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for the U.S. Department of Energy

January 8, 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 December 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 Data and Bacteriological Analyses for December.

Attachment II: December 2003 Biweekly Quarter 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.



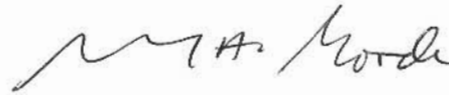
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Should there be any questions regarding this report or the analytical or operational data contained herein, please call either M. Allocco at (631) 344-3166, R. Lee at (631) 344-3148, or W. Chaloupka at (631) 344-7136.

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.03

ATTACHMENT I

Brookhaven National Laboratory

Potable Water Supply

Monthly Operational Data and Bacteriological Analyses for December 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: DEC 2003
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LOCATION: Water Treatment Facility

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
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide		
		Gallons	Cl2 use per 24hrs				
1	0	105	25	1.01	7.3	13054307	
2	851	95	10	1	7.8	13055158	
3	774	85	10	1.17	7.8	13055932	
4	828	75	10	0.9	7.8	13056760	
5	794	65+35	10	1.2	7.8	13057554	
6	0						
7	0						
8	2,528	45	55	1.2	7.5	13060082	
9	876	135+35	10	0.78	7.7	13060958	
10	931	163	7	0.85	8	13061889	
11	910	150	13	0.78	7.7	13062799	
12	942	143	7	0.94	7.6	13063741	
13	0						
14	0						
15	2,455	120	23	1.01	7.3	13066196	
16	818	110	20	1.4	7.5	13067014	
17	897	100	10	1.08	7.2	13067911	
18	573	90+60	10	1.1	7.2	13068484	
19	775	190	10	1.2	7.3	13069259	
20	0						
21	0						
22	2,183	170	20	1.2	7.3	13071442	
23	370	167	3	1	7.2	13071812	
24	778	167+33	0	0.7	7.3	13072590	
25	0						
26	1,581	189	11	0.95	7.4	13074171	
27	0						
28	0						
29	2,330	173	16	0.62	7.3	13076501	
30	766	167	6	0.7	7.4	13077267	
31	780	157	140	0.7	7.7	13078047	
TOT	23,740		426				
AVG.	765.81		13.74	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: *S. Ross*

Date: 1-6-04

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: DEC 2003
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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
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide		
		Gallons	Cl2 use per 24hrs		Sodium	Totalizer	
1	0	123	27	0.14	6.1	1640605	
2	353	114	9	0.05	6.1	1640958	
3	331	108	6	0.35	6.1	1641289	
4	290	99	9	0.7	6.1	1641579	
5	466	90+60	9	0.4	6.1	1642045	
6	0						
7	0						
8	1,077	120	30	0.21	6.2	1643122	
9	341	112	9	0.2	6.1	1643463	
10	164	108	4	0.2	6	1643627	
11	14	106	2	0.021	6	1643641	
12	320	99+51	7	0.07	6	1643961	
13	0						
14	0						
15	1,019	123	27	0.18	6.1	1644980	
16	318	117	6	0.03	6	1645298	
17	420	107	10	0.25	6.1	1645718	
18	175	102+48	5	0.03	6.1	1645893	
19	417	142	8	0.25	6.1	1646310	
20	0						
21	0						
22	85	136	6	0.31	6.2	1646395	
23	20	133	3	0.15	6.6	1646415	
24	387	123	10	0.06	6.2	1646802	
25	0						
26	575	113+34	10	0.95	6.2	1647377	
27	0						
28	0						
29	872	123	24	0.2	6.1	1648249	
30	88	123	0	0.22	6.1	1648337	
31	0	123	0	0.2	6.1	1648337	
TOT	7,732		221				
AVG.	249.42		7.13	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: 1-6-04

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: DEC 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
	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	123	5	0.14	6.1	414173	
2	129	120	3	0.05	6.1	414302	
3	142	117	3	0.35	6.1	414444	
4	130	114	3	0.7	6.1	414574	
5	366	105+33	19	0.4	6.1	414940	
6	0						
7	0						
8	563	129	9	0.21	6.2	415503	
9	58	126	3	0.21	6.1	415561	
10	181	123	3	0.2	6	415742	
11	593	105	18	0.021	6	416335	
12	173	99+15	6	0.07	6	416508	
13	0						
14	0						
15	554	100	14	0.18	6.1	417062	
16	188	97	3	0.03	6	417250	
17	247	87	10	0.25	6.1	417497	
18	38	85+65	2	0.03	6.1	417535	
19	207	148	2	0.25	6.1	417742	
20	0						
21	0						
22	35	138	10	0.31	6.2	417777	
23	23	133	5	0.15	6.6	417800	
24	334	132		0.06	6.2	418134	
25	0						
26	354	120	12	0.95	6.2	418488	
27	0						
28	0						
29	299	114	6	0.2	6.1	418787	
30	470	99	15	0.22	6.1	419257	
31	501	93	6	0.2	6.1	419758	
TOT	5,585		157				
AVG.	180.16		5.06	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: *So Pass*

Date: 1-6-04

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: DEC 2003
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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 mg/l	Lime Sodium Hydroxide	Totalizer	
		Gallons	Cl2 use per 24hrs				
1	0	102	48	0.14	6.1	1305935	
2	955	87	15	0.05	6.1	1306890	
3	806	78	9	0.35	6.1	1307696	
4	1,012	63	15	0.7	6.1	1308708	
5	928	48+102	25	0.4	6.1	1309636	
6	0						
7	0						
8	2,902	99	51	0.21	6.2	1312538	
9	1,083	84	15	0.2	6.1	1313621	
10	1,020	69	15	0.2	6	1314641	
11	1,044	54	15	0.021	6	1315685	
12	1,084	35+115	19	0.07	6	1316769	
13	0						
14	0						
15	2,722	105	45	0.18	6.1	1319491	
16	834	97	8	0.03	6	1320325	
17	928	78	19	0.25	6.1	1321253	
18	705	68+82	10	0.03	6.1	1321958	
19	781	140	10	0.25	6.1	1322739	
20	0						
21	0						
22	3,563	78	62	0.31	6.2	1326302	
23	485	72	5	0.15	6.6	1326787	
24	717	57	15	0.06	6.2	1327504	
25	0						
26	1,730	24+126	23	0.95	6.2	1329234	
27	0						
28	0						
29	2,574	111	39	0.2	6.1	1331808	
30	803	99	12	0.22	6.1	1332611	
31	1,000	84	15	0.2	6.1	1333611	
TOT	27,676		490				
AVG.	892.77		15.81	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

If yes, check reason's below.

Actual number of samples fewer than required.

Failure to analyze for E. Coli if there was a positive result for total coliform from routine, repeat of high turbidity sample.

Failure to analyze repeat samples.

Does an MCL violation exist? YES NO

If yes, check reason(s) below.

Two or more positive total coliform samples for systems collecting 40 or more samples (routine, repeat or hiturb) per month.

Positive E. Coli result followed by a positive total coliform repeat sample.

Positive total coliform result followed by a positive E. Coli repeat sample.

Reported by: *Ja R...*

Date: 1-6-04

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: DEC 2003
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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
	Treated Water	Liquid Sodium Hypochlorite		Free Cl ₂ Residual	Lime		
		Gallons	Cl ₂ use per 24hrs		Sodium Hydroxide		
	K Gals	38		mg/l			768856
1	0	38	0	NR	NR		768856
2	0	38	0	NR	NR		768856
3	0	38	0	NR	NR		768856
4	0	38	0	NR	NR		768856
5	0	38	0	NR	NR		768856
6	0						
7	0						
8	0	38	0	NR	NR		768856
9	0	38	0	NR	NR		768856
10	0	38	0	NR	NR		768856
11	0	38	0	NR	NR		768856
12	0	38	0	NR	NR		768856
13	0						
14	0						
15	0	38	0	NR	NR		768856
16	0	38	0	NR	NR		768856
17	0	38	0	NR	NR		768856
18	0	38	0	NR	NR		768856
19	0	38	0	NR	NR		768856
20	0						
21	0						
22	0	38	0	NR	NR		768856
23	0	38	0	NR	NR		768856
24	0	38	0	NR	NR		768856
25	0						
26	0	38	0	NR	NR		768856
27	0						
28	0						
29	0	38	0	NR	NR		768856
30	0	38	0	NR	NR		768856
31	0	38	0	NR	NR		768856
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 Davis*

Date: 1-6-04

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: DEC 2003
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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 Cl ₂ Residual mg/l	Lime Sodium Hydroxide	Totalizer	
		Gallons	Cl ₂ use per 24hrs				
1	0	81	0	NR	NR	510899	
2	168	81	0	NR	NR	511067	
3	15	81	0	NR	NR	511082	
4	0	81	0	NR	NR	511082	
5	0	81	0	NR	NR	511082	
6	0						
7	0						
8	0	81	0	NR	NR	511082	
9	0	81	0	NR	NR	511082	
10	0	81	0	NR	NR	511082	
11	0	81	0	NR	NR	511082	
12	0	81	0	NR	NR	511082	
13	0						
14	0						
15	0	81	0	NR	NR	511082	
16	0	81	0	NR	NR	511082	
17	0	81	0	NR	NR	511082	
18	88	78	3	NR	NR	511170	
19	0	78	0	NR	NR	511170	
20	0						
21	0						
22	57	75	3	NR	NR	511227	
23	0	75	0	NR	NR	511227	
24	0	75	0	NR	NR	511227	
25	0						
26	0	75	0	NR	NR	511227	
27	0						
28	0						
29	0	75	0	NR	NR	511227	
30	0	75	0	NR	NR	511227	
31	0	75	0	NR	NR	511227	
TOT	328		6				
AVG.	10.58		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: *JL Ross*

Date: 1-16-04

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: DEC 2003
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LOCATION: WELL NO. 12

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

Source: Ground Water

Does the system have a chlorination waiver? YES NO

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl ₂ Residual mg/l	Lime Sodium Hydroxide	Totalizer	
		Gallons	Cl ₂ use per 24hrs				
1	0	66	0	NR	NR	648377	
2	0	66	0	NR	NR	648377	
3	4	66	0	NR	NR	648381	
4	0	66	0	NR	NR	648381	
5	0	66	0	NR	NR	648381	
6	0						
7	0						
8	0	66	0	NR	NR	648381	
9	0	66	0	NR	NR	648381	
10	2	65	1	NR	NR	648383	
11	18	65	0	NR	NR	648401	
12	0	65	0	NR	NR	648401	
13	0						
14	0						
15	3	65	0	NR	NR	648404	
16	2	65	0	NR	NR	648406	
17	0	65	0	NR	NR	648406	
18	80	60	5	NR	NR	648486	
19	9	60	0	NR	NR	648495	
20	0						
21	0						
22	0	60+90	0	NR	NR	648495	
23	573	133	17	0.69	8.1	649068	
24	158	133	0	NR	NR	649226	
25	0						
26	0	133	0	NR	NR	649226	
27	0						
28	0						
29	0	133	0	NR	NR	649226	
30	0	133	0	NR	NR	649226	
31	50	133	0	NR	NR	649276	
TOT	899		23				
AVG.	29.00		0.74	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: *JCO Noel*

Date: 1-6-04

Title: Water Systems Supervisor

Certification No. NY0031941

12/31/2003
Pump Data

MONTHLY GALLONAGE REPORT
DEC 2003.xls

Date	Well 4	Well 6	Well 7	Well10	Well11	Well12	Daily Total
1	0	0	0	0	0	0	0
2	353	129	955	0	168	0	1,605
3	331	142	806	0	15	4	1,298
4	290	130	1,012	0	0	0	1,432
5	466	366	928	0	0	0	1,760
6	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0
8	1,077	563	2,902	0	0	0	4,542
9	341	58	1,083	0	0	0	1,482
10	164	181	1,020	0	0	2	1,367
11	14	593	1,044	0	0	18	1,669
12	320	173	1,084	0	0	0	1,577
13	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0
15	1,019	554	2,722	0	0	3	4,298
16	318	188	834	0	0	2	1,342
17	420	247	928	0	0	0	1,595
18	175	38	705	0	88	80	1,086
19	417	207	781	0	0	9	1,414
20	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0
22	85	35	3,563	0	57	0	3,740
23	20	23	485	0	0	573	1,101
24	387	334	717	0	0	158	1,596
25	0	0	0	0	0	0	0
26	575	354	1,730	0	0	0	2,659
27	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0
29	872	299	2,574	0	0	0	3,745
30	88	470	803	0	0	0	1,361
31	0	501	1,000	0	0	50	1,551
Total	7,732	5,585	27,676	0	328	899	42,220
			Totalizer This Month		Totalizer Last Month		Total(x1,000) Gallons
		Well 4	1,648,337		1,640,605		7,732
		Well 6	419,758		414,173		5,585
		Well 7	1,333,611		1,305,935		27,676
		Well 10	768,856		768,856		0
		Well 11	511,227		510,899		328
		Well 12	649,276		648,377		899
AGS Water Supply Meter			478,544		473,366		5178.00
Medical Reactor - Well 105							0.00
Biology Building - Well 9			6,791,890		6,790,390		1.50

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. : 0312188-001

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

Federal ID 5111891

Client ID. : 17805-001

Collected 12/4/2003 8:55:00 AM

Point No 094-273

Received 12/4/2003 3:35:00 PM

Location: B-49 Water Tower

Collected By CLIENT

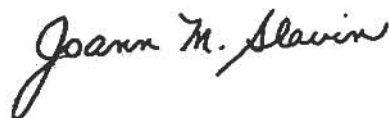
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<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	12/05/2003 11:00 AM
E_Coliform	Absent		Absent	M9223	12/05/2003 11:00 AM
Total Residual Chlorine	0.9	mg/L		M4500-CI G	12/04/2003

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

Date Reported : 12/11/2003



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. : 0312188-002

Sample Information...

Type : Potable Water

Origin: Distribution

Federal ID 5111891

Client ID. : 17805-002

Collected 12/4/2003 9:07:00 AM

Point No 076-408

Received 12/4/2003 3:35:00 PM

Location: B-640 Water Tower

Collected By CLIENT

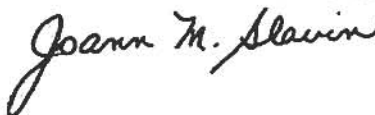
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<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	12/05/2003 11:00 AM
E_Coliform	Absent		Absent	M9223	12/05/2003 11:00 AM
Total Residual Chlorine	0.8	mg/L		M4500-Cl G	12/04/2003

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

Date Reported : 12/11/2003



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. : 0312188-003

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

Federal ID 5111891

Client ID. : 17805-003

Collected 12/4/2003 9:30:00 AM

Point No 045-12

Received 12/4/2003 3:35:00 PM

Location: B-1005 RHIC

Collected By CLIENT

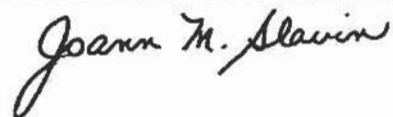
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<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	12/05/2003 11:00 AM
E_Coliform	Absent		Absent	M9223	12/05/2003 11:00 AM
Total Residual Chlorine	1.0	mg/L		M4500-Cl G	12/04/2003

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

Date Reported : 12/11/2003



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. : 0312188-004

Sample Information...

Type : Potable Water

Origin: Distribution

Federal ID 5111891

Client ID. : 17805-004

Collected 12/4/2003 8:40:00 AM

Point No 109-19

Received 12/4/2003 3:35:00 PM

Location: B-363 Apt.Laundry

Collected By CLIENT

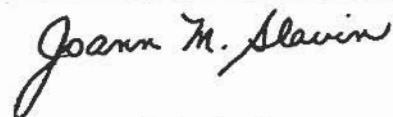
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<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	12/05/2003 11:00 AM
E_Coliform	Absent		Absent	M9223	12/05/2003 11:00 AM
Total Residual Chlorine	0.9	mg/L		M4500-Cl G	12/04/2003

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

Date Reported : 12/11/2003



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. : 0312188-005

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

Federal ID 5111891

Client ID. : 17805-005

Collected 12/4/2003 9:20:00 AM Point No 075-602
Received 12/4/2003 3:35:00 PM Location: B-725 NSLS

Collected By CLIENT

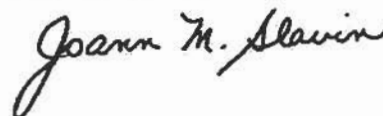
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<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	12/05/2003 11:00 AM
E_Coliform	Absent		Absent	M9223	12/05/2003 11:00 AM
Total Residual Chlorine	0.6	mg/L		M4500-Cl G	12/04/2003

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

Date Reported : 12/11/2003



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. : 0312188-006

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

Federal ID 5111891

Client ID. : 17805-006

Collected 12/4/2003 9:45:00 AM

Point No 084-69

Received 12/4/2003 3:35:00 PM

Location: B-490 Block 1 ACF

Collected By CLIENT

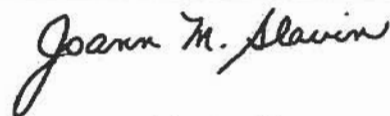
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<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	12/05/2003 11:00 AM
E_Coliform	Absent		Absent	M9223	12/05/2003 11:00 AM
Total Residual Chlorine	0.8	mg/L		M4500-CI G	12/04/2003

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

Date Reported : 12/11/2003



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. : 0312188-007

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

Federal ID 5111891

Client ID. : 17805-007

Collected 12/4/2003 10:00:00 AM Point No 084-68

Received 12/4/2003 3:35:00 PM Location: B-490 Block 4 MRC

Collected By CLIENT

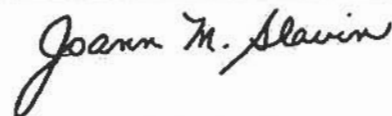
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<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	12/05/2003 11:00 AM
E_Coliform	Absent		Absent	M9223	12/05/2003 11:00 AM
Total Residual Chlorine	1.0	mg/L		M4500-Cl G	12/04/2003

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

Date Reported : 12/11/2003



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. : 0312188-008

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

Federal ID 5111891

Client ID. : 17805-008

Collected 12/4/2003

Point No 1

Received 12/4/2003 3:35:00 PM

Location: Duplicate - Bldg. 640 Water Tower

Collected By CLIENT

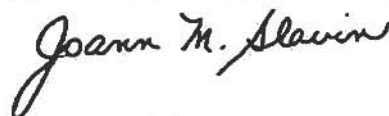
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<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	12/05/2003 11:00 AM
E_Coliform	Absent		Absent	M9223	12/05/2003 11:00 AM
Total Residual Chlorine	0.8	mg/L		M4500-CI G	12/04/2003

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

Date Reported : 12/11/2003



Laboratory Manager

ATTACHMENT II

Brookhaven National Laboratory

Potable Water Supply

December 2003 Biweekly Water Quality Monitoring Data for the

BNL Distribution System

Attachment II
Table 1 - Summary of Water Quality Analyses
for the BNL Potable Water System
December 2003

Sample Location	Sample Date	pH (SU)	Temperature (Degrees F)	Conductivity (µmhos)	Alkalinity (mg/L)	Calcium (mg/L)
WTP	12/2/03	7.8	54	155	ANR	ANR
WTP	12/4/03	7.8	52	158	ANR	ANR
WTP	12/9/03	7.7	52	150	ANR	ANR
WTP	12/11/03	7.7	54	145	ANR	ANR
WTP	12/16/03	7.5	53	156	ANR	ANR
WTP	12/18/03	7.2	53	232	ANR	ANR
WTP	12/23/03	7.2	52	263	ANR	ANR
WTP	12/25/03	Holiday			ANR	ANR
WTP	12/30/03	7.4	58	179	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.