Environmental Services Division



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www.bnl.gov

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

ce: 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

			DRC				ERATION REPORT
PUBL	IC WATE	R SUPPLY F	ROTECTIO	N			
PF	ROGRAM	CODE 169	STATION	11515100	SUFFC	LK COUNTY	REPORTING PERIOD: JUNE 2002
LOC	CATION:	Water Trea	tment Facil	ity			
l					Did an er	nergency occu	r in any part of the water system? YES NO _X
Soc	urce: Gro	und Water				Does the sys	tem have a chlorination waiver? YES NO X
	Treated	Liquid Sodium	Hypochlorite	Free CI2	Lime	Totalizer	
Day of	Water	Gallons	CI2 use	Residual	Sodium	Daily Totalizer	Population Served 3,500
month	K Gals	138	per 24hrs	mg/l	Hydroxide	12608749	
1	0						Number of routine samples 4
2	0			 			(Must collect a minimum of 5 routine samples the month following
3	2,920	121	17	0.74	7.6	12611669	a repeat sample collection)
4	855	115	6	0.78	7.7	12612524	. Number of actual routine samples 7
5	671	110	5	0.6	7.9	12613195	Number of actual routine samples
6	811	103	7	0.86	7.6	12614006	Does a M&AR violation exist? YES NO X
7	318	100	3	0.9	7.5	12614324	Does a M&AR violation exist? YES NO _X
8	0		,				
9	0		_				
10	499	95	5	1.25	7.1	12614823	If yes, check reason's below.
11	371	90+110	5	0.72	7.4	12615194	Actual combined formulae forms their consists of
12	259	198	2	0.72	7.5	12615453	Actual number of samples fewer than required.
13	111	192	6	0.61	7.6	12615564	Sailters to small year from E. Collist these was a positive specific
14	240	187	5	0.6	7.7	12615804	Failure to analyze for E. Coli if there was a positive result for
15	0						total coliform from routine, repeat of high turbidity sample.
16	53	187	0	1.03	7.7	12615857	Failure to analyze repeat samples.
17	261	187	0	0.51	7.6	12616118	
19	11	187	0	0.62	7.7	12616129	Does an MCL violation exist? YES NO X
20	5	187	0	1.6	7.6	12616134	
21	64	187	0	0.81	7.6	12616198	If yes, check reason(s) below.
22	0						
23	0						Two or more positive total coliform samples for systems collecting 40
24	32	187	0	0.64	7.6	12616230	or more samples (routine, repeat or hiturb) per month.
25	5	187	0	0.58	7.1	12616235	
26	0	187	0	0.02	7.4	12616235	Positive E. Coli result followed by a positive total coliform repeat sample.
27	_0	187	0	0.72	7.4	12616235	
28	1	187	0	0.48	7.5	12616236	Positive total coliform result followed by a positive E. Coli repeat sample.
29	0						
30	0						
31	0		0				
тот	7,487		61				
AVG.	249.57		2.03	No. Days:	30		
Re	eported by: (Jil	\. \. \.	Pola	nslæ		Date: 2 July 2002

Title: Assistant Manager Operations

Certification No. NY0030392

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PI	ROGRAM	CODE 169	STATION	11515100	SUFFC	LK COUNTY	REPORTING PERIOD: JUNE 2002
LO	CATION:	WELL NO	. 4				
					Did an er	nergency occu	ir in any part of the water system? YES NO 🗶
Soi	urce: Grou	und Water				Does the sys	r in any part of the water system? YES NO X NO X
		CHLORIN	ATION		рH		
	Treated	Liquid Sodium	Hypochlorite	Free Ci2	Lime	Totalizer	
Day of	Water	Gallons	Cl2 use	Residual	Sodium	Daily Totalizer	Population Served 3,500
month	K Gals	130	per 24hrs	mg/l	Hydroxide	1479844	
1	0						Number of routine samples
2	0						(Must collect a minimum of 5 routine samples the month following
3	0	130	0	NR	NR	1479844	a repeat sample collection)
4	0	130	0	NR	NR	1479844	
5	0	130	0	NR	NR	1479844	Number of actual routine samples
6	0	130	0	NR	NR	1479844	
7	0	130	0	NR	NR	1479844	Does a M&AR violation exist? YES NO
8	0	**					
9	0						
10	0	130	0	NR	NR	1479844	If yes, check reason's below.
11	0	130	0	NR	NR	1479844	
12	0	130	0	NR	NR	1479844	Actual number of samples fewer than required.
13	0	130	0	NR	NR	1479844	
14	0	130	0	NR	NR	1479844	Failure to analyze for E. Coli if there was a positive result for
15	0						total coliform from routine, repeat of high turbidity sample.
16	0						
17	0	130	0	NR	NR	1479844	Failure to analyze repeat samples.
18	0	130	0	NR NR	NR NR	1479844	Does an MCL violation exist? YES NO
							Does an MCL violation exist? YES NO
20	0	130	0	NR	NR	1479844	
21	0	130	U	NR	NR	1479844	If yes, check reason(s) below.
23	0						Turn and the second sec
24	0	130	0	NR	NR	• 1479844	Two or more positive total coliform samples for systems collecting 40 or more samples (routine, repeat or hiturb) per month
25	0	130	0	NR	NR	1479844	or more samples (roddine, repeat or midib) per month
26	0	130	0	NR	NR	1479844	Positive E, Coli result followed by a positive total coliform repeat sample.
27	0	130	0	NR	NR	1479844	Courte E. Con result renoved by a positive total conform repeat sumple.
28	0	130	0	NR	NR	1479844	Positive total coliform result followed by a positive E. Coli repeat sample
29	0			T			
30	0						
31	0						
тот	0		0				
AVG.	0.00		0 00	No. Days:	30		
		a 1000	1111	2/	1: /:	<u> </u>	_
Re	ported by: 🗸	<u> </u>	/x	-leg (ayHo		Date: 2 July 02
	Title: A	Lecietant A	lanager Oi	noratione			Cartification No. NY0030392

DUD	IO MATE		PROTECTIO		ATER SY	STEMS OP	ERATION REPORT
		CODE 169	STATION	1 11515100	SUFFC	OLK COUNTY	REPORTING PERIOD: JUNE 2002
LOC	CATION:	WELL NO		. , , , , , , , , ,	<u></u>	mergency occu	or in any part of the water system? YES NO X
Sou	irce: Gro	und Water			T	Does the sys	tem have a chlorination waiver? YES NO X
		CHLORIN			pH		
	Treated	Liquid Sodium	T	Free CI2	Lime	Totalizer	Population Served 3,500
Day of	Water	Gallons 130	CI2 use	Residual	Sodium	Daily Totalizer	Population Served 3,500
month 1	K Gals	 	per 24hrs	mg/l	Hydroxide	1479044	Number of routine samples
2	0	 			 		(Must collect a minimum of 5 routine samples the month following
3	0		0	NR	NR .	1479844	a repeat sample collection)
4	0		0	NR	NR	1479844	
5	0		0	NR	NR	1479844	Number of actual routine samples
6	0	130	0	NR	NR	1479844	
7	0	130	0	NR	NR	1479844	Does a M&AR violation exist? YES NO 🔀
8	0						
9	0						
10	0	1330	0	NR	NR	1479844	If yes, check reason's below.
11	0	130	0	NR	NR	1479844	
12	o	130	0	NR	NR	1479844	Actual number of samples fewer than required.
13	0	130	0	NR	NR	1479844	
14	0	130	n	NR	NR	1479844	Failure to analyze for E. Coli if there was a positive result for
15	0						total coliform from routine, repeat of high turbidity sample.
16	o						
17	0	130	О	NR	NR	1479844	Failure to analyze repeat samples.
18	0	130	ci .	NR	NR	1479844	
19	0	130	0	NR	NR	1479844	Does an MCL violation exist? YES NO
20	0	130	0	NR	NR	1479844	
21	0	130	0	NR	NR	1479844	If yes, check reason(s) below,
22	0						
23	0						Two or more positive total coliform samples for systems collecting 40
24	0	130	0	NR	NR	1479844	or more samples (routine, repeat or hiturb) per month.
25	0	130	0	NR	NR	1479844	
26	0	130	0	NR	NR	1479844	Positive E. Coli result followed by a positive total coliform repeat sample
27	0	130	0	NR	NR	1479844	
28	0	130	0	NR	NR	1479844	Positive total coliform result followed by a positive E. Coli repeal sample
29	0						
30	0						
31	0						
TOT	0		0				
AVG.	0.00		0 00	No. Days:	30		
Re	ported by:	Will	$1 \propto C$	fole	ja		Date: 2 Joly 200 V
	Title:	Assistant I	Manager C	perations			Certification No. NY0030392

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? Source: Ground Water Does the system have a chlorination waiver? CHLORINATION рΗ Treated Liquid Sodium Hypochlorite Free Cl2 Lime Totalizer Water Gallons Population Served 3,500 Day of Daily Totalizer CI2 use Residual Sodium K Gals month per 24hrs mg/l Hydroxide 325127 4 0 Number of routine samples 2 o (Must collect a minimum of 5 routine samples the month following 3 1.802 NR 326929 6 NR a repeat sample collection) 135 4 160 NR NR 327064 5 200 155 5 NR NR 327264 Number of actual routine samples 6 323 150 5 NR NR 327587 7 141 148 2 NR NR 327728 Does a M&AR violation exist? YES 0 8 9 0 10 15 327743 148 0 0.29 64 If yes, check reason's below, 11 114 144 4 0 98 59 327857 43 12 142 2 0.07 5.9 327900 _ Actual number of samples fewer than required 0 13 142 Ō 0.07 6 327900 55 14 142 0 0 13 6 327955 _Failure to analyze for E. Coli if there was a positive result for 15 0 total coliform from routine, repeat of high turbidity sample. 16 0 17 142 0 0.22 6.7 327955 Failure to analyze repeat samples 18 51 141 1 0.12 66 328006 YES NO X 19 1 141 0 NR NR 328007 Does an MCL violation exist? 0 20 141 0 NR NR 328007 0 21 141 0 NR NR 328007 If yes, check reason(s) below ol 22 0 23 Two or more positive total coliform samples for systems collecting 40 0 24 141 0 NR NR 328007 or more samples (routine repeat or hiturb) per month 0 25 141 0 NR NR 328007 26 0 141 0 NR NR 328007 Positive E. Coli result followed by a positive total coliform repeat sample 0 27 141 Ŋ NR NR 328007 ol 28 141 0 NR NR 328007 Positive total coliform result followed by a positive E. Coli repeat sample o 29 0 30 0 31 TOT 2,880 AVG. 96.00 0 90 No. Days Reported by: Will Date: 2 Joly 2002

Title Assistant Manager Operations

Certification No NY0030392

PUBI	IC WATE	R SUPPLY F	PROTECTIO		ATER SY	STEMS OP	ERATION REPORT
		CODE 169	T	11515100	SUFFC	DLK COUNTY	REPORTING PERIOD: JUNE 2002
LOC	CATION:	WELL NO	0.7		<u>. </u>		
					Did an er	mergency occu	r in any part of the water system? YES NO 💢
Sou	ırce: Grou	ınd Water				Does the sys	tem have a chlorination waiver?
	CHLORINATION			pH			
	Treated	Liquid Sodium	Hypochlorite	Free Cl2	Lime	Totalizer	
Day of	Water	Gallons	CI2 use	Residual	Sodium	Daily Totalizer	Population Served 3,500
month	K Gals	140	per 24hrs	mg/l	Hydroxide	804865	Number of souting complex
1	0		 	 	 		Number of routine samples
3	3,280	130	10	0.018	6	808145	(Must collect a minimum of 5 routine samples the month following a repeat sample collection)
4	1,125	125	5	0.02	6.1	809270	a repeat sample collection)
5	871	110	15	0.42	6.1	810141	Number of actual routine samples 7
6	1,118	90+110	20	NR	NR	811259	
7	461	195	5	NR	NR	811720	Does a M&AR violation exist? YES NO
8	o						•
9	0						
10	637	182	13	0.29	6.4	812357	If yes, check reason's below.
11	431	175	7	0.98	5.9	812788	
12	265	170	5	0.07	5.9	813053	Actual number of samples fewer than required.
13	182	169	1	0.07	6	813235	
14	398	160	9	0.13	6	813633	Failure to analyze for E. Coli if there was a positive result for
15	0						total coliform from routine, repeat of high turbidity sample.
16	122	160	0	0,22	6.7	813755	Failure to analyze repeat samples.
18	304	155	5	0.12	6.65	814059	, and to analyze repeat samples.
19	1	155	0	NR	NR	814060	Does an MCL violation exist? YES NO 💢
20	0	155	0	NR	NR	814060	
21	0	155	0	NR	NR	814060	If yes, check reason(s) below.
22	0						
23	0						Two or more positive total coliform samples for systems collecting 40
24	0	155	0	NR	NR	814060	or more samples (routine, repeat or hiturb) per month.
25	0	155	00	NR	NR	814060	
26	0	155	0	NR	NR	814060	Positive E, Coli result followed by a positive total coliform repeat sample.
27	0	155	0	NR	NR	814060	
28	0	155	0	NR	NR	814060	Positive total coliform result followed by a positive E. Coli repeal sample.
29	0						
30	0						
31 TOT	0 105		95		+		
TOT AVG.	9,195		3.17	No. Days:	30		
		wal	$\angle Cl$				Date: 2 Jely wor

Title: Assistant Manager Operations

Certification No. NY0030392

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? Source: Ground Water Does the system have a chlorination waiver? CHLORINATION pН Treated Liquid Sodium Hypochlorite Free CI2 Lime Totalizer Population Served 3,500 Water Gallons Day of Residual Sodium Daily Totalizer Cl2 use month K Gals 58 per 24hrs mg/i Hydroxide 764327 Number of routine samples ol (Must collect a minimum of 5 routine samples the month following 3 0 0 NR NR 764327 a repeat sample collection) 0 4 0 NR NR 58 764327 5 o 58 0 NR NR 764327 Number of actual routine samples 0 6 58 0 NR NR 764327 7 0 0 764327 YES 58 NR NR Does a M&AR violation exist? 8 0 9 ol 10 0 58 0 NR NR 764327 If yes, check reason's below. 11 0 0 NR NR 764327 0 12 0 58 NR NR 764327 _ Actual number of samples fewer than required. 0 13 0 NR NR 764327 58 0 14 58 0 NR NR 764327 _Failure to analyze for E. Coli if there was a positive result for o 15 total coliform from routine, repeat of high turbidity sample. 0 16 17 0 58 0 NR NR 764327 __Failure to analyze repeat samples. 18 ol 764327 58 Ω NR NR 19 o 0 NR NR 764327 NO X 58 Does an MCL violation exist? 20 0 764327 58 0 NR NR 0 21 58 0 NR NR * 764327 If yes, check reason(s) below. 22 0 0 Two or more positive total coliform samples for systems collecting 40 23 ol 24 58 0 NR NR 764327 or more samples (routine, repeat or hiturb) per month. 25 0 0 NR NR 764327 26 0 ŋ NR NR 764327 Positive E. Coli result followed by a positive total coliform repeat sample 58 27 0 58 0 NR NR 764327 0 28 58 NR NR 764327 Positive total coliform result followed by a positive E. Coli repeat sample o 29 o 30 0 31 TOT ol AVG. 0 00 0.00 No. Days: Reported by: Date: 7 Joly 2002 Certification No NY0030392 Title: Assistant Manager Operations

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER	SUPPLY PROTECTION	

POBL	IC WATE	R SUPPLY F	PROTECTIO	N						
PF	ROGRAM	CODE 169	STATION	11515100	SUFFC	LK COUNTY	REPORTING PERIOD: JUNE 2002			
LOC	LOCATION: WELL NO. 11 Did an emergency occur in any part of the water system? YES NO 🔀									
					Did an er	nergency occu	r in any part of the water system?			
Sou	ırce: Grou	und Water				Does the sys	tem have a chlorination waiver?			
		CHLORIN	ATION		pН					
	Treated	Liquid Sodium		Free CI2	Lime	Totalizer				
Day of	Water	Gallons	CI2 use	Residual	Sodium	Daily Totalizer	Population Served 3,500			
month	K Gals	190	per 24hrs	mg/i	Hydroxide	438513				
1	0						Number of routine samples			
2	0						(Must collect a minimum of 5 routine samples the month following			
3	440	185	5	NR	NR	438953	a repeat sample collection)			
4	1	185	0	0.25	8	438954				
5	6	185	0	NR	NR	438960	Number of actual routine samples			
6	0	185	0	NR	NR	438960				
7	263	179	6	NR	NR	439223	Does a M&AR violation exist? YES NO			
8	0									
ຄ	0									
10	1,512	157	22	1.2	6.7	440735	If yes, check reason's below.			
11	303	151	6	0.4	6.7	441038				
12	331	145	6	1.2	6.9	441369	Actual number of samples fewer than required.			
13	119	142	3	0.35	6.8	441488				
14	2	141	1	0,38	6.7	441490	Failure to analyze for E. Coli if there was a positive result for			
15	0						total coliform from routine, repeat of high turbidity sample.			
16	0									
17	1	141	n	NR	NR	441491	Failure to analyze repeat samples.			
18	768	127	14	1.1	6.6	442259				
19	22	121+79	6	1 05	6.8	442281	Does an MCL violation exist? YES NO			
20	142	196	4	0.95	6.5	442423				
21	391	185	11	NR	NR	442814	If yes. check reason(s) below			
22	0									
23	0						Two or more positive total coliform samples for systems collecting 40			
24	0	185	n	0.53	6.6	442814	or more samples (routine, repeat or hiturb) per month.			
25	324	177	8	0 02	6.7	443138				
26	3	175	2	0.57	6.8	443141	Positive E. Coli result followed by a positive total coliform repeat sample			
27	3	174	1	0 57	6.6	443144				
28	259	168	6	0.71	6.7	443403	Positive total coliform result followed by a positive E. Colì repeat sample			
29	0									
30	0									
31	0									
тот	4,890		101							
AVG.	163.00		3.37	No. Days:	30					
		1 120	1/2	()	P.		211			
Re	eported by: _	Wil	1× 6	Kali	me		Date. 2 July wor			
							V /			

Title: Assistant Manager Operations

Certification No. NY0030392

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION PROGRAM CODE 169 | STATION 11515100 REPORTING PERIOD: JUNE 2002 SUFFOLK COUNTY LOCATION: WELL NO. 12 Did an emergency occur in any part of the water system? Does the system have a chlorination waiver? Source: Ground Water CHLORINATION рΗ Treated Liquid Sodium Hypochlorite Free CI2 _ Lime Totalizer Population Served 3,500 Water Gallons Cl2 use Residual Sodium Daily Totalizer Day of month K Gals 181 per 24hrs mg/l Hydroxide 522425 Number of routine samples 1 0 ol (Must collect a minimum of 5 routine samples the month following 524135 3 1.710 163 18 0.81 7.8 a repeat sample collection) 1,002 160 3 0.77 8 525137 525896 Number of actual routine samples 5 759 150 10 0.77 8.4 77 526944 6 8 0.87 1.048 142 7 1 422 130 12 0.85 7.4 528366 Does a M&AR violation exist? 8 0 9 0 10 4.202 94 36 0.95 7.7 532568 If yes, check reason's below. 80 7.6 533962 11 1,394 14 1 12 1,417 10 7.8 535379 ___ Actual number of samples fewer than required. 536807 7.7 58 12 1.2 13 1,428 537825 ___Failure to analyze for E. Coli if there was a positive result for 14 1,018 135+45 13 0.85 7.8 total coliform from routine, repeat of high turbidity sample 15 0 16 0 NR NR 540981 __Failure to analyze repeat samples 17 3,156 172 0 1.91 7.5 541153 18 150 YES NO X 542429 Does an MCL violation exist? 19 140+60 10 1.65 77 1,276 20 1,304 185 15 1.1 7.7 543733 544937 If yes, check reason(s) below 21 1,204 175 10 0.76 78 22 0 _ Two or more positive total coliform samples for systems collecting 40 0 23 547892 or more samples (routine, repeat or hiturb) per month. 0.5 7.5 2.955 160 15 24 1,389 10 0.81 7.5 549281 25 150 550480 Positive E. Coli result followed by a positive total coliform repeat sample 8 0.74 7.6 26 1.199 142 27 1.377 134 8 0.71 7.6 551857 553086 Positive total coliform result followed by a positive E. Coli repeat sample 1,229 127 0.81 7.5 28 0 29 30 0 31 0 30,661 TOT 249 1022.03 8 30 No. Days. AVG. Date: 2 Jely 2022

Title: Assistant Manager Operations

Certification No NY0030392

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	Ō	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	ļ
22	0	0	0	0	0	0	0	
23	0	0	0	0	0	0	0	Ì
- 24	0	0	0	0	0	2,955	2,955	
25	0	0	0	0	324	1,389	1,713	1
26	0	0	0	0	3	1,199	1,202	
27	0	0	0	0	3	1,377	1,380	
28	0	0	0	Ō	259	1,229	1,488	
29	0	0	0	Ō	0	0	0	
30	0	0	0	-0	0	0	0	
31	0	0	0	Ő	0	0	0	
Total	0	2,880	9,195	0	4,890	30,661	47,626	
1014	O		otalizer		otalizer		Fotal(x1,000)	ł
			nis Month		ast 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 S	Supply Meter		408,708		398,622		10086.00	
Medical Rea	ctor - Well 105	5	0		0		0.00	
Biology Build	ling - Well 9		6.506,760	<u>.</u>	6,419,180		87.58	

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BROOKHAVEN NATIONAL LAB.-BNLM

70 BELL AVE.

UPTON, NY 11973 Attn To:

S. SCARPITTA

Federal ID

Collected

Received

5111891

6/6/2002 8:30:00 AM

6/6/2002 2:22:00 PM

LABORATORY RESULTS

Lab No. : 0206176-001

Sample Information...

Type: Potable Water

Origin: Dist.

Client ID.: 14350-01

Point No 094-273

Location: B-49 Water Tower

Collected By RL99 Copies To **BOB LEE**

Parameter(s) Results Units . <u>Limit</u> Method Number <u>Analyzed</u> 6/6/2002 4:30:00 PM **Total Coliform** Negative Negative M9223 E Coliform Absent Absent M9223 6/6/2002 4:30:00 PM Total Residual Chlorine 0.6 M4500-CI G 6/6/2002 mg/L

QA Manager



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6/6/2002 8:40:00 AM

6/6/2002 2:22:00 PM

Collected By RL99 **BOB LEE** LABORATORY RESULTS

Lab No. : 0206176-002

Sample Information...

Type: Potable Water

Origin: Dist.

Client ID.: 14350-02

Point No 076-408

Location: B-640 Water Tower

Method Number **Analyzed** <u>Units</u> Limit Results Parameter(s) 6/6/2002 4:30:00 PM Negative M9223 Negative **Total Coliform** M9223 6/6/2002 4:30:00 PM Absent Absent E_Coliform M4500-Cl G 6/6/2002 0.7 mg/L **Total Residual Chlorine**

QA Manager

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LABORATORY RESULTS

Lab No. : 0206176-003

Sample Information...

Type: Potable Water

Origin: Dist.

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UPTON, NY 11973

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6/6/2002 8:50:00 AM 6/6/2002 2:22:00 PM Point No 045-12

Collected By RL99

Copies To **BOB LEE** Client ID.: 14350-03

Location: B-1005 Rhic

Parameter(s)	Results	<u>Units</u>	<u>Limit</u>	Method Number	Analyzed
Total Coliform E_Coliform	Negative Absent		Negative Absent	M9223 M9223	6/6/2002 4:30:00 PM 6/6/2002 4:30:00 PM
Total Residual Chlorine	0.9	mg/L		M4500-Cl G	6/6/2002



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6/6/2002 9:15:00 AM

6/6/2002 2:22:00 PM

Collected By RL99
Copies To BOB LEE

LABORATORY RESULTS

Lab No. : 0206176-004

Sample Information...

Type: Potable Water

Origin: Dist.

Client ID.: 14350-04

10

Point No 109-19

Location: B-363 Apt.Laundry

<u>Units</u> <u>Limit</u> Method Number **Analyzed** Results Parameter(s) M9223 6/6/2002 4:30:00 PM Negative Negative **Total Coliform** 6/6/2002 4:30:00 PM M9223 Absent Absent E_Coliform M4500-CI G 6/6/2002 Total Residual Chlorine 0.4 mg/L

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Sym Doute

QA Manager

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LABORATORY RESULTS

Client ID.: 14350-05

Lab No. : 0206176-005

Sample Information...

Type: Potable Water

Origin: Dist.

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Point No 075-602

6/6/2002 9:00:00 AM 6/6/2002 2:22:00 PM

Location: B-725 Nsls

Collected By RL99

Copies To **BOB LEE**

Parameter(s)	<u>Results</u>	<u>Units</u>	<u>Limit</u>	Method Number	Analyzed
Total Coliform E_Coliform	Negative Absent		Negative Absent	M9223 M9223	6/6/2002 4:30:00 PM 6/6/2002 4:30:00 PM
Total Residual Chlorine	0.7	mg/L		M4500-CI G	6/6/2002

QA Manager

H2M LABS, INC.

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Attn To:

Collected

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Copies To

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Federal ID

5111891

6/6/2002 10:15:00 AM

6/6/2002 2:22:00 PM

Collected By RL99 **BOB LEE** LABORATORY RESULTS

Lab No. : 0206176-006

Sample Information...

Type: Potable Water

Origin: Dist.

Client ID.: 14350-06

Parameter(s) Units <u>Limit</u> Method Number **Analyzed** Results 6/6/2002 4:30:00 PM **Total Coliform** Negative Negative M9223 6/6/2002 4:30:00 PM Absent M9223 E_Coliform Absent M4500-Cl G 6/6/2002 mg/L Total Residual Chlorine 0.4

Point No 084-69

Location: B-490 Block 1 Afc

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Federal ID

Collected

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Parameter(s)

Total Coliform

E_Coliform

S. SCARPITTA

Attn To:

5111891

6/6/2002 10:30:00 AM

6/6/2002 2:22:00 PM

Collected By RL99 BOB LEE

Point No 084-68

Location: B-490 Block 4 Mrc

Results **Units** <u>Limit</u>

Absent

Negative

Negative Absent

Client ID.: 14350-07

M9223 M9223

Method Number

6/6/2002 4:30:00 PM 6/6/2002 4:30:00 PM

Total Residual Chlorine

8.0

mg/L

LABORATORY RESULTS

Lab No. : 0206176-007

M4500-Cl G

6/6/2002

Sample Information...

Type: Potable Water

Origin: Dist.

Analyzed

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Collected

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Copies To

Parameter(s)

Total Coliform

E_Coliform

S. SCARPITTA

Federal ID

5111891

6/6/2002 8:46:00 AM

6/6/2002 2:22:00 PM

Collected By RL99 **BOB LEE** LABORATORY RESULTS

Lab No. : 0206176-008

Sample Information...

Type: Potable Water

Origin: Dist.

Analyzed

Client ID.: 14350-08

Location: B-640 Water Tower

Point No 076-408

Results

Negative

Absent

<u>Units</u>

<u>Limit</u>

Negative

Absent

Method Number

M9223

6/6/2002 4:30:00 PM 6/6/2002 4:30:00 PM

Total Residual Chlorine

0.7

mg/L

M4500-Cl G

M9223

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

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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.