

BROOKHAVEN
NATIONAL LABORATORY

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July 10, 2002

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 June 2002

In accordance with the requirements of the BNL Potable Water System Sampling Plan and the 2002 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 June 2002.
- Attachment II: June 2002 Biweekly Water Quality Monitoring Data for the BNL Potable Water Wells and 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

LC/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.02

ATTACHMENT I

**Brookhaven National Laboratory
Potable Water Supply**

**Monthly Bacteriological and Operational
Reports for June 2002**

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169

STATION 11515100

SUFFOLK COUNTY

REPORTING PERIOD:

JUNE 2002

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 Gallons	Free Cl2 Residual	Free Cl2 Residual	Lime Sodium	Totalizer Daily Totalizer	
	K Gals	138	per 24hrs	mg/l	Hydroxide		
1	0						
2	0						
3	2,920	121	17	0.74	7.6	12611669	
4	855	115	6	0.78	7.7	12612524	
5	671	110	5	0.6	7.9	12613195	
6	811	103	7	0.86	7.6	12614006	
7	318	100	3	0.9	7.5	12614324	
8	0						
9	0						
10	499	95	5	1.25	7.1	12614823	
11	371	90+110	5	0.72	7.4	12615194	
12	259	198	2	0.72	7.5	12615453	
13	111	192	6	0.61	7.6	12615564	
14	240	187	5	0.6	7.7	12615804	
15	0						
16	0						
17	53	187	0	1.03	7.7	12615857	
18	261	187	0	0.51	7.6	12616118	
19	11	187	0	0.62	7.7	12616129	
20	5	187	0	1.6	7.6	12616134	
21	64	187	0	0.81	7.6	12616198	
22	0						
23	0						
24	32	187	0	0.64	7.6	12616230	
25	5	187	0	0.58	7.1	12616235	
26	0	187	0	0.02	7.4	12616235	
27	0	187	0	0.72	7.4	12616235	
28	1	187	0	0.48	7.5	12616236	
29	0						
30	0						
31	0		0				
TOT	7,487		61				
AVG.	249.57		2.03	No. Days:	30		

Population Served **3,500**

Number of routine samples 4

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

Number of actual routine samples 7

Does a M&AR violation exist? YES NO

If yes, check reason's below.

Actual number of samples fewer than required.

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

Failure to analyze repeat samples.

Does an MCL violation exist? YES NO

If yes, check reason(s) below.

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

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

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

Reported by: William L. Chelomka

Date: 2 July 2002

Title: Assistant Manager Operations

Certification No. NY0030392

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169	STATION 11515100	SUFFOLK COUNTY	REPORTING PERIOD: JUNE 2002
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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	Liquid Sodium Hypochlorite		Free Cl ₂ Residual	Lime Sodium Hydroxide		
		Gallons	Cl ₂ use per 24hrs				
1	0						
2	0						
3	0	130	0	NR	NR		1479844
4	0	130	0	NR	NR		1479844
5	0	130	0	NR	NR		1479844
6	0	130	0	NR	NR		1479844
7	0	130	0	NR	NR		1479844
8	0						
9	0						
10	0	130	0	NR	NR		1479844
11	0	130	0	NR	NR		1479844
12	0	130	0	NR	NR		1479844
13	0	130	0	NR	NR		1479844
14	0	130	0	NR	NR		1479844
15	0						
16	0						
17	0	130	0	NR	NR		1479844
18	0	130	0	NR	NR		1479844
19	0	130	0	NR	NR		1479844
20	0	130	0	NR	NR		1479844
21	0	130	0	NR	NR		1479844
22	0						
23	0						
24	0	130	0	NR	NR		1479844
25	0	130	0	NR	NR		1479844
26	0	130	0	NR	NR		1479844
27	0	130	0	NR	NR		1479844
28	0	130	0	NR	NR		1479844
29	0						
30	0						
31	0						
TOT	0		0				
AVG.	0.00		0.00	No. Days:	30		

Population Served 3,500

Number of routine samples 4

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

Number of actual routine samples 7

Does a M&AR violation exist? YES NO

If yes, check reason's below.

Actual number of samples fewer than required.

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

Failure to analyze repeat samples.

Does an MCL violation exist? YES NO

If yes, check reason(s) below.

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

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

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

Reported by: Will Chaloyka

Date: 2 July 02

Title: Assistant Manager Operations

Certification No. NY0030392

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169	STATION 11515100	SUFFOLK COUNTY	REPORTING PERIOD: JUNE 2002
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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 Cl ₂ Residual mg/l	Lime Sodium Hydroxide		
		Gallons	Cl ₂ use per 24hrs				
1	0						
2	0						
3	0	130	0	NR	NR	1479844	
4	0	130	0	NR	NR	1479844	
5	0	130	0	NR	NR	1479844	
6	0	130	0	NR	NR	1479844	
7	0	130	0	NR	NR	1479844	
8	0						
9	0						
10	0	1330	0	NR	NR	1479844	
11	0	130	0	NR	NR	1479844	
12	0	130	0	NR	NR	1479844	
13	0	130	0	NR	NR	1479844	
14	0	130	0	NR	NR	1479844	
15	0						
16	0						
17	0	130	0	NR	NR	1479844	
18	0	130	0	NR	NR	1479844	
19	0	130	0	NR	NR	1479844	
20	0	130	0	NR	NR	1479844	
21	0	130	0	NR	NR	1479844	
22	0						
23	0						
24	0	130	0	NR	NR	1479844	
25	0	130	0	NR	NR	1479844	
26	0	130	0	NR	NR	1479844	
27	0	130	0	NR	NR	1479844	
28	0	130	0	NR	NR	1479844	
29	0						
30	0						
31	0						
TOT	0		0				
AVG.	0.00		0.00	No. Days:	30		

Population Served 3,500

Number of routine samples 4

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

Number of actual routine samples 7

Does a M&AR violation exist? YES NO

If yes, check reason's below.

Actual number of samples fewer than required.

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

Failure to analyze repeat samples.

Does an MCL violation exist? YES NO

If yes, check reason(s) below.

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

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

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

Reported by: Wael X Chelija

Date: 7 July 2002

Title: Assistant Manager Operations

Certification No. NY0030392

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169

STATION 11515100

SUFFOLK COUNTY

REPORTING PERIOD:

JUNE 2002

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 Gallons	Free Cl ₂ Residual per 24hrs	Free Cl ₂ Residual mg/l	___ Lime	___ Sodium Hydroxide	
					___ Cl ₂ use per 24hrs	___ Cl ₂ use per 24hrs	
1	0	168					
2	0						
3	1,802	162	6	NR	NR	326929	
4	135	160	2	NR	NR	327064	
5	200	155	5	NR	NR	327264	
6	323	150	5	NR	NR	327587	
7	141	148	2	NR	NR	327728	
8	0						
9	0						
10	15	148	0	0.29	6.4	327743	
11	114	144	4	0.98	5.9	327857	
12	43	142	2	0.07	5.9	327900	
13	0	142	0	0.07	6	327900	
14	55	142	0	0.13	6	327955	
15	0						
16	0						
17	0	142	0	0.22	6.7	327955	
18	51	141	1	0.12	6.6	328006	
19	1	141	0	NR	NR	328007	
20	0	141	0	NR	NR	328007	
21	0	141	0	NR	NR	328007	
22	0						
23	0						
24	0	141	0	NR	NR	328007	
25	0	141	0	NR	NR	328007	
26	0	141	0	NR	NR	328007	
27	0	141	0	NR	NR	328007	
28	0	141	0	NR	NR	328007	
29	0						
30	0						
31	0						
TOT	2,880		27				
AVG.	96.00		0.90	No. Days	30		

Population Served 3,500

Number of routine samples 4

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

Number of actual routine samples 7

Does a M&AR violation exist? YES NO

If yes, check reason's below.

___ Actual number of samples fewer than required.

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

___ Failure to analyze repeat samples

Does an MCL violation exist? YES NO

If yes, check reason(s) below

___ Two or more positive total coliform samples for systems collecting 40 or more samples (routine, repeat or turb) 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 Chelante

Date: 7 July 2002

Title Assistant Manager Operations

Certification No NY0030392

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169	STATION 11515100	SUFFOLK COUNTY	REPORTING PERIOD: JUNE 2002
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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		Totalizer Daily Totalizer 804865
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide		
		Gallons	Cl2 use per 24hrs				
1	0						
2	0						
3	3,280	130	10	0.018	6	808145	
4	1,125	125	5	0.02	6.1	809270	
5	871	110	15	0.42	6.1	810141	
6	1,118	90+110	20	NR	NR	811259	
7	461	195	5	NR	NR	811720	
8	0						
9	0						
10	637	182	13	0.29	6.4	812357	
11	431	175	7	0.98	5.9	812788	
12	265	170	5	0.07	5.9	813053	
13	182	169	1	0.07	6	813235	
14	398	160	9	0.13	6	813633	
15	0						
16	0						
17	122	160	0	0.22	6.7	813755	
18	304	155	5	0.12	6.65	814059	
19	1	155	0	NR	NR	814060	
20	0	155	0	NR	NR	814060	
21	0	155	0	NR	NR	814060	
22	0						
23	0						
24	0	155	0	NR	NR	814060	
25	0	155	0	NR	NR	814060	
26	0	155	0	NR	NR	814060	
27	0	155	0	NR	NR	814060	
28	0	155	0	NR	NR	814060	
29	0						
30	0						
31	0						
TOT	9,195		95				
AVG.	306.50		3.17	No. Days:	30		

Population Served 3,500

Number of routine samples 4

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

Number of actual routine samples 7

Does a M&AR violation exist? YES NO

If yes, check reason's below.

Actual number of samples fewer than required.

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

Failure to analyze repeat samples.

Does an MCL violation exist? YES NO

If yes, check reason(s) below.

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

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

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

Reported by: WAL X Chell
 Title: Assistant Manager Operations

Date: 2 July 2002
 Certification No. NY0030392

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169 STATION 11515100 SUFFOLK COUNTY REPORTING PERIOD: **JUNE 2002**

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 764327
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide		
		Gallons	Cl2 use per 24hrs		Residual	Sodium	
1	0						
2	0						
3	0	58	0	NR	NR	764327	
4	0	58	0	NR	NR	764327	
5	0	58	0	NR	NR	764327	
6	0	58	0	NR	NR	764327	
7	0	58	0	NR	NR	764327	
8	0						
9	0						
10	0	58	0	NR	NR	764327	
11	0	58	0	NR	NR	764327	
12	0	58	0	NR	NR	764327	
13	0	58	0	NR	NR	764327	
14	0	58	0	NR	NR	764327	
15	0						
16	0						
17	0	58	0	NR	NR	764327	
18	0	58	0	NR	NR	764327	
19	0	58	0	NR	NR	764327	
20	0	58	0	NR	NR	764327	
21	0	58	0	NR	NR	764327	
22	0						
23	0						
24	0	58	0	NR	NR	764327	
25	0	58	0	NR	NR	764327	
26	0	58	0	NR	NR	764327	
27	0	58	0	NR	NR	764327	
28	0	58	0	NR	NR	764327	
29	0						
30	0						
31	0						
TOT	0		0				
AVG.	0 00		0 00	No. Days:	30		

Population Served **3,500**

Number of routine samples 4

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

Number of actual routine samples 7

Does a M&AR violation exist? YES _____ NO

If yes, check reason's below.

_____ Actual number of samples fewer than required.

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

_____ Failure to analyze repeat samples.

Does an MCL violation exist? YES _____ NO

If yes, check reason(s) below.

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

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

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

Reported by: *Walter C. Polk*

Date: *2 July 2002*

Title: Assistant Manager Operations

Certification No NY0030392

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169	STATION 11515100	SUFFOLK COUNTY	REPORTING PERIOD: JUNE 2002
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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		Totalizer		
		190					438513
1	0						
2	0						
3	440	185	5	NR	NR		438953
4	1	185	0	0.25	8		438954
5	6	185	0	NR	NR		438960
6	0	185	0	NR	NR		438960
7	263	179	6	NR	NR		439223
8	0						
9	0						
10	1,512	157	22	1.2	6.7		440735
11	303	151	6	0.4	6.7		441038
12	331	145	6	1.2	6.9		441369
13	119	142	3	0.35	6.8		441488
14	2	141	1	0.38	6.7		441490
15	0						
16	0						
17	1	141	0	NR	NR		441491
18	768	127	14	1.1	6.6		442259
19	22	121+79	6	1.05	6.8		442281
20	142	196	4	0.95	6.5		442423
21	391	185	11	NR	NR		442814
22	0						
23	0						
24	0	185	0	0.53	6.6		442814
25	324	177	8	0.02	6.7		443138
26	3	175	2	0.57	6.8		443141
27	3	174	1	0.57	6.6		443144
28	259	168	6	0.71	6.7		443403
29	0						
30	0						
31	0						
TOT	4,890		101				
AVG.	163.00		3.37	No. Days:	30		

Population Served 3,500

Number of routine samples 4

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

Number of actual routine samples 7

Does a M&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? 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: Wally Chalupka

Date: 7 July 2002

Title: Assistant Manager Operations

Certification No. NY0030392

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169	STATION 11515100	SUFFOLK COUNTY	REPORTING PERIOD: JUNE 2002
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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 ₂ Residual	Lime Sodium Hydroxide	522425	
	K Gals	Gallons	Cl ₂ use per 24hrs	mg/l			
1	0						
2	0						
3	1,710	163	18	0.81	7.8	524135	
4	1,002	160	3	0.77	8	525137	
5	759	150	10	0.77	8.4	525896	
6	1,048	142	8	0.87	7.7	526944	
7	1,422	130	12	0.85	7.4	528366	
8	0						
9	0						
10	4,202	94	36	0.95	7.7	532568	
11	1,394	80	14	1	7.6	533962	
12	1,417	70	10	1	7.8	535379	
13	1,428	58	12	1.2	7.7	536807	
14	1,018	135+45	13	0.85	7.8	537825	
15	0						
16	0						
17	3,156	150	30	NR	NR	540981	
18	172	150	0	1.91	7.5	541153	
19	1,276	140+60	10	1.65	7.7	542429	
20	1,304	185	15	1.1	7.7	543733	
21	1,204	175	10	0.76	7.8	544937	
22	0						
23	0						
24	2,955	160	15	0.5	7.5	547892	
25	1,389	150	10	0.81	7.5	549281	
26	1,199	142	8	0.74	7.6	550480	
27	1,377	134	8	0.71	7.6	551857	
28	1,220	127	7	0.81	7.5	553086	
29	0						
30	0						
31	0						
TOT	30,661		249				
AVG.	1022.03		8.30	No. Days.	30		

Population Served 3,500

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

Number of actual routine samples 7

Does a M&AR violation exist? YES NO

If yes, check reason's below.

Actual number of samples fewer than required.

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

Failure to analyze repeat samples

Does an MCL violation exist? YES NO

If yes, check reason(s) below

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

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

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

Reported by: Will Chalupa
 Title: Assistant Manager Operations

Date: 2 July 2002
 Certification No NY0030392

7/1/02
Pump Data

MONTHLY GALLONAGE REPORT
2002 JUNE

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	0	1,802	3,280	0	440	1,710	7,232
4	0	135	1,125	0	1	1,002	2,263
5	0	200	871	0	6	759	1,836
6	0	323	1,118	0	0	1,048	2,489
7	0	141	461	0	263	1,422	2,287
8	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0
10	0	15	637	0	1,512	4,202	6,366
11	0	114	431	0	303	1,394	2,242
12	0	43	265	0	331	1,417	2,056
13	0	0	182	0	119	1,428	1,729
14	0	55	398	0	2	1,018	1,473
15	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0
17	0	0	122	0	1	3,156	3,279
18	0	51	304	0	768	172	1,295
19	0	1	1	0	22	1,276	1,300
20	0	0	0	0	142	1,304	1,446
21	0	0	0	0	391	1,204	1,595
22	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0
24	0	0	0	0	0	2,955	2,955
25	0	0	0	0	324	1,389	1,713
26	0	0	0	0	3	1,199	1,202
27	0	0	0	0	3	1,377	1,380
28	0	0	0	0	259	1,229	1,488
29	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0
Total	0	2,880	9,195	0	4,890	30,661	47,626
		Totalizer			Totalizer		Total(x1,000)
		This Month			Last Month		Gallons
	Well 4	1,479,844			1,479,844		0
	Well 6	328,007			325,127		2,880
	Well 7	814,060			804,865		9,195
	Well 10	764,327			764,327		0
	Well 11	443,403			438,513		4,890
	Well 12	553,086			522,425		30,661
AGS Water Supply Meter		408,708			398,622		10086.00
Medical Reactor - Well 105		0			0		0.00
Biology Building - Well 9		6,506,760			6,419,180		87.58

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. : 0206176-001

Sample Information...
Type : Potable Water
Origin: Dist.

Federal ID 5111891

Client ID. : 14350-01

Collected 6/6/2002 8:30:00 AM

Point No 094-273

Received 6/6/2002 2:22:00 PM

Location: B-49 Water Tower

Collected By RL99

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	6/6/2002 4:30:00 PM
E_Coliform	Absent		Absent	M9223	6/6/2002 4:30:00 PM
Total Residual Chlorine	0.6	mg/L		M4500-Cl G	6/6/2002

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

Date Reported : 6/10/2002



QA Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0206176-002

Sample Information...
Type : Potable Water
Origin: Dist.

Federal ID 5111891

Client ID. : 14350-02

Collected 6/6/2002 8:40:00 AM

Point No 076-408

Received 6/6/2002 2:22:00 PM

Location: B-640 Water Tower

Collected By RL99

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	6/6/2002 4:30:00 PM
E_Coliform	Absent		Absent	M9223	6/6/2002 4:30:00 PM
Total Residual Chlorine	0.7	mg/L		M4500-Cl G	6/6/2002

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

Date Reported : 6/10/2002



QA Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0206176-003

Sample Information...
Type : Potable Water
Origin: Dist.

Federal ID 5111891

Client ID. : 14350-03

Collected 6/6/2002 8:50:00 AM

Point No 045-12

Received 6/6/2002 2:22:00 PM

Location: B-1005 Rhic

Collected By RL99

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	6/6/2002 4:30:00 PM
E_Coliform	Absent		Absent	M9223	6/6/2002 4:30:00 PM
Total Residual Chlorine	0.9	mg/L		M4500-Cl G	6/6/2002

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

Date Reported : 6/10/2002



QA Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : **0206176-004**

Sample Information...
Type : Potable Water
Origin: Dist.

Federal ID 5111891
Collected 6/6/2002 9:15:00 AM Point No 109-19
Received 6/6/2002 2:22:00 PM Location: B-363 Apt.Laundry
Collected By RL99
Copies To BOB LEE

Client ID. : 14350-04

<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	6/6/2002 4:30:00 PM
E_Coliform	Absent		Absent	M9223	6/6/2002 4:30:00 PM
Total Residual Chlorine	0.4	mg/L		M4500-CI G	6/6/2002

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

Date Reported : 6/10/2002



QA Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0206176-005

Sample Information...
Type : Potable Water
Origin: Dist.

Federal ID 5111891

Client ID. : 14350-05

Collected 6/6/2002 9:00:00 AM Point No 075-602

Received 6/6/2002 2:22:00 PM Location: B-725 Nsls

Collected By RL99

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	6/6/2002 4:30:00 PM
E_Coliform	Absent		Absent	M9223	6/6/2002 4:30:00 PM
Total Residual Chlorine	0.7	mg/L		M4500-Cl G	6/6/2002

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

Date Reported : 6/10/2002



QA Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0206176-006

Sample Information...
Type : Potable Water
Origin: Dist.

Federal ID 5111891
Collected 6/6/2002 10:15:00 AM Point No 084-69
Received 6/6/2002 2:22:00 PM Location: B-490 Block 1 Afc
Collected By RL99
Copies To BOB LEE

Client ID. : 14350-06

<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	6/6/2002 4:30:00 PM
E_Coliform	Absent		Absent	M9223	6/6/2002 4:30:00 PM
Total Residual Chlorine	0.4	mg/L		M4500-CI G	6/6/2002

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

Date Reported : 6/10/2002



QA Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0206176-007

Sample Information...
Type : Potable Water
Origin: Dist.

Federal ID 5111891
Collected 6/6/2002 10:30:00 AM
Received 6/6/2002 2:22:00 PM
Collected By RL99
Copies To BOB LEE

Client ID. : 14350-07

Point No 084-68
Location: B-490 Block 4 Mrc

<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	6/6/2002 4:30:00 PM
E_Coliform	Absent		Absent	M9223	6/6/2002 4:30:00 PM
Total Residual Chlorine	0.8	mg/L		M4500-Cl G	6/6/2002

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

Date Reported : 6/10/2002



QA Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0206176-008

Sample Information...
Type : Potable Water
Origin: Dist.

Federal ID 5111891
Collected 6/6/2002 8:46:00 AM Point No 076-408
Received 6/6/2002 2:22:00 PM Location: B-640 Water Tower
Collected By RL99
Copies To BOB LEE

Client ID. : 14350-08

<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	6/6/2002 4:30:00 PM
E_Coliform	Absent		Absent	M9223	6/6/2002 4:30:00 PM
Total Residual Chlorine	0.7	mg/L		M4500-Cl G	6/6/2002

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

Date Reported : 6/10/2002



QA Manager

ATTACHMENT II

**Brookhaven National Laboratory
Potable Water Supply**

**June 2002 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
June 2002

Sample Location	Sample Date	pH (SU)	Temperature (Degrees F)	Conductivity (µmhos)	Alkalinity (mg/L)	Calcium (mg/L)
WTP	6/4/02	7.6	55	143	NR	NR
WTP	6/6/02	7.6	59	150	NR	NR
WTP	6/11/02	7.4	60	170	NR	NR
WTP	6/13/02	7.6	60	143	NR	NR
WTP	6/18/02	7.6	62	143	NR	NR
WTP	6/20/02	7.6	62	153	NR	NR
WTP	6/25/02	7.1	62	158	NR	NR
WTP	6/27/02	7.4	63	160	NR	NR
Well 11	6/4/02	8.0	55	205	NR	NR
Well 11	6/6/02	NR	NR	NR	NR	NR
Well 11	6/11/02	6.7	55	177	NR	NR
Well 11	6/13/02	6.8	56	184	NR	NR
Well 11	6/18/02	6.6	54	176	NR	NR
Well 11	6/20/02	6.5	55	185	NR	NR
Well 11	6/25/02	6.7	55	170	NR	NR
Well 11	6/27/02	6.6	55	170	NR	NR
Well 12	6/4/02	8.0	56	178	NR	NR
Well 12	6/6/02	7.7	56	178	NR	NR
Well 12	6/11/02	7.6	56	167	NR	NR
Well 12	6/13/02	7.7	56	174	NR	NR
Well 12	6/18/02	7.5	54	173	NR	NR
Well 12	6/20/02	7.7	55	168	NR	NR
Well 12	6/25/02	7.5	55	183	NR	NR
Well 12	6/27/02	7.6	55	183	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.