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August 8, 2000

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 July 2000

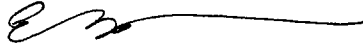
In accordance with the requirements of the BNL Potable Water System Sampling Plan and the 2000 SCDHS Minimum Monitoring Requirements for the BNL Potable Water Supply, included please find the following attachments for your records:

- Attachment I: BNL Potable Water Monthly and Quarterly Bacteriological and Operational Reports for July 2000.
- Attachment II: July 2000 Biweekly Water Quality Monitoring Data 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 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,



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

EAZ/MA:rt

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



EC61ER.00

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

Public Water Supply Protection

PROGRAM CODE 169	STATION 11515100	SUFFOLK COUNTY	REPORTING PERIOD :	JULY 2000
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LOCATION: WATER TREATMENT PLANT

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

Source: Ground Water

Day of Month	CHLORINATION				pH		Totalizer Daily Totalizer 11898605
	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						
2	3,339	170		0.53	7	11901944	
3	0						
4	0						
5	5,069	132	38	0.5	7.2	11907013	
6	1,348	122	10	0.5	7.5	11908361	
7	1,326	112	10	0.5	7.9	11909687	
8	0						
9	0						
10	4,060	91	11	0.72	7.1	11913747	
11	1,552	82	9	0.58	7.4	11915299	
12	1,559	78	4	0.69	7.5	11916858	
13	1,560	68+141	10	0.77	7.4	11918418	
14	1,559	197	22	0.55	7.5	11919977	
15	0						
16	0						
17	4,539	168	29	1	7.5	11924516	
18	1,530	162	6	0.53	7.6	11926046	
19	1,605	152	10	0.61	7.7	11927651	
20	1,598	142	10	0.68	7.7	11929249	
21	1,601	131	11	0.85	7.7	11930850	
22	0						
23	0						
24	4,844	100	31	0.5	7.6	11935694	
25	1,649	88	12	0.5	7.8	11937343	
26	1,562	79	9	1.04	7.6	11938905	
27	1,597	68+132	11	0.53	7.5	11940502	
28	1,617	191	8	0.57	7.7	11942119	
29	0						
30	0						
31	4,763	155	36	0.82	7.7	11946882	
TOT	48,277		287				
AVG.	1557.32		9.26	No. Days:	31		

Population Served 3,500

Number of routine samples 4

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

Number of actual routine samples 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 Will L. Clark

Date: 3 AUG 00

Title: Asst mgr o/s

Cert. #: 10461

ATTACHMENT I

**Brookhaven National Laboratory
Potable Water Supply**

**Monthly and Quarterly Bacteriological and Operational
Reports for July 2000**

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

Public Water Supply Protection

PROGRAM CODE 169	STATION 11515100	SUFFOLK COUNTY	REPORTING PERIOD : July 2000
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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
	Treated Water	Liquid Sodium Hypochlorite		Free Cl ₂ Residual	Lime Sodium	
		K Gals	Gallons	Cl ₂ use per 24hrs	mg/l	
1	0					
2	1,274	135	7	0.53	7	1375418
3	0					
4	0					
5	1,726	122	13	0	5.8	1377144
6	805	112	10	0	5.8	1377949
7	595	102+28	10	0.1	5.8	1378544
8	0					
9	0					
10	1,598	76	54	0.1	5.8	1380142
11	649	60	16	0.56	5.9	1380791
12	604	45	15	0.84	5.7	1381395
13	732	30+110	10	0.02	5.8	1382127
14	577	125	15	0.02	5.8	1382704
15	0					
16	0					
17	2,054	82+85	43	0.16	5.9	1384758
18	569	153	14	0.26	6	1385327
19	642	140	2	0.03	6.1	1385969
20	683	130	10	NR	NR	1386652
21	554	120	10	0.33	6.1	1387205
22	0					
23	0					
24	2,118	80	40	0.2	5.9	1389324
25	599	65	15	0.2	5.9	1389923
26	462	50	15	0.16	6.1	1390385
27	584	40	10	0.16	6	1390969
28	620	25+160	15	0.03	6	1391589
29	0					
30	0					
31	1,839	150	35	0.02	6.1	1393428
TOT	19,284		359			
AVG	622.06		11.58	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 W. J. Schulte

Date: 3 AUG 00

Title: Asst. mgr. operations

Cert. #: 10461

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

Public Water Supply Protection

PROGRAM CODE 169 STATION 11515100 SUFFOLK COUNTY REPORTING PERIOD : July 2000

LOCATION: WELL NO. 6

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

Source: Ground Water

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual	Lime Sodium Hydroxide	Totalizer	
		Gallons	Cl2 use per 24hrs	mg/l			
1	0	158					43683
2	797	158	0	0.53	7		44480
3	0						
4	0						
5	1,572	158	0	0	5.9		46052
6	1,187	134	24	0	5.8		47239
7	1,345	110+60	24	0.15	5.8		48584
8	0						
9	0						
10	0	170	0	0.1	5.8		48584
11	366	163	7	0.56	5.9		48950
12	254	160	3	0.84	5.7		49214
13	368	150	10	0.02	5.8		49582
14	472	143	7	0.02	5.8		50054
15	0						
16	0						
17	1,257	120	23	0.16	5.9		51311
18	149	120	0	0.26	6		51460
19	315	112	8	0.03	6.1		51775
20	267	110	2	0.06	6		52042
21	182	108	2	0.33	6.1		52224
22	0						
23	0						
24	632	99	9	0.2	5.9		52856
25	278	90	9	0.2	5.9		53134
26	127	90	0	0.16	6.1		53261
27	287	84	6	0.16	6		53548
28	261	80	4	0.03	6		53809
29	0						
30	0						
31	730	70	10	0.02	6.1		54539
TOT	10,856		148				0
AVG	350.19		4.77	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&R 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 Will L. Chalupka

Date: 3 AUG 00

Title: ASST. MGR OPERATIONS

Cert. #: 10461

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

Public Water Supply Protection

PROGRAM CODE 169	STATION 11515100	SUFFOLK COUNTY	REPORTING PERIOD : JULY 2000
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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

Month	CHLORINATION				pH		Totalizer Daily Totalizer 99709
	Treated Water	Liquid Sodium Hypochlorite	Free Cl ₂ Residual	Lime Sodium Hydroxide	Totalizer		
	K Gals	Gallons	Cl ₂ use per 24hrs	mg/l			
1	0						
2	2,305	160	25	0.53	7		102014
3	0						
4	0						
5	3,354	136	24	0	5.9		105368
6	502	122	14	0	5.8		105870
7	344	120	2	0	5.8		106214
8	0						
9	0						
10	3,124	42+158	78	0.1	5.8		109338
11	1,148	171	29	0.56	5.9		110486
12	1,293	145	26	0.84	5.7		111779
1	1,200	123	22	0.02	5.8		145011
2	978	110	13	0.02	5.8		145989
3	0						
4	0						
5	3,659	50+150	60	0.16	5.9		149648
6	1,225	189	11	0.26	6		150873
7	1,151	177	12	0.03	6.1		152024
8	1,269	161	16	0.05	6		153293
9	1,184	150	11	0.33	6.1		154477
10	0						
11	0						
12	3,833	109	41	0.2	5.9		158310
1	1,203	93	16	0.2	5.9		159513
2	1,200	80	13	0.16	6.1		192511
3	1,135	62	18	0.16	6		193646
4	1,208	50+135	12	0.03	6		194854
5	0						
6	0						
7	2,482	150	35	0.02	6.1		197336
8	33,797		478				0
9	1090.23		15.42	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: Wiel & Cholewicki

Date: 8 AUG 00

Title: ASST. mgr. OPERATIONS

Cert. # 10461

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

Public Water Supply Protection

PROGRAM CODE 169	STATION 11515100	SUFFOLK COUNTY	REPORTING PERIOD : July 2000
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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 763710
	Treated Water	Liquid Sodium Hypochlorite		Free Cl ₂ Residual mg/l	Lime Sodium Hydroxide		
		Gallons	Cl ₂ use per 24hrs				
1	0	59	0	NR	NR	763710	
2	0	59	0	NR	NR	763710	
3	0						
4	0						
5	0	59	0	NR	NR	763710	
6	6	59	0	NR	NR	763716	
7	5	59	0	NR	NR	763721	
8	0						
9	0						
10	0	59	0	0.3	7.8	763721	
11	5	59	0	0.3	7.8	763726	
12	2	59	0	0.4	7.8	763728	
13	0	59	0	0.4	7.8	763728	
14	0	59	0	0.4	7.8	763728	
15	0						
16	0						
17	5	59	0	NR	NR	763734	
18	0	59	0	NR	NR	763734	
19	0	59	0	NR	NR	763734	
20	0	59	0	NR	NR	763734	
21	0	59	0	NR	NR	763734	
22	0						
23	0						
24	0	59	0	NR	NR	763734	
25	82	59	0	NR	NR	763816	
26	2	59	0	NR	NR	763818	
27	0	59	0	NR	NR	763818	
28	0	59	0	NR	NR	763818	
29	0						
30	0						
31	0	59	0	NR	NR	763818	
TOT	108		0			0	
AVG.	3.48		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 Wick L. Cholupke
 Title: ASST. MGR OPERATIONS

Date: 3 AUG 00
 Cert. #: 10461

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

Public Water Supply Protection

PROGRAM CODE 169	STATION 11515100	SUFFOLK COUNTY	REPORTING PERIOD : July 2000
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LOCATION: WELL NO. 11

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

Does the system have a chlorination waiver? yes no

Source: Ground Water

No.	CHLORINATION				pH		Totalizer Daily Totalizer
	Treated Water in K Gals	Liquid Sodium Hypochlorite		Free Cl ₂ Residual	Lime Sodium Hydroxide	319167	
		Gallons	Cl ₂ use per 24hrs	mg/l			
0		145					
0		145	0	NR	NR		319167
0							
0							
3	145	0	0.5	7.4			319170
7	145	0	0.4	7.6			319177
192	142+53	3	0.4	7.4			319369
0							
0							
0	195	0	0.4	8			319369
1	9	195	0	0.5	8		319378
2	2	195	0	0.5	8		319380
3	0	195	0	0.5	8		319380
4	310	195	0	0.5	8		319690
5	0						
6	0						
7	654	195	0	0.55	8.2		320344
8	18	195	0	1	8		320362
9	648	190	5	0.58	8.4		321010
0	496	188	2	1	8.2		321506
1	263	185	3	0.84	8.2		321769
2	0						
3	0						
4	1,079	177	8	0.5	8.2		322848
5	545	172	5	0.7	8.1		323393
6	220	170	2	NR	NR		323613
7	311	170	0	0.4	8.2		323924
8	185	168	2	NR	NR		324109
9	0						
0	0						
1	0	168	0	0.8	8.1		324109
TOT	4,942		30				
AVG.	159.42		0.97	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: Willie C. Roberts Date: 3 AUG 00

Title: ASST. MGR - OPERATIONS Cert. #: 10461

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

Public Water Supply Protection

PROGRAM CODE 169 STATION 11515100 SUFFOLK COUNTY REPORTING PERIOD : July 2000

LOCATION: WELL NO. 12

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

Source: Ground Water

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				
		160					239145
1	0						
2	449	160	0	0.6	8		239594
3	0						
4	0						
5	586	151	9	0.6	7.5		240180
6	15	151	0	0.5	8		240195
7	20	151	0	0.5	7.7		240215
8	0						
9	0						
10	0	151	0	0.4	8		240215
11	8	151	0	NR	NR		240223
12	0	151	0	NR	NR		240223
13	0	151	0	NR	NR		240223
14	0	151	0	NR	NR		240223
15	0						
16	0						
17	0	151	0	NR	NR		240223
18	0	151	0	NR	NR		240223
19	0	151	0	NR	NR		240223
20	0	151	0	NR	NR		240223
21	0	151	0	NR	NR		240223
22	0						
23	0						
24	0	151	0	NR	NR		240223
25	0	151	0	NR	NR		240223
26	2	151	0	NR	NR		240225
27	0	151	0	NR	NR		240225
28	35	151	0	0.5	7.6		240260
29	0						
30	0						
31	639	148	3	0.3	8		240899
TOT	1,754		12				
AVG	56.56		0.39	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: Will X Colangelo Date 3 AUG 00

Title Asst. mgr. OPERATIONS Cert. # 10461

8/2/00
Pump Data

MONTHLY GALLONAGE REPORT
Jul2000

Date	Well 4	Well 6	Well 7	Well10	Well11	Well12	Daily Total
1	0	0	0	0	0	0	0
2	1,274	797	2,305	0	0	449	4,825
3	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0
5	1,726	1,572	3,354	0	3	586	7,241
6	805	1,187	502	6	7	15	2,522
7	595	1,345	344	5	192	20	2,501
8	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0
10	1,598	0	3,124	0	0	0	4,722
11	649	366	1,148	5	9	8	2,185
12	604	264	1,293	2	2	0	2,165
13	732	368	1,200	0	0	0	2,300
14	577	472	978	0	310	0	2,337
15	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0
17	2,054	1,257	3,659	6	654	0	7,630
18	569	149	1,225	0	18	0	1,961
19	642	315	1,151	0	648	0	2,756
20	683	267	1,269	0	496	0	2,715
21	554	182	1,184	0	263	0	2,183
22	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0
24	2,118	632	3,833	0	1,079	0	7,662
25	599	278	1,203	82	545	0	2,707
26	462	127	1,200	2	220	2	2,013
27	584	287	1,135	0	311	0	2,317
28	620	261	1,208	0	185	35	2,309
29	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0
31	1,839	730	2,482	0	0	639	5,690
Total	19,284	10,856	33,797	108	4,942	1,754	70,741
		Totalizer		Totalizer		Total(x1,000)	
		This Month		Last Month		Gallons	
	Well 4	1,393,428		1,374,144		19,284	
	Well 6	54,539		43,683		10,856	
	Well 7	197,336 ✓		99,709		97,627 33,797 *	
	Well 10	763,818		763,710		108	
	Well 11	324,109		319,167		4,942	
	Well 12	240,899		239,145		1,754	
AGS Water Supply Meter		142,200		130,346		11854.00	
Medical Reactor - Well 105		76,812,240		71,729,840		5082.40	
Biology Building - Well 9		5,689,130		5,676,070		13.06	

* Mechanical problems encountered with totalizer

H2M LABS, INC.

575 Broad Hollow Road, Melville, NY 11747-5076
(631) 694-3040, FAX: (631) 420-8426 NYS DOH ID# 10478

LABORATORY RESULTS

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

Received : 06-JUL-2000 15:30
Collected By : RL99
Sample Type : Potable Water

Copies To : SCHD
Report Issued : 07/11/2000

Lab Number	Collected	Location	Units Method Limits	I.COLL. BACT. NONE S/M#92723 NEGATIVE	E.COLL. NONE S/M#92723 ABSENT	CHLORINE RESIDUAL mg/L S/M#500C16 N/A
20000706-169	06-JUL-2000 08:15	B-49 WATER TOWER		NEGATIVE 07-JUL-2000 13:15	ABSENT 07-JUL-2000 13:15	0.5 06-JUL-2000
20000706-170	06-JUL-2000 08:45	B-640 WATER TOWER		NEGATIVE 07-JUL-2000 13:15	ABSENT 07-JUL-2000 13:15	1.0 06-JUL-2000
20000706-171	06-JUL-2000 09:00	B-1005 RHIC		NEGATIVE 07-JUL-2000 13:15	ABSENT 07-JUL-2000 13:15	0.7 06-JUL-2000
20000706-172	06-JUL-2000 09:15	B-363 APARTMENT LAUNDRY		NEGATIVE 07-JUL-2000 13:15	ABSENT 07-JUL-2000 13:15	0.2 06-JUL-2000
20000706-173	06-JUL-2000 10:15	B-830 LINAC		NEGATIVE 07-JUL-2000 13:15	ABSENT 07-JUL-2000 13:15	0.4 06-JUL-2000
20000706-174	06-JUL-2000 10:25	B-490 OUTPATIENT CLINIC		NEGATIVE 07-JUL-2000 13:15	ABSENT 07-JUL-2000 13:15	0.3 06-JUL-2000
20000706-175	06-JUL-2000 10:55	B-480 BLOCK 11		NEGATIVE 07-JUL-2000 13:15	ABSENT 07-JUL-2000 13:15	0.2 06-JUL-2000

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

H2M LABS, INC.

575 Broad Hollow Road, Melville, NY 11747-5076
(631)994-3040 . FAX:(631)920-8436 NYSDC#10# 10478

BROOKHAVEN NATIONAL LAB.-BNLM

70 BELL AVE.
UPTON, NY 11973

Federal ID : 5114891

LABORATORY RESULTS

Received : 06-JUL-2000 15:30
Collected By : RL99
Sample Type : Potable Water

Copies To : SCHD
Report Issued : 07/12/2000

Lab Number	Collected	Location	Units Method Litris	T.COIL BACT.	E.COIL
20000706-176	06-JUL-2000 11:15	WELL-4	NEGATIVE SAM9723	NEGATIVE 07-JUL-2000 13:15	ABSENT 07-JUL-2000 13:15
20000706-177	06-JUL-2000 11:10	WELL-6	NEGATIVE SAM9723	NEGATIVE 07-JUL-2000 13:15	ABSENT 07-JUL-2000 13:15
20000706-178	06-JUL-2000 11:00	WELL-7	NEGATIVE SAM9723	NEGATIVE 07-JUL-2000 13:15	ABSENT 07-JUL-2000 13:15
20000706-179	06-JUL-2000 12:50	WELL-10	NEGATIVE SAM9723	NEGATIVE 07-JUL-2000 13:15	ABSENT 07-JUL-2000 13:15
20000706-180	06-JUL-2000 12:35	WELL-11	NEGATIVE SAM9723	NEGATIVE 07-JUL-2000 13:15	ABSENT 07-JUL-2000 13:15
20000706-181	06-JUL-2000 11:25	WELL-12	NEGATIVE SAM9723	NEGATIVE 07-JUL-2000 13:15	ABSENT 07-JUL-2000 13:15
20000706-182	06-JUL-2000 13:30	WTF-PACKED TOWER-648	NEGATIVE SAM9723	NEGATIVE 07-JUL-2000 13:15	ABSENT 07-JUL-2000 13:15

H2M LABS, INC.

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

LABORATORY RESULTS

BROOKHAVEN NATIONAL LAB.-BNLM

70 BELL AVE.
UPTON, NY 11973

Federal ID : 5111891

Received : 06-JUL-2000 15:30

Collected By : RL99

Sample Type : Potable Water

Copies To : SCHD
Report Issued : 07/12/2000

Lab Number	Collected	Location	Units Method Limits	T. COLL. BACT. NONE SA#9223 NEGATIVE	E. COLL. NONE SA#9223 ABSENT
20000706-183	06-JUL-2000 12:30	WELL-10 GAC FILTER-654 RAW/WELL		NEGATIVE 07-JUL-2000 13:15	ABSENT 07-JUL-2000 13:15
20000706-184	06-JUL-2000 12:35	WELL-11 GAC FILTER-655 RAW/WELL		NEGATIVE 07-JUL-2000 13:15	ABSENT 07-JUL-2000 13:15
20000706-185	06-JUL-2000 11:25	WELL-12 GAC FILTER-657 RAW/WELL		NEGATIVE 07-JUL-2000 13:15	ABSENT 07-JUL-2000 13:15

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



ATTACHMENT II

**Brookhaven National Laboratory
Potable Water Supply**

**July 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
July 2000

Sample Location	Sample Date	pH (SU)	Temperature (Degrees F)	Conductivity (μ mhos)	Alkalinity (mg/L)	Calcium (mg/L)
WTP	7/6/00	7.6	55	170	NR	NR
WTP	7/11/00	7.4	55	135	NR	NR
WTP	7/13/00	7.4	56	134	NR	NR
WTP	7/18/00	7.6	57	131	NR	NR
WTP	7/20/00	7.7	56	136	NR	NR
WTP	7/25/00	7.9	56	200	NR	NR
WTP	7/27/00	7.6	57	130	NR	NR
Well 11	7/6/00	7.6	56	166	NR	NR
Well 11	7/11/00	8.0	56	256	NR	NR
Well 11	7/13/00	8.0	56	177	NR	NR
Well 11	7/18/00	8.0	56	215	NR	NR
Well 11	7/20/00	8.2	55	220	NR	NR
Well 11	7/25/00	8.1	56	235	NR	NR
Well 11	7/27/00	8.2	56	206	NR	NR
Well 12	7/6/00	8.0	56	191	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.