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June 7, 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 May 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 May 2002.

Attachment II: May 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 May 2002

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY P	ROTECTION			
PROGRAM CODE 169	STATION 11515100	SUFFOLK COUNTY	REPORTING PERIOD:	MAY

PF	ROGRAM	CODE 169	STATION	11515100	SUFFO	LK COUNTY	REPORTING PERIOD:	MAY	2002	
LOC	ATION:	Water Treat	tment Facili	ty						
					Did an en	nergency occui	in any part of the water system?	YES	NO	Х
Sou	ırce: Grou	ınd Water				Does the syst	em have a chlorination waiver?	YES	NO -	Х
		CHLORINA	NOITA		· pH			Planting Linguista	_	
	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	152	per 24hrs	mg/l	Hydroxide	12605178				
1	0	152	0	NR	NR	12605178	Number of routine samples		4	
2	0	152	0	NR	NR	12605178	(Must collect a minimum of 5 routine sample	- s the month folic	owing	
3	1	152	0	NR	NR	12605179	a repeat sample collection)		-	
4	0							-		
5	0						Number of actual routine samples	_	7	
6	0	152	0	NR	NR	12605179		-		
7	0	152	0	NR	NR	12605179	Does a M&AR violation exist?	YES	МО	Χ
8	o	152	0	NR	NR	12605179	•		_	
9	3	152	0	1.02	7.3	12605182				•
10	0	152	0	0.99	7.2	12605182	If yes, check reason's below,			
11	0									
12	o						Actual number of samples fewer than	required.		
13	0	155	0	1.04	6.8	12605182				
14	0	155	0	0.95	7	12605182	Failure to analyze for E. Coli if there v	vas a positive res	sult for	
15	0	155	0	1.02	7.1	12605182	total coliform from routine, repeat of high	turbidity sample.		
16	0	155	0	1 05	7.3	12605182				
17	0	155	0	1.05	7.3	12605182	Failure to analyze repeat samples.			
18	0									
19	0	<u></u>					Does an MCL violation exist?	YES	ΝО _	X
20	0	155	0	1.03	7.3	12605182				
21	18	155	0	1.02	7.5	12605200	If yes, check reason(s) below.			
22	0	155	0	1.53	7.5	12605200				
23	26	155	0	0.58	7.6	12605226	Two or more positive total coliform sa	imples for system	ns collecting	40
24	441	152	3	0.55	.7.7	12605667	or more samples (routine, repeat or hiturb) p	er month,		
25	0									
26	0						Positive E. Coli result followed by a po	ositive total colifo	rm repeat s	ample.
27	49	149	3	NR	NR	12605716				
28	999	149	0	0.79	7.2	12606715	Positive total coliform result followed l	by a positive E. C	Coli repeat s	ample.
29	653	148	1	0.58	7.5	12607368				
30	146	147	1	0.37	7.5	12607514				
31	1,235	138	9	0.6	7.6	12608749				
тот	3,571		17							
AVG.	115.19		0.55	No. Days:	31	1				
		. 1 1	1				·	_		

Reported by: A (Lass)

Title: Water Systems Supervisor

Date: 6-4-0C

PUBL	IC WATER	R SUPPLY P	ROTECTIO		ATER SY	STEMS OPE	RATION REPORT
PF	ROGRAM	CODE 169	STATION	11515100	SUFFC	LK COUNTY	REPORTING PERIOD: MAY 2002
LOC	CATION:	WELL NO	. 4		Did an er	nergency occur	in any part of the water system? YES NO
Sou	ırce: Grou	und Water					tem have a chlorination waiver?
		CHLORIN	ATION	·	рН		120 NO
	Treated	Liquid Sodium		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	1000
1	0	130	0	NR	NR	1479844	Number of routine samples
2	0	130	0	NR	NR	1479844	(Must collect a minimum of 5 routine samples the month following
3	0	130	0	NR	NR	1479844	a repeat sample collection)
4	0						•
5	0						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	130	0	NR	NR	1479844	
9	0	130	0	NR	NR	1479844	
10	0	130	0	NR	NR	1479844	If yes, check reason's below.
11	0						
12	0						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	130	0	NR	NR	1479844	total coliform from routine, repeat of high turbidity sample.
16	0	130	0	NR	NR	1479844	
17	0	130	0	NR	NR	1479844	Failure to analyze repeat samples.
18	0						
19	0						Does an MCL violation exist? YESNO
20	0		0	NR	NR	1479844	V
21	0		0	NR	NR	1479844	If yes, check reason(s) below.
22	0		0	NR NR	NR	1479844	-
23	0	130	0	NR NR	NR NR	1479844 1479844	Two or more positive total coliform samples for systems collecting 40 or more samples (routine, repeat or hiturb) per month.
24	0		0	INK	INF	1479644	of more samples (roddine, repeat of nituro) per month.
25 26	0						Positive E. Coli result followed by a positive total coliform repeat sample.
27	0		0	NR	NR	1479844	ositive E. Contresuit followed by a positive total collidati repeat sample.
28	0		0	NR	NR	1479844	Positive total coliform result followed by a positive E. Coli repeat sample
29	0		0	NR	NR	1479844	. Solito total solitori result followed by a positive E. Coll repeat sample
30	0		0	NR	NR	1479844	
31	0		0	NR	NR	1479844	
тот	0		0				
AVG.	0.00		0.00	No. Days;	31		
F	Reported by:	Ja	jla	il-		-	Date 6-4-02

тіпе: Water Systems Supervisor

WATER SYSTEMS OPERATION REPORT

DUBLIC WATER	SLIPPLY PROTECTION	•	

PF	ROGRAM	CODE 169	STATION	11515100	SUFFC	LK COUNTY	REPORTING PERIOD: MAY 2002
LOC	CATION:	WELL NO	. 6				
					Did an er	mergency occu	r in any part of the water system? YES NO . L
Sou	ırce: Gro	und Water				Does the sys	tem have a chlorination waiver? YES NO
		CHLORIN	ATION		рН		
	Treated	Liquid Sodium	Hypochlorite	Free Cl2	Lime	Totalizer	
Day of	Water	Gallons	Cl2 use	Residual	Sodium	Daily Totalizer	Population Served 3,500
nonth	K Gals	197	per 24hrs	mg/l	Hydroxide	323696	
1	0	197	0	NR	NR	323696	Number of routine samples
2	0	197	0	NR	NR	323696	(Must collect a minimum of 5 routine samples the month following
3	0	197	0	NR	NR	323696	a repeat sample collection)
4	0						
5	0						Number of actual routine samples
6	0	197	0	NR	NR	323696	
7	0	197	0	NR	NR	323696	Does a M&AR violation exist? YESNO
8	0	197	0 .	NR	NR	323696	
9	0	197 ,	0	NR	NR	323696	
10	0	197	0	NR	NR	323696	If yes, check reason's below.
11	0						
12	0		ļ				Actual number of samples fewer than required.
13	0	197	0	NR	NR	323696	
14	0	197	0	NR	NR	323696	Failure to analyze for E. Coli if there was a positive result for
15	0	197	0	NR	NR	323696	total coliform from routine, repeat of high turbidity sample.
16	0	197	0	NR	NR	323696	
17	0	197	0	NR	NR	323696	Failure to analyze repeat samples.
18	0				ļ,		
19	0						Does an MCL violation exist? YES NO
20	0	197	. 0	NR	NR	323696	,
21	. 0	197	0	NR	NR	323696	If yes, check reason(s) below.
22	0	197	0	NR	NR	323696	
23	0	197	0	NR	NR	323696	Two or more positive total coliform samples for systems collecting 40
24	276	190	7	0.02	6	323972	or more samples (routine, repeat or hiturb) per month.
25	0	1		-	-		
26	0						Positive E. Coli result followed by a positive total coliform repeat sample
27	67	189	1	NR	NR	324039	
28	20	188	1	0.07	6	324059	Positive total coliform result followed by a positive E. Coli repeat sample
29	419	180	8	0.5	6	324478	
30	42	179	3	0.03	6 .	324520	
31	607	168	11	0.08	5.9	325127	
тот	1,431		31	<u> </u>	ļ		,
AVG.	46.16		1.00	No. Days:	31		
		Ja					Date: 6-4-82

Title: Water Systems Supervisor

WATER SYSTEMS OPERATION REPORT

ΡI	IRLIC	MATER	SUPPLY	PROTE	CTION

Title: Water Systems Supervisor

PROGRAM CODE 169 STATION 11515100					SUFFOLK COUNTY		REPORTING PERIOD: MAY 2002
LOC	CATION:	WELL NO	. 7				
					Did an en	nergency occu	r in any part of the water system? YES NO
Sou	ırce: Grou	ınd Water					tem have a chlorination waiver?
		CHLORIN	ATION		pH		125
	Treated	Liquid Sodium		Free Cl2	Lime	Totalizer	
Day of	Water	Gallons	CI2 use	Residual	Sodium	Daily Totalizer	Population Served 3,500
month	K Gals	160	per 24hrs	mg/l	Hydroxide	800633	, opanianon
1	0	160	0	NR	NR	800633	Number of routine samples
2	0	160	0	NR	NR	800633	(Must collect a minimum of 5 routine samples the month following
3	0	160	0	NR	NR	800633	a repeal sample collection)
4	0						· · · · · · · · · · · · · · · · · · ·
5	0						Number of actual routine samples
6	0	160	0	NR	NR	800633	(
7	0	160	0	NR	NR	800633	Does a M&AR violation exist? YES NO
8	0	160	0	NR	NR	800633	
9	. 0	160	0	NR	NR	800633	
10	0	160	0	NR	NR	800633	If yes, check reason's below.
11	0						
12	o						Actual number of samples fewer than required.
13	0	160	0	NR	NR	800633	
14	0	160	0	NR	NR	800633	Failure to analyze for E Coli if there was a positive result for
15	0	160	0	NR	NR	800633	total coliform from routine, repeat of high turbidity sample.
16	0	160	0	NR	NR	800633	
17	0	160	0	NR	NR	800633	Failure to analyze repeat samples.
18	0						
19	0						Does an MCL violation exist? YES NO
20	0	160	0	NR	NR	800633	•
21	0	160	0	NR	NR	800633	If yes, check reason(s) below.
22	0	160	0	NR	NR	800633	
23	0	160	0	NR	NR	800633	Two or more positive total coliform samples for systems collecting 40
24	689	155+45	5	0.02	6	801322	or more samples (routine, repeat or hiturb) per month.
25	0						Desition F. Collisson II fellowed to the Collision of the
26 27	1,439	188	12	NR	NR	802761	Positive E. Coli result followed by a positive total coliform repeat sample.
28	22	180	8	0.07	6	802783	Positive total coliform result followed by a positive E. Coli repeat sample
29	646	168	12	0.5	6	803429	only countries at tollowed by a positive E. Con repeat sample
30	141	162	6	0.03	6	803570	
31	1,295	140	22	0.08	5.9	804865	
тот	4,232		65				·
AVG.	136.52		2 10	No. Days:	31		
		c/A	<u> </u>				
R	eported by:	1.40	Dolp				Date: 6-4-8Z

PR	OGRAM (CODE 169	STATION	11515100	SUFFO	LK COUNTY	REPORTING PERIOD: MAY	2002	
LOC	ATION:	WELL NO	. 10						
					Did an en	nergency occur	in any part of the water system? YES	NO	
Sou	rce: Grou	ınd Water				Does the syst	em have a chlorination waiver?	NO	V
		CHLORIN	ATION		рН		-	_	
	Treated	Liquid Sodium	Hypochlorite	Free Cl2	Lime	Totalizer			
ay of	Water	Gallons	CI2 use	Residual	Sodium	Daily Totalizer	Population Served 3,500		
nonth	K Gals	58	per 24hrs	mg/l	Hydroxide	764327		16	
1	0	58	0	NR	NR	764327	Number of routine samples	1	
2	0	58	0	NR	NR	764327	(Must collect a minimum of 5 routine samples the month follows:	ng	
3	0	58	0	NR	NR	764327	a repeat sample collection)		
4	0							~	
5	0		<u> </u>		<u> </u>		Number of actual routine samples		
6	0	58	0	NR	NR	764327	•		
7	0	58	0	NR	NR	764327	Does a M&AR violation exist? YES	ΝО -	
8	0	58	0	NR	NR	764327			
9	0	58	0	NR NR	NR	764327			
10	0	58	0	NR	NR	764327	If yes, check reason's below.	•	
11	0								
12	0			NID.		704007	Actual number of samples fewer than required.		***
13	0		0	NR NR	NR NR	764327 764327	Failure to analyze for F. Cali if there was a positive result	for	
14	0	58	0	NR '	NR	764327	Failure to analyze for E. Coli if there was a positive result total coliform from routine, repeat of high turbidity sample.	101	
15	0	58 58	0	NR NR	NR	764327	total conform from routine, repeat or high turbulity Sample.		
16	0		0	NR	NR NR	764327	Failure to analyze repeat samples.		
17 18	0								
19	0						Does an MCL violation exist? YES	МО	2
20	0	58	0	NR	NR	764327		-	
21	0	58	0	NR	NR	764327	If yes, check reason(s) below.		
22	0	58	0	NR	NR	764327			
23	0	58	0	NR	NR	764327	Two or more positive total coliform samples for systems	collecting	₃ 40
24	0	58	0	NR	NR	764327	or more samples (routine, repeat or hiturb) per month		
25	0								
26	0						Positive E. Coli result followed by a positive total coliform	repeat s	ample
27	0	58	0	NR	NR	764327			
28	0	58	0	NR	NR	764327	Positive total coliform result followed by a positive E. Coli	i repeat s	ample
29	0	58	0	NR	NR	764327			
30	c	58	0	NR	NR	764327			
31	9	58	0	NR	NR	764327			
TOT	c		0		 	1			
AVG	0.00	20	0.00	No. Days:	31				

Number of routine samples Failure to analyze ropeat samples Failure to analyze ropeat samples Failure to analyze ropeat samples	PR	OGRAM (CODE 169	STATION	11515100	SUFFO	LK COUNTY	REPORTING PERIOD: MAY 2002
CHUCRINATION	LOC	ATION:	WELL NO.	. 11				
CHLORINATION						Did an en	nergency occur	in any part of the water system? YES NO
CHURINATION	Sou	rce: Grou	ınd Water				Does the syste	em have a chlorination waiver? YES NO
Treated				ATION		Ha		
Water Collons Cit use Readual Sodiem Deliy Totalizer Population Served 3,500	ŀ	T10-d			Free CI2		Totalizer	
March Koron Koro								Population Served 3.500
1						1		
1				<u> </u>				Number of routine samples
3 895 75+125 7 1.3 7.1 419801 a repeat sample collection) 4 0 0				 			418106	(Must collect a minimum of 5 routine samples the month following
Namber of actual routine samples Namber of actual routine Namber of actual						İ		
Number of actual routine samples No.	3		/5+125	 	1.3	7.1	4100011	a repeat sample consensity
6 1,654 170 30 0,74 0,8 420435 7 934 155 15 1,16 6.8 421569 8 1,091 140 15 0.6 6.8 422400 9 567 130 10 1,12 6.8 42391 10 554 128-42 2 0,75 6.8 42391 11 0								Number of actual routine samples
1,004	5	0						Trained of usual reasons campies
1,091					1	 	 	Dags a MS A B violation aviet? VEC NO 6
1	7	934	155	15	1.16	0,0	-	Does a waare violation exist?
S	8	1,091	140	15	06	6.6	422460	
10	9	567	130	10	1.12	6.6	423027	
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 for E. Coli if there was a positive result for total coliform from routine, repeat of high turbidity sample. 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 for E. Coli if there was a positive result for total coliform from routine, repeat of high turbidity sample. Failure to analyze for E. Coli if total coliform samples for systems collecting or more samples (routine, repeat or hilurb) per month. Positive E. Coli result followed by a positive total coliform repeat or hilurb	10	554	128+42	2	0.75	6.6	423581	If yes, check reason's below.
2, 186 155 15 2.7 5.9 425767 14 848 150 5 0.47 6.6 426815 15 784 145 5 0.13 6.8 427399 16 451 142 3 0.92 6.8 427850 17 1,167 135+45 7 0.85 6.8 429017 18 0	11	0						
14	12	0						Actual number of samples fewer than required.
15	13	2,186	155	15	2.7	5.9	425767	
13	14	848	150	5	0.47	6.6	426615	Failure to analyze for E. Coli if there was a positive result for
17	15	784	145	5	0.13	6.8	427399	total coliform from routine, repeat of high turbidity sample.
17	16	451	142	3	0.92	6.8	427850	
18 0 0		1.167	135+45	7	0.85	6.8	429017	Failure to analyze repeat samples.
Does an MCL violation exist? YES NO 20 2,607 165 15 0.7 6.8 431624 21 817 150 15 0.51 6.7 432441 22 446 140 10 0.35 7.6 432887 23 1,076 112 28 2.2 6.9 433963 24 574 105+75 7 0.22 6.9 434537 25 0								
21 817 150 15 0.51 6.7 432441 22 446 140 10 0.35 7.6 432887 23 1,076 112 28 2.2 6.9 433963 24 574 105+75 7 0.22 6.9 434537 25 0								Does an MCL violation exist? YES NO ${\cal L}$
21 817 150 15 0.51 6.7 432441 22 446 140 10 0.35 7.6 432887 23 1.076 112 28 2.2 6.9 433963 24 574 105+75 7 0.22 6.9 434537 25 0	20	2 607	165	15	0.7	6.8	431624	
22 446 140 10 0.35 7.8 432887 23 1,076 112 28 2.2 6.9 433963 24 574 105+75 7 0.22 6.9 434537 25 0 — Positive E. Coli result followed by a positive total coliform repeat or hiturb) per month. 26 0 — Positive E. Coli result followed by a positive total coliform repeat or hiturb) per month. 27 1,380 155 25 0.51 6.9 435917 28 2,013 111 44 1.4 7.2 437930		 		15	0.51	6.7	432441	If yes, check reason(s) below.
23					0.35	7.6	432887	
24 574 105+75 7 0.22 6.9 434537 or more samples (routine, repeat or hiturb) per month. 25 0						6.9	433963	Two or more positive total coliform samples for systems collecting 40
25 0 Positive E. Coli result followed by a positive total coliform repeat Positive E. Coli result followed by a positive E. Coli result followed by a positive E. Coli repeat Positive total coliform repeat Positive total coliform result followed by a positive E. Coli repeat Positive total coliform result followed by a positive E. Coli repeat Positive total coliform result followed by a positive E. Coli repeat Positive total coliform result followed by a positive E. Coli repeat Positive total coliform result followed by a positive E. Coli repeat Positive total coliform result followed by a positive E. Coli repeat Positive total coliform result followed by a positive E. Coli repeat Positive total coliform result followed by a positive E. Coli repeat Positive total coliform result followed by a positive E. Coli repeat Positive total coliform result followed by a positive E. Coli repeat Positive total coliform result followed by a positive E. Coli repeat Positive total coliform result followed by a positive E. Coli repeat Positive total coliform result followed by a positive E. Coli repeat Positive total coliform result followed by a positive E. Coli repeat Positive total coliform result followed by a positive E. Coli repeat Positive total coliform result followed by a positive E. Coli repeat Positive total coliform result followed by a positive E. Coli repeat Positive total coliform result followed by a positive E. Coli repeat Positive total coliform result followed by a positive E. Coli repeat Positive E. Coli result followed by a positive E. Coli result followed by a positive E. Coli result followed by a positive E. Coli repeat Positive E. Coli result followed by a positive E.			1					
			1	<u> </u>	1			
27					 	 		Positive F. Coli result followed by a nositive total coliform repeat sample
28				+	0.51	6.0	425047	. Colling C. Son recent followed by a positive total conform repeat sample
29 70 110+90 1 0.27 7.3 438000 30 493 190 10 0.31 7.4 438493 31 20 190 0 0.21 6.8 438513 TOT 21,790 298 AVG. 702.90 9.61 No. Days: 31	27	1,380	+		+			Dealth a fatal selffarm result fall and by a selfting E. Call and a self-
30	.28	2,013	T		 			rostave total collional result followed by a postave E. Coll repeat sample
31 20 190 0 0.21 6.8 438513 TOT 21,790 298 AVG. 702.90 9.61 No. Days: 31	29	70	110+90				-	
TOT 21,790 298 AVG. 702,90 9.61 No. Days: 31	30	493	3 190	10				·
AVG. 702.90 9.61 No. Days: 31	31	20	190	0	0.21	6.8	438513	
	тот	21,79	0	298	-		1	
	AVG.	702.9				31		
Reported by Land Date: 6-9-07		Reported by	Sc	Res	2	-,		Date: 6-4-07

PR	OGRAM C	ODE 169	STATION	11515100	SUFFO	LK COUNTY	REPORTING PERIOD: MAY 2002
	ATION:	WELL NO	. 12		Díd an en	- -	in any part of the water system? YES NO C NO C
Sou	rce: Giou					7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	<u> </u>
}		CHLORIN		T	рН		
-		Liquid Sodium	1	Free CI2	Lime	Totalizer	Population Served 3,500
y of	Water	Gallons	Cl2 use	Residual	Sodium	Daily Totalizer 479758	1 opulation derved 5,500
onth	K Gals	177	per 24hrs	mg/l 1.6	Hydroxide 8.4	481157	Number of routine samples
1	1,399	163				 	
2	1,416	145	18	1.3	8.1	482573	(Must collect a minimum of 5 routine samples the month following
3	1,395	140+40	5	0.3	8	483968	a repeat sample collection)
4	0		-				Number of actual routine samples
5	0						Number of actual routine samples
6	4,084	135	45	0	8	488052	Does a M&AR violation exist? YES NO
7	1,361	120	15	1.24	7.9	489413	Does a M&AR violation exist? YES NO L
8	1,374	100	20	1.16	7.8	490787	
9	1,408	85	15	1,15	7.9	. 492195	
10	1,411	70+130	15	1.19	7.9	493606	If yes, check reason's below.
11	0		 		ļ	-	
12	0			ļ	ļ		Actual number of samples fewer than required.
13	4,200	155	45	1.06	7.9	497806	
14	1.386	140	15	1.4	7.8	499192	Failure to analyze for E. Coli if there was a positive result for
15	1,422	125	15	1.2	8	500614	total coliform from routine, repeat of high turbidity sample.
16	1,394	110	15	0.99	8.1	502008	
17	1,387	95+105	15	1.05	8.1	503395	Failure to analyze repeat samples.
18	0		ļ			<u> </u>	
19	0						Does an MCL violation exist? YES NO C
20	4,155	157	43	0.72	8.3	507550	
21	1,388	141_	16	1.29	8.2	508938	If yes, check reason(s) helow.
22	1,402	130	11	1.33	8.2	510340	
23	1,380	115	15	0.9	7.6	511720	Two or more positive total coliform samples for systems collecting 40
24	1,427	102+98	13	0,96	7.6	513147	or more samples (routine, repeat or hiturb) per month.
25	0		,				
26	0			<u> </u>			Positive E. Coli result followed by a positive total coliform repeat samp
27	3,540	170	30	0.9	7.6	516687	
28	2.024	152	18	0.92	7.3	518711	Positive total coliform result followed by a positive E. Coli repeat samp
29	1,418	140+60	12	0.98	7.5	520129	
30	1,361		10	1	8.4	521490	
31	935		9	1	8.2	522425	
тот	 		429				
AVG			13.84	No. Days:	31		
	Reported by:		NOT,	<u></u>			Date:6-9-60 Z

5/31/02 Pump Data

MONTHLY GALLONAGE REPORT 2002 may

Date	Well 4	Well 6	Well 7	Well10	Well11	Well12	Daily Total	
1	0	0	0	0	797	1,399	2,196	
2	0	0	Ö	0	586	1,416	2,002	•
3	0	0	Ó	0	695	1,395	2,090	
4	0	0	0	0	0	0	0	
5	0	0	Ō	0	0	. 0	0	
6	0	0	0	0	1,634	4,084	5,718	
7	Ō	0	0	0	934	1,361	2,295	
8	0	0	Ó	0	1,091	1,374	2,465	
9	0	0	, 0	0	567	1,408	1,975	
i .	0	0	0	0	554	1,411	1,965	
10	0	0	0	0	0	0	1,500	
11		0	Ö.	.0	0	0	0	
12	0	0	0	0	2,186	4,200	6,386	
13	0	0	0	0	848	1,386	2,234	
14	0	_	Ö		784			
15	0	0		0	784 451	1,422	2,206	
16	0	. 0	0	0		1,394	1,845	
17	0	0	0.	0	1,167	1,387	2,554	
18	0.	0	0	0	0	0	0	
19	0	0	_0_	0.	0	0	0	
20	0	0	.0	0	2,607	. 4,155	6,762	
21	0	0	0	. 0	817	1,388	2,205	
22	0	. 0	0	0	446	1,402	1,848	
23	0	0	, 0 ,	0	1,076	1,380	2,456	
24	0	276	689	0	574	1,427	2,966	
25	0	. 0	.0.	0	0	0	0	
26	0	0	0	0	. 0	0	. 0	
27	0	67	1,439	0	1,380	3,540	6,426	
28	0	20	22	0	2,013	2,024	4,079	'
29	0	419	646	0	70	1,418	2,553	
30	0	42	141	0	493	1,361	2,037	
31	0	607	1,295	0	20	935	2,857	
Total	0	1,431	4,232	0	21,790	42,667	70,120	
}			Totalizer	• • •	Totalizer		Total(x1,000)	
ļ			This Month	٠.	Last Month		Gallons	
	•	Well 4	1,479,844		1,479,844		0	
				•				
		Well 6	325,127		323,696		1,431	
		Well 7	804,865		800,633		4,232	
		Well 10	764,327		764,327		. 0	
	•• w,	Well 11	438,513		416,723		21,790	
		Well 12	522,425		479,758		42,667	
AGS Wate	er Supply Meter		398,622		368,852		29770.00	
Medical R	eactor - Well 1	05	0	[0		0.00	

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

LABORATORY RESULTS

Client ID.: 13457-01

Lab No.: 0205068-001

Sample Information...

Type: Potable Water

Origin: Dist.

BROOKHAVEN NATIONAL LAB.-BNLM

70 BELL AVE.

UPTON, NY 11973

Attn To:

S. SCARPITTA

Federal ID Collected

Received

5111891

5/2/2002 2:47:00 PM

5/2/2002 12:45:00 PM

Point No 094-273

Location: B-49 WATER TOWER

Collected By PP99

Copies To

BOB LEE

Parameter(s)	Results	<u>Units</u>	<u>Limit</u>	Method Number	Analyzed
Total Coliform E_Coliform	Negative Absent		Negative Absent	M9223 M9223	5/2/2002 4:15:00 PM 5/2/2002 4:15:00 PM
Total Residual Chlorine	0.7	mg/L		M4500-CI G	5/2/2002

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

Date Reported:

5/7/2002

Joann M. Slavin

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

BROOKHAVEN NATIONAL LAB.-BNLM

70 BELL AVE.

UPTON, NY 11973

Attn To:

S. SCARPITTA

Federal ID Collected 5111891

5/2/2002 10:45:00 AM 5/2/2002 2:47:00 PM

Received 5/2/20 Collected By PP99

Parameter(s)

Total Coliform

E Coliform

Copies To

BOB LEE

LABORATORY RESULTS

Lab No.: 0205068-002

Sample Information...

Type: Potable Water

5/2/2002 4:15:00 PM

Origin: Dist.

Client ID.: 13457-02

Absent

Point No 076-408

Location: B-640 WATER TOWER

Results

Absent

Negative Negative M9223 5/2/2002 4:15:00 PM

M9223

Total Residual Chlorine 0.7 mg/L M4500-Cl G 5/2/2002

Joann M. Slavin

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

BROOKHAVEN NATIONAL LAB.-BNLM

.70 BELL AVE.

UPTON, NY 11973

Attn To:

Collected

Received

S. SCARPITTA

Federal ID

5111891 5/2/2002 10:30:00 AM

5/2/2002 2:47:00 PM

Collected By PP99

Copies To **BOB LEE**

LABORATORY RESULTS

Lab No. : 0205068-003

Sample Information...

Type: Potable Water

Origin: Dist.

Client ID.: 13457-03

Parameter(s)	<u>Results</u>	<u>Units</u>	<u>Limit</u>	Method Number	Analyzed
Total Coliform E_Coliform	Negative Absent		Negativ Absent	e M9223 M9223	5/2/2002 4:15:00 PM 5/2/2002 4:15:00 PM
Total Residual Chlorine	1.0	mg/L		M4500-CI G	5/2/2002

Point No 045-12

Location: B-1005 RHIC

Date Reported:

5/7/2002

Joann M. Slavin

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BROOKHAVEN NATIONAL LAB.-BNLM

70 BELL AVE.

UPTON, NY 11973

Attn To: Federal ID

S. SCARPITTA

5111891

5/2/2002 9:15:00 AM

Collected Received

5/2/2002 2:47:00 PM

Collected By PP99 Copies To

BOB LEE

LABORATORY RESULTS

Lab No.: 0205068-004

Sample Information...

Type: Potable Water

Origin: Dist.

Client ID.: 13457-04

Point No 109-19

Location: B-363 APT.LAUNDRY

Results Method Number <u>Units</u> Limit <u>Analyzed</u> Parameter(s) Negative M9223 5/2/2002 4:15:00 PM Negative Total Coliform Absent M9223 5/2/2002 4:15:00 PM Absent E_Coliform 0.7 mg/L M4500-CI G 5/2/2002 Total Residual Chlorine

Joann M. Slavin

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

LABORATORY RESULTS

Lab No. : 0205068-005

Sample Information...

Type: Potable Water

Origin: Dist.

BROOKHAVEN NATIONAL LAB.-BNLM

70 BELL AVE.

UPTON, NY 11973

Attn To:

S. SCARPITTA

Federal ID

5111891

Collected Received

5/2/2002 10:20:00 AM 5/2/2002 2:47:00 PM

Point No 054-187

Collected By PP99

Copies To

BOB LEE

Client ID.: 13457-05

Location: B-930 LINAC

Parameter(s)	Results	<u>Units</u>	<u>Limit</u>	Method Number	Analyzed	
Total Coliform E_Coliform	Negative Absent		Negative Absent	e M9223 M9223	5/2/2002 4:15:00 PM 5/2/2002 4:15:00 PM	
Total Residual Chlorine	1.0	mg/L		M4500-CI G	5/2/2002	

Joann M. Slavin

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

BROOKHAVEN NATIONAL LAB.-BNLM

70 BELL AVE. **UPTON. NY 11973**

Attn To:

S. SCARPITTA

Federal ID Collected

Received

5111891

5/2/2002 11:05:00 AM 5/2/2002 2:47:00 PM

Collected By PP99 Copies To

Parameter(s)

BOB LEE

Total Residual Chlorine

LABORATORY RESULTS

Lab No.: 0205068-006

Sample Information...

Type: Potable Water

Origin: Dist.

Client ID.: 13457-06

Point No 084-70

0.9

Location: B-490 OUTPATIENT CLINIC

Units Limit Method Number Results Analyzed

Negative Total Coliform E_Coliform Absent

Negative Absent

M9223 M9223 5/2/2002 4:15:00 PM 5/2/2002 4:15:00 PM

mg/L

M4500-CI G

5/2/2002

Result(s) reported meet(s) Regulatory Limit(s).

Date Reported:

5/7/2002

Joann M. Slavin

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70 BELL AVE.

UPTON, NY 11973

Attn To:

Collected

Received

S. SCARPITTA

Federal ID

5111891

5/2/2002 11:20:00 AM

5/2/2002 2:47:00 PM

Collected By PP99 Copies To

BOB LEE

LABORATORY RESULTS

Lab No. : 0205068-007

Sample Information...

Type: Potable Water

Origin: Dist.

Client ID.: 13457-07

Point No 084-67 Location: B-490 BLOCK 11

Parameter(s)	<u>Results</u>	<u>Units</u>	<u>Limit</u>	Method Number	Analyzed
Total Coliform E_Coliform	Negative Absent		Negative Absent	e M9223 M9223	5/2/2002 4:15:00 PM 5/2/2002 4:15:00 PM
Total Residual Chlorine	0.5	mg/L		M4500-Cl G	5/2/2002

Date Reported:

5/7/2002

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BROOKHAVEN NATIONAL LAB.-BNLM

70 BELL AVE.

Federal ID

Collected

UPTON, NY 11973

Attn To: S. SCARPITTA

5111891

5/2/2002 10:45:00 AM

Received 5/2/2002 2:47:00 PM

Collected By PP99
Copies To BOB LEE

LABORATORY RESULTS

Lab No.: 0205068-008

Sample Information...

Type: Potable Water

Origin: Dist.

Client ID.: 13457-08

Point No 076-408

Location: B-640 WATER TOWER

Units Limit Method Number Results Analyzed Parameter(s) Negative Negative M9223 5/2/2002 4:15:00 PM Total Coliform Absent Absent M9223 5/2/2002 4:15:00 PM E_Coliform M4500-CI G Total Residual Chlorine 0.7 mg/L 5/2/2002 _

Result(s) reported meet(s) Regulatory Limit(s).

Result(s) flagged with

Exceed Regulatory Limit(s). Limit noted.

Date Reported:

5/7/2002

Joann M. Slavin

ATTACHMENT II

Brookhaven National Laboratory Potable Water Supply

May 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 May 2002

Sample Location	Sample Date	pH (SU)	Temperature (Degrees F)	Conductivity (µmhos)	Alkalinity (mg/L)	Calcium (mg/L)
WTP	5/2/02	7.3	58	179	NR	NR
WTP	5/7/02	7.3	56	180	NR	NR
WTP	5/9/02	7.2	56	175	NR	NR
WTP	5/14/02	7.0	59	179	NR	NR
WTP	5/16/02	7.3	59	170	NR	NR
WTP	5/21/02	7.5	59	183	NR	NR
WTP	5/23/02	7.6	60	189	NR	NR
WTP	5/28/02	7.4	59	180	NR	NR
WTP	5/30/02	7.5	57	138	NR	NR
Well 11	5/2/02	7.0	55	205	NR	NR
Well 11	5/7/02	6.6	54	199	NR	NR
Well 11	5/9/02	6.6	55	193	NR	NR
Well 11	5/14/02	6.6	55	182	NR	NR
Well 11	5/16/02	6.8	55	191	NR	NR
Well 11	5/21/02	6.7	55	201	NR	NR
Well 11	5/23/02	6.9	55	205	NR	NR
Well 11	5/28/02	7.2	55	196	NR	NR
Well 11	5/30/02	7.4	55	175	NR	NR
Well 12	5/2/02	8.1	56	215	NR	NR
Well 12	5/7/02	7.9	54	174	NR	NR
Well 12	5/9/02	7.9	54	174	NR	NR
Well 12	5/14/02	7.8	55	175	NR	NR
Well 12	5/16/02	8.1	55	174	NR	NR
Well 12	5/21/02	8.2	55	178	NR	NR
Well 12	5/23/02	7.6	55	173	NR	NR
Well 12	5/28/02	7.3	56	165	NR	NR
Well 12	5/30/02	8.4	56	171	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.