	5/2/2002 4:15:00 PM
E_Coliform	Absent		Absent	M9223	5/2/2002 4:15:00 PM
Total Residual Chlorine	0.7	mg/L		M4500-CI G	5/2/2002

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

Date Reported : 5/7/2002

Joann M. Slavin

ATTACHMENT II

**Brookhaven National Laboratory
Potable Water Supply**

**May 2002 Biweekly Water Quality Monitoring Data for
the BNL Potable Water Wells and
the BNL Distribution System**

Attachment II
Table 1
Summary of Water Quality Analyses
for the BNL Potable Water System
May 2002

Sample Location	Sample Date	pH (SU)	Temperature (Degrees F)	Conductivity (μ mhos)	Alkalinity (mg/L)	Calcium (mg/L)
WTP	5/2/02	7.3	58	179	NR	NR
WTP	5/7/02	7.3	56	180	NR	NR
WTP	5/9/02	7.2	56	175	NR	NR
WTP	5/14/02	7.0	59	179	NR	NR
WTP	5/16/02	7.3	59	170	NR	NR
WTP	5/21/02	7.5	59	183	NR	NR
WTP	5/23/02	7.6	60	189	NR	NR
WTP	5/28/02	7.4	59	180	NR	NR
WTP	5/30/02	7.5	57	138	NR	NR
Well 11	5/2/02	7.0	55	205	NR	NR
Well 11	5/7/02	6.6	54	199	NR	NR
Well 11	5/9/02	6.6	55	193	NR	NR
Well 11	5/14/02	6.6	55	182	NR	NR
Well 11	5/16/02	6.8	55	191	NR	NR
Well 11	5/21/02	6.7	55	201	NR	NR
Well 11	5/23/02	6.9	55	205	NR	NR
Well 11	5/28/02	7.2	55	196	NR	NR
Well 11	5/30/02	7.4	55	175	NR	NR
Well 12	5/2/02	8.1	56	215	NR	NR
Well 12	5/7/02	7.9	54	174	NR	NR
Well 12	5/9/02	7.9	54	174	NR	NR
Well 12	5/14/02	7.8	55	175	NR	NR
Well 12	5/16/02	8.1	55	174	NR	NR
Well 12	5/21/02	8.2	55	178	NR	NR
Well 12	5/23/02	7.6	55	173	NR	NR
Well 12	5/28/02	7.3	56	165	NR	NR
Well 12	5/30/02	8.4	56	171	NR	NR

NR - Analysis Not Required or Not Reported

WTP - Water Treatment Plant

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