

March 7, 2002

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

Dear Ms. Newcomer:

SUBJECT: Monthly Water Treatment Plant Reports
Reference: Suffolk County Minimum Monitoring Requirements for February 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 Operational and Bacteriological Reports for February 2002;

Attachment II: February 2002 Biweekly Water Quality Monitoring Data for BNL Well Water Samples

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 SCDHS Community Water Supply Monitoring Requirements, and the BNL Potable Water System Sampling Plan. Routine monitoring samples are collected by Plant Engineering Division (PE) personnel using standard operating procedures and analyses are performed by a contractor laboratory using standard methods of analysis. All analytical results are reviewed and validated by Laboratory staff following EPA and NYSDEC guidelines. Quality assurance documentation for analyses performed is available from the Environmental Services Division (ESD) and PE Divisions. Based on this information, we believe the values contained in these reports are representative of the BNL potable water system.

March 7, 2002

Should there be any questions regarding this report or the analytical or operational data contained herein, please call either M. Allocco of the Environmental Services Division at (631)344-3166, or W. Chaloupka of the Plant Engineering Division at (631)344-7136.

Sincerely,



Lori Cunniff, CEP
Division Manager



LEC/RJL:rt

cc: M. Allocco w/attachments
W. Chaloupka w/attachments
G. Granzen w/attachments
R. Lee w/attachments
E. Murphy w/attachments
P. Ponturo 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 February 2002**

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169 STATION 11515100 SUFFOLK COUNTY REPORTING PERIOD: FEBRUARY 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
	Treated Water	Liquid Sodium Hypochlorite		Free Cl ₂ Residual	Lime Sodium Hydroxide		
		K Gals	Gallons		Cl ₂ use per 24hrs	mg/l	
1	1,297	115+05	15	1.11	7.6	12528558	
2	0						
3	0						
4	3,576	173	27	0.68	7.5	12532134	
5	1,237	163	10	1.22	7.5	12533371	
6	1,296	152	11	0.75	7.4	12534667	
7	1,278	140	12	0.9	7.5	12535945	
8	1,092	133	7	0.52	7.6	12537037	
9	0						
10	0						
11	3,174	107	26	0.92	7.3	12540211	
12	999	100	7	1.03	7.3	12541210	
13	802	92+108	8	0.82	7.3	12542012	
14	955	190	10	0.76	7.3	12542967	
15	1,009	180	10	0.63	7.7	12543976	
16	1,119	170	10	1	7.5	12545095	
17	0						
18	0						
19	2,758	145	25	0.6	7.4	12547853	
20	952	135	10	0.93	7.6	12548805	
21	714	130	5	1.14	7.6	12549519	
22	897	120	10	0.45	7.4	12550416	
23	0						
24	0						
25	2,861	105	15	0.87	7.6	12553277	
26	1,040	100	5	1.1	7.7	12554317	
27	1,040	91	9	0.8	7.8	12555357	
28	1,092	85	6	0.6	7.7	12556449	
29	0						
30	0						
31	0						
TOT	29,188		238				
AVG.	1042.43		8.50	No. Days:	28		

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: *Va. Perry*

Date: 3-4-02

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: FEBRUARY 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						
3	0						
4	0	130	0	NR	NR	1479844	
5	0	130	0	NR	NR	1479844	
6	0	130	0	NR	NR	1479844	
7	0	130	0	NR	NR	1479844	
8	0	130	0	NR	NR	1479844	
9	0						
10	0						
11	0	130	0	NR	NR	1479844	
12	0	130	0	NR	NR	1479844	
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						
18	0						
19	0	130	0	NR	NR	1479844	
20	0	130	0	NR	NR	1479844	
21	0	130	0	NR	NR	1479844	
22	0	130	0	NR	NR	1479844	
23	0						
24	0						
25	0	130	0	NR	NR	1479844	
26	0	130	0	NR	NR	1479844	
27	0	130	0	NR	NR	1479844	
28	0	130	0	NR	NR	1479844	
29	0						
30	0						
31	0						
TOT	0		0				
AVG.	0.00		0.00	No. Days:	28		

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: *SO Kelly*

Date: 3-4-02

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: FEBRUARY

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 Cl2 Residual mg/l	Lime	Sodium Hydroxide	
		Gallons 90+80	Cl2 use per 24hrs				
1	953	150	20	0.02	5.9	283618	
2	0					284571	
3	0						
4	2,273	102	38	0.39	5.9	286844	
5	899	85	17	0.02	5.9	287743	
6	540	75	10	0.04	5.9	288283	
7	673	60+140	15	0.04	5.9	288956	
8	712	200	0	0.1	5.9	289668	
9	0						
10	0						
11	1,503	170	30	0.42	5.6	291171	
12	670	155	15	0.22	5.6	291841	
13	586	144	11	0.01	5.7	292427	
14	557	132+68	11	0.03	5.6	292984	
15	690	182	18	0.62	5.7	293674	
16	630	170	12	0.62	5.7	294304	
17	0						
18	0						
19	2,035	130	40	0.08	5.7	296339	
20	643	115	15	0.1	5.8	296982	
21	476	108+92	7	0.06	5.8	297458	
22	556	191	9	0.025	5.9	298014	
23	0						
24	0						
25	1,764	154	37	0.04	5.9	299778	
26	571	144	10	0.1	5.9	300349	
27	731	130+70	14	0.08	5.9	301080	
28	578	191	9	0.02	5.9	301658	
29	0						
30	0						
31	0						
TOT	18,040		338				
AVG.	644.29		12.07	No. Days:	28		

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: *DL Mast*

Date: 3-9-02

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: FEBRUARY 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 714393
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl ₂ Residual	Lime	Sodium Hydroxide	
		Gallons	Cl ₂ use per 24hrs	mg/l			
1	1,337	184	16	0.02	5.9	715730	
2	0						
3	0						
4	3,837	135	49	0.39	5.9	719567	
5	1,384	115	20	0.02	5.9	720951	
6	1,390	98	17	0.04	5.9	722341	
7	1,381	80+120	18	0.04	5.9	723722	
8	1,277	190	10	0.1	5.9	724999	
9	0						
10	0						
11	3,240	150	40	0.42	5.6	728239	
12	1,085	137	13	0.22	5.6	729324	
13	809	125	12	0.01	5.7	730133	
14	1,012	112+88	13	0.03	5.6	731145	
15	1,086	182	18	0.62	5.7	732231	
16	1,228	170	12	0.62	5.7	733459	
17	0						
18	0						
19	2,802	130	40	0.08	5.7	736261	
20	1,158	112	18	0.1	5.8	737419	
21	809	102+98	10	0.06	5.8	738228	
22	890	188	12	0.25	5.9	739118	
23	0						
24	0						
25	3,119	142	46	0.04	5.9	742237	
26	1,138	128	14	0.1	5.9	743375	
27	1,136	110+90	18	0.08	5.9	744511	
28	1,206	183	17	0.02	5.9	745717	
29	0						
30	0						
31	0						
TOT	31,324		413				
AVG.	1118.71		14.75	No. Days:	28		

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.R. Papp

Date: 3-4-02

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: FEBRUARY 2002
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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 764327
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide		
		Gallons	Cl2 use per 24hrs				
1	0	58	0	NR	NR	764327	
2	0						
3	0						
4	0	58	0	NR	NR	764327	
5	0	58	0	NR	NR	764327	
6	0	58	0	NR	NR	764327	
7	0	58	0	NR	NR	764327	
8	0	58	0	NR	NR	764327	
9	0						
10	0						
11	0	58	0	NR	NR	764327	
12	0	58	0	NR	NR	764327	
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						
18	0						
19	0	58	0	NR	NR	764327	
20	0	58	0	NR	NR	764327	
21	0	58	0	NR	NR	764327	
22	0	58	0	NR	NR	764327	
23	0						
24	0						
25	0	58	0	NR	NR	764327	
26	0	58	0	NR	NR	764327	
27	0	58	0	NR	NR	764327	
28	0	58	0	NR	NR	764327	
29	0						
30	0						
31	0						
TOT	0		0				
AVG.	0.00		0.00	No. Days:	28		

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: 3-4-02

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: FEBRUARY 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		
		Gallons	Cl2 use per 24hrs		Sodium Hydroxide		
1	0	180	0	0.6	7.1	391031	
2	0						
3	0						
4	3	180	0	NR	NR	391034	
5	0	180	0	0.3	7.5	391034	
6	14	180	0	0.39	7.1	391048	
7	4	180	0	0.3	7	391052	
8	1	180	0	0.27	7.4	391053	
9	0						
10	0						
11	0	180	0	0.21	7.7	391053	
12	1	180	0	0.3	7.4	391054	
13	103	180	0	0.43	7.4	391157	
14	0	180	0	0.42	7.2	391157	
15	60	180	0	0.23	7.1	391217	
16	44	180	0	NR	NR	391261	
17	0						
18	0						
19	135	180	0	0.14	7.1	391396	
20	47	180	0	NR	NR	391443	
21	173	180	0	0.12	6.6	391616	
22	163	171	9	0.15	7	391779	
23	0						
24	0						
25	38	171	0	0.24	7	391817	
26	1	170	1	0.25	6.9	391818	
27	2	170	0	0.23	7.5	391820	
28	1	170	0	NR	NR	391821	
29	0						
30	0						
31	0						
TOT	790		10				
AVG.	28.21		0.36	No. Days:	28		

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: *JR Beck*

Date: 3-4-02

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: FEBRUARY 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 Cl2 Residual mg/l	Lime Sodium Hydroxide	Totalizer	
		Gallons	Cl2 use per 24hrs				
1	0	170	2	0.45	7.5	450734	
2	0						
3	0						
4	9	170	0	NR	NR	450743	
5	0	170	0	0.58	7.3	450743	
6	3	170	0	0.48	7.3	450746	
7	26	170	0	0.5	7.4	450772	
8	102	170	0	0.3	7.3	450874	
9	0						
10	0						
11	0	170	0	0.33	7.7	450874	
12	2	170	0	0.56	7.3	450876	
13	74	167	3	0.75	7.4	450950	
14	0	167	0	0.73	7.2	450950	
15	3	167	0	0.56	7.2	450953	
16	0	167	0	0.56	7.2	450953	
17	0						
18	0						
19	0	167	0	0.17	7.4	450953	
20	6	167	0	NR	NR	450959	
21	76	167	0	0.27	7	451035	
22	2	167	0	0.23	7	451037	
23	0						
24	0						
25	1	163	4	0.2	7.1	451038	
26	12	163	0	0.2	6.8	451050	
27	3	163	0	0.22	7	451053	
28	0	163	0	NR	NR	451053	
29	0						
30	0						
31	0						
TOT	319		9				
AVG.	11.39		0.32	No. Days:	28		

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&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: *L. J. ...*

Date: 3-4-02

Title: Water Systems Supervisor

Certification No. NY0031941

2/28/02
Pump Data

MONTHLY GALLONAGE REPORT
2002 feb

Date	Well 4	Well 6	Well 7	Well10	Well11	Well12	Daily Total
1	0	953	1,337	0	0	0	2,290
2	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0
4	0	2,273	3,837	0	3	9	6,122
5	0	899	1,384	0	0	0	2,283
6	0	540	1,390	0	14	3	1,947
7	0	673	1,381	0	4	26	2,084
8	0	712	1,277	0	1	102	2,092
9	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0
11	0	1,503	3,240	0	0	0	4,743
12	0	670	1,085	0	1	2	1,758
13	0	586	809	0	103	74	1,572
14	0	557	1,012	0	0	0	1,569
15	0	690	1,086	0	60	3	1,839
16	0	630	1,228	0	44	0	1,902
17	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0
19	0	2,035	2,802	0	135	0	4,972
20	0	643	1,158	0	47	6	1,854
21	0	476	809	0	173	76	1,534
22	0	556	890	0	163	2	1,611
23	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0
25	0	1,764	3,119	0	38	1	4,922
26	0	571	1,138	0	1	12	1,722
27	0	731	1,136	0	2	3	1,872
28	0	578	1,206	0	1	0	1,785
29	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0
Total	0	18,040	31,324	0	790	319	50,473
		Totalizer	Totalizer			Total(x1,000)	
		This Month	Last Month			Gallons	
	Well 4	1,479,844	1,479,844			0	
	Well 6	301,658	283,618			18,040	
	Well 7	745,717	714,393			31,324	
	Well 10	764,327	764,327			0	
	Well 11	391,821	391,031			790	
	Well 12	451,053	450,734			319	
AGS Water Supply Meter		347,676	345,631			2045.00	
Medical Reactor - Well 105		0	0			0.00	
Biology Building - Well 9		6,300,410	6,286,620			13.79	

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 : TONY ROSS

Lab No. : 0202197-001A

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

Federal ID : 5111891

Client ID. : 11400-001

Collected : 2/7/02 10:55:00 AM

Point No : 094-273

Received : 2/7/02 3:08:00 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	2/7/02 4:15:00 PM
E_Coliform	Absent		Absent	M9223	2/7/02 4:15:00 PM
Total Residual Chlorine	0.5	mg/L		M4500-CI G	2/7/02

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

Date Reported : 2/12/02

Joann M. Slavin

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 : TONY ROSS

Lab No. : 0202197-002A

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

Federal ID : 5111891
Collected : 2/7/02 9:20:00 AM
Received : 2/7/02 3:08:00 PM
Collected By : PP99
Copies To : BOB LEE

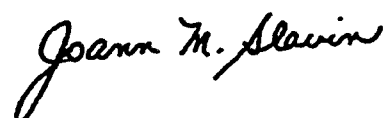
Client ID. : 11400-002

Point No : 076-408
Location : B-640 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	2/7/02 4:15:00 PM
E_Coliform	Absent		Absent	M9223	2/7/02 4:15:00 PM
Total Residual Chlorine	0.6	mg/L		M4500-CI G	2/7/02

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

Date Reported : 2/12/02



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

Lab No. : 0202197-003A

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

Attn To : TONY ROSS

Client ID. : 11400-003

Federal ID 5111891

Collected : 2/7/02 9:05:00 AM

Point No : 045-12

Received : 2/7/02 3:08:00 PM

Location : B-1005 RHIC

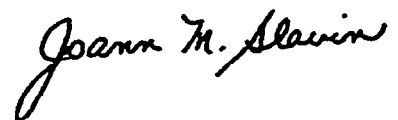
Collected By : PP99

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	2/7/02 4:15:00 PM
E_Coliform	Absent		Absent	M9223	2/7/02 4:15:00 PM
Total Residual Chlorine	0.4	mg/L		M4500-C1 G	2/7/02

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

Date Reported : 2/12/02



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 : TONY ROSS

Lab No. : 0202197-004A

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

Federal ID 5111891
Collected : 2/7/02 10:20:00 AM
Received : 2/7/02 3:08:00 PM
Collected By : PP99
Copies To : BOB LEE

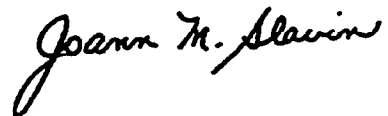
Client ID. : 11400-004

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	2/7/02 4:15:00 PM
E_Coliform	Absent		Absent	M9223	2/7/02 4:15:00 PM
Total Residual Chlorine	0.3	mg/L		M4500-CI G	2/7/02

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

Date Reported : 2/12/02



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 : TONY ROSS

Lab No. : 0202197-005A

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

Federal ID 5111891
Collected : 2/7/02 11:00:00 AM
Received : 2/7/02 3:08:00 PM
Collected By : PP99
Copies To : BOB LEE

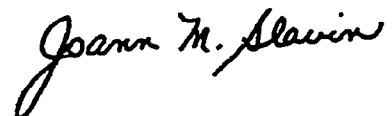
Client ID. : 11400-005

Point No : 075-602
Location : B-725 NSLS

<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	2/7/02 4:15:00 PM
E_Coliform	Absent		Absent	M9223	2/7/02 4:15:00 PM
Total Residual Chlorine	0.5	mg/L		M4500-Cl G	2/7/02

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

Date Reported : 2/12/02



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 : TONY ROSS

Lab No. : 0202197-006A

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

Federal ID : 5111891
Collected : 2/7/02 11:25:00 AM
Received : 2/7/02 3:08:00 PM
Collected By : PP99
Copies To : BOB LEE

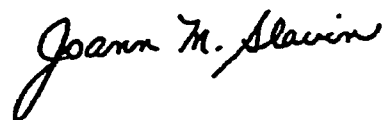
Client ID. : 11400-006

Point No : 084-69
Location : B-490 BLOCK 1 AFC

<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	2/7/02 4:15:00 PM
E_Coliform	Absent		Absent	M9223	2/7/02 4:15:00 PM
Total Residual Chlorine	0.4	mg/L		M4500-Cl G	2/7/02

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

Date Reported : 2/12/02



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 : TONY ROSS

Lab No. : 0202197-007A

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

Federal ID 5111891

Client ID. : 11400-007

Collected : 2/7/02 11:20:00 AM

Point No : 084-68

Received : 2/7/02 3:08:00 PM

Location : B-490 BLOCK 4 MRC

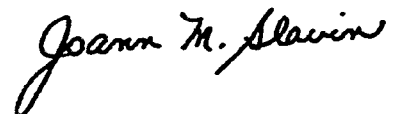
Collected By : PP99

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	2/7/02 4:15:00 PM
E_Coliform	Absent		Absent	M9223	2/7/02 4:15:00 PM
Total Residual Chlorine	0.5	mg/L		M4500-CI G	2/7/02

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

Date Reported : 2/12/02



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 : TONY ROSS

Lab No. : 0202197-008A

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

Federal ID : 5111891
Collected : 2/7/02 9:20:00 AM
Received : 2/7/02 3:08:00 PM
Collected By : PP99
Copies To : BOB LEE

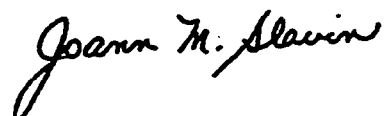
Client ID. : 11400-008

Point No : 1
Location : DUPLICATE

<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	2/7/02 4:15:00 PM
E_Coliform	Absent		Absent	M9223	2/7/02 4:15:00 PM
Total Residual Chlorine	0.6	mg/L		M4500-Cl G	2/7/02

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

Date Reported : 2/12/02



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

Sample Location	Sample Date	pH	Temp. Degree F	Conductivity	Alkalinity	Calcium
Water Treatment Plant	2/5/02	7.5	51	155 umhos	NR	NR
Water Treatment Plant	2/7/02	7.5	52	136 umhos	NR	NR
Water Treatment Plant	2/12/02	7.3	52	149 umhos	NR	NR
Water Treatment Plant	2/14/02	7.3	52	147 umhos	NR	NR
Water Treatment Plant	2/19/02	7.4	53	142 umhos	NR	NR
Water Treatment Plant	2/21/02	7.6	55	149 umhos	NR	NR
Water Treatment Plant	2/26/02	7.7	54	156 umhos	NR	NR
Water Treatment Plant	2/28/02	7.6	53	141 umhos	NR	NR
Well 11	2/5/02	7.5	54	191 umhos	NR	NR
Well 11	2/7/02	7.0	55	187 umhos	NR	NR
Well 11	2/12/02	7.4	55	140 umhos	NR	NR
Well 11	2/14/02	7.2	55	166 umhos	NR	NR
Well 11	2/19/02	7.1	55	158 umhos	NR	NR
Well 11	2/21/02	6.6	55	176 umhos	NR	NR
Well 11	2/26/02	6.9	55	178 umhos	NR	NR
Well 11	2/28/02	7.5	55	157 umhos	NR	NR
Well 12	2/5/02	7.3	55	211 umhos	NR	NR
Well 12	2/7/02	7.4	56	195 umhos	NR	NR
Well 12	2/12/02	7.3	55	152 umhos	NR	NR
Well 12	2/14/02	7.2	55	148 umhos	NR	NR
Well 12	2/19/02	7.4	56	148 umhos	NR	NR
Well 12	2/21/02	7.0	56	156 umhos	NR	NR
Well 12	2/26/02	6.8	56	166 umhos	NR	NR
Well 12	2/28/02	7.2	56	151 umhos	NR	NR

NR - Analysis Not Required or Not Reported

WTP: Water Treatment Plant

Note: 1. Field parameters are only conducted for facilities that are in operation on the day of measurement