

Environmental Services Division

BROOKHAVEN
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managed by Brookhaven Science Associates
for the U.S. Department of Energy

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April 6, 2000

Ms. Kathleen Newcomer
Suffolk County Department of Health Services
Drinking Water Supply Section
415 Oser Ave., Suite 3
Hauppauge, New York 11788

Dear Ms. Newcomer:

SUBJECT: Monthly Water Treatment Plant Reports

Reference: Suffolk County Minimum Monitoring Requirements for March 2000

In accordance with the requirements of the BNL Potable Water System Sampling Plan and the 2000 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 March 2000;
- Attachment II: March 2000 Biweekly Water Quality Monitoring Data for BNL Potable Water Wells;
- Attachment III: 2000 First Quarter Radiological Analyses for BNL Potable Water Wells.

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 (QA) program, the SCDHS Community Water Supply Monitoring Requirements, and the BNL Potable Water System Sampling Plan. Routine monitoring samples are collected by Plant Engineering Division (PE) personnel using standard operating procedures and analyses are performed by a contractor laboratory using standard methods of analysis. The QA documentation is available from the Environmental Services Division (ESD) and PE Divisions. Based on this information, we believe the values contained in these reports are representative of the BNL potable water system.

April 6, 2000

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

Sincerely,



E. A. Zimmerman, CEP, REM, CEA, CESM
Division Manager

EAZ/MA:pe

Attachments: As noted

cc: K. Brog w/o attachments
W. Chaloupka w/attachments
R. Lee w/attachments
E. Murphy w/attachments
P. Ponturo, SCDHS, w/o attachments
L. Ross w/o attachments
R. Simeone w/attachments

EC4120.00



ATTACHMENT I

**Brookhaven National Laboratory
Potable Water Supply**

**Monthly Bacteriological and Operational
Reports for March 2000**

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

Public Water Supply Protection

PROGRAM CODE 169 STATION 11515100 SUFFOLK COUNTY REPORTING PERIOD : **MARCH 2000**

LOCATION: WATER TREATMENT PLANT

Source: Ground Water

Did an emergency occur in any part of the water system? yes ___ no ✓
 Does the system have a chlorination waiver? yes ___ no ✓

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer 11767865
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide	Totalizer	
		Gallons	Cl2 use per 24hrs				
1	0	200/145	0	NR	NR	11767865	
2	0	200/145	0	NR	NR	11767865	
3	159	200/140	5	0.68	7.4	11768024	
4	0						
5	0						
6	0	200/140	0	NR	NR	11768024	
7	0	200/140	0	NR	NR	11768024	
8	0	200/140	0	NR	NR	11768024	
9	0	200/140	0	NR	NR	11768024	
10	0	200/140	0	NR	NR	11768024	
11	0						
12	0						
13	0	200/140	0	NR	NR	11768024	
14	223	200/140	0	0.8	7.9	11768247	
15	212	200/138	2	0.7	7.6	11768459	
16	177	200/135	3	0.8	7.5	11768636	
17	285	200/135	3	0.6	7.8	11768921	
18	0						
19	0						
20	302	200/130	5	0.49	6.6	11769223	
21	280	200/125	5	0.48	7.2	11769503	
22	268	200/122	3	0.34	6.1	11769771	
23	435	200/121	1	0.32	6.1	11770206	
24	282	200/120	1	0.22		11770488	
25	0						
26	0						
27	378	200/116	4	0.7	7.8	11770866	
28	179	200/115	1	0.71	7.7	11771045	
29	164	200/114	1	0.57	8	11771209	
30	163	200/112	2	0.61	8.1	11771372	
31	260	200/111	1	0.34	8	11771632	
TOT	3,767		37				
AVG.	121.52		1.19	No. Days:	31		

Population Served 3,500

Number of routine samples 4

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

Number of actual routine samples 7

Does a M&AR violation exist? yes ___ No ✓

If yes, check reason's below.

___ Actual number of samples fewer than required.

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

___ Failure to analyze repeat samples.

Does an MCL violation exist? 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. P. Ross

Date 4-4-00

Title WATER SYSTEMS SUPERVISOR

Cert # 05650

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

Public Water Supply Protection

PROGRAM CODE 169 STATION 11515100 SUFFOLK COUNTY REPORTING PERIOD : **MARCH 2000**

LOCATION: WELL NO. 4

Source: Ground Water

Did an emergency occur in any part of the water system? yes no

Does the system have a chlorination waiver? yes no

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide	Totalizer	
		Gallons	Cl2 use per 24hrs				
1	0	145	0	NR	NR	1324720	
2	0	145	0	NR	NR	1324720	
3	0	145	0	NR	NR	1324720	
4	0						
5	0						
6	0	145	0	NR	NR	1324720	
7	0	145	0	NR	NR	1324720	
8	0	145	0	NR	NR	1324720	
9	0	145	0	NR	NR	1324720	
10	0	145	0	NR	NR	1324720	
11	0						
12	0						
13	0	145	0	NR	NR	1324720	
14	0	145	0	NR	NR	1324720	
15	0	145	0	NR	NR	1324720	
16	0	145	0	NR	NR	1324720	
17	0	145	0	NR	NR	1324720	
18	0						
19	0						
20	-3	145	0	NR	NR	1324717	
21	0	145	0	NR	NR	1324717	
22	0	145	0	NR	NR	1324717	
23	0	145	0	NR	NR	1324717	
24	0	145	0	NR	NR	1324717	
25	0						
26	0						
27	48	145	0	NR	NR	1324765	
28	0	145	0	NR	NR	1324765	
29	0	145	0	NR	NR	1324765	
30	0	145	0	NR	NR	1324765	
31	70	145	0	NR	NR	1324835	
TOT	115		0				
AVG	3.71		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? no

If yes, check reason(s) below.

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

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

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

Reported by SO Ross

Date: 4-4-00

Title: WATER SYSTEMS SUPERVISOR

Cert. #: 05650

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

Public Water Supply Protection

PROGRAM CODE 169 STATION 11515100 SUFFOLK COUNTY REPORTING PERIOD : **MARCH 2000**

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		
		Gallons	Cl2 use per 24hrs		_____	_____	
1	0	160	0	NR	NR	6202	
2	0	160	0	NR	NR	6202	
3	0	160	0	NR	NR	6202	
4	0					6202	
5	0						
6	0	160	0	NR	NR	6202	
7	0	160	0	NR	NR	6202	
8	0	160	0	NR	NR	6202	
9	0	160	0	NR	NR	6202	
10	0	160	0	NR	NR	6202	
11	0						
12	0						
13	0	160	0	NR	NR	6202	
14	197	160	0	NR	NR	6399	
15	0	160	0	NR	NR	6399	
16	77	160	0	NR	NR	6476	
17	145	160	0	NR	NR	6621	
18	0						
19	0						
20	206	154	6	NR	NR	6827	
21	260	150	4	0.27	6.1	7087	
22	169	146	4	0.34	6.1	7256	
23	187	140	6	1	6.1	7443	
24	142	134	6	0.22		7585	
25	0						
26	0						
27	141	130	4	NR	NR	7726	
28	165	128	2	NR	NR	7891	
29	69	127	1	NR	NR	7960	
30	84	125	2	NR	NR	8044	
31	0	125	0	NR	NR	8044	
TOT	1,842		35			0	
AVG.	59.42		1.13	No. Days:	31		

Population Served 3,500

Number of routine samples 4

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

Number of actual routine samples 7

Does a M&AR violation exist? yes _____ No ✓

If yes, check reason's below.

_____ Actual number of samples fewer than required.

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

_____ Failure to analyze repeat samples.

Does an MCL violation exist? 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: 4-4-00

Title: WATER SYSTEMS SUPERVISOR

Cert. #: 05650

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

Public Water Supply Protection

PROGRAM CODE 169 STATION 11515100 SUFFOLK COUNTY REPORTING PERIOD : **MARCH 2000**

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	CHLORINATION				pH		Totalizer Daily Totalizer 3196
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide	Totalizer	
		Gallons	Cl2 use per 24hrs				
1	1,369	150	10	NR	NR	9565	
2	505	142	8	NR	NR	10070	
3	451	140	2	NR	NR	10521	
4	0						
5	0						
6	0	140	0	NR	NR	10521	
7	0	140	0	NR	NR	10521	
8	0	140	0	NR	NR	10521	
9	0	140	0	NR	NR	10521	
10	226	140	0	NR	NR	10747	
11	0						
12	0						
13	0	140	0	NR	NR	10747	
14	0	139	1	NR	NR	10747	
15	173	130	9	NR	NR	10920	
16	389	125	5	NR	NR	11309	
17	284	120	5	NR	NR	11593	
18	0						
19	0						
20	524	120	0	NR	NR	12117	
21	231	115	5	0.27	6.1	12348	
22	247	105	10	0.34	6.1	12595	
23	351	88	17	1	6.1	12946	
24	453	80	8	0.22		13399	
25	0						
26	0						
27	347	65	15	0.35	6.1	13746	
28	0	65	0	NR	NR	13746	
29	230	55	10	NR	NR	13976	
30	195	50+128	5	NR	NR	14171	
31	499	170	8	NR	NR	14670	
TOT	6,474		118			0	
AVG	208.84		3.81	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? 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 Rook

Date: 4-4-00

Title: WATER SYSTEMS SUPERVISOR

Cert. # 05650

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

Public Water Supply Protection

PROGRAM CODE 169

STATION 11515100

SUFFOLK COUNTY

REPORTING PERIOD :

MARCH 2000

LOCATION: WELL NO. 10

Source: Ground Water

Did an emergency occur in any part of the water system? yes no

Does the system have a chlorination waiver? yes no

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime	Sodium Hydroxide	
		Gallons	Cl2 use per 24hrs		Sodium		
		185					763497
1	3	185	0	NR	NR		763500
2	0	185	0	NR	NR		763500
3	0	185	0	NR	NR		763500
4	0						
5	0						
6	0	185	0	NR	NR		763500
7	0	185	0	NR	NR		763500
8	0	185	0	NR	NR		763500
9	6	185	0	NR	NR		763506
10	0	185	0	NR	NR		763506
11	0						
12	0						
13	0	185	0	NR	NR		763506
14	0	185	0	0.35	7		763506
15	0	185	0	NR	NR		763506
16	0	185	0	NR	NR		763506
17	0	185	0	NR	NR		763506
18	0						
19	0						
20	6	185	0	NR	NR		763512
21	0	185	0	NR	NR		763512
22	0	185	0	NR	NR		763512
23	0	185	0	NR	NR		763512
24	0	185	0	NR	NR		763512
25	0						
26	0						
27	0	185	0	NR	NR		763512
28	0	185	0	NR	NR		763512
29	0	185	0	NR	NR		763512
30	0	185	0	NR	NR		763512
31	0	185	0	NR	NR		763512
TOT	15		0				0
AVG	0.48		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? no

If yes, check reason(s) below.

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

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

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

Reported by

SO RAY

Date:

4-4-00

Title

WATER SYSTEMS SUPERVISOR

Cert. #:

05650

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

Public Water Supply Protection

PROGRAM CODE 169 STATION 11515100 SUFFOLK COUNTY REPORTING PERIOD : **MARCH 2000**

LOCATION: WELL NO. 11

Source: Ground Water

Did an emergency occur in any part of the water system? yes ___ no
 Does the system have a chlorination waiver? yes ___ no

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide		
		Gallons	Cl2 use per 24hrs				
1	210	170	0	NR	NR	274989	
2	175	170	0	NR	NR	275164	
3	0	170	0	NR	NR	275164	
4	0						
5	0						
6	192	165	5	NR	NR	275356	
7	1,380	155	10	1	7.6	276736	
8	1,562	150	5	0.5	8	278298	
9	1,612	140	10	1	8.3	279910	
10	1,644	130	10	0.41	7.8	281554	
11	0						
12	0						
13	4,911	102	28	NR	NR	286465	
14	1,659	90	12	0.8	7.7	288124	
15	1,611	72	18	NR	NR	289735	
16	1,622	60+80	12	0.97	8.2	291357	
17	1,600	135	5	1	8	292957	
18	0						
19	0						
20	4,880	100	35	0.8	6.3	297837	
21	623	95	5	0.5	6.6	298460	
22	372	93	2	0.6	6.6	298832	
23	480	90	3	0.32	7.8	299312	
24	318	90	0	0.52	7.8	299630	
25	0						
26	0						
27	1,201	80	10	0.7	7.9	300831	
28	79	80	0	NR	NR	300910	
29	197	79	1	0.3	7.8	301107	
30	184	78+122	1	1	7.2	301291	
31	309	198	2	NR	NR	301600	
TOT	26,821		174				
AVG.	865.19		5.61	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? 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: 4-4-00

Title: WATER SYSTEMS SUPERVISOR

Cert. #: 05650

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

Public Water Supply Protection

PROGRAM CODE 169	STATION 11515100	SUFFOLK COUNTY	REPORTING PERIOD : MARCH 2000
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LOCATION: WELL NO. 12

Source: Ground Water

Did an emergency occur in any part of the water system? yes ___ no

Does the system have a chlorination waiver? yes ___ no

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer
	Treated Water	Liquid Sodium Hypochlorite		Free Cl2 Residual	Lime Sodium Hydroxide	Totalizer	
		K Gals	Gallons				
1	1,475	135	6	0.71	8.3	185582	
2	1,459	130	5	0.54	8.1	187041	
3	1,338	120	10	0.55	8	188379	
4	0						
5	0						
6	4,411	90	30	0.7	7.4	192790	
7	122	90	0	NR	NR	192912	
8	1	90	0	NR	NR	192913	
9	0	90	0	NR	NR	192913	
10	222	89	1	NR	NR	193135	
11	0						
12	0						
13	695	87	2	0.4	7.3	193830	
14	15	87	0	0.5	7.3	193845	
15	172	85	2	NR	NR	194017	
16	363	84+86	1	NR	NR	194380	
17	0	170	0	0.7	7.5	194380	
18	0						
19	0						
20	2,142	160	10	NR	7.7	196522	
21	1,374	150	10	0.9	7.9	197896	
22	1,485	142	8	0.5	8	199381	
23	1,464	130	12	0.32	8.1	200845	
24	1,457	125	5	0.65	8	202302	
25	0						
26	0						
27	4,379	95	30	0.7	7.8	206681	
28	1,506	85	10	1	7.8	208187	
29	1,455	76	9	0.64	7.8	209642	
30	1,467	70+130	6	0.85	8.1	211109	
31	1,475	190	10	0.65	7.9	212584	
TOT	28,477		167				
AVG.	918.61		5.39	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? 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 Jo Ross

Date: 4-4-00

Title WATER SYSTEMS SUPERVISOR

Cert. # 05650

3/31/00
Pump Data

MONTHLY GALLONAGE REPORT
Mar2000

Date	Well 4	Well 6	Well 7	Well10	Well11	Well12	Daily Total
1	0	0	1,369	3	210	1,475	3,057
2	0	0	505	0	175	1,459	2,139
3	0	0	451	0	0	1,338	1,789
4	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0
6	0	0	0	0	192	4,411	4,603
7	0	0	0	0	1,380	122	1,502
8	0	0	0	0	1,562	1	1,563
9	0	0	0	6	1,612	0	1,618
10	0	0	226	0	1,644	222	2,092
11	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0
13	0	0	0	0	4,911	695	5,606
14	0	197	0	0	1,659	15	1,871
15	0	0	173	0	1,611	172	1,956
16	0	77	389	0	1,622	363	2,451
17	0	145	284	0	1,600	0	2,029
18	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0
20	-3	206	524	6	4,880	2,142	7,755
21	0	260	231	0	623	1,374	2,488
22	0	169	247	0	372	1,485	2,273
23	0	187	351	0	480	1,464	2,482
24	0	142	453	0	318	1,457	2,370
25	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0
27	48	141	347	0	1,201	4,379	6,116
28	0	165	0	0	79	1,506	1,750
29	0	69	230	0	197	1,455	1,951
30	0	84	195	0	184	1,467	1,930
31	70	0	499	0	309	1,475	2,353
Total	115	1,842	6,474	15	26,821	28,477	63,744
			Totalizer		Totalizer		Total(x1,000)
			This Month		Last Month		Gallons
	Well 4		1,324,835		1,324,720		115
	Well 6		8,044		6,202		1,842
	Well 7		14,670		8,196		6,474
	Well 10		763,512		763,497		15
	Well 11		301,600		274,779		26,821
	Well 12		212,584		184,107		28,477
AGS Water Supply Meter			91,689		80,169		11520.00
Medical Reactor - Well 105			7,967,440		7,965,250		2.19
Biology Building - Well 9			5,516,480		5,505,450		11.03

H2M LABS, INC.

575 Broad Hollow Road, Melville, NY 11747-5076
(631)694-3040 . FAX:(631)420-8436 NYSDOH ID# 10478

BROOKHAVEN NATIONAL LAB.-BNLM
70 BELL AVE.
UPTON, NY 11973

Received : 02-MAR-2000 15:20
Collected By :
Sample Type : Potable Water

Federal ID : 5111891

Copies To : SCHED

Lab Number	Collected	Location	Units Method Limits	T.COLI. BACT. NONE SAM9223 NEGATIVE	E.COLI. NONE SAM9223 ABSENT	CHLORINE RESIDUAL mg/L SAM4500-C1G N/A
20000302-098 ROUTINE DISTRIBUTION	02-MAR-2000 06:10	B-49 WATER TOWER		NEGATIVE 03-MAR-2000 10:15	ABSENT 03-MAR-2000 10:15	0.8 02-MAR-2000
20000302-100 ROUTINE DISTRIBUTION	02-MAR-2000 06:35	B-640 WATER TOWER		NEGATIVE 03-MAR-2000 10:15	ABSENT 03-MAR-2000 10:15	0.9 02-MAR-2000
20000302-103 ROUTINE DISTRIBUTION	02-MAR-2000 06:50	B-1005-RHIC		NEGATIVE 03-MAR-2000 10:15	ABSENT 03-MAR-2000 10:15	0.8 02-MAR-2000
20000302-104 ROUTINE DISTRIBUTION	02-MAR-2000 07:20	B-363 APARTMENT LAUNDRY		NEGATIVE 03-MAR-2000 10:15	ABSENT 03-MAR-2000 10:15	0.5 02-MAR-2000
20000302-106 ROUTINE DISTRIBUTION	02-MAR-2000 07:40	B-930 LINAC		NEGATIVE 03-MAR-2000 10:15	ABSENT 03-MAR-2000 10:15	0.8 02-MAR-2000
20000302-107 ROUTINE DISTRIBUTION	02-MAR-2000 08:05	B-490-OUTPATIENT CLINIC		NEGATIVE 03-MAR-2000 10:15	ABSENT 03-MAR-2000 10:15	0.5 02-MAR-2000
20000302-108 ROUTINE DISTRIBUTION	02-MAR-2000 08:10	B-490-BLOCK II		NEGATIVE 03-MAR-2000 10:15	ABSENT 03-MAR-2000 10:15	0.5 02-MAR-2000

Date Issued : 03/13/2000

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Jeanne M. Alavin
Laboratory Director

03/16/2000 15:42 5164208436

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PAGE 02

H2M LABS, INC.

575 Broad Hollow Road, Melville, NY 11747-5076
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID# 10478

BROOKHAVEN NATIONAL LAB.-BNLM
70 BELL AVE.
UPTON, NY 11973
Federal ID : 5111891

Received : 02-MAR-2000 15:20
Collected By :
Sample Type : Potable Water

Copies To : SCHD

Lab Number	Collected	Location	<u>T. COLI. BACT.</u>			<u>E. COLI.</u>			<u>CHLORINE RESIDUAL</u>		
			<u>Units</u>	<u>Method</u>	<u>Limits</u>	<u>Units</u>	<u>Method</u>	<u>Limits</u>	<u>mg/L</u>	<u>Method</u>	<u>Limits</u>
20000302-109	02-MAR-2000	DUPLICATE	NONE	SAN9223	NEGATIVE	NONE	SAN9223	ABSENT	0.5	02-MAR-2000	
ROUTINE	08:10				03-MAR-2000 10:15			03-MAR-2000 10:15			
DISTRIBUTION											

Result(s) reported meet(s) NEW YORK STATE/USEPA limits for Potable Water.

03/16/2000 15:42 5164208436

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PAGE 03

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Joann M. Slavin
Laboratory Director

ATTACHMENT II

**Brookhaven National Laboratory
Potable Water Supply**

**March 2000 Biweekly Water Quality Monitoring Data for
the BNL Potable Water Wells**

Attachment II
Table 1
Summary of Water Quality Analyses
for the BNL Potable Water System
March 2000

Sample Location	Sample Date	pH	Temp. Degree F	Conductivity	Alkalinity	Calcium
Well 10	3/14/00	7.0	56	171 μ mhos	NR	NR
Well 11	3/7/00	7.6	56	155 μ mhos	NR	NR
Well 11	3/9/00	8.3	56	230 μ mhos	NR	NR
Well 11	3/14/00	7.7	54	NR	NR	NR
Well 11	3/16/00	8.2	56	210 μ mhos	NR	NR
Well 11	3/21/00	6.6	55	147 μ mhos	NR	NR
Well 11	3/30/00	7.2	56	212 μ mhos	NR	NR
Well 12	3/2/00	8.1	56	166 μ mhos	NR	NR
Well 12	3/14/00	7.3	56	178 μ mhos	NR	NR
Well 12	3/21/00	7.9	56	156 μ mhos	NR	NR
Well 12	3/23/00	7.8	56	155 μ mhos	NR	NR
Well 12	3/28/00	7.9	55	153 μ mhos	NR	NR
Well 12	3/30/00	7.9	55	153 μ mhos	NR	NR

NR - Analysis Not Required or Not Reported.

WTP: Water Treatment Plant.

Note: 1. Field parameters are only conducted for facilities that are in operation on the day of measurement.

ATTACHMENT III

**Brookhaven National Laboratory
Potable Water Supply**

**2000 First Quarter Radiological Analyses for
the BNL Potable Water Wells**

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ATTACHMENT III
Table 2
Brookhaven National Laboratory
Potable Water Supply

**2000 First Quarter Radiological Analyses for
the BNL Potable Water Wells**

Summary of Radiological Results for the BNL Potable Water Wells 2000 First Quarter Monitoring Results			
Well ID	Gross Alpha pCi/L	Gross Beta pCi/L	Tritium pCi/L
Well #12	< 0.8	< 2.1	< 315
Well #11	< 0.8	< 2.1	< 315
Well #6	< 0.8	< 2.1	< 315
Well #7	< 0.8	< 2.1	< 315

