

BROOKHAVEN
NATIONAL LABORATORY

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for the U.S. Department of Energy

February 4, 2004

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

Dear Ms. Kathleen Newcomer:

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

In accordance with the requirements of the BNL Potable Water System Sampling Plan and the 2004 SCDHS Minimum Monitoring Requirements for the BNL Potable Water Supply, included please find the following attachments for your records:

- Attachment I: BNL Potable Water Monthly Operational Data and Bacteriological Analyses for January.
- Attachment II: January 2004 Biweekly Water Quality Monitoring Data for 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 and Waste Management Services Division and Plant Engineering Divisions. Based on this information, we believe the values contained in these reports are representative of the BNL potable water system.



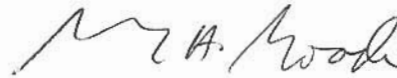
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is accredited by the American
National Standards Institute
Registrar Accreditation Board

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

Sincerely,



George A. Goode
Environmental & Waste Management Services
Division Manager

GAG/MA:car

Attachments: As noted

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

File: EC61ER.04

ATTACHMENT I

Brookhaven National Laboratory

Potable Water Supply

Monthly Operational Data and Bacteriological Analyses for January 2004

for the BNL Potable Water System

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169

STATION 11515100

SUFFOLK COUNTY

REPORTING PERIOD: **JANUARY 2004**

LOCATION: **Water Treatment Facility**

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

Source: Ground Water

Does the system have a chlorination waiver? YES NO

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer 13078047
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide		
		Gallons	Cl2 use per 24hrs				
1	0						
2	1,586	132	25	0.82	7.6	13079633	
3	0						
4	0						
5	2,695	90	42	0.87	7.6	13082328	
6	879	80	10	0.64	7.4	13083207	
7	969	70	10	0.55	7.6	13084176	
8	850	46	24	1	7.7	13085026	
9	696	30+170	16	0.74	7.6	13085722	
10	0						
11	0						
12	2,430	177	23	0.79	7.4	13088152	
13	852	150	12	0.72	7.4	13089004	
14	844	140	10	0.82	7.5	13089848	
15	829	127	13	0.69	7.4	13090677	
16	790	112+88	15	0.75	7.3	13091467	
17	0						
18	0						
19	2,254	180	20	0.31	7.3	13093721	
20	823	170	10	0.78	7.3	13094544	
21	835	160	10	0.64	7.3	13095379	
22	755	150	10	0.75	7.3	13096134	
23	847	140	10	0.59	7.3	13096981	
24	0						
25	0						
26	2,164	120	20	0.5	7.3	13099145	
27	884	115	5	0.46	7.3	13100029	
28	934	100	15	0.8	7.6	13100963	
29	787	90	10	1	7.6	13101750	
30	792	80	10	0.95	7.4	13102542	
31	0						
TOT	24,495		320				
AVG.	790.16		10.32	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: *J. P. Ross*

Date: 2-3-04

Title: Water Systems Supervisor

Certification No. NY0031941

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169 STATION 11515100 SUFFOLK COUNTY REPORTING PERIOD: **JANUARY 2004**

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 1648337
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide		
		Gallons	Cl2 use per 24hrs				
1	0						
2	0	123	0	0.27	6.2	1648337	
3	0						
4	0						
5	0	123	0	NR	NR	1648337	
6	0	123	0	NR	NR	1648337	
7	0	123	0	NR	NR	1648337	
8	0	123	0	NR	NR	1648337	
9	0	123	0	NR	NR	1648337	
10	0						
11	0						
12	0	123	0	NR	NR	1648337	
13	0	123	0	NR	NR	1648337	
14	0	123	0	NR	NR	1648337	
15	0	123	0	NR	NR	1648337	
16	0	123	0	NR	NR	1648337	
17	0						
18	0						
19	0	123	0	NR	NR	1648337	
20	0	123	0	NR	NR	1648337	
21	0	123	0	NR	NR	1648337	
22	0	123	0	NR	NR	1648337	
23	0	123	0	NR	NR	1648337	
24	0						
25	0						
26	0	123	0	NR	NR	1648337	
27	0	123	0	NR	NR	1648337	
28	0	123	0	NR	NR	1648337	
29	0	123	0	NR	NR	1648337	
30	0	123	0	NR	NR	1648337	
31	0						
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: *[Signature]*

Date: 2-3-04

Title: Water Systems Supervisor

Certification No. NY0031941

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

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

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

Source: Ground Water

Does the system have a chlorination waiver? YES NO

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer
	Treated Water	Liquid Sodium Hypochlorite		Free Cl ₂ Residual	Lime Sodium Hydroxide	419758	
	K Gals	Gallons	Cl ₂ use per 24hrs	mg/l			
1	0						
2	770	69+81	24	0.27	6.2	420528	
3	0						
4	0						
5	1,231	111	39	0.35	6	421759	
6	465	96	15	0.19	6.1	422224	
7	482	84	12	0.18	6	422706	
8	264	78	6	0.38	6	422970	
9	332	69+32	9	0.24	6	423302	
10	0						
11	0						
12	1,219	81	20	0.1	6.1	424521	
13	403	75	6	0.2	6.1	424924	
14	255	69	6	0.23	6.1	425179	
15	390	57	12	0.15	6.1	425569	
16	514	43+77	14	0.05	6	426083	
17	0						
18	0						
19	1,025	84	36	0.31	6	427108	
20	394	72	12	0.24	6.3	427502	
21	459	57	15	0.44	6.1	427961	
22	429	48	9	0.75	6.1	428390	
23	388	40+80	8	0.43	6.1	428778	
24	0						
25	0						
26	1,322	87	33	0.48	6.1	430100	
27	480	72	15	0.4	6.1	430580	
28	497	65	7	0.44	6.1	431077	
29	384	51	14	0.34	6.1	431461	
30	257	36	15	0.43	6.1	431718	
31	0						
TOT	11,960		327				
AVG.	385.81		10.55	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: *[Signature]*

Date: 2-3-04

Title: Water Systems Supervisor

Certification No. NY0031941

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169

STATION 11515100

SUFFOLK COUNTY

REPORTING PERIOD: **JANUARY 2004**

LOCATION: **WELL NO. 7**

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

Source: Ground Water

Does the system have a chlorination waiver? YES NO

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime	Totalizer	
		Gallons	Cl2 use per 24hrs		Sodium Hydroxide		
1	0						1333611
2	1,951	54+96	30	0.27	6.2		1335562
3	0						
4	0						
5	3,213	96	54	0.35	6		1338775
6	1,048	81	15	0.19	6.1		1339823
7	1,151	66	15	0.18	6		1340974
8	1,169	48	18	0.35	6.1		1342143
9	874	33+112	15	0.24	6		1343017
10	0						
11	0						
12	2,740	112	33	0.1	6.1		1345757
13	1,020	100	12	0.2	6.1		1346777
14	1,003	80	20	0.23	6.1		1347780
15	986	63	17	0.15	6.1		1348766
16	980	54+96	9	0.05	6		1349746
17	0						
18	0						
19	2,686	105	45	0.31	6		1352432
20	885	90	15	0.24	6.3		1353317
21	1,028	78	12	0.44	6.1		1354345
22	862	66	12	0.37	6.1		1355207
23	946	48+102	18	0.43	6.1		1356153
24	0						
25	0						
26	2,446	114	36	0.48	6.1		1358599
27	1,003	96	18	0.4	6.1		1359602
28	1,082	78	18	0.44	6.1		1360684
29	975	66	12	0.34	6.1		1361659
30	936	51	15	0.43	6.1		1362595
31	0						
TOT	28,984		439				
AVG.	934.97		14.16	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. P. Ross*

Date: 2-3-04

Title: Water Systems Supervisor

Certification No. NY0031941

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169	STATION 11515100	SUFFOLK COUNTY	REPORTING PERIOD: JANUARY 2004
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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 768856
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2	Lime	Sodium Hydroxide	
		Gallons	Cl2 use per 24hrs	Residual mg/l			
1	0	38					
2	0	38	0	NR	NR		768856
3	0						
4	0						
5	0	38	0	NR	NR		768856
6	0	38	0	NR	NR		768856
7	0	38	0	NR	NR		768856
8	0	38	0	NR	NR		768856
9	220	38	0	NR	NR		769076
10	0						
11	0						
12	0	38	0	NR	NR		769076
13	0	38	0	NR	NR		769076
14	0	38	0	NR	NR		769076
15	0	38	0	NR	NR		769076
16	0	38	0	NR	NR		769076
17	0						
18	0						
19	0	38	0	NR	NR		769076
20	0	38	0	NR	NR		769076
21	0	38	0	NR	NR		769076
22	0	38	0	NR	NR		769076
23	0	38	0	NR	NR		769076
24	0						
25	0						
26	0	38	0	NR	NR		769076
27	0	38	0	NR	NR		769076
28	0	38	0	NR	NR		769076
29	0	38	0	NR	NR		769076
30	0	38	0	NR	NR		769076
31	0						
TOT	220		0				
AVG.	7.10		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: *So Kern*

Date: 2-3-04

Title: Water Systems Supervisor

Certification No. NY0031941

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169 STATION 11515100 SUFFOLK COUNTY REPORTING PERIOD: **JANUARY 2004**

LOCATION: **WELL NO. 11**

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

Source: Ground Water

Does the system have a chlorination waiver? YES NO

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer
	Treated Water	Liquid Sodium Hypochlorite	Free Cl ₂	Residual	Lime	Sodium Hydroxide	
	K Gals	Gallons	Cl ₂ use per 24hrs		mg/l		
1	0						511227
2	0	72	0	NR	NR		511227
3	0						
4	0						
5	0	72	0	NR	NR		511227
6	0	72	0	NR	NR		511227
7	0	72	0	NR	NR		511227
8	0	72	0	NR	NR		511227
9	0	72	0	NR	NR		511227
10	0						
11	0						
12	0	72	0	NR	NR		511227
13	0	72	0	NR	NR		511227
14	0	72	0	NR	NR		511227
15	0	72	0	NR	NR		511227
16	0	72	0	NR	NR		511227
17	0						
18	0						
19	0	72	0	NR	NR		511227
20	0	72	0	NR	NR		511227
21	0	72	0	NR	NR		511227
22	0	72	0	NR	NR		511227
23	0	72	0	NR	NR		511227
24	0						
25	0						
26	0	72	0	NR	NR		511227
27	0	72	0	NR	NR		511227
28	0	72	0	NR	NR		511227
29	0	72	0	NR	NR		511227
30	0	72	0	NR	NR		511227
31	0						
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: *Jd Pen*

Date: 2-3-04

Title: Water Systems Supervisor

Certification No. NY0031941

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169

STATION 11515100

SUFFOLK COUNTY

REPORTING PERIOD: JANUARY 2004

LOCATION: WELL NO. 12

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

Source: Ground Water

Does the system have a chlorination waiver? YES NO

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer 649276
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide		
		Gallons	Cl2 use per 24hrs				
1	0						
2	0	132	0	NR	NR	649276	
3	0						
4	0						
5	0	132	0	NR	NR	649276	
6	0	132	0	NR	NR	649276	
7	0	132	0	NR	NR	649276	
8	0	132	0	NR	NR	649276	
9	86	132	0	NR	NR	649362	
10	0						
11	0						
12	0	132	0	NR	NR	649362	
13	1	132	0	NR	NR	649363	
14	0	132	0	NR	NR	649363	
15	0	132	0	NR	NR	649363	
16	16	132	0	NR	NR	649379	
17	0						
18	0						
19	136	132	0	NR	NR	649515	
20	0	132	0	NR	NR	649515	
21	0	132	0	NR	NR	649515	
22	77	129	3	NR	NR	649592	
23	0	129	0	NR	NR	649592	
24	0						
25	0						
26	110	129	0	NR	NR	649702	
27	0	129	0	NR	NR	649702	
28	1	129	0	NR	NR	649703	
29	0	129	0	NR	NR	649703	
30	67	123	3	NR	NR	649770	
31	0						
TOT	494		6				
AVG.	15.94		0.19	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. North*

Date: 2-3-04

Title: Water Systems Supervisor

Certification No. NY0031941

1/30/2004
Pump Data

MONTHLY GALLONAGE REPORT
JANUARY 2004.xls

Date	Well 4	Well 6	Well 7	Well10	Well11	Well12	Daily Total
1	0	0	0	0	0	0	0
2	0	770	1,951	0	0	0	2,721
3	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0
5	0	1,231	3,213	0	0	0	4,444
6	0	465	1,048	0	0	0	1,513
7	0	482	1,151	0	0	0	1,633
8	0	264	1,169	0	0	0	1,433
9	0	332	874	220	0	86	1,512
10	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0
12	0	1,219	2,740	0	0	0	3,959
13	0	403	1,020	0	0	1	1,424
14	0	255	1,003	0	0	0	1,258
15	0	390	986	0	0	0	1,376
16	0	514	980	0	0	16	1,510
17	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0
19	0	1,025	2,686	0	0	136	3,847
20	0	394	885	0	0	0	1,279
21	0	459	1,028	0	0	0	1,487
22	0	429	862	0	0	77	1,368
23	0	388	946	0	0	0	1,334
24	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0
26	0	1,322	2,446	0	0	110	3,878
27	0	480	1,003	0	0	0	1,483
28	0	497	1,082	0	0	1	1,580
29	0	384	975	0	0	0	1,359
30	0	257	936	0	0	67	1,260
31	0	0	0	0	0	0	0
Total	0	11,960	28,984	220	0	494	41,658
			Totalizer This Month		Totalizer Last Month		Total(x1,000) Gallons
	Well 4		1,648,337		1,648,337		0
	Well 6		431,718		419,758		11,960
	Well 7		1,362,595		1,333,611		28,984
	Well 10		769,076		768,856		220
	Well 11		511,227		511,227		0
	Well 12		649,770		649,276		494
AGS Water Supply Meter			483,411		478,544		4867.00
Medical Reactor - Well 105							0.00
Biology Building - Well 9			6,792,340		6,791,890		0.45

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

Federal ID 5111891

Collected 1/8/2004 9:10:00 AM

Received 1/8/2004 3:40:00 PM

Collected By CLIENT

Copy : Original

CC

Lab No. : 0401173-001

Sample Information...

Type : Potable Water

Origin: Distribution

Client ID. : 17806-001

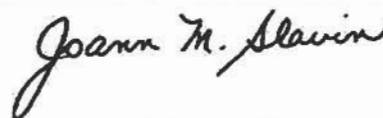
Point No 094-273

Location: B-49 Water Tower

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	01/09/2004 12:00 PM
E_Coliform	Absent		Absent	M9223	01/09/2004 12:00 PM
Total Residual Chlorine	0.8	mg/L		M4500-Cl G	01/08/2004

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

Date Reported : 1/20/2004



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. : 0401173-002

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

Federal ID 5111891

Client ID. : 17806-002

Collected 1/8/2004 9:15:00 AM

Point No 076-408

Received 1/8/2004 3:40:00 PM

Location: B-640 Water Tower

Collected By CLIENT

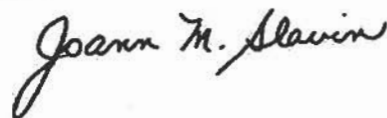
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<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	01/09/2004 12:00 PM
E_Coliform	Absent		Absent	M9223	01/09/2004 12:00 PM
Total Residual Chlorine	0.9	mg/L		M4500-Cl G	01/08/2004

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

Date Reported : 1/20/2004



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. : 0401173-003

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

Federal ID 5111891

Client ID. : 17806-003

Collected 1/8/2004 9:05:00 AM

Point No 109-19

Received 1/8/2004 3:40:00 PM

Location: B-363 Apt.Laundry

Collected By CLIENT

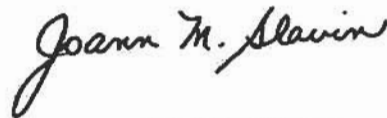
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<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	01/09/2004 12:00 PM
E_Coliform	Absent		Absent	M9223	01/09/2004 12:00 PM
Total Residual Chlorine	0.4	mg/L		M4500-Cl G	01/08/2004

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

Date Reported : 1/20/2004



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. : 0401173-004

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

Federal ID 5111891

Client ID. : 17806-004

Collected 1/8/2004 9:18:00 AM Point No 045-12

Received 1/8/2004 3:40:00 PM Location: B-1005 RHIC

Collected By CLIENT

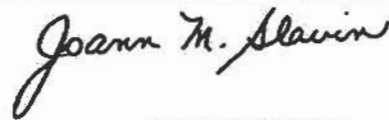
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<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	01/09/2004 12:00 PM
E_Coliform	Absent		Absent	M9223	01/09/2004 12:00 PM
Total Residual Chlorine	0.4	mg/L		M4500-Cl G	01/08/2004

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

Date Reported : 1/20/2004



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. : 0401173-005

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

Federal ID 5111891

Client ID. : 17806-005

Collected 1/8/2004 9:25:00 AM

Point No 054-187

Received 1/8/2004 3:40:00 PM

Location: B-930 LINAC

Collected By CLIENT

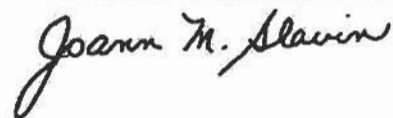
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<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	01/09/2004 12:00 PM
E_Coliform	Absent		Absent	M9223	01/09/2004 12:00 PM
Total Residual Chlorine	0.8	mg/L		M4500-Cl G	01/08/2004

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

Date Reported : 1/20/2004



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. : 0401173-006

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

Federal ID : 5111891

Client ID. : 17806-006

Collected 1/8/2004 9:35:00 AM

Point No 084-70

Received 1/8/2004 3:40:00 PM

Location: B-490 Outpatient Clinic

Collected By CLIENT

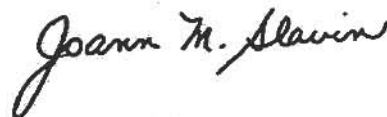
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<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	01/09/2004 12:00 PM
E_Coliform	Absent		Absent	M9223	01/09/2004 12:00 PM
Total Residual Chlorine	0.8	mg/L		M4500-Cl G	01/08/2004

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

Date Reported : 1/20/2004



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. : 0401173-007

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

Federal ID 5111891

Client ID. : 17806-007

Collected 1/8/2004 9:40:00 AM

Point No 084-67

Received 1/8/2004 3:40:00 PM

Location: B-490 Block 11

Collected By CLIENT

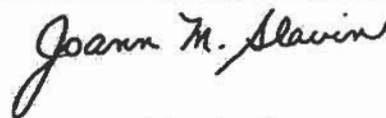
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<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	01/09/2004 12:00 PM
E_Coliform	Absent		Absent	M9223	01/09/2004 12:00 PM
Total Residual Chlorine	0.8	mg/L		M4500-CI G	01/08/2004

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

Date Reported : 1/20/2004



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. : 0401173-017

Sample Information...
Type : Potable Water
Origin: Treated Well

Federal ID 5111891

Client ID. : 17806-023

Collected 1/8/2004 9:10:00 AM

Point No 094-273

Received 1/8/2004 3:40:00 PM

Location: B-49 Water Tower -- *Duplicate*

Collected By CLIENT

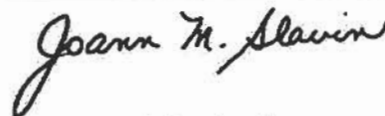
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<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	01/09/2004 12:00 PM
E_Coliform	Absent		Absent	M9223	01/09/2004 12:00 PM

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

Date Reported : 1/20/2004



Laboratory Manager

ATTACHMENT II

Brookhaven National Laboratory

Potable Water Supply

January 2004 Biweekly Water Quality Monitoring Data for the

BNL Distribution System

Page 1

Attachment II
Table 1 - Summary of Water Quality Analyses
for the BNL Potable Water System
January 2004

Sample Location	Sample Date	pH (SU)	Temperature (Degrees F)	Conductivity (µmhos)	Alkalinity (mg/L)	Calcium (mg/L)
WTP	1/1/04	Holiday			ANR	ANR
WTP	1/6/04	7.4	55	189	ANR	ANR
WTP	1/8/04	7.7	54	148	ANR	ANR
WTP	1/13/04	7.4	56	180	ANR	ANR
WTP	1/15/04	7.4	54	153	ANR	ANR
WTP	1/20/04	7.3	52	187	ANR	ANR
WTP	1/22/04	7.3	54	206	ANR	ANR
WTP	1/27/04	7.3	52	217	ANR	ANR
WTP	1/29/04	7.6	52	150	ANR	ANR

ANR- Analysis Not Required

NR- Well Not Running

WTP- Water Treatment Plant

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