

February 8, 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 January 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 January 2002.
- Attachment II: January 2002 Biweekly Water Quality Monitoring Data for the BNL Potable Water Wells and BNL Distribution System.

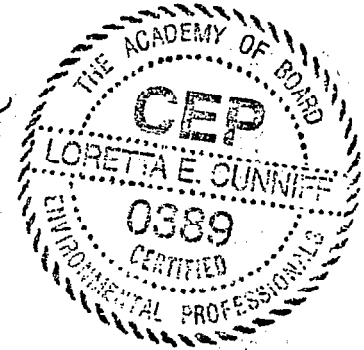
All analytical results have been reviewed and have been found to be within New York State Department of Health Drinking Water Standards (NYSDOH DWS). Collection and analysis of these samples are performed in accordance with the guidelines of the BNL Quality Assurance program, the SCDHS Community Water 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.

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

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 January 2002**

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

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

LOCATION: **Water Treatment Facility**

Did an emergency occur in any part of the water system? YES _____ NO X
 Source: Ground Water Does the system have a chlorination waiver? YES _____ NO X

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer 12502966
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual	Lime Sodium Hydroxide	Totalizer	
		Gallons	Cl2 use per 24hrs	mg/l			
1	0						
2	0	200	0	0.8	7.8	12502966	
3	0	200	0	0.8	7.8	12502966	
4	0	200	0	0.88	7.8	12502966	
5	0						
6	0						
7	0	200	0	0.94	7.5	12502966	
8	50	200	0	1	7.6	12503016	
9	249	200	0	0.83	7.6	12503265	
10	339	198	2	0.92	7.6	12503604	
11	812	170-20	8	0.37	7.4	12504416	
12	0						
13	0						
14	1,921	150	40	0.6	7.5	12506337	
15	1,190	140	10	0.6	7.5	12507527	
16	903	130	10	0.55	7.8	12508430	
17	1,252	118+82	12	0.4	7.7	12509682	
18	1,324	195	5	0.56	7.7	12511006	
19	0						
20	0						
21	3,870	160	35	0.6	7.4	12514876	
22	1,189	150	10	1.1	7.5	12516065	
23	1,297	140	10	0.7	7.6	12517362	
24	1,324	127	13	0.98	7.7	12518686	
25	1,215	110+90	17	1	7.7	12519901	
26	0						
27	0						
28	3,451	165	35	0.85	7.5	12523352	
29	1,148	155	10	0.55	7.5	12524500	
30	1,367	140	15	0.62	7.5	12525867	
31	1,394	130	10	1.34	7.5	12527261	
TOT	24,295		242				
AVG.	783.71		7.81	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 X

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 X

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: *JK Pass*

Date: 2-7-02

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: JANUARY 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						
2	0	130	0	NR	NR	1479844	
3	0	130	0	NR	NR	1479844	
4	0	130	0	NR	NR	1479844	
5	0						
6	0						
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	130	0	0.04	5.9	1479844	
12	0						
13	0						
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	130	0	NR	NR	1479844	
19	0						
20	0						
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	130	0	NR	NR	1479844	
26	0						
27	0						
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: *Joe Perry*

Date 2-7-02

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: JANUARY

2002

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		
		Gallons	Cl ₂ use per 24hrs				
1	0						
2	0	200	0	NR	NR		273648
3	0	200	0	NR	NR		273648
4	0	200	0	NR	NR		273648
5	0						
6	0						
7	0	200	0	NR	NR		273648
8	93	200	0	NR	NR		273741
9	109	200	0	NR	NR		273850
10	162	200	0	NR	NR		274012
11	370	195	5	0.04	6.1		274382
12	0						
13	0						
14	344	187	8	0.05	6.1		274726
15	386	179	8	0.03	6.1		275112
16	194	175	4	0.03	6.1		275306
17	508	163	12	0.03	6		275814
18	542	152+48	9	0.08	6		276356
19	0						
20	0						
21	1,741	165	35	0.6	6		278097
22	521	155	10	0.02	6		278618
23	590	142	13	0.018	6		279208
24	554	132	10	0.02	6.1		279762
25	455	120+40	12	0.016	6		280217
26	0						
27	0						
28	1,638	122	38	0.03	5.9		281855
29	497	114	8	0.03	6		282352
30	546	102	12	0.03	5.9		282898
31	720	90	12	0.02	5.9		283618
TOT	9,970		196				
AVG.	321.61		6.32	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: Lo [Signature]

Date: 2-7-02

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: JANUARY 2002
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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	Lime Sodium	Totalizer Daily Totalizer	
		Gallons	Cl2 use per 24hrs	mg/l	Hydroxide		
1	0						689547
2	0	200	0	NR	NR		689547
3	0	200	0	NR	NR		689547
4	0	200	0	NR	NR		689547
5	0						
6	0						
7	0	200	0	NR	NR		689547
8	278	198	2	NR	NR		689825
9	234	198	0	NR	NR		690059
10	262	194	4	NR	NR		690321
11	1,008	188	6	0.04	5.99		691329
12	0						
13	0						
14	2,349	168	20	0.05	6.1		693678
15	1,306	158	10	0.03	6.1		694984
16	1,048	150	8	0.03	6.1		696032
17	1,216	133	17	0.03	6		697248
18	1,258	120+80	13	0.08	6		698506
19	0						
20	0						
21	3,786	160	40	0.6	6		702292
22	1,122	150	10	0.02	6		703414
23	1,185	133	17	0.018	6		704599
24	1,242	120	13	0.02	6.1		705841
25	1,181	105+95	15	0.016	6		707022
26	0						
27	0						
28	3,469	160	40	0.03	5.9		710491
29	1,103	148	12	0.03	6		711594
30	1,366	130	18	0.03	5.9		712960
31	1,433	113	17	0.02	5.9		714393
TOT	24,846		262				
AVG.	801.48		8.45	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: *Joe P...*

Date: 2-7-02

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: JANUARY

2002

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 764326
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl ₂ Residual mg/l	Lime Sodium Hydroxide		
		Gallons	Cl ₂ use per 24hrs				
1	0	58	0	NR	NR	764326	
2	0	58	0	NR	NR	764326	
3	0	58	0	NR	NR	764326	
4	0	58	0	NR	NR	764326	
5	0						
6	0						
7	0	58	0	NR	NR	764326	
8	1	58	0	NR	NR	764327	
9	0	58	0	NR	NR	764327	
10	0	58	0	NR	NR	764327	
11	0	58	0	NR	NR	764327	
12	0						
13	0						
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	58	0	NR	NR	764327	
19	0						
20	0						
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	58	0	NR	NR	764327	
26	0						
27	0						
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	1						
AVG	0.03		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&A R 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: Y. B. Peew

Date: 2-7-02

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: JANUARY

2002

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 385479
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide		
		Gallons	Cl2 use per 24hrs				
1	0						
2	419	180	5	NR	NR	385898	
3	363	180	0	0.86	6.8	386261	
4	134	180	0	NR	NR	386395	
5	0						
6	0						
7	512	172	8	NR	NR	386907	
8	210	168	4	NR	NR	387117	
9	113	167+33	1	NR	NR	387230	
10	112	198	2	0.51	6.5	387342	
11	117	198	0	NR	NR	387459	
12	0						
13	0						
14	83	198	0	0.3	6.8	387542	
15	259	192	6	0.16	7.1	387801	
16	776	181	11	0.77	6.4	388577	
17	117	181	0	0.29	7.1	388694	
18	132	181	0	0.34	7.1	388826	
19	0						
20	0						
21	136	180	1	0.42	7.2	388962	
22	0	180	0	0.25	7	388962	
23	34	180	0	0.6	7.7	388996	
24	0	180	0	NR	NR	388996	
25	151	180	0	NR	NR	389147	
26	0						
27	0						
28	1,744	179	1	0.35	7	390891	
29	125	179	0	0.6	7.1	391016	
30	4	179	0	1	7	391020	
31	11	179	0	0.71	7.1	391031	
TOT	5,552		39				
AVG.	179.10		1.26	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: [Signature]

Date: 2-7-02

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: JANUARY 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		
		Gallons	Cl ₂ use per 24hrs		mg/l	mg/l	
1	0	180					433134
2	2,880	160	20	0.8	8		436014
3	1,456	150	10	0.79	7.9		437470
4	1,433	142	8	0.8	8		438903
5	0						
6	0						
7	4,317	120	22	0.84	7.8		443220
8	1,433	110	10	.80	7.7		444653
9	1,319	102+98	8	NR	NR		445972
10	1,066	189	11	0.83	7.6		447038
11	890	185	4	NR	NR		447928
12	0						
13	0						
14	2,093	172	13	0.78	7.3		450021
15	111	171	1	0.67	7.2		450132
16	4	171	0	1	6.5		450136
17	0	171	0	0.41	7.3		450136
18	2	171	0	0.46	7.3		450138
19	0						
20	0						
21	0	171	0	NR	NR		450138
22	0	171	0	0.5	7.2		450138
23	3	170	1	0.63	7.6		450141
24	0	170	0	NR	NR		450141
25	61	170	0	0.68	7		450202
26	0						
27	0						
28	1	170	0	0.5	7.4		450203
29	73	170	0	0.55	7.4		450276
30	16	170	0	0.66	7.4		450292
31	442	169	1	0.8	7.5		450734
TOT	17,600		109				
AVG.	567.74		3.52	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: *Joe Ross*

Date: 2-7-02

Title: Water Systems Supervisor

Certification No. NY0031941

1/31/02
Pump Data

MONTHLY GALLONAGE REPORT
2002 jan

Date	Well 4	Well 6	Well 7	Well10	Well11	Well12	Daily Total
1	0	0	0	0	0	0	0
2	0	0	0	0	419	2,880	3,299
3	0	0	0	0	363	1,456	1,819
4	0	0	0	0	134	1,433	1,567
5	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0
7	0	0	0	0	512	4,317	4,829
8	0	93	278	1	210	1,433	2,015
9	0	109	234	0	113	1,319	1,775
10	0	162	262	0	112	1,066	1,602
11	0	370	1,008	0	117	890	2,385
12	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0
14	0	344	2,349	0	83	2,093	4,869
15	0	386	1,306	0	259	111	2,062
16	0	194	1,048	0	776	4	2,022
17	0	508	1,216	0	117	0	1,841
18	0	542	1,258	0	132	2	1,934
19	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0
21	0	1,741	3,786	0	136	0	5,663
22	0	521	1,122	0	0	0	1,643
23	0	590	1,185	0	34	3	1,812
24	0	554	1,242	0	0	0	1,796
25	0	455	1,181	0	151	61	1,848
26	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0
28	0	1,638	3,469	0	1,744	1	6,852
29	0	497	1,103	0	125	73	1,798
30	0	546	1,366	0	4	16	1,932
31	0	720	1,433	0	11	442	2,606
Total	0	9,970	24,846	1	5,552	17,600	57,969

	Totalizer This Month	Totalizer Last Month	Total(x1,000) Gallons
Well 4	1,479,844	1,479,844	0
Well 6	283,618	273,648	9,970
Well 7	714,393	689,547	24,846
Well 10	764,327	764,326	1
Well 11	391,031	385,479	5,552
Well 12	450,734	433,134	17,600
AGS Water Supply Meter	345,631	336,991	8640.00
Medical Reactor - Well 105	0	0	0.00
Biology Building - Well 9	6,286,620	6,268,560	18.06

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 : BOB LEE

Lab No. : 0201050-001A

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

Federal ID : 5111891

Client ID. : 11397-001

Collected : 1/3/02 11:05:00 AM

Point No : 1

Received : 1/3/02 3:00:00 PM

Location : B-49 WATER TOWER

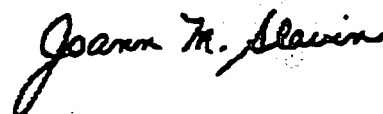
Collected By : RL99

Copies To : TONY ROSS

<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	1/3/02 3:30:00 PM
E_Coliform	Absent		Absent	M9223	1/3/02 3:30:00 PM

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

Date Reported : 2/1/02



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 : BOB LEE

Lab No. : 0201050-002A

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

Federal ID : 5111891
Collected : 1/3/02 10:45:00 AM
Received : 1/3/02 3:00:00 PM
Collected By : RL99
Copies To : TONY ROSS

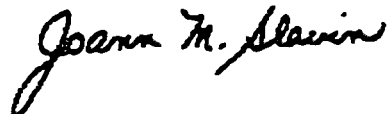
Point No : 2
Location : B-640 WATER TOWER

Client ID. : 11397-002

<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	1/3/02 3:30:00 PM
E_Coliform	Absent		Absent	M9223	1/3/02 3:30:00 PM

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

Date Reported : 2/1/02



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 : BOB LEE

Lab No. : 0201050-003A

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

Federal ID : 5111891

Client ID. : 11397-003

Collected : 1/3/02 10:40:00 AM

Point No : 3

Received : 1/3/02 3:00:00 PM

Location : B-1005 RHIC

Collected By : RL99

Copies To : TONY ROSS

<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	1/3/02 3:30:00 PM
E_Coliform	Absent		Absent	M9223	1/3/02 3:30:00 PM

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

Date Reported : 2/1/02

Joann M. Slavin

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX: (631) 420-8438 NYSDOH ID# 10478

LABORATORY RESULTS

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

Lab No. : 0201050-004A

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

Federal ID : 5111891

Client ID. : 11397-004

Collected : 1/3/02 9:00:00 AM

Point No : 4

Received : 1/3/02 3:00:00 PM

Location : B-363 APT.LAUNDRY

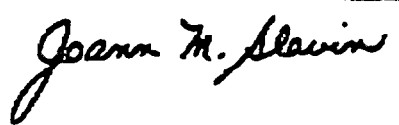
Collected By : RL99

Copies To : TONY ROSS

<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	1/3/02 3:30:00 PM
E_Coliform	Absent		Absent	M9223	1/3/02 3:30:00 PM

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

Date Reported : 2/1/02



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 : BOB LEE

Lab No. : 0201050-005A

Sample Information...

Type : Potable Water

Origin : Dist.

Routine

Federal ID 5111891

Client ID. : 11397-005

Collected : 1/3/02 12:45:00 PM

Point No : 5

Received : 1/3/02 3:00:00 PM

Location : B-930 LINAC

Collected By : RL99

Copies To : TONY ROSS

<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	1/3/02 3:30:00 PM
E_Coliform	Absent		Absent	M9223	1/3/02 3:30:00 PM

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

Date Reported : 2/1/02

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 : BOB LEE

Lab No. : 0201050-006A

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

Federal ID : 5111891

Client ID. : 11397-006

Collected : 1/3/02 12:50:00 PM

Point No : 6

Received : 1/3/02 3:00:00 PM

Location : B-490 OUTPATIENT CLINIC

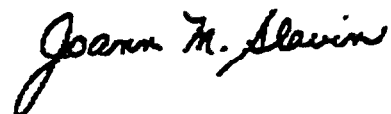
Collected By : RL99

Copies To : TONY ROSS

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M8223	1/3/02 3:30:00 PM
E_Coliform	Absent		Absent	M9223	1/3/02 3:30:00 PM

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

Date Reported : 2/1/02



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 : BOB LEE

Lab No. : 0201050-007A

Sample Information...

Type : Potable Water

Origin : Dist.

Routine

Federal ID : 5111891

Client ID. : 11397-007

Collected : 1/3/02 1:00:00 PM

Point No : 7

Received : 1/3/02 3:00:00 PM

Location : B-490 BLOCK 11

Collected By : RL99

Copies To : TONY ROSS

<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	1/3/02 3:30:00 PM
E_Coliform	Absent		Absent	M9223	1/3/02 3:30:00 PM

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

Date Reported : 2/1/02

Joann M. Alavin

ATTACHMENT II

**Brookhaven National Laboratory
Potable Water Supply**

**January 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
January 2002

Sample Location	Sample Date	pH (SU)	Temperature (Degrees F)	Conductivity (µmhos)	Alkalinity (mg/L)	Calcium (mg/L)
WTP	1/3/02	7.8	55	150	NR	NR
WTP	1/8/02	7.6	54	151	NR	NR
WTP	1/10/02	7.6	54	154	NR	NR
WTP	1/15/02	7.5	54	147	NR	NR
WTP	1/17/02	7.7	52	149	NR	NR
WTP	1/22/02	7.5	54	135	NR	NR
WTP	1/24/02	7.7	54	143	NR	NR
WTP	1/29/02	7.5	53	135	NR	NR
WTP	1/31/02	7.5	52	136	NR	NR
Well 11	1/3/02	6.8	56	178	NR	NR
Well 11	1/8/02	6.8	55	176	NR	NR
Well 11	1/10/02	6.5	55	230	NR	NR
Well 11	1/15/02	7.1	55	168	NR	NR
Well 11	1/17/02	7.1	55	152	NR	NR
Well 11	1/22/02	7.0	55	178	NR	NR
Well 11	1/24/02	7.6	55	156	NR	NR
Well 11	1/29/02	7.1	55	186	NR	NR
Well 11	1/31/02	7.1	55	181	NR	NR
Well 12	1/3/02	7.9	55	153	NR	NR
Well 12	1/8/02	7.7	55	162	NR	NR
Well 12	1/10/02	7.6	56	167	NR	NR
Well 12	1/15/02	7.2	56	152	NR	NR
Well 12	1/17/02	7.3	56	153	NR	NR
Well 12	1/22/02	7.2	56	150	NR	NR
Well 12	1/24/02	7.6	56	132	NR	NR
Well 12	1/29/02	7.4	56	173	NR	NR
Well 12	1/31/02	7.5	56	144	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.