Environmental Services Division

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BROOKHAVEN
NATIONAL LABORATORY

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

www.bnl.gov

February 8, 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 January 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 Operational and Bacteriological Reports for January 2000;

Attachment II: January 2000 Biweekly Water Quality Monitoring Data for BNL Well Water Samples

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 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. All analytical results are reviewed and validated by Laboratory staff following EPA and NYSDEC guidelines. Quality assurance documentation for analyses performed 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.

Should there be any questions regarding this report or the analytical or operational data contained herein, please call either R. Lee (ESD) at (516)344-3148 or W. Chaloupka (PE) at (516)344-7136.

Sincerely,

Robert Lee (For)

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

EAZ/RL:rt

cc:	K. Brog	w/o attachments
	W. Chaloupka	w/attachments
	R. Lee	w/attachments
	E. Murphy	w/attachments
	P. Ponturo	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 January 2000

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

Public Water Supply Protection

PROGRAM CODE 169	STATION 11515100	SUFFOLK COUNTY	REPORTING PERIOD : JANUARY 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 ✓

	CHLORINATION				pH	
	Treated	Liquid Sodium Hypochlorite		Free Cl2	__ Lime	Totalizer
Day of	Water	Gallons	Cl2 use	Residual	__ Sodium	Daily Totalizer
month	K Gals	200/155	per 24hrs	mg/l	Hydroxide	11767796
1	0					
2	0					
3	0	200/155	0	NR	NR	11767796
4	0	200/155	0	NR	NR	11767796
5	0	200/150	5	N0	NR	11767796
6	61	200/150	0	NR	NR	11767857
7	0	200/145	5	NR	NR	11767857
8	0					
9	0					
10	0	200/145	0	NR	NR	11767857
11	0	200/145	0	NR	NR	11767857
12	0	200/145	0	NR	NR	11767857
13	0	200/145	0	NR	NR	11767857
14	0	200/145	0	NR	NR	11767857
15	0					
16	0					
17	0	200/145	0	NR	NR	11767857
18	0	200/145	0	NR	NR	11767857
19	0	200/145	0	NR	NR	11767857
20	0	200/145	0	NR	NR	11767857
21	0	200/145	0	NR	NR	11767857
22	0					
23	0					
24	0	200/145	0	NR	NR	11767857
25	0	200/145	0	NR	NR	11767857
26	0	200/145	0	NR	NR	11767857
27	0	200/145	0	NR	NR	11767857
28	0	200/145	0	NR	NR	11767857
29	0					
30	0					
31	0	200/145	0	NR	NR	11767857
TOT	61		10			
AVG	1.97		0.32	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: 2-3-00

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 : JANUARY 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 ✓

	CHLORINATION				pH	
	Treated	Liquid Sodium Hypochlorite		Free Cl2	__ Lime	Totalizer
Day of	Water	Gallons	Cl2 use	Residual	__ Sodium	Daily Totalizer
month	K Gals	155	per 24hrs	mg/l	Hydroxide	1324080
1	0					
2	0					
3	157	155	0	NR	NR	1324237
4	0	155	0	NR	NR	1324237
5	0	151	4	NR	NR	1324237
6	0	151	0	NR	NR	1324237
7	450	147	4	NR	NR	1324687
8	0					
9	0					
10	8	145	2	NR	NR	1324695
11	0	145	0	NR	NR	1324695
12	0	145	0	NR	NR	1324695
13	0	145	0	NR	NR	1324695
14	0	145	0	NR	NR	1324695
15	0					
16	0					
17	0	145	0	NR	NR	1324695
18	0	145	0	NR	NR	1324695
19	0	145	0	NR	NR	1324695
20	0	145	0	NR	NR	1324695
21	22	145	0	NR	NR	1324717
22	0					
23	0					
24	0	145	0	NR	NR	1324717
25	3	145	0	NR	NR	1324720
26	0	145	0	NR	NR	1324720
27	0	145	0	NR	NR	1324720
28	0	145	0	NR	NR	1324720
29	0					
30	0					
31	0	145	0	NR	NR	1324720
TOT	640		10			
AVG.	20.65		0.32	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: Mc Ross

Date: 2-3-00

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 : JANUARY 2000

LOCATION: WELL NO. 6

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 ✓

	CHLORINATION				pH	
	Treated	Liquid Sodium Hypochlorite		Free Cl2	__ Lime	Totalizer
Day of	Water	Gallons	Cl2 use	Residual	__ Sodium	Daily Totalizer
month	K Gals	95	per 24hrs	mg/l	Hydroxide	6095
1	0					
2	0					
3	0	95	0	NR	NR	6095
4	78	95	0	NR	NR	6173
5	0	91	4	NR	NR	6173
6	0	91+74	0	NR	NR	6173
7	0	165	0	NR	NR	6173
8	0					
9	0					
10	7	165	0	NR	NR	6180
11	0	162	3	NR	NR	6180
12	0	162	0	NR	NR	6180
13	0	162	0	NR	NR	6180
14	0	162	0	NR	NR	6180
15	0					
16	0					
17	0	162	0	NR	NR	6180
18	0	160	0	NR	NR	6180
19	0	160	0	NR	NR	6180
20	0	160	0	NR	NR	6180
21	22	160	0	NR	NR	6202
22	0					
23	0					
24	0	160	0	NR	NR	6202
25	0	160	0	NR	NR	6202
26	0	160	0	NR	NR	6202
27	0	160	0	NR	NR	6202
28	0	160	0	NR	NR	6202
29	0					
30	0					
31	0	160	0	NR	NR	6202
TOT	107		7			0
AVG.	3.45		0.23	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: S. Rose

Date: 2-3-00

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 : JANUARY 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 ✓

	CHLORINATION				pH	
	Treated	Liquid Sodium Hypochlorite		Free Cl2	__ Lime	Totalizer
Day of	Water	Gallons	Cl2 use	Residual	__ Sodium	Daily Totalizer
month	K Gals	95	per 24hrs	mg/l	Hydroxide	6784
1	0					
2	0					
3	0	95	0	NR	NR	6784
4	298	85	10	NR	NR	7082
5	0	83	2	NR	NR	7082
6	154	80+90	3	NR	NR	7236
7	0	170	0	NR	NR	7236
8	0					
9	0					
10	8	170	0	NR	NR	7244
11	0	170	0	NR	NR	7244
12	0	170	0	NR	NR	7244
13	0	170	0	NR	NR	7244
14	0	170	0	NR	NR	7244
15	0					
16	0					
17	0	170	0	NR	NR	7244
18	0	170	0	NR	NR	7244
19	0	170	0	NR	NR	7244
20	0	170	0	NR	NR	7244
21	20	170	0	NR	NR	7264
22	0					
23	0					
24	0	170	0	NR	NR	7264
25	0	170	0	NR	NR	7264
26	0	170	0	NR	NR	7264
27	0	170	0	NR	NR	7264
28	0	170	0	NR	NR	7264
29	0					
30	0					
31	0	170	0	NR	NR	7264
TOT	480		15			0
AVG.	15.48		0.48	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? 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: [illegible]

Date: 2-3-00

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 : JANUARY 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 ✓

	CHLORINATION				pH	
	Treated	Liquid Sodium Hypochlorite		Free Cl2	__ Lime	Totalizer
Day of	Water	Gallons	Cl2 use	Residual	__ Sodium	Daily Totalizer
month	K Gals	200+	per 24hrs	mg/l	Hydroxide	758714
1	0					
2	0					
3	0	200+	0	NR	NR	758714
4	5	200+	0	NR	NR	758719
5	0	200+	0	NR	NR	758719
6	0	200+	0	NR	NR	758719
7	0	200+	0	NR	NR	758719
8	0					
9	0					
10	14	200+	0	NR	NR	758733
11	0	200+	0	NR	NR	758733
12	0	200+	0	NR	NR	758733
13	1	200+	0	NR	NR	758734
14	0	200+	0	NR	NR	758734
15	0					
16	0					
17	0	200+	0	NR	NR	758734
18	16	200+	0	NR	NR	758750
19	233	200+	0	NR	NR	758983
20	29	200+	0	NR	NR	759012
21	56	200+	0	NR	NR	759068
22	0					
23	0					
24	4,129	190	10	NR	NR	763197
25	27	190	0	NR	NR	763224
26	0	190	0	NR	NR	763224
27	0	190	0	NR	NR	763224
28	0	190	0	NR	NR	763224
29	0					
30	0					
31	0	190	0	NR	NR	763224
TOT	4,510		10			0
AVG.	145.48		0.32	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 O'Rourke

Date: 2-3-00

Title: WATER SYSTEMS SUPERVISOR

Cert. #: 85650

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

Public Water Supply Protection

PROGRAM CODE 169	STATION 11515100	SUFFOLK COUNTY	REPORTING PERIOD : JANUARY 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 ✓

	CHLORINATION				pH	
	Treated	Liquid Sodium Hypochlorite		Free Cl2	__ Lime	Totalizer
Day of	Water	Gallons	Cl2 use	Residual	__ Sodium	Daily Totalizer
month	K Gals	144	per 24hrs	mg/l	Hydroxide	254169
1	0					
2	0					
3	0	144	0	NR	NR	254169
4	162	144	0	NR	NR	254331
5	248	140	4	0.71	7.5	254579
6	1,641	122	18	0.72	7.8	256220
7	1,529	110	12	0.86	7.8	257749
8	0					
9	0					
10	3,998	70	40	0.7	7.4	261747
11	293	66	4	NR	NR	262040
12	81	65	1	NR	NR	262121
13	164	62	3	NR	NR	262285
14	0	62	0	NR	NR	262285
15	0					
16	0					
17	332	60	2	NR	NR	262617
18	14	60	0	0.6	7.7	262631
19	933	50+60	10	0.6	7.3	263564
20	1,428	100	10	0.8	7.5	264992
21	1,557	85	15	0.24	7.5	266549
22	0					
23	0					
24	950	85	0	NR	NR	267499
25	550	85	0	NR	NR	268049
26	411	84	1	NR	NR	268460
27	24	84	0	NR	NR	268484
28	366	82	2	0.82	7.8	268850
29	0					
30	0					
31	449	80	2	NR	NR	269299
TOT	15,130		124			
AVG	488.06		4.00	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: [illegible]

Date: 2-3-00

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 : JANUARY 2000

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 Treated Water K Gals	Liquid Sodium Hypochlorite Gallons 90	Cl2 use per 24hrs	Free Cl2 Residual mg/l	pH __ Lime __ Sodium Hydroxide	Totalizer Daily Totalizer 112389
1	0					
2	0					
3	3,810	65+80	25	0.75	7.5	116199
4	1,445	140	5	0.75	7.7	117644
5	1,442	130	0	0.69	7.7	119086
6	172	130	0	NR	NR	119258
7	0	130	0	NR	NR	119258
8	0					
9	0					
10	8	130	0	NR	NR	119266
11	1,177	120	10	0.8	8.1	120443
12	1,357	110	10	0.66	7.8	121800
13	1,467	100	10	0.66	7.8	123267
14	1,424	92	8	1	7.7	124691
15	0					
16	0					
17	4,471	70	12	0.6	8	129162
18	1,378	60	10	0.6	8	130540
19	1,319	60+80	0	NR	NR	131859
20	3	140	0	NR	NR	131862
21	36	140	0	NR	NR	131898
22	0					
23	0					
24	146	138	2	0.63	7.2	132044
25	1,395	130	8	0.6	7.2	133439
26	987	122	8	0.64	7.3	134426
27	1,480	118	4	0.72	7.7	135906
28	1,475	108	10	0.61	7.6	137381
29	0					
30	0					
31	4,406	80	28	0.6	8.6	141787
TOT	29,398		150			
AVG.	948.32		4.84	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: 2-3-00

Title: WATER SYSTEMS SUPERVISOR

Cert. #: 05650

2/3/00
Pump Data

MONTHLY GALLONAGE REPORT
Jan2000

Date	Well 4	Well 6	Well 7	Well10	Well11	Well12	Daily Total
1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0
3	157	0	0	0	0	3,810	3,967
4	0	78	298	5	162	1,445	1,988
5	0	0	0	0	248	1,442	1,690
6	0	0	154	0	1,641	172	1,967
7	450	0	0	0	1,529	0	1,979
8	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0
10	8	7	8	14	3,998	8	4,043
11	0	0	0	0	293	1,177	1,470
12	0	0	0	0	81	1,357	1,438
13	0	0	0	1	164	1,467	1,632
14	0	0	0	0	0	1,424	1,424
15	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0
17	0	0	0	0	332	4,471	4,803
18	0	0	0	16	14	1,378	1,408
19	0	0	0	233	933	1,319	2,485
20	0	0	0	29	1,428	3	1,460
21	22	22	20	56	1,557	36	1,713
22	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0
24	0	0	0	4,129	950	146	5,225
25	3	0	0	27	550	1,395	1,975
26	0	0	0	0	411	987	1,398
27	0	0	0	0	24	1,480	1,504
28	0	0	0	0	366	1,475	1,841
29	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0
31	0	0	0	0	449	4,406	4,855
Total	640	107	480	4,510	15,130	29,398	50,265

	Totalizer This Month	Totalizer Last Month	Total(x1,000) Gallons
Well 4	1,324,720	1,324,080	640
Well 6	6,202	6,095	107
Well 7	7,264	6,784	480
Well 10	763,224	758,714	4,510
Well 11	269,299	254,169	15,130
Well 12	141,787	112,389	29,398
AGS Water Supply Meter	70,607	61,396	9211.00
Medical Reactor - Well 105	4,539,040	0	4539.04
Biology Building - Well 9	5,492,700	5,460,450	32.25

H2M LABS,INC.

5 Broad Hollow Road, Melville, NY 11747-5076
31)694-3040 . FAX:(631)420-8436 NYSDOH ID# 10478

ROOKHAVEN NATIONAL LAB.-BNLM
0 BELL AVE.
PTON, NY 11973
ederal ID : 5111891

Received : 07-JAN-2000 16:05
Collected By : PP99
Sample Type : Potable Water

Copies To : NCHD

Lab Number	Collected	Location	Units / Method / Limits	T.COLI. BACT.	E.COLI.	CHLORINE RESIDUAL
				NONE / SM#9223 / NEGATIVE	NONE / SM#9223 / ABSENT	mg/L / SM#4500-C1G / NA
20000107-133 ROUTINE DISTRIBUTION	07-JAN-2000 06:40	B-49 WATER TOWER		NEGATIVE 08-JAN-2000 10:45	ABSENT 08-JAN-2000 10:45	0.6 07-JAN-2000
20000107-134 ROUTINE DISTRIBUTION	07-JAN-2000 06:20	B-363 APT. LAUNDRY		NEGATIVE 08-JAN-2000 10:45	ABSENT 08-JAN-2000 10:45	0.4 07-JAN-2000
20000107-135 ROUTINE DISTRIBUTION	07-JAN-2000 08:05	B-490 BLOCK 11		NEGATIVE 08-JAN-2000 10:45	ABSENT 08-JAN-2000 10:45	0.6 07-JAN-2000
20000107-136 ROUTINE DISTRIBUTION	07-JAN-2000 08:10	B-490 OUTPATIENT CLINIC		NEGATIVE 08-JAN-2000 10:45	ABSENT 08-JAN-2000 10:45	0.8 07-JAN-2000
20000107-137 ROUTINE DISTRIBUTION	07-JAN-2000 07:10	B-640 WATER TOWER		NEGATIVE 08-JAN-2000 10:45	ABSENT 08-JAN-2000 10:45	0.8 07-JAN-2000
20000107-138 ROUTINE DISTRIBUTION	07-JAN-2000 06:50	B-930 LINAC		NEGATIVE 08-JAN-2000 10:45	ABSENT 08-JAN-2000 10:45	0.8 07-JAN-2000
20000107-139 ROUTINE DISTRIBUTION	07-JAN-2000 07:00	B-1005-RHIC		NEGATIVE 08-JAN-2000 10:45	ABSENT 08-JAN-2000 10:45	0.7 07-JAN-2000

Date Issued : 01/12/2000

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Joann M. Slavin
Laboratory Director

H2M LABS,INC.

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631)694-3040 . FAX:(631)420-8436 NYSDOH ID# 10478

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

Received : 07-JAN-2000 16:05
Collected By : PP99
Sample Type : Potable Water

Copies To : NCHD

Lab Number	Collected	Location		T.COLI. BACT.	E.COLI.	CHLORINE RESIDUAL
			Units	NONE	NONE	mg/l
			Method	SM#9223	SM#9223	SM#4500-C1G
			Limits	NEGATIVE	ABSENT	N/A
20000107-140 ROUTINE DISTRIBUTION	07-JAN-2000 07:10	DUPLICATE		NEGATIVE 08-JAN-2000 10:45	ABSENT 08-JAN-2000 10:45	0.8 07-JAN-2000

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

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ATTACHMENT II

Brookhaven National Laboratory
Potable Water Supply

January 2000 Biweekly Water Quality Monitoring Data for
BNL Well Water Samples;

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

Sample Location	Sample Date	pH	Temp. Degree F	Conductivity	Alkalinity	Calcium
Well 10	1/11/00	7.0	54	154 umhos	NR	NR
Well 10	1/25/00	7.2	56	157 umhos	NR	NR
Well 11	1/6/00	7.8	54	200 umhos	NR	NR
Well 11	1/18/00	7.7	56	194 umhos	NR	NR
Well 11	1/20/00	7.5	54	211 umhos	NR	NR
Well 11	1/25/00	7.6	56	203 umhos	NR	NR
Well 12	1/04/00	7.7	56	155 umhos	NR	NR
Well 12	1/11/00	7.8	56	162 umhos	NR	NR
Well 12	1/13/00	7.8	56	162 umhos	NR	NR
Well 12	1/18/00	8.0	56	164 umhos	NR	NR
Well 12	1/25/00	7.2	55	152 umhos	NR	NR
Well 12	1/27/00	7.7	55	156 umhos	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