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for the U.S. Department of Energy

October 7, 2005

Ms. Kathleen Newcomer
Suffolk County Department of Health Services
Office of Water Resources
Bureau of Drinking Water
Suite 1C
360 Yaphank Avenue
Yaphank, New York 11980

Dear Ms. Kathleen Newcomer:

Subject: Monthly Water Treatment Plant Reports
Reference: Suffolk County Minimum Monitoring Requirements for September 2005

In accordance with the requirements of the BNL Potable Water System Sampling Plan and the 2005 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 for September.
- Attachment II: September 2005 Biweekly and Third Quarter Water Quality Monitoring Data for the BNL Distribution System and Potable Water Wells.
- Attachment III: Annual and September 2005 Stage 1 Disinfectants & Disinfection Byproduct Rule Monitoring Data and Bacteriological Analyses for the BNL Distribution System.
- Attachment IV: 2005 Semi-Annual Inorganic and Nitrate/Nitrite Analyses for the BNL Distribution System.

Review of attachment IV shows that iron and color exceed the regulatory limit. Iron, and consequently color were likely present due to scale accumulation within the potable water main. BNL periodically mitigates scale build-up by flushing the water mains. To ensure that these efforts are effective, two rounds of samples will be collected from the distribution system in October.

Collection and analysis of these samples is 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



REGISTERED TO
ISO 14001: 1996

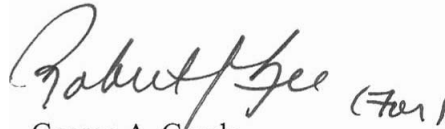


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Registrar Accreditation Board

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.

Should there be any questions regarding this report or the analytical or operational data contained herein, please call either J. Higbie at (631) 344-5919, R. Lee at (631) 344-3148, or W. Chaloupka at (631) 344-7136.

Sincerely,



George A. Goode
Environmental & Waste Management Services
Division Manager

GAG/JB:car

Attachments: As noted

cc:	J. Higbie	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

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ATTACHMENT I

Brookhaven National Laboratory

Potable Water Supply

**Monthly Operational Data for September 2005
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: SEPTEMBER

2005

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 135888
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide		
		Gallons	Cl2 use per 24hrs				
1	0	190	0	0.92	6.8	135888	
2	0	190	0	0.90	6.8	135888	
3	0	190	0	0.95	6.5	135888	
4	0						
5	0						
6	0	190	0	1.00	6.2	135888	
7	0	190	0	0.96	6.2	135888	
8	59	190	0	1.20	6.1	135947	
9	0	190	0	0.16	6	135947	
10	0						
11	0						
12	2,489	160	30	0.85	7.5	138436	
13	880	145	15	0.51	7.6	139316	
14	851	135	10	0.80	7.5	140167	
15	1,531	115	20	0.25	7.5	141698	
16	851	105	10	0.52	7.5	142549	
17	0						
18	0						
19	174	100	5	0.75	7.5	142723	
20	1,642	80	20	0.95	7.6	144365	
21	1,619	65	15	0.94	7.5	145984	
22	1,478	54	11	1.00	7.6	147462	
23	1,636	35	19	0.83	7.6	149098	
24	0						
25	0						
26	4,501	35	0	0.76	7.6	153599	
27	1,646	170	20	0.73	7.5	155245	
28	1,570	160	10	0.84	7.4	156815	
29	1,549	145	15	1.35	7.6	158364	
30	1,377	130	15	0.87	7.5	159741	
31	0						
TOT	23,853		215				
AVG.	795.10		7.17	No. Days:	30		

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: *JL Ross*

Date: 10-4-05

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: SEPTEMBER 2005

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 1648622
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide	
		Gallons	Cl2 use per 24hrs			
1	0	0	0	NR	NR	1648622
2	0	0	0	NR	NR	1648622
3	0	0	0	NR	NR	1648622
4	0					
5	0					
6	0	0	0	NR	NR	1648622
7	0	0	0	NR	NR	1648622
8	0	0	0	NR	NR	1648622
9	0	0	0	NR	NR	1648622
10	0					
11	0					
12	0	0	0	NR	NR	1648622
13	0	0	0	NR	NR	1648622
14	0	0	0	NR	NR	1648622
15	0	0	0	NR	NR	1648622
16	0	0	0	NR	NR	1648622
17	0					
18	0					
19	0	0	0	NR	NR	1648622
20	0	0	0	NR	NR	1648622
21	0	0	0	NR	NR	1648622
22	0	0	0	NR	NR	1648622
23	0	0	0	NR	NR	1648622
24	0					
25	0					
26	0	0	0	NR	NR	1648622
27	0	0	0	NR	NR	1648622
28	0	0	0	NR	NR	1648622
29	0	0	0	NR	NR	1648622
30	0	0	0	NR	NR	1648622
31	0					
TOT	0		0			
AVG.	0.00		0.00	No. Days:	30	

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: 10-4-05

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: SEPTEMBER 2005
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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 Cl2 Residual mg/l	Lime Sodium Hydroxide	Totalizer	
		Gallons	Cl2 use per 24hrs				
1	0	75	0	NR	NR	567946	
2	0	75	0	NR	NR	567946	
3	0	75	0	NR	NR	567946	
4	0						
5	0						
6	0	75	0	NR	NR	567946	
7	0	75	0	NR	NR	567946	
8	0	75	0	NR	NR	567946	
9	1	75+75	0	NR	NR	567947	
10	0						
11	0						
12	445	135	15	NR	NR	568392	
13	163	129	6	NR	NR	568555	
14	35	129+21	0	0.04	6.1	568590	
15	482	129	21	0.04	6	569072	
16	120	123+27	6	0.21	5.9	569192	
17	0						
18	0						
19	122	147	3	0.23	6.2	569314	
20	270	123	24	0.21	6.1	569584	
21	674	111	12	0.18	6.1	570258	
22	80	99	12	NR	NR	570338	
23	660	83	16	0.23	6	570998	
24	0						
25	0						
26	1,155	60	23	0.23	6	572153	
27	394	48	12	0.11	5.9	572547	
28	481	40+90	8	0.20	6	573028	
29	559	120	10	0.04	5.9	573587	
30	558	96	24	0.04	5.8	574145	
31	0						
TOT	6,199		192				
AVG.	206.63		6.40	No. Days:	30		

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 Perry*

Date: 10-4-05

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: SEPTEMBER 2005

LOCATION: WELL NO. 7

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	Treated Water K Gals	CHLORINATION			pH		Daily Totalizer
		Liquid Sodium Hypochlorite Gallons	Cl ₂ use per 24hrs	Free Cl ₂ Residual mg/l	— Lime Sodium Hydroxide		
1	0	90	0	NR	NR	1752029	
2	0	90	0	NR	NR	1752029	
3	0	90	0	NR	NR	1752029	
4	0						
5	0						
6	0	90	0	NR	NR	1752029	
7	0	90	0	NR	NR	1752029	
8	0	90	0	NR	NR	1752029	
9	2	90+60	0	NR	NR	1752031	
10	0						
11	0						
12	2,636	96	54	0.18	6.1	1754667	
13	936	72	24	0.00	6	1755603	
14	866	54+96	18	0.04	6.1	1756469	
15	1,338	120	30	0.04	6	1757807	
16	909	96+54	24	0.21	5.9	1758716	
17	0						
18	0						
19	219	147	3	0.23	6.2	1758935	
20	624	111	36	0.21	6.1	1759559	
21	2,154	93	18	0.18	6.1	1761713	
22	214	75	18	0.15	6.1	1761927	
23	2,416	57+93	18	0.25	6	1764343	
24	0						
25	0						
26	3,576	105	45	0.23	6	1767919	
27	1,354	84	21	0.11	5.9	1769273	
28	1,229	65+85	19	0.20	6	1770502	
29	1,345	136	14	0.04	5.9	1771847	
30	1,273	117	19	0.04	5.8	1773120	
31	0						
TOT	21,091		361				
AVG	703.03		12.03	No. Days:	30		

Reported by:

Title: Water Systems Supervisor

Date: 10-4-05

Certification No. NY0031941

Population Served **3,500** 4
 Number of routine samples 7
 (Must collect a minimum of 5 routine samples the month following a repeat sample collection)

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.

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169	STATION 11515100	SUFFOLK COUNTY	REPORTING PERIOD: SEPTEMBER 2005
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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 Cl2 Residual	Lime Sodium Hydroxide	771491	
		K Gals	Gallons				
1	0	0	0	NR	NR	771491	
2	0	0	0	NR	NR	771491	
3	0	0	0	NR	NR	771491	
4	0						
5	0						
6	0	0	0	NR	NR	771491	
7	0	0	0	NR	NR	771491	
8	0	0	0	NR	NR	771491	
9	0	0	0	NR	NR	771491	
10	0						
11	0						
12	0	0	0	NR	NR	771491	
13	0	0	0	NR	NR	771491	
14	0	0	0	NR	NR	771491	
15	0	0	0	NR	NR	771491	
16	0	0	0	NR	NR	771491	
17	0						
18	0						
19	0	0	0	NR	NR	771491	
20	0	0	0	NR	NR	771491	
21	0	0	0	NR	NR	771491	
22	0	0	0	NR	NR	771491	
23	0	0	0	NR	NR	771491	
24	0						
25	0						
26	72	0	0	NR	NR	771563	
27	0	0	0	NR	NR	771563	
28	0	0	0	NR	NR	771563	
29	0	0	0	NR	NR	771563	
30	0	0	0	NR	NR	771563	
31	0						
TOT	72		0				
AVG.	2.40		0.00	No. Days:	30		

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: *JC Park*

Date: 10-4-05

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: SEPTEMBER 2005
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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	Liquid Sodium Hypochlorite		Free Cl ₂ Residual	Lime Sodium Hydroxide		
		K Gals	Gallons		Cl ₂ use per 24hrs	mg/l	
1	1,544	90	18	0.92	6.8	698859	
2	1,431	72+78	18	1.40	7	700290	
3	1,320	135	15	1.10	6.3	701610	
4	0						
5	0						
6	4,677	80	45	0.35	6.3	706287	
7	1,487	63	17	NR	NR	707774	
8	1,425	45+100	18	NR	NR	709199	
9	211	117	28	NR	NR	709410	
10	0						
11	0						
12	2,094	93	24	NR	NR	711504	
13	38	90	3	NR	NR	711542	
14	754	75+66	15	NR	NR	712296	
15	63	141	0	NR	NR	712359	
16	804	114+36	27	NR	NR	713163	
17	0						
18	0						
19	4,410	20+130	130	1.00	7.2	717573	
20	7	150	0	NR	NR	717580	
21	9	150	0	0.95	7	717589	
22	163	150	0	NR	NR	717752	
23	74	150	0	NR	NR	717826	
24	0						
25	0						
26	297	150	0	NR	NR	718123	
27	108	150	0	0.35	6.6	718231	
28	8	150	0	NR	NR	718239	
29	36	150	0	0.50	6.7	718275	
30	176	144	6	NR	NR	718451	
31	0						
TOT	21,136		364				
AVG.	704.53		12.13	No. Days:	30		

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: *SA Park*

Date: 10-4-05

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: SEPTEMBER 2005

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		
		Gallons	Cl2 use per 24hrs		mg/l	mg/l	
1	223	129	15	0.04	6.9	782386	
2	539	123+27	6	0.04	6.2	782925	
3	287	147	3	NR	NR	783212	
4	0						
5	0						
6	0	147	0	NR	NR	783212	
7	337	147	0	NR	NR	783549	
8	9	142	5	NR	NR	783558	
9	1,331	120	42	NR	NR	784889	
10	0						
11	0						
12	46	120	0	NR	NR	784935	
13	818	105	15	0.10	6	785753	
14	1	105	0	NR	NR	785754	
15	0	105	0	NR	NR	785754	
16	27	105+45	0	NR	NR	785781	
17	0						
18	0						
19	0	150	0	NR	NR	785781	
20	0	150	0	NR	NR	785781	
21	0	150	0	NR	NR	785781	
22	0	150	0	NR	NR	785781	
23	0	150	0	NR	NR	785781	
24	0						
25	0						
26	0	150-75	0	NR	NR	785781	
27	0	75	0	0.71	6	785781	
28	5	75	0	NR	NR	785786	
29	0	75	0	0.62	6.1	785786	
30	4	75	0	NR	NR	785790	
31	0						
TOT	3,627		86				
AVG.	120.90		2.87	No. Days:	30		

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. J. [Signature]*

Date: 10-4-05

Title: Water Systems Supervisor

Certification No. NY0031941

9/30/2005
Pump Data

MONTHLY GALLONAGE REPORT
SEPTEMBER2005.XLS

Date	Well 4	Well 6	Well 7	Well10	Well11	Well12	Daily Total
1	0	0	0	0	1,544	223	1,767
2	0	0	0	0	1,431	539	1,970
3	0	0	0	0	1,320	287	1,607
4	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0
6	0	0	0	0	4,677	0	4,677
7	0	0	0	0	1,487	337	1,824
8	0	0	0	0	1,425	9	1,434
9	0	1	2	0	211	1,331	1,545
10	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0
12	0	445	2,636	0	2,094	46	5,221
13	0	163	936	0	38	818	1,955
14	0	35	866	0	754	1	1,656
15	0	482	1,338	0	63	0	1,883
16	0	120	909	0	804	27	1,860
17	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0
19	0	122	219	0	4,410	0	4,751
20	0	270	624	0	7	0	901
21	0	674	2,154	0	9	0	2,837
22	0	80	214	0	163	0	457
23	0	660	2,416	0	74	0	3,150
24	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0
26	0	1,155	3,576	72	297	0	5,100
27	0	394	1,354	0	108	0	1,856
28	0	481	1,229	0	8	5	1,723
29	0	559	1,345	0	36	0	1,940
30	0	558	1,273	0	176	4	2,011
31	0	0	0	0	0	0	0
Total	0	6,199	21,091	72	21,136	3,627	52,125
		Totalizer			Totalizer		Total(x1,000)
		This Month			Last Month		Gallons
	Well 4	1,648,622			1,648,622		0
	Well 6	574,145			567,946		6,199
	Well 7	1,773,120			1,752,029		21,091
	Well 10	771,563			771,491		72
	Well 11	718,451			697,315		21,136
	Well 12	785,790			782,163		3,627
AGS Water Supply Meter		555,555			555,387		168.00
Medical Reactor - Well 105		0			0		0.00
Biology Building - Well 9		6,793,050			6,793,050		0.00

ATTACHMENT II

Brookhaven National Laboratory

Potable Water Supply

**September 2005 Biweekly Water Quality Monitoring Data
for the BNL Distribution System and Potable Water Wells**

Attachment II
Table 1 - Summary of Water Quality Analyses
for the BNL Potable Water System
September 2005

Sample Location	Sample Date	pH (SU)	Temperature (Degrees F)	Conductivity (μ mhos)	Alkalinity (mg/L)	Calcium (mg/L)
WTP	9/1/05	6.8	56	180	ANR	ANR
WTP	9/6/05	6.2	65	156	ANR	ANR
WTP	9/8/05	6.1	65	159	ANR	ANR
WTP	9/13/05	7.6	60	160	ANR	ANR
WTP	9/15/05	7.5	59	150	ANR	ANR
WTP	9/20/05	7.6	55	157	ANR	ANR
WTP	9/22/05	7.6	56	157	ANR	ANR
WTP	9/27/05	7.5	53	149	ANR	ANR
WTP	9/29/05	7.6	56	136	ANR	ANR
Well 11	9/1/05	6.9	55	180	ANR	ANR
Well 11	9/6/05	6.3	55	147	ANR	ANR
Well 11	9/8/05	6.6	55	133	ANR	ANR
Well 11	9/27/05	6.6	55	282	ANR	ANR
Well 11	9/29/05	6.7	55	188	ANR	ANR
Well 12	9/1/05	6.1	56	144	ANR	ANR
Well 12	9/13/05	6.0	56	150	ANR	ANR
Well 12	9/27/05	6.0	56	187	ANR	ANR
Well 12	9/29/05	6.1	56	200	ANR	ANR
Bldg. 49	7/8/05	7.4	64	171	24.4	11
Bldg. 640	7/8/05	7.2	68	151	20.0	9.3
Bldg. 363	7/8/05	7.1	61	126	15.6	5.9

ANR- Analysis Not Required

NR- Not Reported

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

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
 (631) 694-3040. FAX: (631) 420-8436 NYSDOH ID# 10478

Brookhaven National Lab.-BNLM

70 Bell Ave.

Upton, NY 11973

Attn To : Marcia Allocco

Federal ID 5111891

Collected : 7/8/2005 8:30:00 AM

Received : 7/8/2005 3:30:00 PM

Collected By : CLIENT

Copy : Original

CC

LABORATORY RESULTS

Lab No. : 0507277-001A

Client ID. : 20891-001

Sample Information...

Type : Potable Water

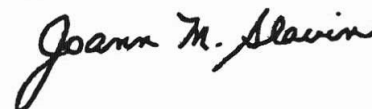
Origin : Distribution

Routine

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Specific Conductance	171		1	µmhos/cm		E120.1	07/08/2005
PH (FIELD)	7.4		1	pH Units		E150.1	07/08/2005
Temperature	18		1	°C		E170.1	07/08/2005
Total Coliform	Negative		1		Negative	M9223	07/09/2005 12:00 PM
E_Coliform	Absent		1		Absent	M9223	07/09/2005 12:00 PM
Alkalinity, Total (As CaCO3)	24.4		1	mg/L		M2320 B	07/11/2005 12:13 PM
Total Residual Chlorine	0.7		1	mg/L		M4500-CI G	07/08/2005
Turbidity	4.2		1	NTU	5	E180.1	07/09/2005 6:02 PM

Result(s) reported meet(s) Regulatory Limit(s).
 Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.
 D.F. = Dilution Factor

Date Reported : 8/2/2005



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 : Marcia Allocco

Lab No. : 0507277-001

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

Federal ID : 5111891

Client ID. : 20891-001

Collected : 7/8/2005 8:30:00 AM

Point No: 094-273

Received : 7/8/2005 3:30:00 PM

Location: B-49 Water Tower

Collected By CLIENT

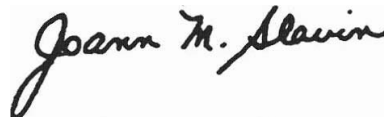
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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Calcium	11000		1	µg/L		E200.7	07/27/2005 10:38 AM

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.
D.F. = Dilution Factor

Date Reported : 8/2/2005



Laboratory Manager

BNLM163 A23

H2M LABS, INC.575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 FAX: (631) 420-8436 NYSDOH ID# 10478**Brookhaven National Lab.-BNLM**

70 Bell Ave.

Upton, NY 11973

Attn To : Marcia Allocco

Federal ID 5111891

Collected : 7/8/2005 9:20:00 AM

Received : 7/8/2005 3:30:00 PM

Collected By : CLIENT

Copy : Original

CC

LABORATORY RESULTS

Lab No. : 0507277-002A

Client ID. : 20891-002

Sample Information...

Type : Potable Water

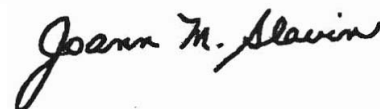
Origin : Distribution

Routine

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Specific Conductance	151		1	µmhos/cm		E120.1	07/08/2005
PH (FIELD)	7.2		1	pH Units		E150.1	07/08/2005
Temperature	20		1	°C		E170.1	07/08/2005
Total Coliform	Negative		1		Negative	M9223	07/09/2005 12:00 PM
E_Coliform	Absent		1		Absent	M9223	07/09/2005 12:00 PM
Alkalinity, Total (As CaCO ₃)	20.0		1	mg/L		M2320 B	07/11/2005 12:18 PM
Total Residual Chlorine	0.5		1	mg/L		M4500-Cl G	07/08/2005
Turbidity	4.5		1	NTU	5	E180.1	07/09/2005 6:03 PM

Result(s) reported meet(s) Regulatory Limit(s).
 Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.
 D.F. = Dilution Factor

Date Reported : 8/2/2005



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 : Marcia Allocco

Lab No. : 0507277-002

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

Federal ID : 5111891

Client ID. : 20891-002

Collected : 7/8/2005 9:20:00 AM

Point No: 076-408

Received : 7/8/2005 3:30:00 PM

Location: B-640 Water Tower

Collected By CLIENT

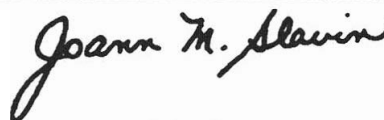
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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Calcium	9310		1	µg/L		E200.7	07/27/2005 11:07 AM

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.
D.F. = Dilution Factor

Date Reported : 8/2/2005



Laboratory Manager

BNLM163 A25

H2M LABS, INC.575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

Brookhaven National Lab.-BNLM

70 Bell Ave.

Upton, NY 11973

Attn To : Marcia Allocco

Federal ID 5111891

Collected : 7/8/2005 10:15:00 AM

Received : 7/8/2005 3:30:00 PM

Collected By : CLIENT

Copy : Original

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LABORATORY RESULTS

Lab No. : 0507277-003A

Client ID. : 20891-003

Sample Information...

Type : Potable Water

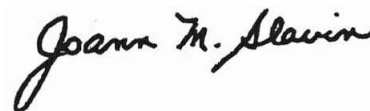
Origin : Distribution

Routine

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Method Number	Analyzed
Specific Conductance	126		1	µmhos/cm		E120.1	07/08/2005
PH (FIELD)	7.1		1	pH Units		E150.1	07/08/2005
Temperature	16		1	°C		E170.1	07/08/2005
Total Coliform	Negative		1		Negative	M9223	07/09/2005 12:00 PM
E_Coliform	Absent		1		Absent	M9223	07/09/2005 12:00 PM
Alkalinity, Total (As CaCO3)	15.6		1	mg/L		M2320 B	07/11/2005 12:23 PM
Total Residual Chlorine	0.6		1	mg/L		M4500-CI G	07/08/2005
Turbidity	2.3		1	NTU	5	E180.1	07/09/2005 6:04 PM

Result(s) reported meet(s) Regulatory Limit(s).
 Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.
 D.F. = Dilution Factor

Date Reported : 8/2/2005



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 : Marcia Allocco

Lab No. : 0507277-003

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

Federal ID : 5111891

Client ID. : 20891-003

Collected : 7/8/2005 10:15:00 AM

Point No: 109-19

Received : 7/8/2005 3:30:00 PM

Location: B-363 Apt.Laundry

Collected By CLIENT

Copy : Original

CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Calcium	5960		1	µg/L		E200.7	07/27/2005 11:15 AM

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.
D.F. = Dilution Factor

Date Reported : 8/2/2005

Joann M. Slavin

Laboratory Manager

BNLM163 A27

ATTACHMENT III

Brookhaven National Laboratory

Potable Water Supply

Annual and September 2005 Stage 1 Disinfectants & Disinfection Byproduct Rule

Monitoring Data and Bacteriological Analyses for the BNL Distribution System

Attachment III

**September 2005 Stage 1 Disinfectants & Disinfection Byproduct Rule Monitoring Data
Table II - Maximum Residual Disinfectant Level (MRDL) Compliance**

Location	Total Residual Chlorine (mg/L)											
	Oct. 04	Nov. 04	Dec. 04	Jan. 05	Feb. 05	Mar. 05	Apr. 05	May 05	June 05	July 05	Aug. 05	Sept. 05
Bldg. 49 Water Tower	0.8	0.8	0.5	0.7	2.0	0.9	0.7	0.9	0.9	0.7	0.9	0.5
Bldg. 640 Water Tower	0.6	0.5	0.5	0.6	0.6	0.9	0.8	0.9	1.5	0.5	0.8	0.7
Bldg. 363 Apt. Laundry	0.5	0.5	0.4	0.6	0.7	0.9	0.7	0.7	0.7	0.6	0.5	0.3
Bldg. 1005 RHIC	0.5	0.5	0.4	0.5	0.6	1.1	0.7	1.0	1.2	0.5	0.8	0.7
Bldg. 930 LINAC	NS	0.8	NS	0.6	NS	1.0	NS	0.8	NS	0.8	NS	0.8
Bldg. 725 NSLS	0.7	NS	0.5	NS	0.7	NS	1	NS	1.3	NS	0.8	NS
Bldg. 490 Outpatient Clinic	NS	0.7	NS	0.7	NS	0.5	NS	1.0	NS	0.5	NS	0.6
Bldg. 490 Block 11	NS	0.8	NS	0.6	NS	0.4	NS	0.3	NS	0.5	NS	0.3
Bldg. 490 Block 1 ACF	0.8	NS	0.5	NS	0.5	NS	0.3	NS	0.6	NS	0.7	NS
Bldg. 490 Block 4 MRC	0.7	NS	0.5	NS	0.7	NS	0.8	NS	1.1	NS	0.7	NS
Monthly Average	0.7	0.7	0.5	0.6	0.8	0.8	0.7	0.8	1.0	0.6	0.7	0.6

NA - Not Applicable

NS- Not Scheduled for sampling

Running Annual Average (mg/L) 0.7 (Total Residual Chlorine)
MRDL (mg/L) 4.0

2005 Annual Total Trihalomethane (TTHM) and Five Haloacetic Acid (HAA5) Compliance

2005 Annual TTHM Result (mg/L) 0.005
MCL (mg/L) 0.08

2005 Annual HAA5 Result (mg/L) 0.02
MCL (mg/L) 0.06

H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : Marcia Allocco

Lab No. : 0509291-001

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

Federal ID : 5111891

Client ID. : 20895-001

Collected : 9/9/2005 9:04:00 AM

Point No: 094-273

Received : 9/9/2005 3:15:00 PM

Location: B-49 Water Tower

Collected By CLIENT

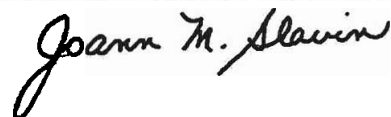
Copy : Original

CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		1		Negative	M9223	09/10/2005 12:00 PM
E_Coliform	Absent		1		Absent	M9223	09/10/2005 12:00 PM
Total Residual Chlorine	0.5		1	mg/L		M4500-CI G	09/09/2005

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.
D.F. = Dilution Factor

Date Reported : 10/4/2005



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 : Marcia Allocco

Lab No. : 0509291-002

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

Federal ID : 5111891

Client ID. : 20895-002

Collected : 9/9/2005 1:25:00 PM

Point No: 076-408

Received : 9/9/2005 3:15:00 PM

Location: B-640 Water Tower

Collected By CLIENT

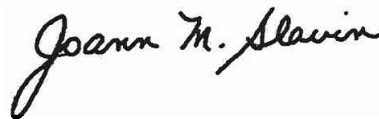
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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		1		Negative	M9223	09/10/2005 12:00 PM
E_Coliform	Absent		1		Absent	M9223	09/10/2005 12:00 PM
Total Residual Chlorine	0.7		1	mg/L		M4500-CI G	09/09/2005

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted
D.F. = Dilution Factor

Date Reported : 10/4/2005



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 : Marcia Allocco

Lab No. : 0509291-004

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

Federal ID : 5111891

Client ID. : 20895-004

Collected : 9/9/2005 8:53:00 AM

Point No: 109-19

Received : 9/9/2005 3:15:00 PM

Location: B-363 Apt.Laundry

Collected By CLIENT

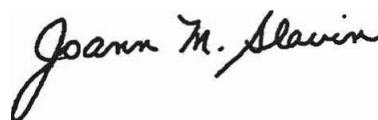
Copy : Original

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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		1		Negative	M9223	09/10/2005 12:00 PM
E_Coliform	Absent		1		Absent	M9223	09/10/2005 12:00 PM
Total Residual Chlorine	0.3		1	mg/L		M4500-CI G	09/09/2005

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.
D.F. = Dilution Factor

Date Reported : 10/4/2005



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 : Marcia Allocco

Lab No. : 0509291-003

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

Federal ID : 5111891

Client ID. : 20895-003

Collected : 9/9/2005 1:30:00 PM

Point No: 045-12

Received : 9/9/2005 3:15:00 PM

Location: B-1005 RHIC

Collected By CLIENT

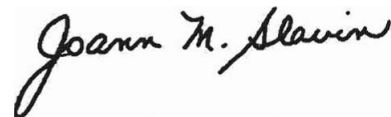
Copy : Original

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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		1		Negative	M9223	09/10/2005 12:00 PM
E_Coliform	Absent		1		Absent	M9223	09/10/2005 12:00 PM
Total Residual Chlorine	0.7		1	mg/L		M4500-CI G	09/09/2005

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.
D.F. = Dilution Factor

Date Reported : 10/4/2005



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 : Marcia Allocco

Lab No. : 0509291-005

Sample Information...

Type : Potable Water

Origin: Distribution

Federal ID : 5111891

Client ID. : 20895-005

Collected : 9/9/2005 1:00:00 PM

Point No: 054-187

Received : 9/9/2005 3:15:00 PM

Location: B-930 LINAC

Collected By CLIENT

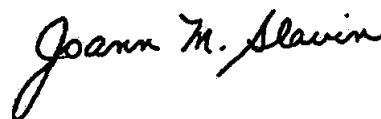
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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		1		Negative	M9223	09/10/2005 12:00 PM
E_Coliform	Absent		1		Absent	M9223	09/10/2005 12:00 PM
Total Residual Chlorine	0.8		1	mg/L		M4500-Cl G	09/09/2005

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.
D.F. = Dilution Factor

Date Reported : 10/4/2005



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 : Marcia Allocco

Lab No. : 0509291-006

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

Federal ID : 5111891

Client ID. : 20895-006

Collected : 9/9/2005 1:05:00 PM

Point No: 084-70

Received : 9/9/2005 3:15:00 PM

Location: B-490 Outpatient Clinic

Collected By CLIENT

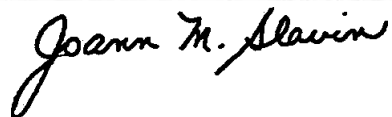
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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		1		Negative	M9223	09/10/2005 12:00 PM
E_Coliform	Absent		1		Absent	M9223	09/10/2005 12:00 PM
Total Residual Chlorine	0.6		1	mg/L		M4500-Cl G	09/09/2005

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.
D.F. = Dilution Factor

Date Reported : 10/4/2005



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 : Marcia Allocco

Lab No. : 0509291-007

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

Federal ID : 5111891

Client ID. : 20895-007

Collected : 9/9/2005 1:15:00 PM

Point No: 084-67

Received : 9/9/2005 3:15:00 PM

Location: B-490 Block 11

Collected By CLIENT

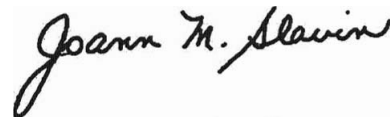
Copy : Original

CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		1		Negative	M9223	09/10/2005 12:00 PM
E_Coliform	Absent		1		Absent	M9223	09/10/2005 12:00 PM
Total Residual Chlorine	0.3		1	mg/L		M4500-CI G	09/09/2005

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.
D.F. = Dilution Factor

Date Reported : 10/4/2005



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 : Marcia Allocco

Lab No. : 0509291-008

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

Federal ID : 5111891

Client ID. : 20895-013

Collected : 9/9/2005 1:20:00 PM

Point No: 084-67

Received : 9/9/2005 3:15:00 PM

Location: B-490 Block 11 - Duplicate

Collected By CLIENT

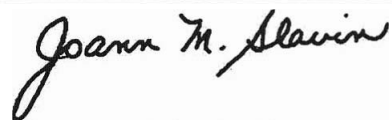
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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		1		Negative	M9223	09/10/2005 12:00 PM
E_Coliform	Absent		1		Absent	M9223	09/10/2005 12:00 PM
Total Residual Chlorine	0.3		1	mg/L		M4500-CI G	09/09/2005

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.
D.F. = Dilution Factor

Date Reported : 10/4/2005



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 : Marcia Allocco

Lab No. : 0508187-004

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

Federal ID : 5111891

Client ID. : 20894-004

Collected : 8/5/2005 9:15:00 AM

Point No: 109-19

Received : 8/5/2005 3:10:00 PM

Location: B-363 Apt.Laundry

Collected By CLIENT

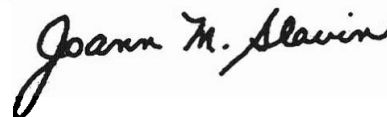
Copy : Original

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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Chloroform	< 0.5		1	µg/L	50	E510.1	08/06/2005 1:50 AM
Bromodichloromethane	< 0.5		1	µg/L	50	E510.1	08/06/2005 1:50 AM
Dibromochloromethane	< 0.5		1	µg/L	50	E510.1	08/06/2005 1:50 AM
Bromoform	< 0.5		1	µg/L	50	E510.1	08/06/2005 1:50 AM
Total Trihalomethanes	< 0.5		1	µg/L	80	E510.1	08/06/2005 1:50 AM

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.
D.F. = Dilution Factor

Date Reported : 8/30/2005



Laboratory Manager

BNLM164 A22

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 : Marcia Allocco

Federal ID 5111891

Collected : 8/5/2005 9:15:00 AM

Received : 8/5/2005 3:10:00 PM

Collected By : CLIENT

Copy : Original

CC

Lab No. : 0508187-004A

Client ID. : 20894-004

Sample Information...

Type : Potable Water

Origin : Distribution

Routine

Point No : 109-19

Location : B-363 Apt.Laundry

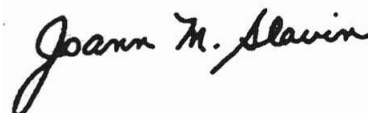
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Chloroacetic acid	< 2.0		1	µg/L		E552.2	08/24/2005 11:59 PM
Bromoacetic acid	< 1.0		1	µg/L		E552.2	08/24/2005 11:59 PM
Dichloroacetic acid	< 1.0		1	µg/L		E552.2	08/24/2005 11:59 PM
Trichloroacetic acid	< 1.0		1	µg/L		E552.2	08/24/2005 11:59 PM
Dibromoacetic acid	< 2.0		1	µg/L		E552.2	08/24/2005 11:59 PM
Total Haloacetic Acid	< 2.0		1	µg/L	60	E552.2	08/24/2005 11:59 PM

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

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

D.F. = Dilution Factor

Date Reported : 8/30/2005



Laboratory Manager

BNLM164 A23

ATTACHMENT IV

Brookhaven National Laboratory

Potable Water Supply

**2005 Semi-Annual Inorganic and Nitrate/Nitrite Analyses
for the BNL Distribution System**

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 : Marcia Allocco

Federal ID 5111891

Collected : 7/8/05 8:50:00 AM

Received : 7/8/05 3:30:00 PM

Collected By : CLIENT

Copy : Original

CC

Lab No. : 0507277-008A

Client ID. : 20891-008

Sample Information...

Type : Potable Water

Origin : Distribution

Routine

Point No : 085-294

Location : B-185 Personnel

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Method Number	Analyzed
Barium	< 200		1	µg/L	2000	E200.7	07/27/2005 11:22 AM
Beryllium	< 3.0		1	µg/L	4	E200.7	07/27/2005 11:22 AM
Cadmium	< 5.0		1	µg/L	5	E200.7	07/27/2005 11:22 AM
Chromium	< 10		1	µg/L	100	E200.7	07/27/2005 11:22 AM
* Iron	* 856		1	µg/L	300	E200.7	07/27/2005 11:22 AM
Manganese	13.2		1	µg/L	300	E200.7	07/27/2005 11:22 AM
Nickel	< 40.0		1	µg/L	100	E200.7	07/27/2005 11:22 AM
Silver	< 10		1	µg/L	100	E200.7	07/27/2005 11:22 AM
Sodium	14300		1	µg/L		E200.7	07/27/2005 11:22 AM
Zinc	< 20.0		1	µg/L	5000	E200.7	07/27/2005 11:22 AM
Arsenic	< 3.00		1	ug/l	50	E200.8	08/02/2005 4:11 PM
Lead	< 1.00		1	ug/l	15	E200.8	08/02/2005 4:11 PM
Selenium	< 5.00		1	ug/l	50	E200.8	08/02/2005 4:11 PM
Antimony	< 5.90		1	ug/l	6	E200.8	08/02/2005 4:11 PM
Thallium	< 1.90		1	ug/l	2	E200.8	08/02/2005 4:11 PM
Mercury	< 0.20		1	ug/l	2	E200.8	08/02/2005 4:11 PM
Chloride	28.7		1	mg/L	250	E325.2	07/11/2005 4:52 PM
Cyanide	< 10		1	µg/L	200	M4500-CN CE	07/13/2005 9:48 AM
* Color	* 30		1	units	15	E110.2	07/09/2005 6:02 PM
Specific Conductivity	179		1	µmhos/cm		M2510 B	07/11/2005 5:45 PM
Fluoride	< 0.10		1	mg/L	2.2	M4500F C	07/15/2005 10:40 AM
MBAS	< 0.08		1	mg/L		E425.1	07/09/2005 6:33 PM
Nitrogen, Ammonia (As N)	< 0.10		1	mg/L		E350.1	07/13/2005 3:33 PM
Nitrite as N	< 0.10		1	mg/L	1	E353.2	07/09/2005 2:20 PM
Nitrate as N	0.31		1	mg/L	10	E353.2	07/13/2005 10:02 AM
Odor	0		1	units	3	E140.1	07/09/2005 6:01 PM
pH	7.0		1	pH Units		E150.1	07/08/2005 5:01 PM
Sulfate	11.2		1	mg/L	250	E375.4	07/11/2005 1:58 PM

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

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

D.F. = Dilution Factor

Date Reported : 8/2/05



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 : Marcia Allocco

Lab No. : 0507277-008

Sample Information...

Type : Potable Water

Origin: Distribution

Federal ID : 5111891

Client ID. : 20891-008

Collected : 7/8/2005 8:50:00 AM

Point No: 085-294

Received : 7/8/2005 3:30:00 PM

Location: B-185 Personnel

Collected By CLIENT

Copy : Original

CC

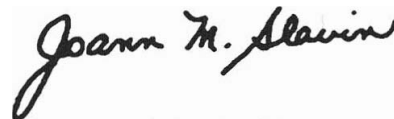
Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Method Number	Analyzed
Chloride	28.7		1	mg/L	250	E325.2	07/11/2005 4:52 PM
* Color	* 30		1	units	15	E110.2	07/09/2005 6:02 PM
Specific Conductivity	179		1	µmhos/cm		M2510 B	07/11/2005 5:45 PM
Fluoride	< 0.10		1	mg/L	2.2	M4500F C	07/15/2005 10:40 AM
MBAS	< 0.08		1	mg/L		E425.1	07/09/2005 6:33 PM
Nitrogen, Ammonia (As N)	< 0.10		1	mg/L		E350.1	07/13/2005 3:33 PM
Nitrite as N	< 0.10		1	mg/L	1	E353.2	07/09/2005 2:20 PM
Nitrate as N	0.31		1	mg/L	10	E353.2	07/13/2005 10:02 AM
Odor	0		1	units	3	E140.1	07/09/2005 6:01 PM
pH	7.0		1	pH Units		E150.1	07/08/2005 5:01 PM
Sulfate	11.2		1	mg/L	250	E375.4	07/11/2005 1:58 PM

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

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

D.F. = Dilution Factor

Date Reported : 8/1/2005



Laboratory Manager