



April 10, 2008

Ms. Kathleen Newcomer
Suffolk County Department of Health Services
Office of Water Resources
Bureau of Drinking Water
Suite 1C
360 Yaphank Avenue
Yaphank, New York 11980

Dear Ms. Kathleen Newcomer:

Subject: Monthly Water Treatment Plant Reports
Reference: Suffolk County Minimum Monitoring Requirements for March 2008

In accordance with the requirements of the BNL Potable Water System Sampling Plan and the 2008 SCDHS Minimum Monitoring Requirements for the BNL Potable Water Supply, included please find the following attachments for your records:

- Attachment I: BNL Potable Water Monthly Operational Data for March.
- Attachment II: March 2008 Biweekly and Semi-Annual Water Quality Monitoring Data for the BNL Distribution System and Potable Water Wells.
- Attachment III: March 2008 Stage 1 Disinfectants & Disinfection Byproduct Rule Monitoring Data and Bacteriological Analyses for the BNL Distribution System.
- Attachment IV: 2008 First Quarter Radiological Analyses for the BNL Potable Water Wells.

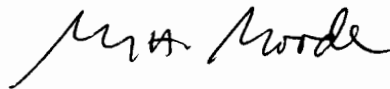
Collection and analysis of these samples is performed in accordance with the guidelines of the BNL Quality Assurance program, the SCDHS Community Water Supply Monitoring Requirements, and the BNL Potable Water System Sampling Plan. Plant Engineering Division personnel using standard operating procedures 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 and Waste Management 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 J. Higbie at (631) 344-5919, R. Lee at (631) 344-3148, or W. Chaloupka at (631) 344-7136.

Sincerely,



George A. Goode
Environmental & Waste Management Services
Division Manager

GAG/RJL:jlh

Attachments: As noted

cc:	L. Ambroszkiewicz, SCDHS	w/attachments
	W. Chaloupka	w/attachments
	G. Granzen	w/attachments
	G. Goode	w/o attachments
	J. Higbie	w/attachments
	R. Lee	w/attachments
	E. Murphy	w/attachments
	C. Parnell	w/o attachments
	P. Ponturo, SCDHS	w/o attachments
	L. Ross	w/o attachments

File: EC61ER.08

ATTACHMENT I
Brookhaven National Laboratory
Potable Water Supply
Monthly Operational Data for March 2008
for the BNL Potable Water System

Public Water System Name Brookhaven National Laboratory	Reporting Month/Year MARCH 2008	Date Report Submitted 3/31/2008	Source Water Type(s) <input type="checkbox"/> Surface <input checked="" type="checkbox"/> Ground <input type="checkbox"/> GWUDI
Public Water System ID 5111891	County Suffolk	Town, Village, or City Upton, New York 11973	<input type="checkbox"/> Purchase with subsequent chlorination <input type="checkbox"/> Purchase w/out subsequent chlorination

DATE	Source(s) in Use Well(s) No.:	Treated water volume (1,000 gallons/day)	Chlorination				Other Treatments / Readings			
			Gaseous		Liquid	Free chlorine residual at entry point (mg/l) (WTF-624)	Hypochlorite used/day (WTF - 624)	pH Lime Softening (WTF-624)	pH (Incoming RAW Water)	Daily Totalizer
			Cylinder weight (lbs.)	Chlorine used per day (lbs.)	Hypochlorite (gallons Hypochlorite in Tank)					
					80					907,685
1		-	NA	NA						
2		-	NA	NA						
3	7+4+6	4,236	NA	NA	50	0.76	30	7.3	5.7	911,921
4	7+6+4	1,447	NA	NA	142+38	1.13	12	7.3	5.7	913,368
5	4+6+7	1,319	NA	NA	170	1.23	10	7.2	5.8	914,687
6	4+6+7	1,437	NA	NA	160	1.16	10	7.3	5.8	916,124
7	4+7+6	1,423	NA	NA	150	1.17	10	7.3	5.7	917,547
8		-								
9		-								
10	4+6+7	4,170	NA	NA	122	1.00	28	7.2	5.8	921,717
11	7+4+6	1,257	NA	NA	115	0.99	7	7.2	5.7	922,974
12	7+4+6	1,159	NA	NA	105+85	1.31	10	7.4	5.7	924,133
13	7+4+6	1,170	NA	NA	180+10	1.10	10	7.5	5.7	925,303
14	7+4+6	1,161	NA	NA	175	1.29	15	7.4	5.7	926,464
15		-								
16		-								
17	7+4+6	3,083	NA	NA	150	1.10	25	7.2	5.7	929,547
18	7+4+6	741	NA	NA	145	1.10	5	7.2	5.6	930,288
19	7+4+6	443	NA	NA	140	0.89	5	7.3	5.6	930,731
20	7+4+6	566	NA	NA	135	1.00	5	7.3	5.6	931,297
21	7+4+6	547	NA	NA	130+20	1.40	5	7.7	5.6	931,844
22		-								
23		-								
24	7+4+6	1,275	NA	NA	139	0.93	11	7.4	5.7	933,119
25	7+4+6	442	NA	NA	135	0.70	4	7.9	5.8	933,561
26	7+4+6	516	NA	NA	130	1.10	5	7.3	5.8	934,077
27	7+4+6	687	NA	NA	120	1.00	10	7.3	5.6	934,764
28	7+4+6	852	NA	NA	110	0.96	10	7.4	5.6	935,616
29		-	NA	NA						
30		-	NA	NA						
31	7+4+6	2,502	NA	NA	98	0.76	12	7.3	5.7	938,118
Total		30,433	DAYS	31			239			
AVG.		981.71					11.38			

Chlorine Mix Ratio = _____ quarts/gallons of _____ % chlorine added to _____ gallons of water in crock

Reported by: Lowell Ross Title: Water Systems Supervisor NYS DOH Operator Certification Number: NY0031941
 Signature: [Signature] Date: 4-7-08 Operator Grade Level: 1A-SW/GUI

NEW YORK STATE DEPARTMENT OF HEALTH

Water Systems Operation Report

Bureau of Water Supply Protection

Well No. 4 - Supply to Water Treatment Facility

Public Water System Name Brookhaven National Laboratory	Reporting Month/Year MARCH 2008	Date Report Submitted 3/31/2008	Source Water Type(s) <input type="checkbox"/> Surface <input checked="" type="checkbox"/> Ground <input type="checkbox"/> GWUDI
Public Water System ID 5111891	County Suffolk	Town, Village, or City Upton, New York 11973	<input type="checkbox"/> Purchase with subsequent chlorination <input type="checkbox"/> Purchase w/out subsequent chlorination

DATE	Source(s) in Use Well No.: 4	Treated water volume (1,000 gallons/day)	Chlorination				Other Treatments / Readings			Daily Totalizer
			Gaseous		Liquid	Free chlorine residual at entry point (mg/l)	Hypochlorite used/day			
			Cylinder weight (lbs.)	Chlorine used per day (lbs.)	Hypochlorite (gallons Hypochlorite in Tank)					
					137				1,801,479	
1		-	NA	NA						
2		-	NA	NA						
3	4	1,534	NA	NA	120	0.14	17		1,803,013	
4	4	418	NA	NA	120	0.16			1,803,431	
5	4	194	NA	NA	114+36	0.16	6		1,803,625	
6	4	1,150	NA	NA	137	0.10	13		1,804,775	
7	4	1,191	NA	NA	120	0.16	17		1,805,966	
8		-								
9		-								
10	4	3,407	NA	NA	69	0.50	49		1,809,373	
11	4	604	NA	NA	60	0.40	9		1,809,977	
12	4	353	NA	NA	54	0.42	6		1,810,330	
13	4	416	NA	NA	50	0.04	4		1,810,746	
14	4	154	NA	NA	48+102	0.24	2		1,810,900	
15		-								
16		-								
17	4	953	NA	NA	138	0.35	12		1,811,853	
18	4	175	NA	NA	135	0.01	3		1,812,028	
19	4	139	NA	NA	135	0.66			1,812,167	
20	4	75	NA	NA	133	0.15	2		1,812,242	
21	4	136	NA	NA	132	0.02	1		1,812,378	
22		-								
23										
24	4	81	NA	NA	132	0.02			1,812,459	
25	4	103	NA	NA	132	0.02			1,812,562	
26	4	51	NA	NA	129	0.06	3		1,812,613	
27	4	120	NA	NA	129+31=150	0.04			1,812,733	
28	4	340	NA	NA	147	0.03	3		1,813,073	
29		-	NA	NA						
30		-	NA	NA						
31	4	719	NA	NA	147	0.04			1,813,792	
Total		12,313	DAYS	31			147			
AVG.		410.43				0.18	8.2			

Chlorine Mix Ratio = _____ quarts/gallons of _____ % chlorine added to _____ gallons of water in crock

Reported by: Lowell Ross Title: Water Systems Supervisor NYS DOH Operator Certification Number: NY0031941

Signature: *Lowell Ross* Date: 4-7-08 Operator Grade Level 1A-SW/GUI

Public Water System Name Brookhaven National Laboratory	Reporting Month/Year MARCH 2008	Date Report Submitted 3/31/2008	Source Water Type(s) <input type="checkbox"/> Surface <input checked="" type="checkbox"/> Ground <input type="checkbox"/> GWUDI
Public Water System ID 5111891	County Suffolk	Town, Village, or City Upton, New York 11973	<input type="checkbox"/> Purchase with subsequent chlorination <input type="checkbox"/> Purchase w/out subsequent chlorination

DATE	Source(s) in Use Well No.: 6	Treated water volume (1,000 gallons/day)	Chlorination				Other Treatments / Readings			Daily Totalizer
			Gaseous		Liquid		Free chlorine residual at entry point (mg/l)	Hypochlorite used/day		
			Cylinder weight (lbs.)	Chlorine used per day (lbs.)	Hypochlorite (gallons Hypochlorite in Tank)					
					116				699,442	
1		-	NA	NA						
2		-	NA	NA						
3	6	232	NA	NA	112	0.14	4		699,674	
4	6	38	NA	NA	108	0.16	4		699,712	
5	6	367	NA	NA	102	0.16	6		700,079	
6	6	90	NA	NA	95	0.10	7		700,169	
7	6	72	NA	NA	95	0.16			700,241	
8		-								
9		-								
10	6	40	NA	NA	93	0.50	2		700,281	
11	6	32	NA	NA	93	0.40			700,313	
12	6	51	NA	NA	91	0.42	2		700,364	
13	6	76	NA	NA	87	0.04	4		700,440	
14	6	29	NA	NA	87+63	0.24			700,469	
15		-								
16		-								
17	6	65	NA	NA	150	0.35			700,534	
18	6	115	NA	NA	140	0.01	10		700,649	
19	6	-	NA	NA	140	0.66			700,649	
20	6	-	NA	NA	140	0.15			700,649	
21	6	61	NA	NA	140	0.02			700,710	
22		-								
23		-								
24	6	34	NA	NA	140	0.02			700,744	
25	6	-	NA	NA	138	0.02	2		700,744	
26	6	24	NA	NA	138				700,768	
27	6	-	NA	NA	138+12=150				700,768	
28	6	36	NA	NA	150				700,804	
29		-	NA	NA						
30		-	NA	NA						
31	6	169	NA	NA	150	0.04			700,973	
Total		1,531	DAYS	31			41			
AVG.		49.39				0.20	4.6			

Chlorine Mix Ratio = _____ quarts/gallons of _____ % chlorine added to _____ gallons of water in crock

Reported by: Lowell Ross Title: Water Systems Supervisor NYS DOH Operator Certification Number: NY0031941
 Signature: [Signature] Date: 4-7-08 Operator Grade Level: 1A-SW/GUI

Public Water System Name Brookhaven National Laboratory	Reporting Month/Year MARCH 2008	Date Report Submitted 3/31/2008	Source Water Type(s) <input type="checkbox"/> Surface <input checked="" type="checkbox"/> Ground <input type="checkbox"/> GWUOI
Public Water System ID 5111891	County Suffolk	Town/Village/City Upton, New York 11973	<input type="checkbox"/> Purchase with subsequent chlorination <input type="checkbox"/> Purchase w/out subsequent chlorination

DATE	Source(s) in Use Well No.: 7	Treated water volume (1,000 gallons/day)	Chlorination				Other Treatments / Readings			Daily Totalizer
			Gaseous		Liquid		Free chlorine residual at entry point (mg/l)	Hypochlorite used/day		
			Cylinder weight (lbs.)	Chlorine used per day (lbs.)	Hypochlorite (gallons Hypochlorite in Tank)					
					126				2,475,374	
1		-	NA	NA						
2		-	NA	NA						
3	7	3,472	NA	NA	70	0.14	56		2,478,846	
4	7	1,162	NA	NA	42	0.16	28		2,480,008	
5	7	1,146	NA	NA	115+35	0.16	7		2,481,154	
6	7	398	NA	NA	140	0.10	10		2,481,552	
7	7	529	NA	NA	135	0.16	5		2,482,081	
8		-								
9		-								
10	7	1,372	NA	NA	108	0.50	27		2,483,453	
11	7	842	NA	NA	93	0.40	15		2,484,295	
12	7	1,006	NA	NA	75	0.42	18		2,485,301	
13	7	950	NA	NA	57	0.04	18		2,486,251	
14	7	406	NA	NA	38+112	0.24	19		2,486,657	
15		-								
16		-								
17	7	3,570	NA	NA	96	0.35	54		2,490,227	
18	7	624	NA	NA	84	0.01	12		2,490,851	
19	7	477	NA	NA	75	0.66	9		2,491,328	
20	7	564	NA	NA	63	0.15	12		2,491,892	
21	7	523	NA	NA	54+96	0.02	9		2,492,415	
22		-								
23		-								
24	7	1,364	NA	NA	138	0.02	12		2,493,779	
25	7	452	NA	NA	126	0.02	12		2,494,231	
26	7	492	NA	NA	117	0.06	9		2,494,723	
27	7	711	NA	NA	105+45=150	0.04	12		2,495,434	
28	7	714	NA	NA	141	0.03	9		2,496,148	
29		-	NA	NA						
30		-	NA	NA						
31	7	2,186	NA	NA	102	0.04	39		2,498,334	
Total		22,960	DAYS	31	1662		392			
AVG.		740.65				0.18	18.7			

Chlorine Mix Ratio = _____ quarts/gallons of _____ % chlorine added to _____ gallons of water in crock

Reported by: Lowell Ross Title: Water Systems Supervisor NYS DOH Operator Certification Number: NY0031941
Signature: [Signature] Date: 4-7-08 Operator Grade Level 1A-SW/GUI

NEW YORK STATE DEPARTMENT OF HEALTH

Bureau of Water Supply Protection

Water Systems Operation Report

Well No. 10 - Direct Supply to Distribution System

Public Water System Name Brookhaven National Laboratory	Reporting Month/Year MARCH 2008	Date Report Submitted 3/31/2008	Source Water Type(s) <input type="checkbox"/> Surface <input checked="" type="checkbox"/> Ground <input type="checkbox"/> GWUDI
Public Water System ID 5111891	County Suffolk	Town/Village/City Upton, New York 11973	<input type="checkbox"/> Purchase with subsequent chlorination <input type="checkbox"/> Purchase w/out subsequent chlorination

DATE	Source(s) in Use Well No.: 10	Treated water volume (1,000 gallons/day)	Chlorination				Other Treatments / Readings			Daily Totalizer
			Gaseous		Liquid		Free chlorine residual at entry point (mg/l)	Hypochlorite used/day	pH Sodium Hydroxide	
			Cylinder weight (lbs.)	Chlorine used per day (lbs.)	Hypochlorite (gallons Hypochlorite in Tank)					
									772,460	
1		-	NA	NA						
2		-	NA	NA						
3	10	-	NA	NA	NR	NR	NR	NR	772,460	
4	10	-	NA	NA	NR	NR	NR	NR	772,460	
5	10	-	NA	NA	NR	NR	NR	NR	772,460	
6	10	-	NA	NA	NR	NR	NR	NR	772,460	
7	10	-	NA	NA	NR	NR	NR	NR	772,460	
8		-								
9		-								
10	10	-	NA	NA	NR	NR	NR	NR	772,460	
11	10	-	NA	NA	NR	NR	NR	NR	772,460	
12	10	-	NA	NA	NR	NR	NR	NR	772,460	
13	10	-	NA	NA	NR	NR	NR	NR	772,460	
14	10	-	NA	NA	NR	NR	NR	NR	772,460	
15		-								
16		-								
17	10	-	NA	NA	NR	NR	NR	NR	772,460	
18	10	-	NA	NA	NR	NR	NR	NR	772,460	
19	10	-	NA	NA	NR	NR	NR	NR	772,460	
20	10	-	NA	NA	NR	NR	NR	NR	772,460	
21	10	-	NA	NA	NR	NR	NR	NR	772,460	
22		-								
23		-								
24	10	-	NA	NA	NR	NR	NR	NR	772,460	
25	10	-	NA	NA	NR	NR	NR	NR	772,460	
26	10	-	NA	NA	NR	NR	NR	NR	772,460	
27	10	-	NA	NA	NR	NR	NR	NR	772,460	
28	10	-	NA	NA	NR	NR	NR	NR	772,460	
29		-								
30		-								
31	10	-	NA	NA	NR	NR	NR	NR	772,460	
Total		-	DAYS	31						
AVG.		-								

Chlorine Mix Ratio = _____ N _____ % chlorine added to _____ gallons of water in crock

Reported by: Lowell Ross Title: Water Systems Supervisor NYS DOH Operator Certification Number: NY0031941

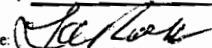
Signature: *Lowell Ross* Date: 4-7-08 Operator Grade Level 1A-SW/GUI

Public Water System Name Brookhaven National Laboratory	Reporting Month/Year MARCH 2008	Date Report Submitted 3/31/2008	Source Water Type(s) <input type="checkbox"/> Surface <input checked="" type="checkbox"/> Ground <input type="checkbox"/> GWUDI
Public Water System ID 5111891	County Suffolk	Town, Village, or City Upton, New York 11973	<input type="checkbox"/> Purchase with subsequent chlorination <input type="checkbox"/> Purchase w/out subsequent chlorination

DATE	Source(s) in Use Well No.: 11	Treated water volume (1,000 gallons/day)	Chlorination				Other Treatments / Readings			Daily Totalizer
			Gaseous		Liquid	Free chlorine residual at entry point (mg/l)	Hypochlorite used/day	pH Sodium Hydroxide		
			Cylinder weight (lbs.)	Chlorine used per day (lbs.)	Hypochlorite (gallons Hypochlorite in Tank)					
					72				741,647	
1		-	NA	NA						
2		-	NA	NA						
3	11	-	NA	NA	72	NR	NR	NR	741,647	
4	11	9	NA	NA	72	NR	NR	NR	741,656	
5	11	-	NA	NA	72	NR	NR	NR	741,656	
6	11	-	NA	NA	72	NR	NR	NR	741,656	
7	11	-	NA	NA	72	NR	NR	NR	741,656	
8		-								
9		-								
10	11	36	NA	NA	72	NR	NR	NR	741,692	
11	11	-	NA	NA	72	NR	NR	NR	741,692	
12	11	-	NA	NA	72	NR	NR	NR	741,692	
13	11	-	NA	NA	72	NR	NR	NR	741,692	
14	11	-	NA	NA	72	NR	NR	NR	741,692	
15		-								
16		-								
17	11	-	NA	NA	72	NR	NR	NR	741,692	
18	11	-	NA	NA	72	NR	NR	NR	741,692	
19	11	-	NA	NA	72	NR	NR	NR	741,692	
20	11	-	NA	NA	72	NR	NR	NR	741,692	
21	11	-	NA	NA	72	NR	NR	NR	741,692	
22		-								
23		-								
24	11	-	NA	NA	72	NR	NR	NR	741,692	
25	11	-	NA	NA	72	NR	NR	NR	741,692	
26	11	-	NA	NA	72	NR	NR	NR	741,692	
27	11	-	NA	NA	72+27=99	NR	NR	NR	741,692	
28	11	-	NA	NA	99	NR	NR	NR	741,692	
29		-	NA	NA						
30		-	NA	NA						
31	11	-	NA	NA	99	NR	NR	NR	741,692	
Total		45	DAYS	31						
AVG.		1.45								

Chlorine Mix Ratio = _____ quarts/gallons of _____ % chlorine added to _____ gallons of water in crock

Reported by: Lowell Ross Title: Water Systems Supervisor NYS DOH Operator Certification Number: NY0031941

Signature:  Date: 4-8-08 Operator Grade Level 1A-SW/GUI

NEW YORK STATE DEPARTMENT OF HEALTH

Bureau of Water Supply Protection

Water Systems Operation Report

Well No. 12 - Direct Supply to Distribution System

Public Water System Name Brookhaven National Laboratory	Reporting Month/Year MARCH 2008	Date Report Submitted 3/31/2008	Source Water Type(s) <input type="checkbox"/> Surface <input checked="" type="checkbox"/> Ground <input type="checkbox"/> GWUDI
Public Water System ID 5111891	County Suffolk	Town, Village or City Upton, New York 11973	<input type="checkbox"/> Purchase with subsequent chlorination <input type="checkbox"/> Purchase w/out subsequent chlorination

DATE	Source(s) in Use Well No.: 12	Treated water volume (1,000 gallons/day)	Chlorination				Other Treatments / Readings			
			Gaseous		Liquid	Free chlorine residual at entry point (mg/l)	Hypochlorite used/day	pH Sodium Hydroxide	Daily Totalizer	
			Cylinder weight (lbs.)	Chlorine used per day (lbs.)	Hypochlorite (gallons Hypochlorite in Tank)					
					105					860,504
1		-	NA	NA						
2		-	NA	NA						
3	12	626	NA	NA	105	NR	NR	NR		861,130
4	12	664	NA	NA	66	NR	39	NR		861,794
5	12	465	NA	NA	46	NR	20	NR		862,259
6	12	278	NA	NA	40	NR	6	NR		862,537
7	12	231	NA	NA	34	NR	6	NR		862,768
8		-								
9		-								
10	12	1,601	NA	NA	10	NR	24	NR		864,369
11	12	-	NA	NA	10+136	NR	NR	NR		864,369
12	12	-	NA	NA	146	NR	NR	NR		864,369
13	12	-	NA	NA	146	NR	NR	NR		864,369
14	12	-	NA	NA	146	NR	NR	NR		864,369
15		-								
16		-								
17	12	-	NA	NA	146	NR	NR	NR		864,369
18	12	-	NA	NA	146	NR	NR	NR		864,369
19	12	-	NA	NA	146	NR	NR	NR		864,369
20	12	-	NA	NA	146	NR	NR	NR		864,369
21	12	-	NA	NA	146	NR	NR	NR		864,369
22		-								
23		-								
24	12	-	NA	NA	146	NR	NR	NR		864,369
25	12	-	NA	NA	146	NR	NR	NR		864,369
26	12	-	NA	NA	146	NR	NR	NR		864,369
27	12	-	NA	NA	146+4=150	NR	NR	NR		864,369
28	12	-	NA	NA	150	NR	NR	NR		864,369
29		-	NA	NA						
30		-	NA	NA						
31	12	-	NA	NA	150	NR	NR	NR		864,369
Total		3,865	DAYS	31			95			
AVG.		124.68					19.0			

Chlorine Mix Ratio = _____ quarts/gallons of _____ % chlorine added to _____ gallons of water in crock

Reported by: Lowell Ross Title: Water Systems Supervisor NYS DOH Operator Certification Number: NY0031941

Signature: *Lowell Ross* Date: 4-7-08 Operator Grade Level: 1A-SW/GUI

3/31/2008

PUMP DATA March 2008

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	1,534	232	3,472	0	0	626	5,864
4	418	38	1,162	0	9	664	2,291
5	194	367	1,146	0	0	465	2,172
6	1,150	90	398	0	0	278	1,916
7	1,191	72	529	0	0	231	2,023
8	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0
10	3,407	40	1,372	0	36	1,601	6,456
11	604	32	842	0	0	0	1,478
12	353	51	1,006	0	0	0	1,410
13	416	76	950	0	0	0	1,442
14	154	29	406	0	0	0	589
15	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0
17	953	65	3,570	0	0	0	4,588
18	175	115	624	0	0	0	914
19	139	0	477	0	0	0	616
20	75	0	564	0	0	0	639
21	136	61	523	0	0	0	720
22	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0
24	81	34	1,364	0	0	0	1,479
25	103	0	452	0	0	0	555
26	51	24	492	0	0	0	567
27	120	0	711	0	0	0	831
28	340	36	714	0	0	0	1,090
29	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0
31	719	169	2,186	0	0	0	3,074
Total	12,313	1,531	22,960	0	45	3,865	40,714

	Totalizer This Month	Totalizer Last Month	Total(x1,000) Gallons
Well 4	1,813,792	1,801,479	12,313
Well 6	700,973	699,442	1,531
Well 7	2,498,334	2,475,374	22,960
Well 10	772,460	772,460	0
Well 11	741,692	741,647	45
Well 12	864,369	860,504	3,865

AGS Water Supply Meter	692,243	683,598	8645.00
Biology Building - Well 9	6,793,150	6,793,150	0.00

Microbiological Samples and Free Chlorine Residual

Sample Location	Date of Sample	Sample Type 1.Routine 2.Repeat	Total Coliform Positive	E.coli Positive	Free Chlorine Residual (mg/l)	Population Served: <u>3,500</u>
B-49 WATER TOWER 094-273	3/7/2008	1	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	0.85	Number of microbiological monitoring samples required: 4 Number of microbiological monitoring samples taken: 7 Did an M&R violation occur? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes," check reason (s) below: Actual number of samples is fewer than required Did not collect/analyze repeat sample. Did not collect/analyze for E. coli for positive total coliform from routine/repeat Did an MCL violation occur? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If "Yes," check reason(s) below (see also Part 5, Table 6 for additional information). For systems collecting less than 40 samples per month: two or more of the samples (routine and/or repeat) are positive for total coliform (= total coliform MCL violation). For systems collecting 40 or more samples per month: more than 5% of the samples (routine and/or repeat) are positive for total coliform (= total coliform MCL violation). The original sample was E.coli positive and at least 1 repeat sample was positive for total Reminder: System must collect a minimum of five (5) routine microbiological monitoring samples during the month following a repeat sample collection. As required by 5-1.72, "Operation of a Public Water System," a copy of this form shall be sent to your local health department by the 10th calendar day of the next reporting period.
B-640 WATER TOWER 076-408	3/7/2008	1	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	0.85	
B 1005 RHIC 045-12	3/7/2008	1	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	0.7	
B 363 APART. LAUNDRY 109-19	3/7/2008	1	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	0.42	
B-930 LINAC 054-187	3/7/2008	1	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	0.75	
B 490 OUTPATIENT CLINIC 084-70	3/7/2008	1	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	0.87	
B490 BLOCK 11 084-67	3/7/2008	1	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	0.53	
FIELD DUP. B-1005 045-12	3/7/2008	1	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	0.7	
			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		
			<input type="checkbox"/> Yes <input type="checkbox"/> No	<input type="checkbox"/> Yes <input type="checkbox"/> No		

Sample Collector(s): (Name)

Name of NYSDOH Certified Laboratory: H2M Labs 575 Broad Hollow Road; Melville, N.Y. 11747

Did any MCL violation occur? If so, please describe: No

Did an emergency or low pressure problem occur? Did source water bypass an existing treatment process in the system? If so, please explain.

No

Comments: _____

ATTACHMENT II

Brookhaven National Laboratory

Potable Water Supply

March 2008 Biweekly and Semi-Annual Water Quality Monitoring Data

for the BNL Distribution System and Potable Water Wells

Attachment II
Table 1 - Summary of Water Quality Analyses
for the BNL Potable Water System
March 2008

Sample Location	Sample Date	pH (SU)	Temperature (Degrees F)	Conductivity (µmhos)	Alkalinity (mg/L)	Calcium (mg/L)
WTP	3/4/08	7.3	55	178	ANR	ANR
WTP	3/6/08	7.3	55	175	ANR	ANR
WTP	3/11/08	7.2	53	220	ANR	ANR
WTP	3/13/08	7.5	52	200	ANR	ANR
WTP	3/18/08	7.2	54	101	ANR	ANR
WTP	3/20/08	7.3	54	176	ANR	ANR
WTP	3/25/08	7.9	55	179	ANR	ANR
WTP	3/27/08	7.5	54	173	ANR	ANR
Well # 4	3/7/08	5.7	55	180	11.0	6.26
Well # 6	3/7/08	5.8	55	119	8.4	3.97
Well # 7	3/7/08	5.8	55	122	12.0	5.41
Well # 10	3/7/08	6.3	55	117	19.6	9.26
Well # 11	3/7/08	6.2	55	199	16.8	6.69
Well # 12	3/7/08	6.1	55	178	19.2	7.58

ANR- Analysis Not Required

NR- Not Reported

Note: Field parameters are only conducted for facilities that are in operation on the day of measurement.

H2M LABS, INC.

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 : Bob Lee

Federal ID 5111891
Collected : 3/7/2008 10:35:00 AM Point No : 083-20
Received : 3/7/2008 3:15:00 PM Location : Well #4 Raw
Collected By : CLIENT
Copy : ORIGINAL
CC

LABORATORY RESULTS

Lab No. : 0803284-009B

Client ID. : 25079-009

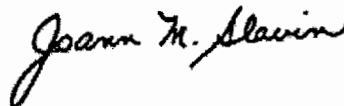
Sample Information

Type : Potable Water
Origin : Raw Well
Routine

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Specific Conductance	180		1	µmhos/cm		E120.1	03/07/2008
PH (FIELD)	5.7		1	pH Units		E150.1	03/07/2008
Temperature	13		1	°C		E170.1	03/07/2008

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.
D.F. = Dilution Factor

Date Reported : 3/21/2008



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Upton, NY 11973
Attn To : Bob Lee

LABORATORY RESULTS

Lab No. : 0803284-009B
Client ID. : 25079-009

Sample Information

Type : Potable Water
Origin : Raw Well
Routine

Federal ID 5111891

Collected : 3/7/2008 10:35:00 AM Point No : 083-20

Received : 3/7/2008 3:15:00 PM Location : Well #4 Raw

Collected By : CLIENT

Copy : ORIGINAL

CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Calcium	6260		1	µg/L		E200.7	03/17/2008 10:12 AM
Alkalinity, Total (As CaCO3)	11.0		1	mg/L		M2320 B	03/12/2008 2:20 PM

Result(s) reported meet(s) Regulatory Limit(s)
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.
D.F. = Dilution Factor
Date Reported : 3/21/2008

Joann M. Slavin

H2M LABS, INC.

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Upton, NY 11973
Attn To : Bob Lee

LABORATORY RESULTS

Lab No. : 0803284-010B
Client ID. : 25079-010

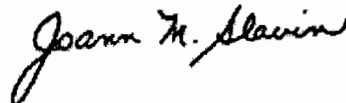
Sample Information
Type : Potable Water
Origin : Raw Well
Routine

Federal ID : 5111891
Collected : 3/7/2008 10:45:00 AM Point No : 093-07
Received : 3/7/2008 3:15:00 PM Location : Well #6 Raw
Collected By : CLIENT
Copy : ORIGINAL
CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Specific Conductance	119		1	µmhos/cm		E120.1	03/07/2008
PH (FIELD)	5.8		1	pH Units		E150.1	03/07/2008
Temperature	13		1	°C		E170.1	03/07/2008

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.
D.F. = Dilution Factor

Date Reported : 3/21/2008



Laboratory Manager

H2M LABS, INC.

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

Sample Information

Type : Potable Water
Origin : Raw Well
Routine

LABORATORY RESULTS

Lab No. : 0803284-010B

Client ID. : 25079-010

Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : Bob Lee

Federal ID 5111891

Collected : 3/7/2008 10:45:00 AM Point No : 093-07

Received : 3/7/2008 3:15:00 PM Location : Well #6 Raw

Collected By : CLIENT

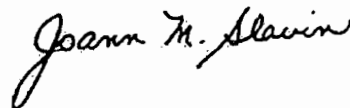
Copy : ORIGINAL

CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Calcium	3970		1	µg/L		E200.7	03/17/2008 10:26 AM
Alkalinity, Total (As CaCO3)	8.4		1	mg/L		M2320 B	03/12/2008 2:28 PM

Result(s) reported meet(s) Regulatory Limit(s)
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.
D.F. = Dilution Factor

Date Reported : 3/21/2008



Laboratory Manager

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Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : Bob Lee

LABORATORY RESULTS

Lab No. : 0803284-011B
Client ID. : 25079-011

Sample Information

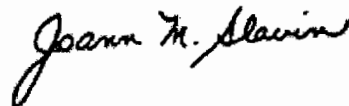
Type : Potable Water
Origin : Raw Well
Routine

Federal ID : 5111891
Collected : 3/7/2008 10:50:00 AM Point No : 092-03
Received : 3/7/2008 3:15:00 PM Location : Well #7 Raw
Collected By : CLIENT
Copy : ORIGINAL
CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Specific Conductance	122		1	µmhos/cm		E120.1	03/07/2008
PH (FIELD)	5.8		1	pH Units		E150.1	03/07/2008
Temperature	13		1	°C		E170.1	03/07/2008

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.
D.F. = Dilution Factor

Date Reported : 3/21/2008



H2M LABS, INC.

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Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : Bob Lee

LABORATORY RESULTS

Lab No. : 0803284-011B
Client ID. : 25079-011

Sample Information

Type : Potable Water
Origin : Raw Well
Routine

Federal ID : 5111891
Collected : 3/7/2008 10:50:00 AM Point No : 092-03
Received : 3/7/2008 3:15:00 PM Location : Well #7 Raw
Collected By : CLIENT
Copy : ORIGINAL
CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Calcium	5410		1	µg/L		E200.7	03/17/2008 10:48 AM
Alkalinity, Total (As CaCO3)	12.0		1	mg/L		M2320 B	03/12/2008 2:35 PM

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.
D.F. = Dilution Factor
Date Reported : 3/21/2008

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Laboratory Manager

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Attn To : Bob Lee

LABORATORY RESULTS

Lab No. : 0803284-012B
Client ID. : 25079-012

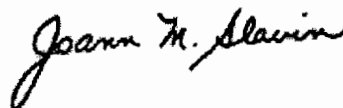
Sample Information
Type : Potable Water
Origin : Raw Well
Routine

Federal ID : 5111891
Collected : 3/7/2008 11:25:00 AM Point No : 055-09
Received : 3/7/2008 3:15:00 PM Location : Well #10 Raw
Collected By : CLIENT
Copy : ORIGINAL
CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Specific Conductance	117		1	µmhos/cm		E120.1	03/07/2008
PH (FIELD)	6.3		1	pH Units		E150.1	03/07/2008
Temperature	13		1	°C		E170.1	03/07/2008

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.
D.F. = Dilution Factor

Date Reported : 3/21/2008



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Brookhaven National Lab.-BNLM
70 Bell Ave.

Upton, NY 11973

Attn To : Bob Lee

Federal ID 5111891

Collected : 3/7/2008 11:25:00 AM Point No : 055-09

Received : 3/7/2008 3:15:00 PM Location : Well #10 Raw

Collected By : CLIENT

Copy : ORIGINAL

CC

LABORATORY RESULTS

Lab No. : 0803284-012B

Client ID. : 25079-012

Sample Information

Type : Potable Water

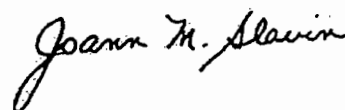
Origin : Raw Well

Routine

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Calcium	9260		1	µg/L		E200.7	03/17/2008 10:55 AM
Alkalinity, Total (As CaCO3)	19.6		1	mg/L		M2320 B	03/12/2008 2:41 PM

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.
D.F. = Dilution Factor

Date Reported : 3/21/2008



Laboratory Manager

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Brookhaven National Lab.-BNLM

70 Bell Ave.

Upton, NY 11973

Attn To : Bob Lee

Federal ID 5111891

Collected : 3/7/2008 11:10:00 AM Point No : 056-19

Received : 3/7/2008 3:15:00 PM Location : Well #11 Raw

Collected By : CLIENT

Copy : ORIGINAL

CC

LABORATORY RESULTS

Lab No. : 0803284-013B

Client ID. : 25079-013

Sample Information

Type : Potable Water

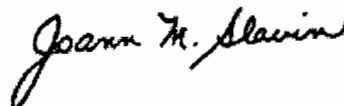
Origin : Raw Well

Routine

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Specific Conductance	199		1	µmhos/cm		E120.1	03/07/2008
PH (FIELD)	6.2		1	pH Units		E150.1	03/07/2008
Temperature	13		1	°C		E170.1	03/07/2008

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.
D.F. = Dilution Factor

Date Reported : 3/21/2008



Laboratory Manager

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LABORATORY RESULTS

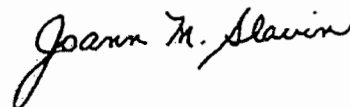
Lab No. : 0803284-013B
Client ID. : 25079-013

Sample Information
Type : Potable Water
Origin : Raw Well
Routine

Federal ID : 5111891
Collected : 3/7/2008 11:10:00 AM Point No : 056-19
Received : 3/7/2008 3:15:00 PM Location : Well #11 Raw
Collected By : CLIENT
Copy : ORIGINAL
CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Calcium	6690		1	µg/L		E200.7	03/17/2008 11:02 AM
Alkalinity, Total (As CaCO3)	16.8		1	mg/L		M2320 B	03/12/2008 2:49 PM

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.
D.F. = Dilution Factor
Date Reported : 3/21/2008



H2M LABS, INC.

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 : Bob Lee

Federal ID 5111891

Collected : 3/7/2008 11:15:00 AM Point No : 056-20

Received : 3/7/2008 3:15:00 PM Location : Well #12 Raw

Collected By : CLIENT

Copy : ORIGINAL

CC

LABORATORY RESULTS

Lab No. : 0803284-014B

Client ID. : 25079-014

Sample Information

Type : Potable Water

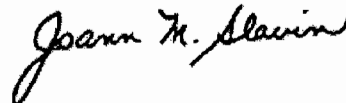
Origin : Raw Well

Routine

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Specific Conductance	178		1	µmhos/cm		E120.1	03/07/2008
PH (FIELD)	6.1		1	pH Units		E150.1	03/07/2008
Temperature	13		1	°C		E170.1	03/07/2008

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.
D.F. = Dilution Factor

Date Reported : 3/21/2008



Laboratory Manager

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Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : Bob Lee

LABORATORY RESULTS

Lab No. : 0803284-014B
Client ID. : 25079-014

Sample Information

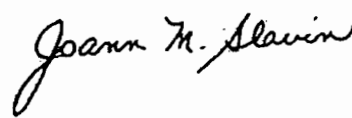
Type : Potable Water
Origin : Raw Well
Routine

Federal ID : 5111891
Collected : 3/7/2008 11:15:00 AM Point No : 056-20
Received : 3/7/2008 3:15:00 PM Location : Well #12 Raw
Collected By : CLIENT
Copy : ORIGINAL
CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Calcium	7580		1	µg/L		E200.7	03/17/2008 11:37 AM
Alkalinity, Total (As CaCO3)	19.2		1	mg/L		M2320 B	03/12/2008 2:57 PM

Result(s) reported meet(s) Regulatory Limit(s)
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.
D.F. = Dilution Factor

Date Reported : 3/21/2008



Laboratory Manager

ATTACHMENT III

Brookhaven National Laboratory

Potable Water Supply

March 2008 Stage 1 Disinfectants & Disinfection Byproduct Rule

Monitoring Data and Bacteriological Analyses for the BNL Distribution System

Attachment III

March 2008 Stage I Disinfectants & Disinfection Byproduct Rule Monitoring Data
 Table II - Maximum Residual Disinfectant Level (MRDL) Compliance

Location	Total Residual Chlorine (mg/L)											
	Apr. 07	May 07	June 07	July 07	Aug. 07	Sept. 07	Oct. 07	Nov. 07	Dec. 07	Jan. 08	Feb. 08	Mar. 08
Bldg. 49 Water Tower	0.6	0.9	0.8	0.6	0.8	0.5	1.0	0.6	0.9	0.5	0.9	0.8
Bldg. 640 Water Tower	0.6	0.8	0.5	0.5	0.6	0.7	0.6	0.7	0.5	0.5	0.5	0.8
Bldg. 363 Apt. Laundry	0.5	0.3	0.6	0.4	0.5	0.4	0.4	0.3	0.6	0.5	0.6	0.4
Bldg. 1005 RHIC	0.6	0.9	0.5	0.5	0.5	0.5	0.6	0.5	0.7	0.5	0.8	0.7
Bldg. 930 LINAC	NS	1.5	NS	0.4	NS	1.0	NS	1.1	NS	0.7	NS	0.8
Bldg. 725 NSLS	0.8	NS	0.8	NS	0.9	NS	0.7	NS	0.5	NS	1.1	NS
Bldg. 490 Outpatient Clinic	NS	0.5	NS	0.9	NS	0.7	NS	0.8	NS	NS	NS	0.9
Bldg. 490 Block 11	NS	0.5	NS	0.6	NS	0.4	NS	0.5	NS	0.5	NS	0.5
Bldg. 490 Block 1 ACF	0.5	NS	0.6	NS	1.1	NS	0.9	NS	0.5	NS	0.4	NS
Bldg. 490 Block 4 MRC	0.5	NS	0.7	NS	0.6	NS	1.1	NS	0.9	NS	0.7	NS
Monthly Average	0.6	0.8	0.6	0.6	0.7	0.6	0.8	0.6	0.7	0.5	0.7	0.7

NA - Not Applicable
 NS- Not Scheduled for sampling

Running Annual Average (mg/L) 0.7 (Total Residual Chlorine)
 MRDL (mg/L) 4.0

H2M LABS, INC.

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 : Bob Lee

LABORATORY RESULTS

Lab No. : 0803284-001A

Client ID. : 25079-001

Sample Information

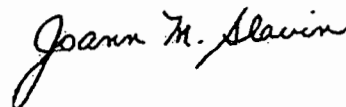
Type : Potable Water
Origin : Distribution
Routine

Federal ID : 5111891
Collected : 3/7/2008 10:10:00 AM Point No : 094-273
Received : 3/7/2008 3:15:00 PM Location : B-49 Water Tower
Collected By : CLIENT
Copy : ORIGINAL
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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		1	N/A	Negative	M9223	03/08/2008 12:00 PM
E_Coliform	Absent		1	N/A	Absent	M9223	03/08/2008 12:00 PM
Total Residual Chlorine	0.8		1	mg/L		M4500-Cl G	03/07/2008

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.
D.F. = Dilution Factor

Date Reported : 3/21/2008



Laboratory Manager

H2M LABS, INC.

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

Sample Information

Type : Potable Water
Origin : Distribution
Routine

LABORATORY RESULTS

Lab No. : 0803284-002A

Client ID. : 25079-002

Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : Bob Lee

Federal ID 5111891

Collected : 3/7/2008 8:45:00 AM Point No : 076-408

Received : 3/7/2008 3:15:00 PM Location : B-640 Water Tower

Collected By : CLIENT

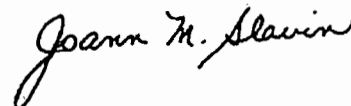
Copy : ORIGINAL

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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		1	N/A	Negative	M9223	03/08/2008 12:00 PM
E_Coliform	Absent		1	N/A	Absent	M9223	03/08/2008 12:00 PM
Total Residual Chlorine	0.8		1	mg/L		M4500-Cl G	03/07/2008

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.
D.F. = Dilution Factor

Date Reported : 3/21/2008



Laboratory Manager

H2M LABS, INC.

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 : Bob Lee

LABORATORY RESULTS

Lab No. : 0803284-004A
Client ID. : 25079-004

Sample Information

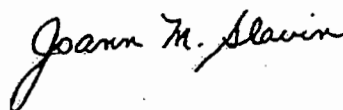
Type : Potable Water
Origin : Distribution
Routine

Federal ID : 5111891
Collected : 3/7/2008 8:30:00 AM Point No : 109-19
Received : 3/7/2008 3:15:00 PM Location : B-363 Apt.Laundry
Collected By : CLIENT
Copy : ORIGINAL
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Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Method Number	Analyzed
Total Coliform	Negative		1	N/A	Negative	M9223	03/08/2008 12:00 PM
E_Coliform	Absent		1	N/A	Absent	M9223	03/08/2008 12:00 PM
Total Residual Chlorine	0.4		1	mg/L		M4500-Cl G	03/07/2008

Result(s) reported meet(s) Regulatory Limit(s)
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.
D.F. = Dilution Factor

Date Reported : 3/21/2008



Laboratory Manager

H2M LABS, INC.

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

Sample Information

Type : Potable Water
Origin : Distribution
Routine

LABORATORY RESULTS

Lab No. : 0803284-003A

Client ID. : 25079-003

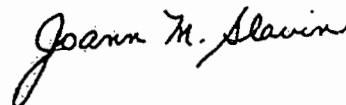
Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : Bob Lee

Federal ID 5111891
Collected : 3/7/2008 8:55:00 AM Point No : 045-12
Received : 3/7/2008 3:15:00 PM Location : B-1005 RHIC
Collected By : CLIENT
Copy : ORIGINAL
CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		1	N/A	Negative	M9223	03/08/2008 12:00 PM
E_Coliform	Absent		1	N/A	Absent	M9223	03/08/2008 12:00 PM
Total Residual Chlorine	0.7		1	mg/L		M4500-Cl G	03/07/2008

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.
D.F. = Dilution Factor

Date Reported : 3/21/2008



Laboratory Manager

H2M LABS, INC.

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 : Bob Lee

LABORATORY RESULTS

Lab No. : 0803284-005A
Client ID. : 25079-005

Sample Information

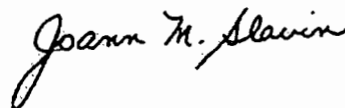
Type : Potable Water
Origin : Distribution
Routine

Federal ID : 5111891
Collected : 3/7/2008 9:05:00 AM Point No : 054-187
Received : 3/7/2008 3:15:00 PM Location : B-930 LINAC
Collected By : CLIENT
Copy : ORIGINAL
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Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Method Number	Analyzed
Total Coliform	Negative		1	N/A	Negative	M9223	03/08/2008 12:00 PM
E_Coliform	Absent		1	N/A	Absent	M9223	03/08/2008 12:00 PM
Total Residual Chlorine	0.8		1	mg/L		M4500-Cl G	03/07/2008

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.
D.F. = Dilution Factor

Date Reported : 3/21/2008



Laboratory Manager

H2M LABS, INC.

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

Sample Information

Type : Potable Water
Origin : Distribution
Routine

LABORATORY RESULTS

Lab No. : 0803284-006A

Client ID. : 25079-006

Brookhaven National Lab.-BNLM
70 Bell Ave.
Upton, NY 11973
Attn To : Bob Lee

Federal ID 5111891

Collected : 3/7/2008 10:15:00 AM Point No : 084-70

Received : 3/7/2008 3:15:00 PM Location : B-490 Outpatient Clinic

Collected By : CLIENT

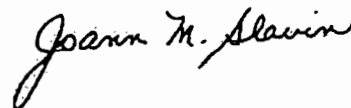
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Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Method Number	Analyzed
Total Coliform	Negative		1	N/A	Negative	M9223	03/08/2008 12:00 PM
E_Coliform	Absent		1	N/A	Absent	M9223	03/08/2008 12:00 PM
Total Residual Chlorine	0.9		1	mg/L		M4500-Cl G	03/07/2008

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.
D.F. = Dilution Factor

Date Reported : 3/21/2008



Laboratory Manager

H2M LABS, INC.

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 : Bob Lee

LABORATORY RESULTS

Lab No. : 0803284-007A
Client ID. : 25079-007

Sample Information

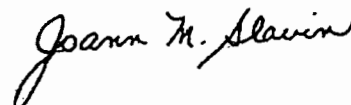
Type : Potable Water
Origin : Distribution
Routine

Federal ID : 5111891
Collected : 3/7/2008 10:25:00 AM Point No : 084-67
Received : 3/7/2008 3:15:00 PM Location : B-490 Block 11
Collected By : CLIENT
Copy : ORIGINAL
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Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Method Number	Analyzed
Total Coliform	Negative		1	N/A	Negative	M9223	03/08/2008 12:00 PM
E_Coliform	Absent		1	N/A	Absent	M9223	03/08/2008 12:00 PM
Total Residual Chlorine	0.5		1	mg/L		M4500-Cl G	03/07/2008

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.
D.F. = Dilution Factor

Date Reported : 3/21/2008



Laboratory Manager

H2M LABS, INC.

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

Sample Information

Type : Potable Water
Origin : Distribution
Routine

LABORATORY RESULTS

Lab No. : 0803284-008A

Client ID. : 25079-008

Brookhaven National Lab.-BNLM

70 Bell Ave.

Upton, NY 11973

Attn To : Bob Lee

Federal ID 5111891

Collected : 3/7/2008 8:55:00 AM Point No : 045-12

Received : 3/7/2008 3:15:00 PM Location : B-1005 RHIC

Collected By : CLIENT

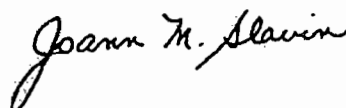
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Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Method Number	Analyzed
Total Coliform	Negative		1	N/A	Negative	M9223	03/08/2008 12:00 PM
E_Coliform	Absent		1	N/A	Absent	M9223	03/08/2008 12:00 PM
Total Residual Chlorine	0.7		1	mg/L		M4500-Cl G	03/07/2008

Result(s) reported meet(s) Regulatory Limit(s).
Result(s) flagged with * Exceed Regulatory Limit(s). Limit noted.
D.F. = Dilution Factor

Date Reported : 3/21/2008



Laboratory Manager

ATTACHMENT IV

Brookhaven National Laboratory

Potable Water Supply

2008 First Quarter Radiological Analyses

for the BNL Potable Water Wells

ATTACHMENT IV

Table 3
Summary of 2008 First Quarter Radiological Analyses for the
BNL Potable Water Wells

Well ID	Sample Date	Gross Alpha (pCi/L)	Gross Beta (pCi/L)	Tritium (pCi/L)	Sr-90 (pCi/L)	Radium 228 (pCi/L)
Well # 4	2/21/08	< 1.88	< 1.54	< 283	< 0.69	< 0.83
Well # 4 (Duplicate)	2/21/08	< 1.99	< 1.61	< 283	< 0.58	< 1.23
Well #6	2/21/08	< 1.86	< 2.25	200	< 0.75	< 1.14
Well #7	2/21/08	< 1.95	< 1.77	< 285	< 0.67	1.22
Well # 11	2/21/08	1.95	1.93	188	< 0.70	< 0.68
Well # 12	2/21/08	< 1.96	< 1.84	< 168	< 0.61	< 0.73

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Brookhaven National Laboratory
 Address : Building 51
 Upton, New York 11973--5000

Report Date: March 20, 2008

Contact: Mr. John Burke
 Project: **Hazardous & Radiochemical Analytical Services--Summary**

Client Sample ID:	25485-002	Project:	BRKL00501
Sample ID:	203300002	Client ID:	BRKL005
Matrix:	Water	COC:	25485
Collect Date:	21-FEB-08 09:15	Samp Recv.:	
Receive Date:	22-FEB-08 10:10	Client Desc.:	Well 12
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
<i>Gammascpec, Gamma, Liquid (Long List)</i>											
Americium-241	U	-5.75	+/-9.31	15.6	25.0	pCi/L		MJH1 03/12/08	1856	734819	1
Beryllium-7	U	7.36	+/-11.5	19.6	60.0	pCi/L					
Cesium-134	U	-0.0542	+/-1.20	2.01	5.00	pCi/L					
Cesium-137	DL	-0.0504	+/-1.09	1.86	1.00	pCi/L					
Cobalt-57	U	1.05	+/-1.21	1.71	5.00	pCi/L					
Cobalt-60	U	-0.698	+/-1.12	1.81	22.0	pCi/L					
Europium-152	U	-0.342	+/-3.25	5.47	84.0	pCi/L					
Europium-154	U	-0.555	+/-3.38	5.26	57.0	pCi/L					
Europium-155	U	0.560	+/-4.29	7.17	359	pCi/L					
Manganese-54	U	-0.162	+/-1.04	1.74	6.00	pCi/L					
Sodium-22	U	-0.207	+/-1.21	1.89	7.00	pCi/L					
Zinc-65	U	-4.65	+/-2.54	3.61	15.0	pCi/L					
Rad Gas Flow Proportional Counting											
<i>GFPC, Gross A/B, liquid</i>											
Alpha	U	0.751	+/-1.15	1.96	2.00	pCi/L		MXP1 03/20/08	1533	735579	2
Beta	U	1.41	+/-1.17	1.84	4.00	pCi/L					
<i>GFPC, Ra228, Liquid</i>											
Radium-228	U	0.432	+/-0.446	0.730	1.50	pCi/L		BXF1 03/05/08	1232	730214	3
<i>GFPC, Sr90, liquid</i>											
Strontium-90	U	-0.273	+/-0.258	0.608	0.800	pCi/L		SLN1 03/08/08	1342	731963	4
Rad Liquid Scintillation Analysis											
<i>LSC, Tritium Dist, Liquid</i>											
Tritium	U	98.0	+/-100	168	300	pCi/L		MXP1 02/29/08	0329	729802	5

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 901.1	
2	EPA 900.0	
3	EPA 904.0 Modified	
4	EPA 905.0 Modified	
5	EPA 906.0 Modified	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery %	Acceptable Limits

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Brookhaven National Laboratory
Address : Building 51
Upton, New York 11973--5000

Report Date: March 20, 2008

Contact: Mr. John Burke
Project: **Hazardous & Radiochemical Analytical
Services--Summary**

Client Sample ID: 25485-002
Sample ID: 203300002

Project: BRKL00501
Client ID: BRKL005

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Surrogate/Tracer recovery	Test				Result	Nominal	Recovery%			Acceptable Limits	
Barium-133 Tracer	GFPC, Ra228, Liquid						60			(15%-125%)	
Strontium Carrier	GFPC, Sr90, liquid						69			(25%-125%)	

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Brookhaven National Laboratory
 Address : Building 51
 Upton, New York 11973--5000

Report Date: March 20, 2008

Contact: Mr. John Burke
 Project: **Hazardous & Radiochemical Analytical Services--Summary**

Client Sample ID:	25485-004	Project:	BRKL00501
Sample ID:	203300004	Client ID:	BRKL005
Matrix:	Water	COC:	25485
Collect Date:	21-FEB-08 09:00	Samp Recv.:	
Receive Date:	22-FEB-08 10:10	Client Desc.:	Well 11
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
<i>Gammascpec, Gamma, Liquid (Long List)</i>											
Americium-241	U	1.10	+/-2.07	3.30	25.0	pCi/L		MJH1 03/12/08	1856	734819	1
Beryllium-7	U	-5.16	+/-11.9	19.6	60.0	pCi/L					
Cesium-134	U	1.62	+/-1.35	2.42	5.00	pCi/L					
Cesium-137	DL	-0.533	+/-2.12	2.26	1.00	pCi/L					
Cobalt-57	U	-0.504	+/-1.11	1.29	5.00	pCi/L					
Cobalt-60	U	0.260	+/-1.31	2.18	22.0	pCi/L					
Europium-152	U	0.896	+/-2.91	5.04	84.0	pCi/L					
Europium-154	U	0.934	+/-3.47	5.82	57.0	pCi/L					
Europium-155	U	-0.413	+/-2.99	5.07	359	pCi/L					
Manganese-54	U	-0.202	+/-1.19	2.02	6.00	pCi/L					
Sodium-22	U	0.228	+/-1.27	2.11	7.00	pCi/L					
Zinc-65	U	-3.69	+/-2.77	4.22	15.0	pCi/L					
Rad Gas Flow Proportional Counting											
<i>GFPC, Gross A/B, liquid</i>											
Alpha	J	1.95	+/-1.44	1.84	2.00	pCi/L		MXP1 03/20/08	1533	735579	2
Beta	J	1.93	+/-1.12	1.61	4.00	pCi/L					
<i>GFPC, Ra228, Liquid</i>											
Radium-228	U	0.443	+/-0.416	0.675	1.50	pCi/L		BXF1 03/05/08	1232	730214	3
<i>GFPC, Sr90, liquid</i>											
Strontium-90	U	0.0755	+/-0.376	0.695	0.800	pCi/L		SLN1 03/07/08	1005	731963	4
Rad Liquid Scintillation Analysis											
<i>LSC, Tritium Dist, Liquid</i>											
Tritium	J	188	+/-104	169	300	pCi/L		MXP1 02/29/08	0539	729802	5

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 901.1	
2	EPA 900.0	
3	EPA 904.0 Modified	
4	EPA 905.0 Modified	
5	EPA 906.0 Modified	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery %	Acceptable Limits

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Brookhaven National Laboratory
Address : Building 51
Upton, New York 11973--5000

Report Date: March 20, 2008

Contact: Mr. John Burke
Project: **Hazardous & Radiochemical Analytical
Services--Summary**

Client Sample ID: 25485-004
Sample ID: 203300004

Project: BRKL00501
Client ID: BRKL005

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Surrogate/Tracer recovery	Test				Result	Nominal	Recovery %			Acceptable Limits	
Barium-133 Tracer	GFPC, Ra228, Liquid						80			(15%-125%)	
Strontium Carrier	GFPC, Sr90, liquid						84			(25%-125%)	

GEL LABORATORIES LLC

2040 Savage Road Charleston SC 29407 - (843) 556-8171 - www.gel.com

Certificate of Analysis

Company : Brookhaven National Laboratory
 Address : Building 51
 Upton, New York 11973--5000

Report Date: March 20, 2008

Contact: Mr. John Burke
 Project: **Hazardous & Radiochemical Analytical Services--Summary**

Client Sample ID: 25485-006
 Sample ID: 203300006
 Matrix: Water
 Collect Date: 21-FEB-08 10:00
 Receive Date: 22-FEB-08 10:10
 Collector: Client

Project: BRKL00501
 Client ID: BRKL005
 COC: 25485
 Samp Recv.:
 Client Desc.: Well 6

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
<i>Gammascpec, Gamma, Liquid (Long List)</i>											
Americium-241	U	2.67	+/-4.03	6.01	25.0	pCi/L		MJH1 03/12/08	1857	734819	1
Beryllium-7	U	1.92	+/-8.27	13.7	60.0	pCi/L					
Cesium-134	U	-0.228	+/-0.784	1.30	5.00	pCi/L					
Cesium-137	DL	0.0425	+/-0.799	1.37	1.00	pCi/L					
Cobalt-57	U	0.275	+/-0.725	1.26	5.00	pCi/L					
Cobalt-60	U	0.533	+/-0.807	1.44	22.0	pCi/L					
Europium-152	U	-0.314	+/-2.52	4.17	84.0	pCi/L					
Europium-154	U	0.438	+/-2.09	3.48	57.0	pCi/L					
Europium-155	U	-1.84	+/-3.32	5.00	359	pCi/L					
Manganese-54	U	-0.404	+/-0.796	1.30	6.00	pCi/L					
Sodium-22	U	0.141	+/-0.747	1.25	7.00	pCi/L					
Zinc-65	U	1.56	+/-1.69	2.65	15.0	pCi/L					
Rad Gas Flow Proportional Counting											
<i>GFPC, Gross A/B, liquid</i>											
Alpha	U	0.475	+/-0.976	1.86	2.00	pCi/L		MXP1 03/20/08	1533	735579	2
Beta	U	-0.217	+/-1.19	2.25	4.00	pCi/L					
<i>GFPC, Ra228, Liquid</i>											
Radium-228	U	0.821	+/-0.700	1.14	1.50	pCi/L		BXF1 03/05/08	1232	730214	3
<i>GFPC, Sr90, liquid</i>											
Strontium-90	U	-0.0222	+/-0.389	0.749	0.800	pCi/L		SLN1 03/07/08	1043	731963	4
Rad Liquid Scintillation Analysis											
<i>LSC, Tritium Dist, Liquid</i>											
Tritium	J	200	+/-105	172	300	pCi/L		MXP1 02/29/08	0746	729802	5

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 901.1	
2	EPA 900.0	
3	EPA 904.0 Modified	
4	EPA 905.0 Modified	
5	EPA 906.0 Modified	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery %	Acceptable Limits
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Certificate of Analysis

Company : Brookhaven National Laboratory
Address : Building 51
Upton, New York 11973--5000

Report Date: March 20, 2008

Contact: Mr. John Burke
Project: **Hazardous & Radiochemical Analytical
Services--Summary**

Client Sample ID: 25485-006
Sample ID: 203300006

Project: BRKL00501
Client ID: BRKL005

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Surrogate/Tracer recovery	Test				Result	Nominal	Recovery%			Acceptable Limits	
Barium-133 Tracer	GFPC, Ra228, Liquid						66			(15%-125%)	
Strontium Carrier	GFPC, Sr90, liquid						78			(25%-125%)	

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 Upton, New York 11973--5000

Report Date: March 20, 2008

Contact: Mr. John Burke
 Project: **Hazardous & Radiochemical Analytical Services--Summary**

Client Sample ID: 25485-007
 Sample ID: 203300007
 Matrix: Water
 Collect Date: 21-FEB-08 09:50
 Receive Date: 22-FEB-08 10:10
 Collector: Client

Project: BRKL00501
 Client ID: BRKL005
 COC: 25485
 Samp Recv.:
 Client Desc.: Well 7

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
<i>GammaSpec, Gamma, Liquid (Long List)</i>											
Americium-241	U	2.51	+/-9.63	14.9	25.0	pCi/L		MJH1 03/15/08	1350	734819	1
Beryllium-7	U	2.44	+/-11.2	18.6	60.0	pCi/L					
Cesium-134	U	1.09	+/-1.23	1.87	5.00	pCi/L					
Cesium-137	DL	-0.511	+/-1.01	1.57	1.00	pCi/L					
Cobalt-57	U	0.0791	+/-0.975	1.62	5.00	pCi/L					
Cobalt-60	U	0.375	+/-1.04	1.81	22.0	pCi/L					
Europium-152	U	1.10	+/-3.06	5.22	84.0	pCi/L					
Europium-154	U	1.31	+/-2.55	4.50	57.0	pCi/L					
Europium-155	U	4.58	+/-3.97	6.77	359	pCi/L					
Manganese-54	U	-0.366	+/-1.03	1.70	6.00	pCi/L					
Sodium-22	U	0.505	+/-0.919	1.63	7.00	pCi/L					
Zinc-65	U	-2.74	+/-2.45	3.72	15.0	pCi/L					
Rad Gas Flow Proportional Counting											
<i>GFPC, Gross A/B, liquid</i>											
Alpha	U	0.271	+/-0.930	1.95	2.00	pCi/L		MXP1 03/20/08	1533	735579	2
Beta	U	0.806	+/-1.04	1.77	4.00	pCi/L					
<i>GFPC, Ra228, Liquid</i>											
Radium-228	J	1.22	+/-0.571	0.766	1.50	pCi/L		BXF1 03/05/08	1232	730214	3
<i>GFPC, Sr90, liquid</i>											
Strontium-90	U	-0.359	+/-0.296	0.667	0.800	pCi/L		SLN1 03/07/08	1043	731963	4
Rad Liquid Scintillation Analysis											
<i>LSC, Tritium Dist, Liquid</i>											
Tritium	U	101	+/-166	285	300	pCi/L		MXP1 02/29/08	0948	729802	5

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 901.1	
2	EPA 900.0	
3	EPA 904.0 Modified	
4	EPA 905.0 Modified	
5	EPA 906.0 Modified	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery %	Acceptable Limits
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Report Date: March 20, 2008

Contact: Mr. John Burke
Project: **Hazardous & Radiochemical Analytical
Services--Summary**

Client Sample ID: 25485-007
Sample ID: 203300007

Project: BRKL00501
Client ID: BRKL005

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Surrogate/Tracer recovery	Test				Result	Nominal	Recovery%			Acceptable Limits	
Barium-133 Tracer	GFPC, Ra228, Liquid						66			(15%-125%)	
Strontium Carrier	GFPC, Sr90, liquid						90			(25%-125%)	

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Report Date: March 20, 2008

Contact: Mr. John Burke
 Project: **Hazardous & Radiochemical Analytical Services--Summary**

Client Sample ID:	25485-009	Project:	BRKL00501
Sample ID:	203300009	Client ID:	BRKL005
Matrix:	Water	COC:	25485
Collect Date:	21-FEB-08 09:35	Samp Recv.:	
Receive Date:	22-FEB-08 10:10	Client Desc.:	Well 4
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
<i>Gammascpec, Gamma, Liquid (Long List)</i>											
Americium-241	U	4.02	+/-6.38	9.52	25.0	pCi/L		MJH1 03/15/08	1351	734819	1
Beryllium-7	U	-5.67	+/-9.47	15.9	60.0	pCi/L					
Cesium-134	U	0.149	+/-1.14	1.75	5.00	pCi/L					
Cesium-137	DL	-1.1	+/-1.67	1.70	1.00	pCi/L					
Cobalt-57	U	0.0749	+/-0.853	1.48	5.00	pCi/L					
Cobalt-60	U	-0.17	+/-0.914	1.53	22.0	pCi/L					
Europium-152	U	0.958	+/-2.86	4.80	84.0	pCi/L					
Europium-154	U	2.14	+/-2.60	4.64	57.0	pCi/L					
Europium-155	U	2.32	+/-3.60	6.31	359	pCi/L					
Manganese-54	U	-0.469	+/-0.942	1.53	6.00	pCi/L					
Sodium-22	U	0.812	+/-0.932	1.67	7.00	pCi/L					
Zinc-65	U	-0.578	+/-2.35	3.39	15.0	pCi/L					
Rad Gas Flow Proportional Counting											
<i>GFPC, Gross A/B, liquid</i>											
Alpha	U	0.843	+/-1.13	1.88	2.00	pCi/L		MXP1 03/20/08	1534	735579	2
Beta	U	0.441	+/-0.856	1.54	4.00	pCi/L					
<i>GFPC, Ra228, Liquid</i>											
Radium-228	U	-0.0411	+/-0.421	0.833	1.50	pCi/L		BXF1 03/05/08	1232	730214	3
<i>GFPC, Sr90, liquid</i>											
Strontium-90	U	0.137	+/-0.384	0.688	0.800	pCi/L		SLN1 03/07/08	1051	731963	4
Rad Liquid Scintillation Analysis											
<i>LSC, Tritium Dist, Liquid</i>											
Tritium	U	215	+/-173	283	300	pCi/L		MXP1 02/29/08	1053	729802	5

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 901.1	
2	EPA 900.0	
3	EPA 904.0 Modified	
4	EPA 905.0 Modified	
5	EPA 906.0 Modified	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery %	Acceptable Limits

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Report Date: March 20, 2008

Contact: Mr. John Burke
Project: **Hazardous & Radiochemical Analytical
Services--Summary**

Client Sample ID: 25485-009
Sample ID: 203300009

Project: BRKL00501
Client ID: BRKL005

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Surrogate/Tracer recovery	Test				Result	Nominal	Recovery %			Acceptable Limits	
Barium-133 Tracer	GFPC, Ra228, Liquid						66			(15%-125%)	
Strontium Carrier	GFPC, Sr90, liquid						99			(25%-125%)	

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Report Date: March 20, 2008

Contact: Mr. John Burke
 Project: **Hazardous & Radiochemical Analytical
 Services--Summary**

Client Sample ID:	25485-008	Project:	BRKL00501
Sample ID:	203300008	Client ID:	BRKL005
Matrix:	Water	COC:	25485
Collect Date:	21-FEB-08 00:00	Samp Recv.:	
Receive Date:	22-FEB-08 10:10	Client Desc.:	BD-1
Collector:	Client		

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Rad Gamma Spec Analysis											
<i>Gammascpec, Gamma, Liquid (Long List)</i>											
Americium-241	U	0.115	+/-3.95	5.80	25.0	pCi/L		MJH1 03/15/08	1351	734819	1
Beryllium-7	U	-1.04	+/-8.22	13.9	60.0	pCi/L					
Cesium-134	U	-0.993	+/-1.07	1.39	5.00	pCi/L					
Cesium-137	DL	0.539	+/-0.827	1.42	1.00	pCi/L					
Cobalt-57	U	0.424	+/-0.651	1.14	5.00	pCi/L					
Cobalt-60	U	-0.0477	+/-0.814	1.34	22.0	pCi/L					
Europium-152	U	-0.498	+/-2.20	3.78	84.0	pCi/L					
Europium-154	U	0.561	+/-2.21	3.75	57.0	pCi/L					
Europium-155	U	2.55	+/-2.59	4.57	359	pCi/L					
Manganese-54	U	0.080	+/-0.797	1.38	6.00	pCi/L					
Sodium-22	U	0.231	+/-0.797	1.36	7.00	pCi/L					
Zinc-65	U	0.105	+/-1.86	3.14	15.0	pCi/L					
Rad Gas Flow Proportional Counting											
<i>GFPC, Gross A/B, liquid</i>											
Alpha	U	0.0241	+/-0.888	1.99	2.00	pCi/L		MXP1 03/20/08	1533	735579	2
Beta	U	1.06	+/-0.996	1.61	4.00	pCi/L					
<i>GFPC, Ra228, Liquid</i>											
Radium-228	U	0.320	+/-0.695	1.23	1.50	pCi/L		BXF1 03/05/08	1232	730214	3
<i>GFPC, Sr90, liquid</i>											
Strontium-90	U	0.245	+/-0.339	0.583	0.800	pCi/L		SLN1 03/07/08	1051	731963	4
Rad Liquid Scintillation Analysis											
<i>LSC, Tritium Dist, Liquid</i>											
Tritium	U	215	+/-173	283	300	pCi/L		MXP1 02/29/08	1021	729802	5

The following Analytical Methods were performed

Method	Description	Analyst Comments
1	EPA 901.1	
2	EPA 900.0	
3	EPA 904.0 Modified	
4	EPA 905.0 Modified	
5	EPA 906.0 Modified	

Surrogate/Tracer recovery	Test	Result	Nominal	Recovery%	Acceptable Limits

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Upton, New York 11973--5000

Report Date: March 20, 2008

Contact: Mr. John Burke
Project: **Hazardous & Radiochemical Analytical
Services--Summary**

Client Sample ID: 25485-008
Sample ID: 203300008

Project: BRKL00501
Client ID: BRKL005

Parameter	Qualifier	Result	Uncertainty	DL	RL	Units	DF	AnalystDate	Time	Batch	Method
Surrogate/Tracer recovery	Test				Result	Nominal	Recovery%			Acceptable Limits	
Barium-133 Tracer	GFPC, Ra228, Liquid						63			(15%-125%)	
Strontium Carrier	GFPC, Sr90, liquid						90			(25%-125%)	



81 Cornell Avenue, Bldg. 120
Upton, NY 11973



FACSIMILE TRANSMITTAL SHEET

Fax #: 631-344-6079

Date:	April 10, 2008
To:	Ms. Kathleen Newcomer
Company:	Suffolk County Department of Health Services
Fax #:	631-852-5787
From:	Jennifer Higbie
Phone Ext.:	631-344-5919 (or email: Higbie@bnl.gov)

Number of Pages (including cover sheet):	
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Comments:

Attached is a letter from George Goode with the Subject: Monthly Water Treatment Plant reports for March 2008.

Included with the letter are

Attachment I: BNL Potable Water Supply Operational Data for February
and

Attachment III: February 2008 Stage 1 Disinfectants & Disinfection Byproduct Rule Monitoring Data and Bacteriological Analyses for the BNL Distribution System

**EXPLORING EARTH'S MYSTERIES
...PROTECTING ITS FUTURE**

 *** TX REPORT ***

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Environmental & Waste Management Services Division

81 Cornell Avenue, Bldg. 120
 Upton, NY 11973

BROOKHAVEN
 NATIONAL LABORATORY

FACSIMILE TRANSMITTAL SHEET

Fax #: 631-344-6079

Date:	April 10, 2008
To:	Ms. Kathleen Newcomer
Company:	Suffolk County Department of Health Services
Fax #:	631-852-5787
From:	Jennifer Higbie
Phone Ext.:	631-344-5919 (or email: Higbie@bnl.gov)

Number of Pages (Including cover sheet):	
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Comments:
<p>Attached is a letter from George Goode with the Subject: Monthly Water Treatment Plant reports for March 2008.</p> <p>Included with the letter are</p> <p>Attachment I: BNL Potable Water Supply Operational Data for February</p> <p>and</p> <p>Attachment III: February 2008 Stage 1 Disinfectants & Disinfection Byproduct Rule</p>