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for the U.S. Department of Energy

January 9, 2006

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 December 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:

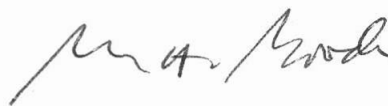
- Attachment I: BNL Potable Water Monthly Operational Data for December 2005.
- Attachment II: December 2005 Biweekly Water Quality Monitoring Data for the BNL Distribution System and Potable Water Wells.
- Attachment III: December 2005 Stage 1 Disinfectants & Disinfection Byproduct Rule Monitoring Data and Bacteriological Analyses for the BNL Distribution System.

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 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

File: EC61ER.06

ATTACHMENT I

Brookhaven National Laboratory

Potable Water Supply

**Monthly Operational Data for December 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: DECEMBER 2005
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LOCATION: **Water Treatment Facility**

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

Source: Ground Water

Does the system have a chlorination waiver? YES NO

Day of month	CHLORINATION			pH		Totalizer
	Treated Water	Liquid Sodium Hypochlorite	Free Cl ₂ Residual	<input checked="" type="checkbox"/> Lime Sodium Hydroxide	Daily Totalizer	
	K Gals	Gallons per 24hrs	mg/l			
1	688	150	10	0.73	7.6	221090
2	792	143	7	0.83	7.6	221882
3	0					
4	0					
5	1,926	122	21	1.00	7.7	223808
6	475	120	2	0.95	7.9	224283
7	629	112	8	1.00	7.6	224912
8	759	105	7	1.00	7.5	225671
9	522	100	5	0.84	7.5	226193
10	0					
11	0					
12	1,666	80	20	0.90	7.7	227859
13	624	75	5	0.33	7.5	228483
14	487	70	5	1.10	6	228970
15	482	65	5	0.25	6.1	229452
16	545	60	5	0.58	6.1	229997
17	0					
18	0					
19	1,521	43	17	1.00	7.6	231518
20	506	39+70	4	0.90	7.7	232024
21	563	103	6	0.80	7.5	232587
22	467	100	3	0.85	7.6	233054
23	585	95	5	1.10	7.6	233639
24	477	90	5	0.95	7.5	234116
25	0					
26	0					
27	1,787	75	15	0.67	7.8	235903
28	772	70	5	0.78	7.5	236675
29	717	65	5	0.89	7.7	237392
30	830	125+65	5	1.30	7.6	238222
31	0					
TOT	17,820		170			
AVG.	574.84		5.48	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: *Scipio*

Date: 1-3-06

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: DECEMBER

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
	Treated Water	Liquid Sodium Hypochlorite		Free Cl2 Residual	Lime Sodium Hydroxide	Totalizer	
		K Gals	Gallons				
1	0	0	0	NR	NR	1648622	
2	0	0	0	NR	NR	1648622	
3	0						
4	0						
5	0	0	0	NR	NR	1648622	
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	0	0	NR	NR	1648622	
25	0						
26	0						
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:	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. L. ...*

Date: 1-3-06

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: DECEMBER 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	230	114	3	0.26	6	592562	
2	127	110	4	0.00	6	592689	
3	0						
4	0						
5	557	108+42	2	NR	6	593246	
6	144	147	3	2.00	5.9	593390	
7	186	147	0	0.17	6	593576	
8	264	147	0	0.20	6	593840	
9	162	147	0	0.27	6	594002	
10	0						
11	0						
12	371	135	12	0.31	6	594373	
13	202	135	0	0.00	6	594575	
14	158	135	0	1.10	6	594733	
15	147	130	5	0.25	6.1	594880	
16	157	123	7	0.58	6.1	595037	
17	0						
18	0						
19	388	105	18	1.40	6	595425	
20	182	93	12	0.40	6.1	595607	
21	163	89+55	4	0.80	6.1	595770	
22	140	138	6	0.83	6.1	595910	
23	166	126	12	0.46	6.1	596076	
24	126	120	6	0.40	6.1	596202	
25	0						
26	0						
27	523	90	30	1.00	6.2	596725	
28	403	72	18	0.78	6.1	597128	
29	206	66+84	6	0.80	6.1	597334	
30	287	135	15	1.30	6	597621	
31	0						
TOT	5,289		163				
AVG.	170.61		5.26	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 2

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: 1-3-06

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: DECEMBER 2005
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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		
		Gallons	Cl2 use per 24hrs		___	___	
1	684	90	6	0.26	6	1829053	
2	736	90	0	0.00	6	1830473	
3	0						
4	0						
5	1,914	48+102	42	NR	6	1832387	
6	468	135	15	2.00	5.9	1832855	
7	612	126	9	0.17	6	1833467	
8	703	108	18	0.20	6	1834170	
9	601	90+60	18	0.27	6	1834771	
10	0						
11	0						
12	2,856	78	32	0.31	6	1837627	
13	633	63	15	0.00	6	1838260	
14	528	50	13	1.10	6	1838788	
15	545	42+108=150	8	0.25	6.1	1839333	
16	509	140	10	0.58	6.1	1839842	
17	0						
18	0						
19	1,506	102	38	1.40	6	1841348	
20	576	84	18	0.40	6.1	1841924	
21	563	72+78	12	0.80	6.1	1842487	
22	540	141	9	0.83	6.1	1843027	
23	534	126	15	0.46	6.1	1843561	
24	446	111	15	0.40	6.1	1844007	
25	0						
26	0						
27	1,725	66	45	1.00	6.2	1845732	
28	890	45	21	0.78	6.1	1846622	
29	719	33+117	12	0.80	6.1	1847341	
30	750	135	15	1.30	6	1848091	
31	0						
TOT	19,038		386				
AVG.	614.13		12.45	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 Row*

Date: 1-3-06

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: DECEMBER 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 771680
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide	Totalizer	
		Gallons	Cl2 use per 24hrs				
1	0	0	0	NR	NR	771680	
2	0	0	0	NR	NR	771680	
3	0						
4	0						
5	0	0	0	NR	NR	771680	
6	0	0	0	NR	NR	771680	
7	0	0	0	NR	NR	771680	
8	0	0	0	NR	NR	771680	
9	0	0	0	NR	NR	771680	
10	0						
11	0						
12	0	0	0	NR	NR	771680	
13	0	0	0	NR	NR	771680	
14	0	0	0	NR	NR	771680	
15	0	0	0	NR	NR	771680	
16	0	0	0	NR	NR	771680	
17	0						
18	0						
19	0	0	0	NR	NR	771680	
20	0	0	0	NR	NR	771680	
21	0	0	0	NR	NR	771680	
22	0	0	0	NR	NR	771680	
23	0	0	0	NR	NR	771680	
24	0	0	0	NR	NR	771680	
25	0						
26	0						
27	0	0	0	NR	NR	771680	
28	0	0	0	NR	NR	771680	
29	0	0	0	NR	NR	771680	
30	0	0	0	NR	NR	771680	
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: JC Swan

Date: 1-3-06

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: DECEMBER 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 722176
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide	Totalizer	
		Gallons	Cl2 use per 24hrs				
1	0	69	0	NR	NR	722176	
2	0	69	0	NR	NR	722176	
3	0						
4	0						
5	0	69	0	NR	NR	722176	
6	0	69	0	NR	NR	722176	
7	0	69	0	NR	NR	722176	
8	0	63	0	NR	NR	722176	
9	0	63	0	NR	NR	722176	
10	0						
11	0						
12	0	63	0	NR	NR	722176	
13	0	69	0	NR	NR	722176	
14	0	69	0	NR	NR	722176	
15	0	69	0	NR	NR	722176	
16	0	69	0	NR	NR	722176	
17	0						
18	0						
19	0	69	0	NR	NR	722176	
20	0	69	0	NR	NR	722176	
21	0	69	0	NR	NR	722176	
22	0	69	0	NR	NR	722176	
23	0	69	0	NR	NR	722176	
24	0	69	0	NR	NR	722176	
25	0						
26	0						
27	0	69	0	NR	NR	722176	
28	0	69	0	NR	NR	722176	
29	0	69	0	NR	NR	722176	
30	0	69	0	NR	NR	722176	
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 Rivers*

Date: 1-3-06

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: DECEMBER 2005
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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 786405
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide	Totalizer	
		Gallons	Cl2 use per 24hrs				
1	0	60	0	NR	NR	786405	
2	0	60	0	NR	NR	786405	
3	0						
4	0						
5	0	60	0	NR	NR	786405	
6	0	60	0	NR	NR	786405	
7	0	60	0	NR	NR	786405	
8	0	60	0	NR	NR	786405	
9	0	60	0	NR	NR	786405	
10	0						
11	0						
12	0	60	0	NR	NR	786405	
13	0	60	0	NR	NR	786405	
14	0	60	0	NR	NR	786405	
15	0	60	0	NR	NR	786405	
16	0	60	0	NR	NR	786405	
17	0						
18	0						
19	0	60	0	NR	NR	786405	
20	0	60	0	NR	NR	786405	
21	0	60	0	NR	NR	786405	
22	0	60	0	NR	NR	786405	
23	0	60	0	NR	NR	786405	
24	0	60	0	NR	NR	786405	
25	0						
26	0						
27	0	60	0	NR	NR	786405	
28	0	60	0	NR	NR	786405	
29	0	60	0	NR	NR	786405	
30	0	60	0	NR	NR	786405	
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: *ML*

Date: 1-3-06

Title: Water Systems Supervisor

Certification No. NY0031941

12/30/2005
 Pump Data

MONTHLY GALLONAGE REPORT
 DECEMBER2005.XLS

Date	Well 4	Well 6	Well 7	Well10	Well11	Well12	Daily Total
1	0	230	684	0	0	0	914
2	0	127	736	0	0	0	863
3	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0
5	0	557	1,914	0	0	0	2,471
6	0	144	468	0	0	0	612
7	0	186	612	0	0	0	798
8	0	264	703	0	0	0	967
9	0	162	601	0	0	0	763
10	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0
12	0	371	2,856	0	0	0	3,227
13	0	202	633	0	0	0	835
14	0	158	528	0	0	0	686
15	0	147	545	0	0	0	692
16	0	157	509	0	0	0	666
17	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0
19	0	388	1,506	0	0	0	1,894
20	0	182	576	0	0	0	758
21	0	163	563	0	0	0	726
22	0	140	540	0	0	0	680
23	0	166	534	0	0	0	700
24	0	126	446	0	0	0	572
25	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0
27	0	523	1,725	0	0	0	2,248
28	0	403	890	0	0	0	1,293
29	0	206	719	0	0	0	925
30	0	287	750	0	0	0	1,037
31	0	0	0	0	0	0	0
Total	0	5,289	19,038	0	0	0	24,327
			Totalizer This Month		Totalizer Last Month		Total(x1,000) Gallons
	Well 4		1,648,622		1,648,622		0
	Well 6		597,621		592,332		5,289
	Well 7		1,848,091		1,829,053		19,038
	Well 10		771,680		771,680		0
	Well 11		722,176		722,176		0
	Well 12		786,405		786,405		0
AGS Water Supply Meter			555,569		555,569		0.00
Medical Reactor - Well 105							0.00
Biology Building - Well 9			6,793,930		6,793,050		0.88

ATTACHMENT II

Brookhaven National Laboratory

Potable Water Supply

**December 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
December 2005

Sample Location	Sample Date	pH (SU)	Temperature (Degrees F)	Conductivity (μ mhos)	Alkalinity (mg/L)	Calcium (mg/L)
WTP	12/1/05	7.6	54	150	ANR	ANR
WTP	12/6/05	7.6	55	152	ANR	ANR
WTP	12/8/05	7.5	55	148	ANR	ANR
WTP	12/13/05	7.5	53	146	ANR	ANR
WTP	12/20/05	7.7	55	148	ANR	ANR
WTP	12/22/05	7.6	53	151	ANR	ANR
WTP	12/27/05	7.8	61	159	ANR	ANR
WTP	12/29/05	7.6	55	151	ANR	ANR

ANR- Analysis Not Required

NR- Not Reported

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

ATTACHMENT III

Brookhaven National Laboratory

Potable Water Supply

December 2005 Stage 1 Disinfectants & Disinfection Byproduct Rule

Monitoring Data and Bacteriological Analyses for the BNL Distribution System

Attachment III

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

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

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : **0512276-001**

Sample Information...
Type : Potable Water

Origin: Distribution

Client ID. : 21962-001

Collected 12/9/2005 11:22:00 AM
Received 12/9/2005 3:30:00 PM
Collected By CLIENT
Copies To Original
CC

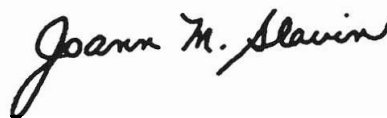
Bldg 49 Water Tower

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		1		Negative M9223	12/10/2005 12:00 PM
E_Coliform	Absent		1		Absent M9223	12/10/2005 12:00 PM
Total Residual Chlorine	0.9		1	mg/L	M4500-Cl G	12/09/2005

Qualifiers: E - Value above quantitation range
D - Results for Dilution

D.F. = Dilution Factor

Date Reported : 12/14/2005



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 : Bob Lee

Lab No. : 0512276-002

Sample Information...
Type : Potable Water

Origin: Distribution

Client ID. : 21962-002

Collected 12/9/2005 9:35:00 AM
Received 12/9/2005 3:30:00 PM
Collected By CLIENT
Copies To Original
CC

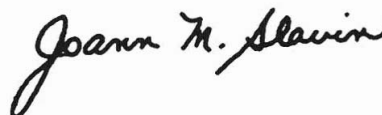
Bldg. 640 Water tower

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		1		Negative M9223	12/10/2005 12:00 PM
E_Coliform	Absent		1		Absent M9223	12/10/2005 12:00 PM
Total Residual Chlorine	0.4		1	mg/L	M4500-Cl G	12/09/2005

Qualifiers: E - Value above quantitation range
D - Results for Dilution

D.F. = Dilution Factor

Date Reported : 12/14/2005



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 : Bob Lee

Lab No. : 0512276-004

Sample Information...
Type : Potable Water

Origin: Distribution

Client ID. : 21962-004

Collected 12/9/2005 8:55:00 AM
Received 12/9/2005 3:30:00 PM
Collected By CLIENT
Copies To Original
CC

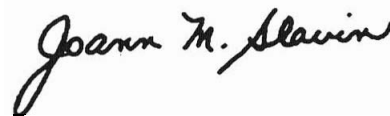
Bldg. 363 Apt. Laundry

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

Qualifiers: E - Value above quantitation range
D - Results for Dilution

D.F. = Dilution Factor

Date Reported : 12/14/2005



Laboratory Manager

170 A13

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0512276-003

Sample Information...
Type : Potable Water

Origin: Distribution

Client ID. : 21962-003

Collected 12/9/2005 9:25:00 AM
Received 12/9/2005 3:30:00 PM
Collected By CLIENT
Copies To Original
CC

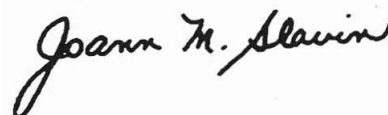
Bldg 1005 RHIC

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

Qualifiers: E - Value above quantitation range
D - Results for Dilution

D.F. = Dilution Factor

Date Reported : 12/14/2005



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 : Bob Lee

Lab No. : **0512276-005**

Sample Information...
Type : Potable Water

Origin: Distribution

Client ID. : 21962-005

Collected 12/9/2005 9:10:00 AM
Received 12/9/2005 3:30:00 PM
Collected By CLIENT
Copies To Original
CC

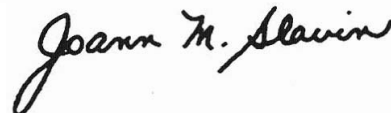
Bldg 725 NSLS

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		1		Negative M9223	12/10/2005 12:00 PM
E_Coliform	Absent		1		Absent M9223	12/10/2005 12:00 PM
Total Residual Chlorine	0.4		1	mg/L	M4500-Cl G	12/09/2005

Qualifiers: E - Value above quantitation range
D - Results for Dilution

D.F. = Dilution Factor

Date Reported : 12/14/2005



Laboratory Manager

BNLM170 A14

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0512276-006

Sample Information...
Type : Potable Water

Origin: Distribution

Client ID. : 21962-006

Collected 12/9/2005 10:45:00 AM
Received 12/9/2005 3:30:00 PM
Collected By CLIENT
Copies To Original
CC

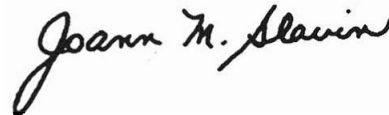
Bldg 490 Block 1 ACF

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

Qualifiers: E - Value above quantitation range
D - Results for Dilution

D.F. = Dilution Factor

Date Reported : 12/14/2005



Laboratory Manager

NLM

H2M LABS, INC.

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

LABORATORY RESULTS

Lab No. : **0512276-008**

Sample Information:
Type : Potable Water

Brookhaven National Lab.-BNLM
70 Bell Ave.

Upton, NY 11973

Attn To : Bob Lee

Client ID. : 21962-008

Origin: Distribution

Collected 12/9/2005 9:35:00 AM
Received 12/9/2005 3:30:00 PM
Collected By CLIENT
Copies To Original
CC

Bldg 490 Block 4 MRG

Parameter(s)	Results	Qualifier	D.F.	Units	Method Number	Analyzed
Total Coliform	Negative		1		M9223	12/10/2005 12:00 PM
E_Coliform	Absent		1		M9223	12/10/2005 12:00 PM
Total Residual Chlorine	0.4		1	mg/L	M4500-C1 G	12/09/2005

Qualifiers: E - Value above quantitation range

D - Results for Dilution

D.F. = Dilution Factor

Date Reported : 12/14/2005

Jeanne M. Slavin
Laboratory Manager