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for the U.S. Department of Energy

April 8, 2003

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 March 2003

In accordance with the requirements of the BNL Potable Water System Sampling Plan and the 2003 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 March.
- Attachment II: March 2003 Biweekly Water Quality Monitoring Data for the BNL Potable Water Wells and the 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.



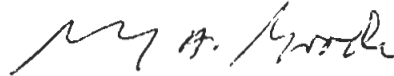
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Should there be any questions regarding this report or the analytical or operational data contained herein, please call either R. Lee at (631) 344-3148, M. Allocco at (631) 344-3166, or W. Chaloupka at (631) 344-7136.

Sincerely,



George A. Goode
Environmental & Waste Management Services
Division Manager

GAG/MA:car

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

File: EC61ER.03

ATTACHMENT I

**Brookhaven National Laboratory
Potable Water Supply**

**Monthly Operational and Bacteriological Reports for March 2003
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: MARCH 2003
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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 Cl ₂ Residual	Lime	Sodium Hydroxide	Totalizer	
	K. Gals	Gallons	Cl ₂ use per 24hrs	mg/l			
1	0						
2	0						
3	2.815	169	20	0.86	7.4	12801204	
4	589	162	6	0.96	7.4	12801793	
5	941	153	9	1	7.7	12802734	
6	1.061	142	11	0.66	7.7	12803795	
7	1.042	135+65	7	1	7.2	12804837	
8	0						
9	0						
10	3.108	170	30	0.95	7.5	12807945	
11	1.068	160	10	1.29	7.3	12809013	
12	1.049	150	10	1	7.6	12810062	
13	1.057	140	10	0.76	7.5	12811119	
14	1.052	130+70	10	0.76	7.4	12812171	
15	0						
16	0						
17	3.162	180	20	0.93	7.5	12815333	
18	1.028	169	11	0.83	7.5	12816361	
19	1.058	158	11	0.52	7.4	12817419	
20	943	149+51	9	0.66	7.6	12818362	
21	1.024	190	10	0.85	7.5	12819396	
22	0						
23	0						
24	3.210	160	30	1.2	7.3	12822596	
25	1.060	150	10	0.46	7.2	12823656	
26	1.086	140	10	1.1	7.2	12824742	
27	1.073	130	10	0.99	7.3	12825815	
28	1.061	120+80	10	1.2	7.3	12826876	
29	0						
30	0						
31	2.525	190	10	1.2	7.3	12829401	
TOT	31,012		364				
AVG	1000.39		8.52	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: *J. A. Row*

Date: 4-2-03

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:

MARCH

2003

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
	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						
2	0						
3	1,138	88+62	23	0.76	6.3	1541353	
4	234	144	6	0.62	6.3	1541587	
5	343	135	9	0.74	6.1	1541930	
6	520	123	12	0.66	6.1	1542450	
7	507	117+33	6	0.7	6.1	1542957	
8	0						
9	0						
10	1,548	114	36	0.17	6.2	1544505	
11	577	105	9	0.64	6	1545082	
12	400	96+54	9	0.39	6	1545482	
13	569	138	12	0.43	5.9	1546051	
14	607	126+24	12	0.41	6	1546658	
15	0						
16	0						
17	1,622	114	36	0.37	6.2	1548280	
18	476	105	9	0.42	6.2	1548756	
19	373	99	6	0.32	6.1	1549129	
20	403	93+57	6	0.3	6.2	1549532	
21	300	144	6	0.32	6.1	1549832	
22	0						
23	0						
24	1,582	114	30	0.22	6	1551414	
25	504	105	9	0.63	6.2	1551918	
26	520	93	12	0.55	6.1	1552438	
27	516	84	9	0.56	6.1	1552954	
28	553	75+54	9	0.75	6	1553507	
29	0						
30	0						
31	858	114	15	0.02	6.1	1554365	
TOT	14,150		251				
AVG	456.45		8.06	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: M. Rossi

Date: 4-2-03

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: MARCH 2003
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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 368599
	Treated Water Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide		
		Gallons	Cl2 use per 24hrs				
1	0						
2	0						
3	225	123	6	0.76	6.3	368524	
4	151	117	6	0.62	6.3	368975	
5	47	115	2	0.74	6.1	369022	
6	136	111	3	0.66	6.1	369158	
7	222	108+42	3	0.7	6.1	369380	
8	0						
9	0						
10	347	132	18	0.17	6.2	369727	
11	232	129	3	0.64	6	369959	
12	1	129	0	0.39	6	369960	
13	181	123	6	0.43	5.9	370141	
14	229	120+30	3	0.41	6	370370	
15	0						
16	0						
17	456	135	15	0.37	6.2	370826	
18	0	135	0	0.42	6.2	370826	
19	1	135	0	0.32	6.1	370827	
20	138	132	3	0.3	6.2	370965	
21	36	129	3	0.32	6.1	371001	
22	0						
23	0						
24	276	123	6	0.22	6	371277	
25	0	123	0	0.63	6.2	371277	
26	160	120	3	0.55	6.1	371437	
27	84	119	2	0.56	6.1	371521	
28	146	115	4	0.75	6	371667	
29	0						
30	0						
31	142	111	4	0.02	6.1	371809	
TOT	3,210		90				
AVG	103.55		2.90	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. O. ROBY
 Title: Water Systems Supervisor

Date: 4-2-03
 Certification No. NY0031941

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169

STATION 11515100

SUFFOLK COUNTY

REPORTING PERIOD:

MARCH 2003

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	Lime	Totalizer	
		Gallons	Cl ₂ use per 24hrs	Residual mg/l	Sodium Hydroxide		
1	0	120					1024163
2	0						
3	3,221	67+83	53	0.76	6.3		1027384
4	773	132	18	0.62	6.3		1028157
5	1,008	117	15	0.74	6.1		1029165
6	1,157	96	21	0.66	6.1		1030322
7	1,217	78+72	18	0.7	6.1		1031539
8	0						
9	0						
10	3,421	90	60	0.17	6.2		1034960
11	1,129	72	18	0.64	6		1036089
12	1,298	54+96	18	0.39	6		1037387
13	1,120	129	21	0.43	5.9		1038507
14	1,187	111+39	18	0.41	6		1039694
15	0						
16	0						
17	3,478	90	60	0.37	6.2		1043172
18	1,177	72+78	18	0.42	6.2		1044349
19	1,204	135	15	0.32	6.1		1045553
20	1,141	114+36	19	0.3	6.2		1046694
21	1,286	135	15	0.32	6.1		1047980
22	0						
23	0						
24	3,536	81	54	0.22	6		1051516
25	1,286	60	21	0.63	6.2		1052802
26	1,145	39+57	21	0.55	6.1		1053947
27	1,219	81	15	0.56	6.1		1055166
28	1,127	63+87	18	0.75	6		1056293
29	0						
30	0						
31	2,999	120	30	0.02	6.1		1059292
TOT	35,129		546				
AVG	1133.19		17.61	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.

Two or more positive total coliform samples for systems collecting 40 or more samples (routine, repeat or turb) 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: Ed Ross

Date: 4-2-03

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: MARCH 2003
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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 764819
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide	Totalizer	
		Gallons	Cl2 use per 24hrs				
1	0						
2	0						
3	0	39	0	NR	NR	764819	
4	0	39	0	NR	NR	764819	
5	0	39	0	NR	NR	764819	
6	0	39	0	NR	NR	764819	
7	0	39	0	NR	NR	764819	
8	0						
9	0						
10	0	39	0	NR	NR	764819	
11	0	39	0	NR	NR	764819	
12	0	39	0	NR	NR	764819	
13	0	39	0	NR	NR	764819	
14	0	39	0	NR	NR	764819	
15	0						
16	0						
17	0	39	0	NR	NR	764819	
18	0	39	0	NR	NR	764819	
19	0	39	0	NR	NR	764819	
20	0	39	0	NR	NR	764819	
21	0	39	0	NR	NR	764819	
22	0						
23	0						
24	0	39	0	NR	NR	764819	
25	0	39	0	NR	NR	764819	
26	0	39	0	NR	NR	764819	
27	0	39	0	NR	NR	764819	
28	0	39	0	NR	NR	764819	
29	0						
30	0						
31	0	39	0	NR	NR	764819	
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 turbid) 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. J. J. J.

Date: 4-2-03

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:

MARCH 2003

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 476167
	Treated Water r. Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide		
		Gallons	Cl2 use per 24hrs				
1	0						
2	0						
3	18	150	0	0.73	7.4	476195	
4	874	138	12	0.4	7.4	477059	
5	339	132	6	0.25	7	477398	
6	399	129	3	0.3	6.8	477797	
7	1	129+21	0	0.25	6.8	477798	
8	0						
9	0						
10	35	150	0	0.54	6.6	477833	
11	2	150	0	0.11	6.6	477835	
12	5	150	3	0.65	6.7	477840	
13	5	150	0	0.1	6.1	477845	
14	1	150	0	NR	NR	477846	
15	0						
16	0						
17	0	150	0	1.2	6.6	477846	
18	326	150	0	0.93	7.6	478172	
19	2	150	0	NR	NR	478174	
20	10S	144	0	1.45	7.8	478292	
21	111	141	3	NR	NR	478393	
22	0						
23	0						
24	0	141	0	NR	NR	478393	
25	59	141	0	0.54	7.8	478452	
26	2	141	0	NR	NR	478454	
27	0	141	0	0.68	7.3	478454	
28	1	141	0	NR	NR	478455	
29	0						
30	0						
31	197	139	2	0.9	7.1	478652	
TOT	2435		29				
AVG	50.16		0.94	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 lower 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 turb) 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. A. Hall

Date: 4-2-03

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: MARCH 2003

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	Lime Sodium Hydroxide	
		Gallons	Cl2 use per 24hrs	mg/l		
1	0					
2	0					
3	1	102+36	3	0.53	6.8	607891
4	2	138	0	0.93	6.8	607893
5	2	138	0	0.47	6.8	607895
6	3	138	0	0.2	6.3	607898
7	1	138+12	0	0.58	6.9	607899
8	0					
9	0					
10	15	138	12	0.62	6.9	607914
11	0	138	0	0.59	6.8	607914
12	190	138	0	0.67	7	608104
13	223	135	3	0.72	6.7	608327
14	697	135	0	0.4	6.7	609024
15	0					
16	0					
17	2,354	111	24	0.92	6.5	611378
18	811	102	9	2.19	8	612189
19	872	93	9	NR	NR	613061
20	987	84	9	0.88	8.8	614048
21	530	78	6	NR	NR	614578
22	0					
23	0					
24	2,922	48	30	NR	NR	617500
25	235	42	6	0.69	8.3	617735
26	679	39+102	3	0.57	8.4	618414
27	734	135	6	0.79	8.6	619148
28	638	129	6	0.86	8	619786
29	0					
30	0					
31	3,165	102	27	1.2	7.3	622951
TOT	15,061		153			
AVG	485.84		4.94	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: JL Roca

Date: 4-2-03

Title: Water Systems Supervisor

Certification No. NY0031941

3/31/03
Pump Data

MONTHLY GALLONAGE REPORT
MARCH 2003.xls

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	0	0	0
3	1,138	225	3,221	0	18	1	4,603
4	234	151	773	0	874	2	2,034
5	343	47	1,008	0	339	2	1,739
6	520	136	1,157	0	399	3	2,215
7	507	222	1,217	0	1	1	1,948
8	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0
10	1,548	347	3,421	0	35	15	5,366
11	577	232	1,129	0	2	0	1,940
12	400	1	1,298	0	5	190	1,894
13	569	181	1,120	0	5	223	2,098
14	607	229	1,187	0	1	697	2,721
15	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0
17	1,622	456	3,478	0	0	2,354	7,910
18	476	0	1,177	0	326	811	2,790
19	373	1	1,204	0	2	872	2,452
20	403	138	1,141	0	108	987	2,777
21	300	36	1,286	0	111	530	2,263
22	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0
24	1,582	276	3,536	0	0	2,922	8,316
25	504	0	1,286	0	59	235	2,084
26	520	160	1,145	0	2	679	2,506
27	516	84	1,219	0	0	734	2,553
28	553	146	1,127	0	1	638	2,465
29	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0
31	858	142	2,999	0	197	3,165	7,361
Total	14,150	3,210	35,129	0	2,485	15,061	70,035
			Totalizer This Month		Totalizer Last Month		Total(x1,000) Gallons
	Well 4		1,554,365		1,540,215		14,150
	Well 6		371,809		368,599		3,210
	Well 7		1,059,292		1,024,163		35,129
	Well 10		764,819		764,819		0
	Well 11		478,652		476,167		2,485
	Well 12		622,951		607,890		15,061
AGS Water Supply Meter			447,062		429,364		17698.00
Medical Reactor - Well 105					0		0.00
Biology Building - Well 9			6,740,360		6,735,900		4.46

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. : 0303175-003A

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

Federal ID 5111891

Client ID. : 16026-003

Collected : 3/6/03 11:00:00 AM

Point No : 045-12

Received : 3/7/03 3:55:00 PM

Location : B-1005 Rhic

Collected By : CLIENT

Copy : 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	3/7/03 4:15:00 PM
E_Coliform	Absent		Absent	M9223	3/7/03 4:15:00 PM
Total Residual Chlorine	1.0	mg/L		M4500-Cl G	3/6/03

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

Date Reported : 3/14/03

Joann M. Slavin

WJ 3/24/03

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 : Bob Lee

Lab No. : 0303175-005A

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

Federal ID 5111891

Client ID. : 16026-005

Collected : 3/6/03 10:40:00 AM

Point No : 054-187

Received : 3/7/03 3:55:00 PM

Location : B-930 Linac

Collected By : CLIENT

Copy : 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	3/7/03 4:15:00 PM
E_Coliform	Absent		Absent	M9223	3/7/03 4:15:00 PM
Total Residual Chlorine	1.3	mg/L		M4500-CI G	3/6/03

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

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

Date Reported : 3/14/03

Joann M. Slavina

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 : Bob Lee

Lab No. : 0303175-006A

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

Federal ID 5111891

Client ID. : 16026-006

Collected : 3/6/03 11:10:00 AM

Point No : 084-70

Received : 3/7/03 3:55:00 PM

Location : B-490 Outpatient Clinic

Collected By : CLIENT

Copy : 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	3/7/03 4:15:00 PM
E_Coliform	Absent		Absent	M9223	3/7/03 4:15:00 PM
Total Residual Chlorine	1.1	mg/L		M4500-Cl G	3/6/03

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

Date Reported : 3/14/03

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 : Bob Lee

Lab No. : 0303175-007A

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

Federal ID 5111891

Client ID. : 16026-007

Collected : 3/6/03 11:25:00 AM

Point No : 084-67

Received : 3/7/03 3:55:00 PM

Location : B-490 Block 11

Collected By : CLIENT

Copy : 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	3/7/03 4:15:00 PM
E_Coliform	Absent		Absent	M9223	3/7/03 4:15:00 PM
Total Residual Chlorine	0.4	mg/L		M4500-Cl G	3/6/03

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

Date Reported : 3/14/03

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 : Bob Lee

Lab No. : 0303325-001A

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

Federal ID : 5111891

Client ID. : 16031-001

Collected : 3/12/03 8:50:00 AM

Point No : 094-273

Received : 3/12/03 3:45:00 PM

Location : B-49 Water Tower

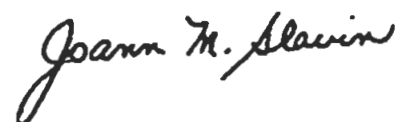
Collected By : CLIENT

Copy : 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	3/12/03 5:15:00 PM
E_Coliform	Absent		Absent	M9223	3/12/03 5:15:00 PM
Total Residual Chlorine	1.1	mg/L		M4500-Cl G	3/12/03

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

Date Reported : 3/14/03



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 : Bob Lee

Federal ID 5111891

Collected : 3/12/03 9:05:00 AM

Received : 3/12/03 3:45:00 PM

Collected By : CLIENT

Copy : Tony Ross

Lab No. : 0303325-003A

Client ID. : 16031-003

Sample Information...

Type : Potable Water

Origin : Dist.

Routine

Point No : 076-408

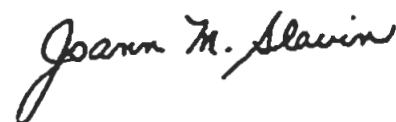
Location : B-640 Water Tower

<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	3/12/03 5:15:00 PM
E_Coliform	Absent		Absent	M9223	3/12/03 5:15:00 PM
Total Residual Chlorine	1.1	mg/L		M4500-Cl G	3/12/03

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

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

Date Reported : 3/14/03



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 : Bob Lee

Lab No. : 0303325-004A

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

Federal ID 5111891

Client ID. : 16031-004

Collected : 3/12/03 8:40:00 AM

Point No : 109-19

Received : 3/12/03 3:45:00 PM

Location : B-363 Apt.Laundry

Collected By : CLIENT

Copy : 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	3/12/03 5:15:00 PM
E_Coliform	Absent		Absent	M9223	3/12/03 5:15:00 PM
Total Residual Chlorine	0.8	mg/L		M4500-Cl G	3/12/03

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

Date Reported : 3/14/03

Joann M. Slavin

Laboratory Manager

ATTACHMENT II

**Brookhaven National Laboratory
Potable Water Supply**

**March 2003 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
March 2003

Sample Location	Sample Date	pH (SU)	Temperature (Degrees F)	Conductivity (µmhos)	Alkalinity (mg/L)	Calcium (mg/L)
WTP	3/4/03	7.4	51	205	NR	NR
WTP	3/6/03	7.7	54	160	NR	NR
WTP	3/11/03	7.3	52	246	NR	NR
WTP	3/13/03	7.5	53	201	NR	NR
WTP	3/18/03	7.5	53	190	NR	NR
WTP	3/20/03	7.6	53	157	NR	NR
WTP	3/25/03	7.2	55	225	NR	NR
WTP	3/27/03	7.3	53	225	NR	NR
Well 11	3/4/03	7.4	56	189	NR	NR
Well 11	3/6/03	6.8	56	224	NR	NR
Well 11	3/11/03	6.6	55	141	NR	NR
Well 11	3/13/03	6.1	55	174	NR	NR
Well 11	3/18/03	7.6	55	236	NR	NR
Well 11	3/20/03	7.8	55	179	NR	NR
Well 11	3/25/03	7.8	55	215	NR	NR
Well 11	3/27/03	7.3	55	178	NR	NR
Well 12	3/4/03	6.8	56	192	NR	NR
Well 12	3/6/03	6.3	56	168	NR	NR
Well 12	3/11/03	6.8	55	202	NR	NR
Well 12	3/13/03	6.7	56	236	NR	NR
Well 12	3/18/03	8.0	55	155	NR	NR
Well 12	3/20/03	8.8	55	188	NR	NR
Well 12	3/25/03	8.3	55	285	NR	NR
Well 12	3/27/03	8.6	55	212	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.