

November 7, 2001

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

Dear Ms. Newcomer:

**SUBJECT: Monthly Water Treatment Plant Reports**

**Reference: Suffolk County Minimum Monitoring Requirements for October 2001**

In accordance with the requirements of the BNL Potable Water System Sampling Plan and the 2001 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 Bacteriological and Operational Reports for October 2001.
- Attachment II: October 2001 Biweekly Water Quality Monitoring Data for BNL Potable Water Wells and the BNL Distribution System.

All analytical results have been reviewed and have been found to be within New York State Department of Health Drinking Water Standards (NYSDOH DWS). Collection and analysis of these samples are performed in accordance with the guidelines of the BNL Quality Assurance program, the SCDHS Community Water Supply Monitoring Requirements, and the BNL Potable Water System Sampling Plan. Plant Engineering Division personnel using standard operating procedures collect routine monitoring samples; a contractor laboratory using standard methods of analysis performs the subsequent analyses. The Quality Assurance documentation is available from the Environmental 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 R. Lee at (631) 344-3148, M. Allocco at (631) 344-3166, or W. Chaloupka at (631) 344-7136.

Sincerely,



Lori Cunniff, CEP  
Division Manager

LEC/MA:rt

Attachments: As noted

cc:	M. Allocco	w/attachments
	W. Chaloupka	w/attachments
	J. Granzen	w/attachments
	R. Lee	w/attachments
	E. Murphy	w/attachments
	P. Ponturo	SCDHS, w/o attachments
	L. Ross	w/o attachments
	T. Sheridan	w/o attachments

EC61ER.01

**ATTACHMENT I**

**Brookhaven National Laboratory  
Potable Water Supply**

**Monthly Bacteriological and Operational  
Reports for October 2001**

# BROOKHAVEN NATIONAL LABORATORY

## WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169	STATION 11515100	SUFFOLK COUNTY	REPORTING PERIOD: OCTOBER 2001
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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 Daily Totalizer
	Treated Water	Liquid Sodium Hypochlorite		Free Cl <sub>2</sub>	Lime	Sodium Hydroxide	
		Gallons	Cl <sub>2</sub> use per 24hrs	Residual mg/l			
1	938	72	10	0.72	7.1	12439543	
2	1,350	62	10	0.74	7	12441831	
3	1,360	50+150	12	0.92	7	12443191	
4	1,377	195	5	0.84	7.1	12444568	
5	1,358	182	13	0.7	7.2	12445926	
6	0						
7	0						
8	4,128	152	30	0.78	6.9	12450054	
9	1,336	143	9	0.62	6.7	12451390	
10	1,361	132	11	6.8	6.8	12452751	
11	1,354	123+77	9	1	7.4	12454105	
12	1,384	190	10	0.84	7	12455469	
13	0						
14	0						
15	4,149	155	35	0.92	7.2	12459618	
16	1,358	145	10	0.68	7.3	12460976	
17	1,384	135	10	0.89	7.4	12462360	
18	1,388	125	10	0.49	7.4	12463748	
19	1,369	115	10	0.3	7.2	12465117	
20	0						
21	0						
22	4,137	90	25	0.71	7.4	12469254	
23	1,376	79	11	0.45	7.6	12470630	
24	1,385	63	16	0.62	7.4	12472015	
25	1,366	50+150	13	1	7.4	12473381	
26	1,379	190	10	0.83	7.3	12474760	
27	0						
28	0						
29	4,257	160	30	0.94	7.3	12479017	
30	1,344	150	10	0.78	7.3	12480361	
31	1,378	140	10	0.67	7.3	12481739	
TOT	42,196		319				
AVG.	1361.16		10.29	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 Peery*

Date: 11-7-01

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: OCTOBER 2001
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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 1479844
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide		
		Gallons	Cl2 use per 24hrs				
1	0	130	0	NR	NR	1479844	
2	0	130	0	NR	NR	1479844	
3	0	130	0	NR	NR	1479844	
4	0	130	0	NR	NR	1479844	
5	0	130	0	NR	NR	1479844	
6	0						
7	0						
8	0	130	0	NR	NR	1479844	
9	0	130	0	NR	NR	1479844	
10	0	130	0	NR	NR	1479844	
11	0	130	0	NR	NR	1479844	
12	0	130	0	NR	NR	1479844	
13	0						
14	0						
15	0	130	0	NR	NR	1479844	
16	0	130	0	NR	NR	1479844	
17	0	130	0	NR	NR	1479844	
18	0	130	0	NR	NR	1479844	
19	0	130	0	NR	NR	1479844	
20	0						
21	0						
22	0	130	0	NR	NR	1479844	
23	0	130	0	NR	NR	1479844	
24	0	130	0	NR	NR	1479844	
25	0	130	0	NR	NR	1479844	
26	0	130	0	NR	NR	1479844	
27	0						
28	0						
29	0	130	0	NR	NR	1479844	
30	0	130	0	NR	NR	1479844	
31	0	130	0	NR	NR	1479844	
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. J. [Signature]*

Date: 11-7-01

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: OCTOBER 2001
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LOCATION: WELL NO. 6

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

Source: Ground Water

Does the system have a chlorination waiver? YES  NO

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer
	Treated Water	Liquid Sodium Hypochlorite		Free Cl <sub>2</sub>	Lime	Sodium Hydroxide	
		Gallons	Cl <sub>2</sub> use	Residual			
K Gals	165	per 24hrs	mg/l			237251	
1	643	129	36	0.02	5.6		237894
2	890	110	19	0.08	6.2		238784
3	1,204	90	20	1.37	6.4		239988
4	944	70	20	0.23	6		240932
5	907	55+115	15	0.32	6.2		241839
6	0						
7	0						
8	2,396	128	42	0.03	6		244235
9	736	112	16	0.02	5.4		244971
10	776	100	12	0.02	5.5		245747
11	763	80+120	20	0.02	6		246510
12	1,013	190	10	0.01	5.7		247523
13	0						
14	0						
15	2,490	145	45	0.03	5.8		250013
16	758	131	14	0.06	5.9		250771
17	653	119	12	0.27	5.8		251424
18	877	102	17	0.03	5.6		252301
19	504	90+110	12	0.01	5.6		252805
20	0						
21	0						
22	2,333	158	42	0.07	5.6		255138
23	887	140	18	0.018	5.6		256025
24	804	125	15	0.04	5.6		256829
25	819	110	15	0.07	5.9		257648
26	756	95+60	15	0.12	5.6		258404
27	0						
28	0						
29	2,045	118	37	0.07	5.8		260449
30	872	100	18	0.08	5.8		261321
31	942	80+100	20	0.05	5.8		262263
TOT	25,012		490				
AVG.	806.84		15.81	No. Days:	31		

Population Served 3,500

Number of routine samples 4  
 (Must collect a minimum of 5 routine samples the month following a repeat sample collection)

Number of actual routine samples 7

Does a M&AR violation exist? YES  NO

If yes, check reason's below.

- Actual number of samples fewer than required.
- Failure to analyze for E. Coli if there was a positive result for total coliform from routine, repeat of high turbidity sample.
- Failure to analyze repeat samples.
- Does an MCL violation exist? YES  NO
- If yes, check reason(s) below.
- Two or more positive total coliform samples for systems collecting 40 or more samples (routine, repeat or hilurb) 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: JK Ross

Date: 11-7-01

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: OCTOBER 2001
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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	
	Treated Water	Liquid Sodium Hypochlorite		Free Cl <sub>2</sub>	Lime	Totalizer
		Gallons	Cl <sub>2</sub> use	Residual	Sodium	Daily Totalizer
	K Gals	per 24hrs	mg/l	Hydroxide		
1	995	144	56	0.02	5.6	626506
2	1,405	122	22	0.08	6.2	627911
3	1,431	93	29	1.37	6.4	629342
4	1,399	70	23	0.23	6	630741
5	1,417	50+150	20	0.32	6.2	632158
6	0					
7	0					
8	4,167	140	60	0.03	6	636325
9	1,343	125	25	0.02	5.4	637668
10	1,401	108	17	0.02	5.5	639069
11	1,395	90+110	18	0.02	6	640464
12	1,404	190	10	0.01	5.7	641868
13	0					
14	0					
15	4,213	141	49	0.03	5.8	646081
16	1,376	128	13	0.06	5.9	647457
17	1,372	112	16	0.27	5.8	648829
18	1,423	100	12	0.03	5.6	650252
19	1,373	80+120	20	0.01	5.6	651625
20	0					
21	0					
22	4,146	160	40	0.07	5.6	655771
23	1,375	145	15	0.018	5.6	657146
24	1,373	130	15	0.04	5.6	658519
25	1,410	115	15	0.07	5.9	659929
26	1,407	100+100	15	0.012	5.6	661336
27	0					
28	0					
29	4,251	160	40	0.07	5.8	665587
30	1,379	145	15	0.08	5.8	666966
31	1,393	130+70	15	0.05	5.8	668359
TOT	42,848		560			
AVG.	1382.19		18.06	No. Days:	31	

Population Served 3,500

Number of routine samples 4  
 (Must collect a minimum of 5 routine samples the month following a repeat sample collection)

Number of actual routine samples 7

Does a M&AR violation exist? YES  NO

If yes, check reason's below.

Actual number of samples fewer than required.

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

Failure to analyze repeat samples.

Does an MCL violation exist? YES  NO

If yes, check reason(s) below.

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

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

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

Reported by: *Jd [Signature]*

Date: 11-7-01

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: OCTOBER 2001
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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	Lime	Totalizer	
		Gallons	Cl2 use	Residual	Sodium Hydroxide		
month	K Gals	58	per 24hrs	mg/l			764243
1	0	58	0	NR	NR		764243
2	0	58	0	NR	NR		764243
3	0	58	0	NR	NR		764243
4	0	58	0	NR	NR		764243
5	79	58	0	NR	NR		764322
6	0						
7	0						
8	0	58	0	NR	NR		764322
9	0	58	0	NR	NR		764322
10	0	58	0	NR	NR		764322
11	0	58	0	NR	NR		764322
12	0	58	0	NR	NR		764322
13	0						
14	0						
15	0	58	0	NR	NR		764322
16	0	58	0	NR	NR		764322
17	0	58	0	NR	NR		764322
18	0	58	0	NR	NR		764322
19	0	58	0	NR	NR		764322
20	0						
21	0						
22	0	58	0	NR	NR		764322
23	0	58	0	NR	NR		764322
24	0	58	0	NR	NR		764322
25	0	58	0	NR	NR		764322
26	0	58	0	NR	NR		764322
27	0						
28	0						
29	0	58	0	NR	NR		764322
30	0	58	0	NR	NR		764322
31	0	58	0	NR	NR		764322
TOT	79		0				
AVG.	2.55		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 [Signature]*

Date: 11-7-01

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: OCTOBER 2001
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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 Cl2 Residual mg/l	Lime Sodium Hydroxide		
		Gallons	Cl2 use per 24hrs		—	—	
1	0	185	0	0.35	7.2	366283	
2	5	185	0	0.35	6.8	366288	
3	5	185	0	NR	NR	366293	
4	0	185	0	0.43	7.3	366293	
5	14	185	0	0.58	7.2	366307	
6	0						
7	0						
8	4	185	0	0.48	7.4	366311	
9	274	180	5	0.5	6	366585	
10	3	180	0	NR	NR	366588	
11	0	180	0	0.48	7.4	366588	
12	6	180	0	NR	NR	366594	
13	0						
14	0						
15	0	180	0	NR	NR	366594	
16	0	180	0	NR	NR	366594	
17	3	180	0	NR	NR	366597	
18	0	180	0	0.7	7.1	366597	
19	3	180	0	0.75	7	366600	
20	0						
21	0						
22	0	180	0	NR	NR	366600	
23	0	180	0	NR	NR	366600	
24	5	180	0	NR	NR	366605	
25	118	180	0	NR	NR	366723	
26	3	180	0	NR	NR	366726	
27	0						
28	0						
29	0	180	0	0.35	7.3	366726	
30	4	180	0	0.55	7.1	366730	
31	7	180	0	NR	NR	366737	
TOT	454		5				
AVG.	14.65		0.16	No. Days:	31		

Population Served 3,500

Number of routine samples 4

(Must collect a minimum of 5 routine samples the month following a repeat sample collection)

Number of actual routine samples 7

Does a M&AR violation exist? YES  NO

If yes, check reason's below.

Actual number of samples fewer than required.

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

Failure to analyze repeat samples.

Does an MCL violation exist? YES  NO

If yes, check reason(s) below.

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

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

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

Reported by: [Signature]

Date: 11-7-01

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: OCTOBER 2001
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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	Liquid Sodium Hypochlorite		Free Cl <sub>2</sub>	__ Lime	
		Gallons	Cl <sub>2</sub> use per 24hrs	Residual mg/l	__ Sodium Hydroxide	
	K Gals	130				360351
1	1,549	112	18	0.82	7.9	361900
2	4	111	1	0.65	8	361904
3	5	111	0	0.73	7.9	361909
4	496	108	3	0.6	7.7	362405
5	261	105+30	3	0.5	7.8	362666
6	0					
7	0					
8	852	128	7	NR	NR	363518
9	0	128	0	0.5	6	363518
10	4	128	0	NR	NR	363522
11	0	128	0	0.45	7.6	363522
12	244	125	3	NR	NR	363766
13	0					
14	0					
15	533	121	4	0.64	7.4	364299
16	217	120	1	0.51	7.5	364516
17	340	119	1	0.59	7.4	364856
18	343	113	6	0.78	7.4	365199
19	401	110+40	3	0.59	7.4	365600
20	0					
21	0					
22	1,121	148	2	0.64	7.5	366721
23	594	142	6	0.67	7.3	367315
24	690	140	2	0.9	7.2	368005
25	696	135	5	0.7	7.3	368701
26	617	130	5	0.7	7.3	369318
27	0					
28	0					
29	412	125	5	0.6	7.5	369730
30	501	122	3	0.6	7.4	370231
31	305	119	3	0.8	7.6	370536
TOT	10,185		81			
AVG.	328.55		2.61	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. J. [Signature]*

Date: 11-7-01

Title: Water Systems Supervisor

Certification No. NY0031941

10/31/01  
 Pump Data

MONTHLY GALLONAGE REPORT  
 2001OCTOBER

Date	Well 4	Well 6	Well 7	Well10	Well11	Well12	Daily Total
1	0	643	995	0	0	1,549	3,187
2	0	890	1,405	0	5	4	2,304
3	0	1,204	1,431	0	5	5	2,645
4	0	944	1,399	0	0	496	2,839
5	0	907	1,417	79	14	261	2,678
6	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0
8	0	2,396	4,167	0	4	852	7,419
9	0	736	1,343	0	274	0	2,353
10	0	776	1,401	0	3	4	2,184
11	0	763	1,395	0	0	0	2,158
12	0	1,013	1,404	0	6	244	2,667
13	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0
15	0	2,490	4,213	0	0	533	7,236
16	0	758	1,376	0	0	217	2,351
17	0	653	1,372	0	3	340	2,368
18	0	877	1,423	0	0	343	2,643
19	0	504	1,373	0	3	401	2,281
20	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0
22	0	2,333	4,146	0	0	1,121	7,600
23	0	887	1,375	0	0	594	2,856
24	0	804	1,373	0	5	690	2,872
25	0	819	1,410	0	118	696	3,043
26	0	756	1,407	0	3	617	2,783
27	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0
29	0	2,045	4,251	0	0	412	6,708
30	0	872	1,379	0	4	501	2,756
31	0	942	1,393	0	7	305	2,647
<b>Total</b>	<b>0</b>	<b>25,012</b>	<b>42,848</b>	<b>79</b>	<b>454</b>	<b>10,185</b>	<b>78,578</b>
		Totalizer		Totalizer		Total(x1,000)	
		This Month		Last Month		Gallons	
	Well 4	1,479,844		1,479,844		0	
	Well 6	262,263		237,251		25,012	
	Well 7	668,359		625,511		42,848	
	Well 10	764,322		764,243		79	
	Well 11	366,737		366,283		454	
	Well 12	370,536		360,351		10,185	
AGS Water Supply Meter		315,307		301,525			13782.00
Medical Reactor - Well 105		91,710,910		91,710,910			0.00
Biology Building - Well 9		6,215,910		6,164,050			51.86

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID: # 10472

## LABORATORY RESULTS

**BROOKHAVEN NATIONAL LAB.-BNLM**  
70 BELL AVE.  
UPTON, NY 11973  
Attn To : S. SCARPITTA

Lab No. : 0110166-001A

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

Federal ID 5111891  
Collected : 10/4/01 11:10:00 AM  
Received : 10/4/01 3:35:00 PM  
Collected By : CLIENT  
Copies To : BOB LEE

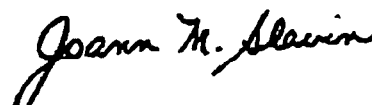
Client ID. : 8451-001

Point No : 1  
Location : B-49 WATER TOWER

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	10/5/01 9:30:00 AM
E_Coliform	Absent		Absent	M9223	10/5/01 9:30:00 AM

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

Date Reported : 11/6/01



# H2M LABS, INC.

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

## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM

70 BELL AVE.

UPTON, NY 11973

Attn To : S. SCARPITTA

Federal ID 5111891

Collected : 10/4/01 11:20:00 AM

Received : 10/4/01 3:35:00 PM

Collected By : CLIENT

Copies To : BOB LEE

Lab No. : 0110166-002A

Client ID. : 8451-002

Point No : 2

Location : B-640 WATER TOWER

Sample Information...

Type : Potable Water

Origin : Other

Routine

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	10/5/01 9:30:00 AM
E_Coliform	Absent		Absent	M9223	10/5/01 9:30:00 AM

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

Date Reported : 11/6/01

# 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.

Lab No. : 0110166-003A

Sample Information...

Type : Potable Water

Origin : Other

Routine

UPTON, NY 11973

Attn To : S. SCARPITTA

Client ID. : 8451-003

Federal ID 5111891

Collected : 10/4/01 10:20:00 AM

Point No : 3

Received : 10/4/01 3:35:00 PM

Location : B-1005 RHIC

Collected By : CLIENT

Copies To : BOB LEE

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	10/5/01 9:30:00 AM
E_Coliform	Absent		Absent	M9223	10/5/01 9:30:00 AM

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

Date Reported : 11/6/01

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 894-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.

UPTON, NY 11973

Attn To : S. SCARPITTA

Lab No. : 0110166-004A

Sample Information...

Type : Potable Water

Origin : Other

Routine

Federal ID 5111891

Client ID. : 8461-004

Collected : 10/4/01 1:00:00 PM

Point No : 4

Received : 10/4/01 3:35:00 PM

Location : B-363 APT.LAUNDRY

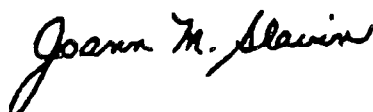
Collected By : CLIENT

Copies To : BOB LEE

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	10/5/01 9:30:00 AM
E_Coliform	Absent		Absent	M9223	10/5/01 9:30:00 AM

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

Date Reported : 11/6/01



# H2M LABS, INC.

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

## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.  
UPTON, NY 11973  
Attn To : S. SCARPITTA

Lab No. : 0110166-005A

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

Federal ID : 5111891

Client ID. : 8451-005

Collected : 10/4/01 10:40:00 AM

Point No : 23

Received : 10/4/01 3:35:00 PM

Location : B-725 NSLS

Collected By : CLIENT

Copies To : BOB LEE

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	10/5/01 9:30:00 AM
E_Coliform	Absent		Absent	M9223	10/5/01 9:30:00 AM

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

Date Reported : 11/6/01



# H2M LABS, INC.

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

## LABORATORY RESULTS

**BROOKHAVEN NATIONAL LAB.-BNLM**  
70 BELL AVE.  
UPTON, NY 11973  
Attn To : S. SCARPITTA

Lab No. : 0110166-006A

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

Federal ID : 5111891  
Collected : 10/4/01 10:45:00 AM  
Received : 10/4/01 3:35:00 PM  
Collected By : CLIENT  
Copies To : BOB LEE

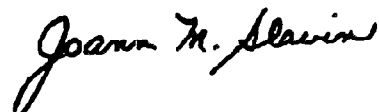
Client ID. : 8451-006

Point No : 24  
Location : B-490 BLOCK 1 AFC

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	10/5/01 9:30:00 AM
E_Coliform	Absent		Absent	M9223	10/5/01 9:30:00 AM

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

Date Reported : 11/6/01



# H2M LABS, INC.

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

## LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM  
70 BELL AVE.  
UPTON, NY 11973  
Attn To : S. SCARPITTA

Lab No. : 0110166-007A

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

Federal ID 5111891

Client ID. : 8451-007

Collected : 10/4/01 10:50:00 AM

Point No : 25

Received : 10/4/01 3:35:00 PM

Location : B-490 BLOCK 4 MRC

Collected By : CLIENT

Copies To : BOB LEE

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		Negative	M9223	10/5/01 9:30:00 AM
E_Coliform	Absent		Absent	M9223	10/5/01 9:30:00 AM

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

Date Reported : 11/6/01

**ATTACHMENT II**

**Brookhaven National Laboratory  
Potable Water Supply**

**October 2001 Biweekly Water Quality Monitoring Data for  
the BNL Potable Water Wells and  
the BNL Distribution System**

**Attachment II**  
**Table 1**  
**Summary of Water Quality Analyses**  
**for the BNL Potable Water System**  
**October 2001**

Sample Location	Sample Date	pH (SU)	Temperature (Degrees F)	Conductivity ( $\mu$ mhos)	Alkalinity (mg/L)	Calcium (mg/L)
WTP	10/2/01	7.0	55	196	NR	NR
WTP	10/4/01	7.1	56	181	NR	NR
WTP	10/9/01	6.7	56	127	NR	NR
WTP	10/11/01	7.4	55	129	NR	NR
WTP	10/16/01	7.3	54	147	NR	NR
WTP	10/18/01	7.4	54	133	NR	NR
WTP	10/23/01	7.6	55	152	NR	NR
WTP	10/25/01	7.4	56	141	NR	NR
WTP	10/30/01	7.4	53	128	NR	NR
Well 12	10/2/01	8.0	56	158	NR	NR
Well 12	10/4/01	7.7	56	234	NR	NR
Well 12	10/9/01	6.0	56	220	NR	NR
Well 12	10/11/01	7.6	55	142	NR	NR
Well 12	10/16/01	7.5	56	145	NR	NR
Well 12	10/18/01	7.4	56	158	NR	NR
Well 12	10/23/01	7.3	56	155	NR	NR
Well 12	10/25/01	7.3	56	160	NR	NR
Well 12	10/30/01	7.4	56	158	NR	NR

NR - Analysis Not Required or Not Reported

WTP – Water Treatment Plant

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