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for the U.S. Department of Energy

May 10, 2005

Ms. Kathleen Newcomer
Suffolk County Department of Health Services
Bureau of Drinking Water
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 April 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 April.
- Attachment II: April 2005 Biweekly Quarter Water Quality Monitoring Data for the BNL Distribution System.
- Attachment III: April 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.



REGISTERED TO
ISO 14001: 1996

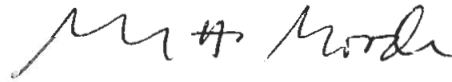


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May 10, 2005

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.05

ATTACHMENT I

Brookhaven National Laboratory

Potable Water Supply

Monthly Operational Data for April 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: APRIL 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
	Treated Water	Liquid Sodium Hypochlorite Gallons	Free Cl2 use Residual	Free Cl2 Residual	Lime Sodium Hydroxide	7234	
	K Gals	150	per 24hrs	mp/l			
1	818	142	8	0.78	7.5	8052	
2	0						
3	0						
4	3,512	123	19	1.10	7.3	11564	
5	1,441	121	2	0.89	7.3	13005	
6	1,470	120	1	0.84	7.2	14475	
7	1,423	118	2	0.80	7.3	15898	
8	1,467	110+50	8	0.90	7.4	17365	
9	0						
10	0						
11	3,385	146	14	0.65	7.6	20750	
12	1,023	140	6	0.80	7.6	21773	
13	1,006	130	10	0.56	7.6	22779	
14	1,085	120	10	0.99	7.6	23864	
15	985	110	10	1.00	7.8	24849	
16	0						
17	0						
18	3,087	96	14	1.00	7.5	27936	
19	1,106	90	6	0.92	7.5	29042	
20	1,270	79	11	0.77	7.5	30312	
21	1,383	70	9	1.00	7.5	31695	
22	1,308	62+88	8	0.90	7.6	33003	
23	0						
24	0						
25	3,539	190	10	0.77	7.8	36542	
26	635	190	0	1.19	7.8	37177	
27	520	150	40	1.20	7.8	37697	
28	1,260	140	10	1.45	8.1	38957	
29	930	140	0	0.77	7.8	39887	
30	0						
31	0						
TOT	32,653		198				
AVG	1088.43		6.60	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: La. Clark

Date: 5-5-05

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: APRIL 2005
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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 1648622
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl ₂ Residual mg/l	Lime Sodium Hydroxide		
		Gallons	Cl ₂ use per 24hrs				
1	0	0	0	NR	NR	1648622	
2	0						
3	0						
4	0	0	0	NR	NR	1648622	
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						
10	0						
11	0	0	0	NR	NR	1648622	
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						
17	0						
18	0	0	0	NR	NR	1648622	
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						
24	0						
25	0	0	0	NR	NR	1648622	
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						
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: *J. De Rose*

Date: 5-5-05

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: APRIL

2005

LOCATION: WELL NO. 6

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

Source: Ground Water

Does the system have a chlorination waiver? YES NO

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer
	Treated Water	Liquid Sodium Hypochlorite		Free Cl2 Residual	Lime Sodium Hydroxide	Totalizer	
		Gallons	Cl2 use per 24hrs				
1	435	100+50	8	0.60	6.1	531005	
2	0						
3	0						
4	1,007	120	30	1.30	6.4	532012	
5	344	110	10	1.20	6	532356	
6	891	81	29	1.20	6.1	533247	
7	658	57	24	0.90	6	533905	
8	690	40+90	17	1.20	6.1	534595	
9	0						
10	0						
11	1,409	87	43	0.54	6.1	536004	
12	488	75	12	0.57	6.2	536492	
13	430	66	9	0.03	6.2	536922	
14	452	66+57	0	0.67	6.2	537374	
15	392	114	9	0.26	6.1	537766	
16	0						
17	0						
18	1,272	42	72	0.37	6.2	539038	
19	379	31	11	0.18	6	539417	
20	512	31+62	0	0.01	6.1	539929	
21	507	69	24	0.35	6	540436	
22	344	57+93	12	0.18	6.2	540780	
23	0						
24	0						
25	1,014	123	27	0.03	6.1	541794	
26	259	117	6	0.03	6.2	542053	
27	39	117	0	0.73	6.2	542092	
28	417	102+48	15	1.11	6.2	542509	
29	226	141	9	0.77	6.1	542735	
30	0						
31	0						
TOT	12,165		367				
AVG.	405.50		12.23	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: 5-5-05

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: APRIL

2005

LOCATION: WELL NO. 7

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

Source: Ground Water

Does the system have a chlorination waiver? YES NO

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer
	Treated Water	Liquid Sodium Hypochlorite		Free Cl ₂ Residual	Lime Sodium Hydroxide	1632385	
	K Gals	Gallons	Cl ₂ use per 24hrs	mg/l	6.1		
1	805	85+65	20	0.60	6.1	1633190	
2	0						
3	0						
4	3,120	60	90	1.30	6.4	1636310	
5	1,316	25+150	36	1.20	6	1637626	
6	1,339	114	36	1.20	6.1	1638965	
7	1,301	84	30	0.90	6	1640266	
8	1,331	60+90	14	1.20	6.1	1641597	
9	0						
10	0						
11	2,943	93	57	0.54	6.1	1644540	
12	977	72	21	0.57	6.2	1645517	
13	921	54	18	0.03	6.2	1646438	
14	980	30+120	24	0.67	6.2	1647418	
15	885	132	18	0.26	6.1	1648303	
16	0						
17	0						
18	2,744	75	57	0.37	6.2	1651047	
19	1,028	54	21	0.18	6	1652075	
20	1,089	33+117	21	0.01	6.1	1653164	
21	1,222	123	27	0.35	6	1654386	
22	1,192	115+35	8	0.02	6.2	1655578	
23	0						
24	0						
25	3,129	120	30	0.03	6.1	1658707	
26	763	120	0	0.03	6.1	1659470	
27	510	112	8	0.73	6.3	1659980	
28	1,167	92+58	20	1.11	6.2	1661147	
29	905	132	18	0.77	6.1	1662052	
30	0						
31	0						
TOT	29,667		574				
AVG.	988.90		19.13	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: *JV New*

Date: 3-5-05

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: APRIL

2005

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		Daily Totalizer 771006
	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	771006	
2	0						
3	0						
4	0	0	0	NR	NR	771006	
5	0	0	0	NR	NR	771006	
6	0	0	0	NR	NR	771006	
7	0	0	0	NR	NR	771006	
8	0	0	0	NR	NR	771006	
9	0						
10	0						
11	63	0	0	NR	NR	771069	
12	0	0	0	NR	NR	771069	
13	0	0	0	NR	NR	771069	
14	0	0	0	NR	NR	771069	
15	0	0	0	NR	NR	771069	
16	0						
17	0						
18	0	0	0	NR	NR	771069	
19	0	0	0	NR	NR	771069	
20	0	0	0	NR	NR	771069	
21	70	0	0	NR	NR	771139	
22	0	0	0	NR	NR	771139	
23	0						
24	0						
25	0	0	0	NR	NR	771139	
26	0	0	0	NR	NR	771139	
27	0	0	0	NR	NR	771139	
28	0	0	0	NR	NR	771139	
29	0	0	0	NR	NR	771139	
30	0						
31	0						
TOT	133		0				
AVG.	4.43		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: J. A. Ray

Date: 5-5-05

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: APRIL 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 K Gals	Liquid Sodium Hypochlorite		Free Cl ₂ Residual mg/l	Lime Sodium Hydroxide	Totalizer	
		Gallons	Cl ₂ use per 24hrs				
1	0	141	0	NR	NR	628929	
2	0						
3	0						
4	0	141	0	NR	NR	628929	
5	0	141	0	0.60	7.3	628929	
6	2	141	0	NR	NR	628931	
7	0	141	0	0.49	7.4	628931	
8	6	141	0	NR	NR	628937	
9	0						
10	0						
11	7	138	3	NR	NR	628944	
12	0	138	0	NR	NR	628944	
13	0	138	0	NR	NR	628944	
14	0	138	0	NR	NR	628944	
15	0	138	0	0.51	7.3	628944	
16	0						
17	0						
18	0	138	0	NR	NR	628944	
19	0	138	0	NR	NR	628944	
20	0	138	0	NR	NR	628944	
21	0	138	0	NR	NR	628944	
22	0	138	0	NR	NR	628944	
23	0						
24	0						
25	0	138	0	NR	NR	628944	
26	0	138	0	NR	NR	628944	
27	389	111	27	NR	NR	629333	
28	213	110+40	1	0.63	7.4	629546	
29	1,038	129	21	NR	NR	630584	
30	0						
31	0						
TOT	1,655		52				
AVG.	55.17		1.73	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 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: *L. C. King*

Date: 5-5-05

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: APRIL 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
	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	736493	
2	0						
3	0						
4	0	81	0	NR	NR	736493	
5	0	81	0	0.75	7.4	736493	
6	3	81	0	NR	NR	736496	
7	0	81	0	0.70	7.4	736496	
8	1	81	0	NR	NR	736497	
9	0						
10	0						
11	8	78	3	NR	NR	736505	
12	1	78	0	NR	NR	736506	
13	5	78	0	NR	NR	736511	
14	1	78	0	0.51	7.3	736512	
15	0	78	0	NR	NR	736512	
16	0						
17	0						
18	0	78	0	NR	NR	736512	
19	0	78	0	NR	NR	736512	
20	0	78	0	NR	NR	736512	
21	77	78	0	NR	NR	736589	
22	305	75	3	NR	NR	736894	
23	0						
24	0						
25	154	75	0	NR	NR	737048	
26	4	75	0	NR	NR	737052	
27	0	72	0	NR	NR	737052	
28	0	72	0	NR	NR	737052	
29	0	0	0	NR	NR	737052	
30	0						
31	0						
TOT	559		6				
AVG.	18.63		0.20	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: Jill Ray

Date: 5-5-05

Title: Water Systems Supervisor

Certification No. NY0031941

4/29/2005
Pump Data

MONTHLY GALLONAGE REPORT
APRIL2005.XLS

Date	Well 4	Well 6	Well 7	Well10	Well11	Well12	Daily Total
1	0	435	805	0	0	0	1,240
2	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0
4	0	1,007	3,120	0	0	0	4,127
5	0	344	1,316	0	0	0	1,660
6	0	891	1,339	0	2	3	2,235
7	0	658	1,301	0	0	0	1,959
8	0	690	1,331	0	6	1	2,028
9	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0
11	0	1,409	2,943	63	7	8	4,430
12	0	488	977	0	0	1	1,466
13	0	430	921	0	0	5	1,356
14	0	452	980	0	0	1	1,433
15	0	392	885	0	0	0	1,277
16	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0
18	0	1,272	2,744	0	0	0	4,016
19	0	379	1,028	0	0	0	1,407
20	0	512	1,089	0	0	0	1,601
21	0	507	1,222	70	0	77	1,876
22	0	344	1,192	0	0	305	1,841
23	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0
25	0	1,014	3,129	0	0	154	4,297
26	0	259	763	0	0	4	1,026
27	0	39	510	0	389	0	938
28	0	417	1,167	0	213	0	1,797
29	0	226	905	0	1,038	0	2,169
30	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0
Total	0	12,165	29,667	133	1,655	559	44,179
		Totalizer		Totalizer		Total(x1,000)	
		This Month		Last Month		Gallons	
	Well 4	1,648,622		1,648,622		0	
	Well 6	542,735		530,570		12,165	
	Well 7	1,662,052		1,632,385		29,667	
	Well 10	771,139		771,006		133	
	Well 11	630,584		628,929		1,655	
	Well 12	737,052		736,493		559	
AGS Water Supply Meter		534,371		531,763			2608.00
Medical Reactor - Well 105		0		0			0.00
Biology Building - Well 9		679,277		679,277			0.00

ATTACHMENT II
Brookhaven National Laboratory
Potable Water Supply
April 2005 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
April 2005

Sample Location	Sample Date	pH (SU)	Temperature (Degrees F)	Conductivity (µmhos)	Alkalinity (mg/L)	Calcium (mg/L)
WTP	4/5/05	7.3	54	144	ANR	ANR
WTP	4/7/05	7.3	55	147	ANR	ANR
WTP	4/12/05	7.6	52	142	ANR	ANR
WTP	4/14/05	7.6	55	156	ANR	ANR
WTP	4/19/05	7.5	54	147	ANR	ANR
WTP	4/21/05	7.5	54	145	ANR	ANR
WTP	4/26/05	7.8	53	158	ANR	ANR
WTP	4/28/05	8.1	53	164	ANR	ANR
Well 11	4/5/05	7.3	55	171	ANR	ANR
Well 11	4/7/05	7.5	55	143	ANR	ANR
Well 11	4/12/05	7.4	55	160	ANR	ANR
Well 11	4/14/05	7.3	55	154	ANR	ANR
Well 11	4/21/05	7.0	55	169	ANR	ANR
Well 11	4/28/05	7.4	56	156	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

April 2005 Stage 1 Disinfectants & Disinfection Byproduct Rule

Monitoring Data and Bacteriological Analyses for the BNL Distribution System

Attachment III

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

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

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 : Marcia Allocco

Lab No. : 0504213-001A

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

Federal ID : 5111891
Collected : 4/8/05 8:55:00 AM
Received : 4/8/05 3:22:00 PM
Collected By : CLIENT
Copy : Original
CC

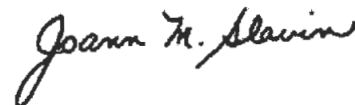
Client ID. : 19610-001

Point No : 094-273
Location : B-49 Water Tower

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Method Number	Analyzed
Total Coliform	Negative		1		Negative	M9223	04/09/2005 1:00 PM
E_Coliform	Absent		1		Absent	M9223	04/09/2005 1:00 PM
Total Residual Chlorine	0.7		1	mg/L		M4500-Cl G	04/08/2005

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

Date Reported : 5/2/05



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. : 0504213-002A

Sample Information...

Type : Potable Water

Origin : Distribution

Routine

Federal ID 5111891

Client ID. : 19610-002

Collected : 4/8/05 9:05:00 AM

Point No : 076-408

Received : 4/8/05 3:22:00 PM

Location : B-640 Water Tower

Collected By : CLIENT

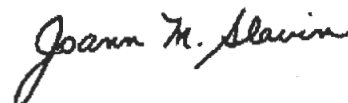
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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		1		Negative	M9223	04/09/2005 1:00 PM
E_Coliform	Absent		1		Absent	M9223	04/09/2005 1:00 PM
Total Residual Chlorine	0.8		1	mg/L		M4500-CI G	04/08/2005

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

Date Reported : 4/29/05



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. : 0504213-003A

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

Federal ID : 5111891
Collected : 4/8/05 9:40:00 AM
Received : 4/8/05 3:22:00 PM
Collected By : CLIENT
Copy : Original
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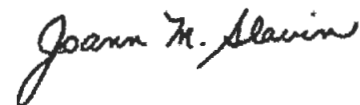
Point No : 109-19
Location : B-363 Apt.Laundry

Client ID. : 19610-003

<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	04/09/2005 1:00 PM
E_Coliform	Absent		1		Absent	M9223	04/09/2005 1:00 PM
Total Residual Chlorine	0.7		1	mg/L		M4500-Cl G	04/08/2005

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

Date Reported : 4/29/05



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. : 0504213-004A

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

Federal ID : 5111891
Collected : 4/8/05 9:25:00 AM
Received : 4/8/05 3:22:00 PM
Collected By : CLIENT

Client ID. : 19610-004

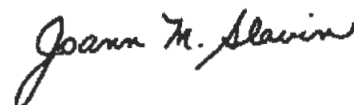
Point No : 045-12
Location : B-1005 RHIC

Copy : Original
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Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Method Number	Analyzed
Total Coliform	Negative		1		Negative	M9223	04/09/2005 1:00 PM
E_Coliform	Absent		1		Absent	M9223	04/09/2005 1:00 PM
Total Residual Chlorine	0.7		1	mg/L		M4500-Cl G	04/08/2005

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

Date Reported : 5/2/05



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. : 0504213-005A

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

Federal ID : 5111891
Collected : 4/8/05 9:50:00 AM
Received : 4/8/05 3:22:00 PM
Collected By : CLIENT
Copy : **Original**
CC

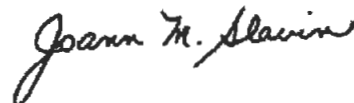
Point No : 075-602
Location : B-725 NSLS

Client ID. : 19610-005

<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	04/09/2005 1:00 PM
E_Coliform	Absent		1		Absent	M9223	04/09/2005 1:00 PM
Total Residual Chlorine	1.0		1	mg/L		M4500-CI G	04/08/2005

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

Date Reported : 5/2/05



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. : 0504213-006A

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

Federal ID 5111891

Client ID. : 19610-006

Collected : 4/8/05 10:05:00 AM

Point No : 084-69

Received : 4/8/05 3:22:00 PM

Location : B-490 Block 1 ACF

Collected By : CLIENT

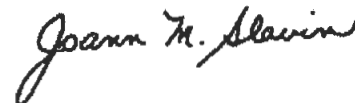
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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		1		Negative	M9223	04/09/2005 1:00 PM
E_Coliform	Absent		1		Absent	M9223	04/09/2005 1:00 PM
Total Residual Chlorine	0.3		1	mg/L		M4500-CI G	04/08/2005

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

Date Reported : 5/2/05



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. : 0504213-007A

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

Federal ID : 5111891

Client ID. : 19610-007

Collected : 4/8/05 10:00:00 AM

Point No : 084-68

Received : 4/8/05 3:22:00 PM

Location : B-490 Block 4 MRC

Collected By : CLIENT

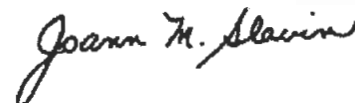
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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		1		Negative	M9223	04/09/2005 1:00 PM
E_Coliform	Absent		1		Absent	M9223	04/09/2005 1:00 PM
Total Residual Chlorine	0.8		1	mg/L		M4500-CI G	04/08/2005

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

Date Reported : 5/2/05



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. : 0504213-008A

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

Federal ID : 5111891
Collected : 4/8/05 9:40:00 AM
Received : 4/8/05 3:22:00 PM
Collected By : CLIENT
Copy : Original
CC

Client ID. : 19610-008

Point No : 109-19
Location : B-363 Apt.Laundry

Duplicate

<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	04/09/2005 1:00 PM
E_Coliform	Absent		1		Absent	M9223	04/09/2005 1:00 PM
Total Residual Chlorine	0.7		1	mg/L		M4500-Cl G	04/08/2005

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

Date Reported : 5/2/05

Joann M. Slavine