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managed by Brookhaven Science Associates
for the U.S. Department of Energy

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December 7, 2000

Ms. Kathleen Newcomer
Suffolk County Department of Health Services
Drinking Water Supply Section
220 Rabro Drive East
Hauppauge, New York 11788

Dear Ms. Newcomer:

SUBJECT: Monthly Water Treatment Plant Reports

Reference: Suffolk County Minimum Monitoring Requirements for November 2000

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

- Attachment I: BNL Potable Water Monthly Bacteriological and Operational Reports for November 2000.
- Attachment II: November 2000 Biweekly Water Quality Monitoring Data for BNL Potable Water Wells.
- Attachment III: 2000 Fourth Quarter Principal Organic Compound Analyses for the BNL Potable Water Distribution System and Potable Water Wells
- Attachment IV: 2000 Fourth Quarter Bacteriological Reports for the BNL Potable Water Distribution System and Potable Wells

Due to a sampling technician's oversight, the fourth quarter sample for bacteriology analysis from the Water Treatment Facility and Principal Organic Compound analysis from the treated side of Well #10 were not collected. Additional samples will be collected and the analytical results submitted when available. 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,



L. E. Cunniff, CEP
Division Manager

LEC/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.00

ATTACHMENT I

**Brookhaven National Laboratory
Potable Water Supply**

**Monthly Bacteriological and Operational
Reports for November 2000**

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

Public Water Supply Protection

PROGRAM CODE 169 STATION 11515100 SUFFOLK COUNTY REPORTING PERIOD : **NOVEMBER 2000**

LOCATION: WATER TREATMENT PLANT

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

Source: Ground Water Does the system have a chlorination waiver? yes _____ no

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl ₂ Residual mg/l	Lime Sodium Hydroxide		
		Gallons	Cl ₂ use per 24hrs		_____	_____	
1	897	171/148	6	0.77	7.6	12066420	
2	950	163/148	8	0.66	7.6	12067370	
3	967	160/148	3	0.57	7.6	12068337	
4	0						
5	0						
6	2,715	140/148	20	0.6	7.8	12071052	
7	967	132/148	8	0.21	7.6	12072019	
8	902	130/148	2	0.05	6	12072921	
9	887	125/148	5	0	6	12073808	
10	0						
11	1,970	115/148	10	0.6	8	12075778	
12	0						
13	1,511	104/148	11	0.68	8	12077289	
14	869	100/148	4	0.6	7.8	12078158	
15	852	91/148	9	0.65	7.7	12079010	
16	899	85/148	6	0.53	7.7	12079909	
17	837	81+79/72	4	0.5	7.7	12080746	
18	0						
19	0						
20	2,594	149/72	10	0.6	7.4	12083340	
21	757	141/72	8	0.6	7.8	12084097	
22	811	137/72	4	0.6	8.2	12084908	
23	0						
24	1,624	123/72	14	0.71	7.8	12086532	
25	0						
26	0						
27	2,315	110/72	13	0.31	7.7	12088847	
28	865	105/72	5	0.65	7.6	12089712	
29	872	100/72	5	0.4	7.6	12090584	
30	842	92/72	8	0.48	7.5	12091426	
31	0						
TOT	25,903		163				
AVG.	863.43		5.43	No. Days:	30		

Population Served **3,500**

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

Number of actual routine samples 7

Does a M&AR violation exist? yes _____ No

If yes, check reason's below.

_____ Actual number of samples fewer than required.

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

_____ Failure to analyze repeat samples.

Does an MCL violation exist? no

If yes, check reason(s) below.

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

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

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

Reported by JC Papp Date: 12-1-00
 Title: WATER SYSTEMS SUPERVISOR Cert. #: 05650

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

Public Water Supply Protection

PROGRAM CODE 169 STATION 11515100 SUFFOLK COUNTY REPORTING PERIOD : **NOVEMBER 2000**

LOCATION: WELL NO. 4

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

Source: Ground Water

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl ₂ Residual	Lime Sodium Hydroxide	Totalizer	
		Gallons	Cl ₂ use per 24hrs	mg/l			
		110					1437792
1	255	105	5	0.02	6		1438047
2	309	97+103	8	0.02	6.1		1438356
3	355	190	10	0.42	6		1438711
4	0						
5	0						
6	856	171	19	0.2	6.1		1439567
7	374	161	10	0	6		1439941
8	258	153	8	0.05	6		1440199
9	269	147+53	6	0	6		1440468
10	0						
11	614	182	19	0.2	6.1		1441082
12	0						0
13	564	170	12	0.12	6.1		1441646
14	328	161	9	0.2	6		1441974
15	289	155	6	0.07	6.1		1442263
16	250	150	5	0.08	6		1442513
17	258	140	10	0.02	6		1442771
18	0						
19	0						
20	739	120	20	0.2	6.1		1443510
21	289	114+26	6	0.2	6.1		1443799
22	255	135	5	0.2	6.1		1444054
23	0						
24	534	120	15	0.2	6.1		1444588
25	0						
26	0						
27	723	100	20	0.06	6.3		1445311
28	273	93	7	0.05	5.9		1445584
29	284	87	5	0.08	5.9		1445868
30	314	79	8	0.08	5.9		1446182
31	0						
TOT	8,390		213				
AVG.	279.67		7.10	No. Days.	30		

Population Served **3,500**

Number of routine samples 4

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

Number of actual routine samples 7

Does a M&AR violation exist? yes ___ No

If yes, check reason's below.

___ Actual number of samples fewer than required

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

___ Failure to analyze repeat samples.

Does an MCL violation exist? no

If yes, check reason(s) below.

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

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

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

Reported by: [Signature]

Date: 12-1-00

Title: WATER SYSTEMS SUPERVISOR

Cert. #: 05650

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

Public Water Supply Protection

PROGRAM CODE 169 STATION 11515100 SUFFOLK COUNTY REPORTING PERIOD: **NOVEMBER 2000**

LOCATION: WELL NO. 6

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

Source: Ground Water

Does the system have a chlorination waiver? yes ___ no

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime	Sodium Hydroxide	
		Gallons	Cl2 use per 24hrs		Sodium		
1	176	122	2	0.02	6	72429	
2	287	120	2	0.02	6.1	72716	
3	198	117	3	0.42	6	72914	
4	0						
5	0						
6	789	107	10	0.2	6.1	73703	
7	111	105	2	0	6	73814	
8	276	102	3	0.05	6	74090	
9	171	100+45	2	0	6	74261	
10	0						
11	494	138	7	0.2	6.1	74755	
12	0						
13	557	130	8	0.12	6.1	75312	
14	109	130	0	0.2	6	75421	
15	198	128	2	0.07	6.1	75619	
16	284	120	8	0.08	6	75903	
17	371	120	0	NR	NR	76274	
18	0						
19	0						
20	1,220	105	15	0.2	6.1	77494	
21	459	99+46	6	0.2	6.1	77953	
22	406	140	5	0.2	6.1	78359	
23	0						
24	852	130	10	0.2	6.1	79211	
25	0						
26	0						
27	1,163	114	16	0.06	6.3	80374	
28	180	111	3	0.05	5.9	80554	
29	163	111	0	0.08	5.9	80717	
30	238	109	2	0.08	5.9	80955	
31	0						
TOT	8,702		106			0	
AVG.	290.07		3.53	No. Days:	30		

Population Served: **3,500**

Number of routine samples: 4

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

Number of actual routine samples: 7

Does a M&AR violation exist? yes ___ No

If yes, check reason's below.

___ Actual number of samples fewer than required.

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

___ Failure to analyze repeat samples

Does an MCL violation exist? NO

If yes, check reason(s) below.

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

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

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

Reported by: JC Row

Date: 12-1-00

Title: WATER SYSTEMS SUPERVISOR

Cert. # 05650

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

Public Water Supply Protection

PROGRAM CODE 169 STATION 11515100 SUFFOLK COUNTY REPORTING PERIOD : **NOVEMBER 2000**

LOCATION: WELL NO. 7

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

Source: Ground Water

Does the system have a chlorination waiver? yes _____ no

Day of month	CHLORINATION			pH		Totalizer
	Treated Water	Liquid Sodium Hypochlorite	Free Cl ₂ Residual	Lime Sodium Hydroxide	Daily Totalizer	
	K Gals	Gallons	Cl ₂ use per 24hrs	mg/l		
1	718	127	8	0.02	6	298000
2	725	120+60	7	0.02	6.1	298725
3	875	168	12	0.42	6	299600
4	0					
5	0					
6	2,198	148	20	0.2	6.1	301798
7	854	140	8	0	6	302652
8	756	131	9	0.05	6	303408
9	683	129+71	2	0	6	304091
10	0					
11	1,447	198	2	0.2	6.1	305538
12	0					
13	1,328	179	19	0.12	6.1	306866
14	770	171	8	0.2	6	307636
15	691	168	3	0.07	6.1	308327
16	614	160	8	0.08	6	308941
17	379	160	0	0.02	6	309320
18	0					
19	0					
20	1,220	152	8	0.2	6.1	310540
21	357	149+29	3	0.2	6.1	310897
22	377	175	3	0.2	6.1	311274
23	0					
24	816	170	5	0.02	6.1	312090
25	0					
26	0					
27	1,063	155	15	0.06	6.3	313153
28	813	142	13	0.05	5.9	313966
29	812	132	10	0.08	5.9	314778
30	787	122	10	0.08	5.9	315565
31	0					
TOT	18,283		173			0
AVG.	609.43		5.77	No. Days:	30	

Population Served 3,500

Number of routine samples 4

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

Number of actual routine samples 7

Does a M&AR violation exist? yes _____ No

If yes, check reason's below.

_____ Actual number of samples fewer than required.

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

_____ Failure to analyze repeat samples.

Does an MCL violation exist? NO

If yes, check reason(s) below.

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

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

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

Reported by [Signature]

Date 12-1-00

Title WATER SYSTEMS SUPERVISOR

Cert. # 25650

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

Public Water Supply Protection

PROGRAM CODE 169 STATION 11515100 SUFFOLK COUNTY REPORTING PERIOD: **NOVEMBER 2000**

LOCATION: WELL NO. 10

Source: Ground Water

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

Does the system have a chlorination waiver? yes _____ no

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide		
		Gallons	Cl2 use per 24hrs				
1	0	59	0	NR	NR	763958	
2	0	59	0	NR	NR	763958	
3	0	59	0	NR	NR	763958	
4	0						
5	0						
6	0	59	0	NR	NR	763958	
7	1	59	0	NR	NR	763959	
8	1	59	0	NR	NR	763960	
9	0	59	0	NR	NR	763960	
10	0						
11	0	59	0	NR	NR	763960	
12	0						
13	0	59	0	NR	NR	763960	
14	0	59	0	NR	NR	763960	
15	0	59	0	NR	NR	763960	
16	0	59	0	NR	NR	763960	
17	2	59	0	NR	NR	763962	
18	0						
19	0						
20	0	59	0	NR	NR	763962	
21	0	59	0	NR	NR	763962	
22	0	59	0	NR	NR	763962	
23	0						
24	0	59	0	NR	NR	763962	
25	0						
26	0						
27	0	59	0	NR	NR	763962	
28	0	59	0	NR	NR	763962	
29	0	59	0	NR	NR	763962	
30	0	59	0	NR	NR	763962	
31	0						
TOT	4		0			0	
AVG.	0.13		0.00	No. Days:	30		

Population Served **3,500**

Number of routine samples 4

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

Number of actual routine samples 7

Does a M&AR violation exist? yes _____ No

If yes, check reason's below.

_____ Actual number of samples fewer than required.

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

_____ Failure to analyze repeat samples.

Does an MCL violation exist? no

If yes, check reason(s) below

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

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

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

Reported by: S. J. Pass

Date: 12-1-00

Title: WATER SYSTEMS SUPERVISOR

Cert. # 05650

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

Public Water Supply Protection

PROGRAM CODE 169 STATION 11515100 SUFFOLK COUNTY REPORTING PERIOD : **NOVEMBER 2000**

LOCATION: WELL NO. 11

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

Source: Ground Water

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer
	Treated Water K Gals	Liquid Sodium Hypochlorite		Free Cl ₂ Residual	Lime Sodium	Totalizer	
		Gallons	Cl ₂ use per 24hrs	mg/l	Hydroxide		
1	104	145	0	NR	NR	326788	
2	95	145	0	0.5	6.5	326883	
3	48	145	0	0.04	6.6	326931	
4	0						
5	0						
6	234	145	0	0.2	7.9	327165	
7	92	145	0	0.31	7.5	327257	
8	99	145	0	0.81	7.7	327356	
9	94	145	0	0.49	7.7	327450	
10	0						
11	195	145	0	NR	NR	327645	
12	0						
13	159	145	0	NR	NR	327804	
14	83	144	1	0.31	8.1	327887	
15	40	144	0	0.4	8	327927	
16	7	144	0	NR	NR	327934	
17	46	143	1	NR	NR	327980	
18	0						
19	0						
20	0	143	0	0.2	7.7	327980	
21	0	143-101	0	NR	NR	327980	
22	6	42	0	NR	NR	327986	
23	0						
24	0	42	0	NR	NR	327986	
25	0						
26	0						
27	0	42	0	0.3	8	327986	
28	0	42	0	0.2	8	327986	
29	5	42	0	0.22	7.4	327991	
30	2	42	0	0.3	8	327993	
31	0						
TOT	1,309		2				
AVG.	43.63		0.07	No. Days:	30		

Population Served 3,500

Number of routine samples 4

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

Number of actual routine samples 7

Does a M&AR violation exist? yes _____ No

If yes, check reason's below.

_____ Actual number of samples fewer than required.

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

_____ Failure to analyze repeat samples.

Does an MCL violation exist? NO

If yes, check reason(s) below.

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

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

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

Reported by: [Signature]

Date: 12-1-00

Title: WATER SYSTEMS SUPERVISOR

Cert. #: 05650

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

Public Water Supply Protection

PROGRAM CODE 169 STATION 11515100 SUFFOLK COUNTY REPORTING PERIOD: **NOVEMBER 2000**

LOCATION: WELL NO. 12

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

Source: Ground Water

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer
	Treated Water	Liquid Sodium Hypochlorite Gallons	Free Cl2 Residual	Cl2 use per 24hrs	Lime Sodium Hydroxide		
	K Gals	175	mg/l				
1	27	175	0	0.75	7.8		275198
2	13	175	0	0.43	7.1		275211
3	11	175	0	1.01	7		275222
4	0						
5	0						
6	30	175	0	0.25	7.5		275252
7	4	175	0	0.29	7.3		275256
8	3	175	0	0.33	7.4		275259
9	0	175	0	0.26	7.5		275259
10	0						
11	30	175	0	NR	NR		275289
12	0						
13	0	175	0	0.35	7.2		275289
14	108	173	2	0.32	7.4		275397
15	3	173	0	0.2	7.9		275400
16	13	173	0	0.2	7.2		275413
17	21	172	1	0.25	7		275434
18	0						
19	0						
20	15	172	0	0.2	7.8		275449
21	0	172	0	0.7	7.3		275449
22	95	171	1	0.4	7.4		275545
23	0						
24	0	170	1	0.59	7.6		275545
25	0						
26	0						
27	10	170	0	0.2	8		275555
28	0	170	0	0.2	8.1		275555
29	14	170	0	0.1	7.1		275569
30	3	170	0	0.3	8		275572
31	0						
TOT	401		5				
AVG.	13.37		0.17	No. Days:	30		

Population Served 3,500

Number of routine samples 4

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

Number of actual routine samples 7

Does a M&AR violation exist? yes ___ No

If yes, check reason's below.

___ Actual number of samples fewer than required.

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

___ Failure to analyze repeat samples.

Does an MCL violation exist? NO

If yes, check reason(s) below.

___ Two or more positive total coliform samples for systems collecting 40 or more samples (routine, repeat or h/turb) per month.

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

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

Reported by: To Ross

Date: 12-1-00

Title: WATER SYSTEMS SUPERVISOR

Cert. # 05650

11/30/00
Pump Data

MONTHLY GALLONAGE REPORT
Nov2000

Date	Well 4	Well 6	Well 7	Well10	Well11	Well12	Daily Total
1	255	176	718	0	104	27	1,280
2	309	287	725	0	95	13	1,429
3	355	198	875	0	48	11	1,487
4	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0
6	856	789	2,198	0	234	30	4,107
7	374	111	854	1	92	4	1,436
8	258	276	756	1	99	3	1,393
9	269	171	683	0	94	0	1,217
10	0	0	0	0	0	0	0
11	614	494	1,447	0	195	30	2,780
12	0	0	0	0	0	0	0
13	564	557	1,328	0	159	0	2,608
14	328	109	770	0	83	108	1,398
15	289	198	691	0	40	3	1,221
16	250	284	614	0	7	13	1,168
17	258	371	379	2	46	21	1,077
18	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0
20	739	1,220	1,220	0	0	15	3,194
21	289	459	357	0	0	0	1,105
22	255	406	377	0	6	96	1,140
23	0	0	0	0	0	0	0
24	534	852	816	0	0	0	2,202
25	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0
27	723	1,163	1,063	0	0	10	2,959
28	273	180	813	0	0	0	1,266
29	284	163	812	0	5	14	1,278
30	314	238	787	0	2	3	1,344
31	0	0	0	0	0	0	0
Total	8,390	8,702	18,283	4	1,309	401	37,089
		Totalizer		Totalizer		Total(x1,000)	
		This Month		Last Month		Gallons	
	Well 4	1,446,182		1,437,792		8,390	
	Well 6	80,955		72,253		8,702	
	Well 7	315,565		297,282		18,283	
	Well 10	763,962		763,958		4	
	Well 11	327,993		326,684		1,309	
	Well 12	275,572		275,171		401	
AGS Water Supply Meter		181,610		181,546		64.00	
Medical Reactor - Well 105		88,298,020		86,806,120		1491.90	
Biology Building - Well 9		5,770,110		5,747,770		22.34	

LABORATORY RESULTS

ROCKHAVEN NATIONAL LAB.-BNLM
 10 BELL AVE.
 BROOKLYN, NY 11973
 Federal ID : 5111891

Received : 02-NOV-2000 14:00
 Collected By : RL99
 Sample Type : Potable Water

Copies To : SCHD

Lab Number	Collected	Location	Units Method Limits	<u>T. COLI. BACT.</u> NONE SAM9223 NEGATIVE	<u>E. COLI.</u> NONE SAM9223 ABSENT	<u>CHLORINE RESIDUAL</u> mg/L SAM4500-C1G N/A
0001102-119 ROUTINE DISTRIBUTION	02-NOV-2000 06:10	B-49 WATER TOWER		NEGATIVE 02-NOV-2000 14:00	ABSENT 02-NOV-2000 14:00	0.61 02-NOV-2000
0001102-120 ROUTINE DISTRIBUTION	02-NOV-2000 06:20	B-640 WATER TOWER		NEGATIVE 02-NOV-2000 14:00	ABSENT 02-NOV-2000 14:00	0.27 02-NOV-2000
0001102-121 ROUTINE DISTRIBUTION	02-NOV-2000 06:45	B-1005 RHIC		NEGATIVE 02-NOV-2000 14:00	ABSENT 02-NOV-2000 14:00	0.33 02-NOV-2000
0001102-122 ROUTINE DISTRIBUTION	02-NOV-2000 06:35	B-363 APT. LAUNDRY		NEGATIVE 02-NOV-2000 14:00	ABSENT 02-NOV-2000 14:00	0.22 02-NOV-2000
0001102-123 ROUTINE DISTRIBUTION	02-NOV-2000 07:10	B-930 LINAC		NEGATIVE 02-NOV-2000 14:00	ABSENT 02-NOV-2000 14:00	0.92 02-NOV-2000
0001102-124 ROUTINE DISTRIBUTION	02-NOV-2000 07:05	B-490 OUTPATIENT CLINIC		NEGATIVE 02-NOV-2000 14:00	ABSENT 02-NOV-2000 14:00	0.72 02-NOV-2000
0001102-125 ROUTINE DISTRIBUTION	02-NOV-2000 09:15	B-490 BLOCK 11		NEGATIVE 02-NOV-2000 14:00	ABSENT 02-NOV-2000 14:00	0.45 02-NOV-2000

12/06/2000 13:01

5164208436

H2M LABS

PAGE 02

LABORATORY RESULTS

Broad Hollow Road, Melville, NY 11747-5076
Tel: (631) 420-8436 FAX: (631) 420-8436 NYSDOH ID# 10478

ROCKHAVEN NATIONAL LAB.-BNLM
BELL AVE.
ROCKY HILL, NY 11973
Lab ID: 5111891

Received : 02-NOV-2000 14:00
Collected By : RL99
Sample Type : Potable Water

Copies To : SCHD

Lab Number	Collected	Location	Units Method Limits	T. COLI, BACT. NONE SAM#9223 NEGATIVE	E. COLL NONE SAM#9223 ABSENT	CHLORINE RESIDUAL mg/L SAM#500-C1G N/A
0001102-126	02-NOV-2000	DUPLICATE		NEGATIVE	ABSENT	0.33
ROUTINE	06:45			02-NOV-2000 14:00	02-NOV-2000 14:00	02-NOV-2000
DISTRIBUTION						

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

12/06/2000 13:01 5164208436 H2M LABS PAGE 03

ATTACHMENT II

**Brookhaven National Laboratory
Potable Water Supply**

**November 2000 Biweekly and Quarterly 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
November 2000

Sample Location	Sample Date	pH (SU)	Temperature (Degrees F)	Conductivity (μ mhos)	Alkalinity (mg/L)	Calcium (mg/L)
WTP	11/2/00	7.5	55	136	NR	NR
WTP	11/7/00	7.6	55	136	NR	NR
WTP	11/9/00	7.5	53	135	NR	NR
WTP	11/14/00	7.8	54	145	NR	NR
WTP	11/16/00	7.7	52	126	NR	NR
WTP	11/21/00	7.8	55	165	NR	NR
WTP	11/28/00	7.6	52	141	NR	NR
WTP	11/30/00	7.5	54	141	NR	NR
Well 11	11/2/00	6.5	54	163	NR	NR
Well 11	11/7/00	7.5	56	168	NR	NR
Well 11	11/9/00	7.7	55	168	NR	NR
Well 11	11/14/00	8.1	55	176	NR	NR
Well 11	11/16/00	7.0	54	152	NR	NR
Well 11	11/28/00	8.0	56	186	NR	NR
Well 11	11/30/00	8.0	NR	187	NR	NR
Well 12	11/2/00	7.1	56	160	NR	NR
Well 12	11/7/00	7.3	55	148	NR	NR
Well 12	11/9/00	7.5	56	160	NR	NR
Well 12	11/14/00	7.4	56	144	NR	NR
Well 12	11/16/00	7.2	56	160	NR	NR
Well 12	11/21/00	7.3	56	159	NR	NR
Well 12	11/28/00	8.1	56	181	NR	NR
Well 12	11/30/00	8.0	NR	177	NR	NR
Bldg. 490	12/12/00	7.6	53	129	20.2	7.7
Bldg. 640	12/12/00	7.5	59	138	24.2	6.8
Bldg. 363	12/12/00	8.5	62	140	22.5	8.8

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.

575 Broad Hollow Road, Melville, NY 11747-5076
(631)694-3040 . FAX:(631)420-8436 NYSDOH ID# 10478

BROOKHAVEN NATIONAL LAB.-BNLM
70 BELL AVE.
UPTON, NY 11973

Lab No. : 20001012-244

Sample Information...

Type : Potable Water
ROUTINE
Origin: DISTRIBUTION

Attn To : S. SCARPITTA/T. ROSS
Federal ID : 5111891
Collected : 12-OCT-2000 06:15
Received : 12-OCT-2000 15:05
Collected By : JK99

Location: B-490 WATER TOWER

Copies To : SCHD

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
CONDUCTIVITY	129.	umhos/cm	EPA#120.1	12-OCT-2000
PH	7.6	units	EPA#150.1	12-OCT-2000
TOTAL ALKALINITY	20.2	mg/L	SM#2320B	16-OCT-2000
FIELD TEMPERATURE	53	F	EPA#170.1	12-OCT-2000
CALCIUM	7.7	mg/L	EPA#200.7	20-OCT-2000

S 0031

Date Issued : 11/14/2000

ORIGINAL

Report for client information only


Laboratory Director

575 Broad Hollow Road, Melville, NY 11747-5076
(631)694-3040 . FAX:(631)420-8436 NYSDOH ID# 10478



BROOKHAVEN NATIONAL LAB.-BNLM
70 BELL AVE.
UPTON, NY 11973

Lab No. : 20001012-245

Sample Information...

Type : Potable Water

ROUTINE

Origin: DISTRIBUTION

Attn To : S. SCARPITTA/T. ROSS
Federal ID : 5111891
Collected : 12-OCT-2000 06:45
Received : 12-OCT-2000 15:05
Collected By : JK99

Location: B-640 WATER TOWER

Copies To : SCHD

Parameter(s)	Results	Units	Method Number	Analyzed
CONDUCTIVITY	138	umhos/cm	EPA#120.1	12-OCT-2000
PH	7.5	units	EPA#150.1	12-OCT-2000
TOTAL ALKALINITY	24.2	mg/L	SM#2320B	16-OCT-2000
FIELD TEMPERATURE	59	F	EPA#170.1	12-OCT-2000
CALCIUM	6.8	mg/L	EPA#200.7	20-OCT-2000

S 0033

Date Issued : 11/14/2000

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Laboratory Director

575 Broad Hollow Road, Melville, NY 11747-5076
(631)694-3040 . FAX:(631)420-8436 NYSDOH ID# 10478



BROOKHAVEN NATIONAL LAB.-BNLM
70 BELL AVE.
UPTON, NY 11973

Lab No. : 20001012-246

Sample Information...

Type : Potable Water
ROUTINE
Origin: DISTRIBUTION

Attn To : S. SCARPITTA/T. ROSS
Federal ID : 5111891
Collected : 12-OCT-2000 06:00
Received : 12-OCT-2000 15:05
Collected By : JK99

Location: B-363 APT. LAUNDRY

Copies To : SCHD

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Method Number</u>	<u>Analyzed</u>
CONDUCTIVITY	140	umhos/cm	EPA#120.1	12-OCT-2000
PH	8.5	units	EPA#150.1	12-OCT-2000
TOTAL ALKALINITY	22.5	mg/L	SM#2320B	16-OCT-2000
FIELD TEMPERATURE	62	F	EPA#170.1	12-OCT-2000
CALCIUM	8.8	mg/L	EPA#200.7	20-OCT-2000

S 0035

Date Issued : 11/14/2000

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Report for client information only


Laboratory Director

ATTACHMENT III

**Brookhaven National Laboratory
Potable Water Supply**

**2000 Fourth Quarter Principal Organic Compound Analyses for
the BNL Potable Water Distribution System and Potable Water Wells**

575 Broad Hollow Road, Melville, NY 11747-5076
(631)694-3040 . FAX:(631)420-8436 NYSDOH ID# 10478



BROOKHAVEN NATIONAL LAB.-BNLM
70 BELL AVE.
UPTON, NY 11973

Lab No. : 20001012-231

Sample Information...

Type : Potable Water
ROUTINE
Origin: RAW WELL

Attn To : S. SCARPITTA/T. ROSS
Federal ID : 5111891
Collected : 12-OCT-2000 11:00
Received : 12-OCT-2000 15:05
Collected By : JK99

Location: WELL #4

Copies To : SCHD

VOLATILE ORGANICS (METHOD 502.2) - ug/L

Run Number : 243
Date Analyzed : 19-OCT-2000

Parameter(s)	Results	Limit	Parameter(s)	Results	Limit
DICHLORODIFLUOROMETHANE	<0.5	5.0	1,2,3-TRICHLOROPROPANE	<0.5	5.0
CHLOROMETHANE	<0.5	5.0	2-CHLOROTOLUENE	<0.5	5.0
VINYL CHLORIDE	<0.5	2.0	4-CHLOROTOLUENE	<0.5	5.0
BROMOMETHANE	<0.5	5.0	M-DICHLOROBENZENE	<0.5	5.0
CHLOROETHANE	<0.5	5.0	P-DICHLOROBENZENE	<0.5	5.0
FLUOROTRICHLOROMETHANE	<0.5	5.0	O-DICHLOROBENZENE	<0.5	5.0
1,1-DICHLOROETHENE	<0.5	5.0	1,2,4-TRICHLOROBENZENE	<0.5	5.0
METHYLENE CHLORIDE	<0.5	5.0	HEXACHLOROBUTADIENE	<0.5	5.0
TRANS-1,2-DICHLOROETHENE	<0.5	5.0	1,2,3-TRICHLOROBENZENE	<0.5	5.0
1,1-DICHLOROETHANE	<0.5	5.0	BENZENE	<0.5	5.0
CIS-1,2-DICHLOROETHENE	<0.5	5.0	TOLUENE	<0.5	5.0
2,2-DICHLOROPROPANE	<0.5	5.0	ETHYLBENZENE	<0.5	5.0
BROMOCHLOROMETHANE	<0.5	5.0	1,3-XYLENE	<0.5	5.0
CHLOROFORM	4.0	50	1,4-XYLENE	<0.5	5.0
1,1,1-TRICHLOROETHANE	<0.5	5.0	1,2-XYLENE	<0.5	5.0
CARBON TETRACHLORIDE	<0.5	5.0	STYRENE	<0.5	5.0
1,1-DICHLOROPROPENE	<0.5	5.0	ISOPROPYLBENZENE(CUMENE)	<0.5	5.0
1,2-DICHLOROETHANE	<0.5	5.0	N-PROPYLBENZENE	<0.5	5.0
TRICHLOROETHENE	<0.5	5.0	1,3,5-TRIMETHYLBENZENE	<0.5	5.0
1,2-DICHLOROPROPANE	<0.5	5.0	TERT-BUTYLBENZENE	<0.5	5.0
DIBROMOMETHANE	<0.5	5.0	1,2,4-TRIMETHYLBENZENE	<0.5	5.0
BROMODICHLOROMETHANE	0.9	50	SEC-BUTYLBENZENE	<0.5	5.0
TRANS-1,3-DICHLOROPROPENE	<0.5	5.0	P-ISOPROPYLTOLUENE	<0.5	5.0
CIS-1,3-DICHLOROPROPENE	<0.5	5.0	N-BUTYLBENZENE	<0.5	5.0
1,1,2-TRICHLOROETHANE	<0.5	5.0	METHYL TERT. BUTYL ETHER	<0.5	50
TETRACHLOROETHENE	<0.5	5.0			
1,3-DICHLOROPROPANE	<0.5	5.0			
CHLORODIBROMOMETHANE	<0.5	50			
CHLOROBENZENE	<0.5	5.0			
1,1,1,2-TETRACHLOROETHANE	<0.5	5.0			
BROMOFORM	<0.5	50			
BROMOBENZENE	<0.5	5.0			
1,1,2,2-TETRACHLOROETHANE	<0.5	5.0			

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

Date Issued : 11/10/2000

ORIGINAL

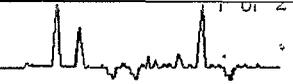
Report for client information only

S 0022

Joann M. Alavin

Laboratory Director

575 Broad Hollow Road, Melville, NY 11747-5076
(631)694-3040 . FAX:(631)420-8436 NYSDOH ID# 10478



BROOKHAVEN NATIONAL LAB.-BNLM
70 BELL AVE.
UPTON, NY 11973

Lab No. : 20001012-232

Sample Information...
Type : Potable Water
ROUTINE
Origin: RAW WELL

Attn To : S. SCARPITTA/T. ROSS
Federal ID : 5111891
Collected : 12-OCT-2000 11:15
Received : 12-OCT-2000 15:05
Collected By : JK99

Location: WELL #6

Copies To : SCHD

VOLATILE ORGANICS (METHOD 502.2) - ug/L

Run Number : 244
Date Analyzed : 19-OCT-2000

Parameter(s)	Results	Limit	Parameter(s)	Results	Limit
DICHLORODIFLUOROMETHANE	<0.5	5.0	1,2,3-TRICHLOROPROPANE	<0.5	5.0
CHLOROMETHANE	<0.5	5.0	2-CHLOROTOLUENE	<0.5	5.0
VINYL CHLORIDE	<0.5	2.0	4-CHLOROTOLUENE	<0.5	5.0
BROMOMETHANE	<0.5	5.0	M-DICHLOROBENZENE	<0.5	5.0
CHLOROETHANE	<0.5	5.0	P-DICHLOROBENZENE	<0.5	5.0
FLUOROTRICHLOROMETHANE	<0.5	5.0	O-DICHLOROBENZENE	<0.5	5.0
1,1-DICHLOROETHENE	<0.5	5.0	1,2,4-TRICHLOROBENZENE	<0.5	5.0
METHYLENE CHLORIDE	<0.5	5.0	HEXACHLOROBUTADIENE	<0.5	5.0
TRANS-1,2-DICHLOROETHENE	<0.5	5.0	1,2,3-TRICHLOROBENZENE	<0.5	5.0
1,1-DICHLOROETHANE	<0.5	5.0	BENZENE	<0.5	5.0
CIS-1,2-DICHLOROETHENE	<0.5	5.0	TOLUENE	<0.5	5.0
2,2-DICHLOROPROPANE	<0.5	5.0	ETHYLBENZENE	<0.5	5.0
BROMOCHLOROMETHANE	<0.5	5.0	1,3-XYLENE	<0.5	5.0
CHLOROFORM	<0.5	50	1,4-XYLENE	<0.5	5.0
1,1,1-TRICHLOROETHANE	<0.5	5.0	1,2-XYLENE	<0.5	5.0
CARBON TETRACHLORIDE	<0.5	5.0	STYRENE	<0.5	5.0
1,1-DICHLOROPROPENE	<0.5	5.0	ISOPROPYLBENZENE(CUMENE)	<0.5	5.0
1,2-DICHLOROETHANE	<0.5	5.0	N-PROPYLBENZENE	<0.5	5.0
TRICHLOROETHENE	<0.5	5.0	1,3,5-TRIMETHYLBENZENE	<0.5	5.0
1,2-DICHLOROPROPANE	<0.5	5.0	TERT-BUTYLBENZENE	<0.5	5.0
DIBROMOMETHANE	<0.5	5.0	1,2,4-TRIMETHYLBENZENE	<0.5	5.0
BROMODICHLOROMETHANE	<0.5	50	SEC-BUTYLBENZENE	<0.5	5.0
TRANS-1,3-DICHLOROPROPENE	<0.5	5.0	P-ISOPROPYLTOLUENE	<0.5	5.0
CIS-1,3-DICHLOROPROPENE	<0.5	5.0	N-BUTYLBENZENE	<0.5	5.0
1,1,2-TRICHLOROETHANE	<0.5	5.0	METHYL TERT. BUTYL ETHER	<0.5	50
TETRACHLOROETHENE	<0.5	5.0			
1,3-DICHLOROPROPANE	<0.5	5.0			
CHLORODIBROMOMETHANE	<0.5	50			
CHLOROBENZENE	<0.5	5.0			
1,1,1,2-TETRACHLOROETHANE	<0.5	5.0			
BROMOFORM	<0.5	50			
BROMOBENZENE	<0.5	5.0			
1,1,2,2-TETRACHLOROETHANE	<0.5	5.0			

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

S 0023

Date Issued : 11/10/2000

ORIGINAL

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Joann M. Slavin

Laboratory Director

575 Broad Hollow Road, Melville, NY 11747-5076
(631)694-3040 . FAX:(631)420-8436 NYSDOH ID# 10478**BROOKHAVEN NATIONAL LAB.-BNLM**
70 BELL AVE.
UPTON, NY 11973**Lab No. : 20001012-233****Sample Information...**Type : Potable Water
ROUTINE
Origin: RAW WELL**Attn To : S. SCARPITTA/T. ROSS**

Federal ID : 5111891

Collected : 12-OCT-2000 11:30

Received : 12-OCT-2000 15:05

Collected By : JK99

Location: **WELL #7**

Copies To : SCHD

VOLATILE ORGANICS (METHOD 502.2) - ug/L

Run Number : 245

Date Analyzed : 19-OCT-2000

<u>Parameter(s)</u>	<u>Results</u>	<u>Limit</u>	<u>Parameter(s)</u>	<u>Results</u>	<u>Limit</u>
DICHLORODIFLUOROMETHANE	<0.5	5.0	1,2,3-TRICHLOROPROPANE	<0.5	5.0
CHLOROMETHANE	<0.5	5.0	2-CHLOROTOLUENE	<0.5	5.0
VINYL CHLORIDE	<0.5	2.0	4-CHLOROTOLUENE	<0.5	5.0
BROMOMETHANE	<0.5	5.0	M-DICHLOROBENZENE	<0.5	5.0
CHLOROETHANE	<0.5	5.0	P-DICHLOROBENZENE	<0.5	5.0
FLUOROTRICHLOROMETHANE	<0.5	5.0	O-DICHLOROBENZENE	<0.5	5.0
1,1-DICHLOROETHENE	<0.5	5.0	1,2,4-TRICHLOROBENZENE	<0.5	5.0
METHYLENE CHLORIDE	<0.5	5.0	HEXACHLOROBUTADIENE	<0.5	5.0
TRANS-1,2-DICHLOROETHENE	<0.5	5.0	1,2,3-TRICHLOROBENZENE	<0.5	5.0
1,1-DICHLOROETHANE	<0.5	5.0	BENZENE	<0.5	5.0
CIS-1,2-DICHLOROETHENE	<0.5	5.0	TOLUENE	<0.5	5.0
2,2-DICHLOROPROPANE	<0.5	5.0	ETHYLBENZENE	<0.5	5.0
BROMOCHLOROMETHANE	<0.5	5.0	1,3-XYLENE	<0.5	5.0
CHLOROFORM	1.5	50	1,4-XYLENE	<0.5	5.0
1,1,1-TRICHLOROETHANE	<0.5	5.0	1,2-XYLENE	<0.5	5.0
CARBON TETRACHLORIDE	<0.5	5.0	STYRENE	<0.5	5.0
1,1-DICHLOROPROPENE	<0.5	5.0	ISOPROPYLBENZENE(CUMENE)	<0.5	5.0
1,2-DICHLOROETHANE	<0.5	5.0	N-PROPYLBENZENE	<0.5	5.0
TRICHLOROETHENE	<0.5	5.0	1,3,5-TRIMETHYLBENZENE	<0.5	5.0
1,2-DICHLOROPROPANE	<0.5	5.0	TERT-BUTYLBENZENE	<0.5	5.0
DIBROMOMETHANE	<0.5	5.0	1,2,4-TRIMETHYLBENZENE	<0.5	5.0
BROMODICHLOROMETHANE	<0.5	50	SEC-BUTYLBENZENE	<0.5	5.0
TRANS-1,3-DICHLOROPROPENE	<0.5	5.0	P-ISOPROPYLTOLUENE	<0.5	5.0
CIS-1,3-DICHLOROPROPENE	<0.5	5.0	N-BUTYLBENZENE	<0.5	5.0
1,1,2-TRICHLOROETHANE	<0.5	5.0	METHYL TERT. BUTYL ETHER	<0.5	50
TETRACHLOROETHENE	<0.5	5.0			
1,3-DICHLOROPROPANE	<0.5	5.0			
CHLORODIBROMOMETHANE	<0.5	50			
CHLOROBENZENE	<0.5	5.0			
1,1,1,2-TETRACHLOROETHANE	<0.5	5.0			
BROMOFORM	<0.5	50			
BROMOBENZENE	<0.5	5.0			
1,1,2,2-TETRACHLOROETHANE	<0.5	5.0			

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

S 0024

Date Issued : 11/10/2000

ORIGINAL

Report for client information only

Joann M. Slavin

Laboratory Director



575 Broad Hollow Road, Melville, NY 11747-5076
(631)694-3040 . FAX:(631)420-8436 NYSDOH ID# 10478

BROOKHAVEN NATIONAL LAB.-BNLM
70 BELL AVE.
UPTON, NY 11973

Lab No. : 20001012-234

Sample Information...
Type : Potable Water
ROUTINE
Origin: RAW WELL

Attn To : S. SCARPITTA/T. ROSS
Federal ID : 5111891
Collected : 12-OCT-2000 09:30
Received : 12-OCT-2000 15:05
Collected By : JK99

Location: WELL #10

Copies To : SCHD

VOLATILE ORGANICS (METHOD 502.2) - ug/L

Run Number : 246
Date Analyzed : 19-OCT-2000

Parameter(s)	Results	Limit	Parameter(s)	Results	Limit
DICHLORODIFLUOROMETHANE	<0.5	5.0	1,2,3-TRICHLOROPROPANE	<0.5	5.0
CHLOROMETHANE	<0.5	5.0	2-CHLOROTOLUENE	<0.5	5.0
VINYL CHLORIDE	<0.5	2.0	4-CHLOROTOLUENE	<0.5	5.0
BROMOMETHANE	<0.5	5.0	M-DICHLOROBENZENE	<0.5	5.0
CHLOROETHANE	<0.5	5.0	P-DICHLOROBENZENE	<0.5	5.0
FLUOROTRICHLOROMETHANE	<0.5	5.0	O-DICHLOROBENZENE	<0.5	5.0
1,1-DICHLOROETHENE	<0.5	5.0	1,2,4-TRICHLOROBENZENE	<0.5	5.0
METHYLENE CHLORIDE	<0.5	5.0	HEXACHLOROBUTADIENE	<0.5	5.0
TRANS-1,2-DICHLOROETHENE	<0.5	5.0	1,2,3-TRICHLOROBENZENE	<0.5	5.0
1,1-DICHLOROETHANE	<0.5	5.0	BENZENE	<0.5	5.0
CIS-1,2-DICHLOROETHENE	<0.5	5.0	TOLUENE	<0.5	5.0
2,2-DICHLOROPROPANE	<0.5	5.0	ETHYLBENZENE	<0.5	5.0
BROMOCHLOROMETHANE	<0.5	5.0	1,3-XYLENE	<0.5	5.0
CHLOROFORM	0.7	50	1,4-XYLENE	<0.5	5.0
1,1,1-TRICHLOROETHANE	<0.5	5.0	1,2-XYLENE	<0.5	5.0
CARBON TETRACHLORIDE	<0.5	5.0	STYRENE	<0.5	5.0
1,1-DICHLOROPROPENE	<0.5	5.0	ISOPROPYLBENZENE(CUMENE)	<0.5	5.0
1,2-DICHLOROETHANE	<0.5	5.0	N-PROPYLBENZENE	<0.5	5.0
TRICHLOROETHENE	<0.5	5.0	1,3,5-TRIMETHYLBENZENE	<0.5	5.0
1,2-DICHLOROPROPANE	<0.5	5.0	TERT-BUTYLBENZENE	<0.5	5.0
DIBROMOMETHANE	<0.5	5.0	1,2,4-TRIMETHYLBENZENE	<0.5	5.0
BROMODICHLOROMETHANE	<0.5	50	SEC-BUTYLBENZENE	<0.5	5.0
TRANS-1,3-DICHLOROPROPENE	<0.5	5.0	P-ISOPROPYLTOLUENE	<0.5	5.0
CIS-1,3-DICHLOROPROPENE	<0.5	5.0	N-BUTYLBENZENE	<0.5	5.0
1,1,2-TRICHLOROETHANE	<0.5	5.0	METHYL TERT. BUTYL ETHER	<0.5	5.0
TETRACHLOROETHENE	<0.5	5.0			
1,3-DICHLOROPROPANE	<0.5	5.0			
CHLORODIBROMOMETHANE	<0.5	50			
CHLOROBENZENE	<0.5	5.0			
1,1,1,2-TETRACHLOROETHANE	<0.5	5.0			
BROMOFORM	<0.5	50			
BROMOBENZENE	<0.5	5.0			
1,1,2,2-TETRACHLOROETHANE	<0.5	5.0			

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

S 0025

Date Issued : 11/10/2000

ORIGINAL

Report for client information only

Joann M. Slavin

Laboratory Director

575 Broad Hollow Road, Melville, NY 11747-5076
(631)694-3040 . FAX:(631)420-8436 NYSDOH ID# 10478**BROOKHAVEN NATIONAL LAB.-BNLM**
70 BELL AVE.
UPTON, NY 11973

Lab No. : 20001012-235

Sample Information...

Type : Potable Water
ROUTINE
Origin: RAW WELL

Attn To : S. SCARPITTA/T. ROSS

Federal ID : 5111891

Collected : 12-OCT-2000 08:30

Received : 12-OCT-2000 15:05

Collected By : JK99

Location: WELL #11

Copies To : SCHD

VOLATILE ORGANICS (METHOD 502.2) - ug/L

Run Number : 247

Date Analyzed : 20-OCT-2000

Parameter(s)	Results	Limit	Parameter(s)	Results	Limit
DICHLORODIFLUOROMETHANE	<0.5	5.0	1,2,3-TRICHLOROPROPANE	<0.5	5.0
CHLOROMETHANE	<0.5	5.0	2-CHLOROTOLUENE	<0.5	5.0
VINYL CHLORIDE	<0.5	2.0	4-CHLOROTOLUENE	<0.5	5.0
BROMOMETHANE	<0.5	5.0	M-DICHLOROBENZENE	<0.5	5.0
CHLOROETHANE	<0.5	5.0	P-DICHLOROBENZENE	<0.5	5.0
FLUOROTRICHLOROMETHANE	<0.5	5.0	O-DICHLOROBENZENE	<0.5	5.0
1,1-DICHLOROETHENE	<0.5	5.0	1,2,4-TRICHLOROBENZENE	<0.5	5.0
METHYLENE CHLORIDE	<0.5	5.0	HEXACHLOROBUTADIENE	<0.5	5.0
TRANS-1,2-DICHLOROETHENE	<0.5	5.0	1,2,3-TRICHLOROBENZENE	<0.5	5.0
1,1-DICHLOROETHANE	<0.5	5.0	BENZENE	<0.5	5.0
CIS-1,2-DICHLOROETHENE	<0.5	5.0	TOLUENE	<0.5	5.0
2,2-DICHLOROPROPANE	<0.5	5.0	ETHYLBENZENE	<0.5	5.0
BROMOCHLOROMETHANE	<0.5	5.0	1,3-XYLENE	<0.5	5.0
CHLOROFORM	<0.5	50	1,4-XYLENE	<0.5	5.0
1,1,1-TRICHLOROETHANE	<0.5	5.0	1,2-XYLENE	<0.5	5.0
CARBON TETRACHLORIDE	<0.5	5.0	STYRENE	<0.5	5.0
1,1-DICHLOROPROPENE	<0.5	5.0	ISOPROPYLBENZENE(CUMENE)	<0.5	5.0
1,2-DICHLOROETHANE	<0.5	5.0	N-PROPYLBENZENE	<0.5	5.0
TRICHLOROETHENE	<0.5	5.0	1,3,5-TRIMETHYLBENZENE	<0.5	5.0
1,2-DICHLOROPROPANE	<0.5	5.0	TERT-BUTYLBENZENE	<0.5	5.0
DIBROMOMETHANE	<0.5	5.0	1,2,4-TRIMETHYLBENZENE	<0.5	5.0
BROMODICHLOROMETHANE	<0.5	50	SEC-BUTYLBENZENE	<0.5	5.0
TRANS-1,3-DICHLOROPROPENE	<0.5	5.0	P-ISOPROPYLTOLUENE	<0.5	5.0
CIS-1,3-DICHLOROPROPENE	<0.5	5.0	N-BUTYLBENZENE	<0.5	5.0
1,1,2-TRICHLOROETHANE	<0.5	5.0	METHYL TERT. BUTYL ETHER	<0.5	50
TETRACHLOROETHENE	<0.5	5.0			
1,3-DICHLOROPROPANE	<0.5	5.0			
CHLORODIBROMOMETHANE	<0.5	50			
CHLOROBENZENE	<0.5	5.0			
1,1,1,2-TETRACHLOROETHANE	<0.5	5.0			
BROMOFORM	<0.5	50			
BROMOBENZENE	<0.5	5.0			
1,1,2,2-TETRACHLOROETHANE	<0.5	5.0			

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

S 0026

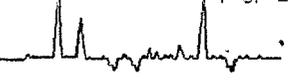
Date Issued : 11/10/2000

ORIGINAL

Report for client information only

Joann M. Slavin

Laboratory Director



575 Broad Hollow Road, Melville, NY 11747-5076
(631)694-3040 . FAX:(631)420-8436 NYSDOH ID# 10478

BROOKHAVEN NATIONAL LAB.-BNLM
70 BELL AVE.
UPTON, NY 11973

Lab No. : 20001012-236

Sample Information...

Type : Potable Water
ROUTINE
Origin: RAW WELL

Attn To : S. SCARPITTA/T. ROSS
Federal ID : 5111891
Collected : 12-OCT-2000 07:30
Received : 12-OCT-2000 15:05
Collected By : JK99

Location: WELL #12

Copies To : SCHD

VOLATILE ORGANICS (METHOD 502.2) - ug/L

Run Number : 248
Date Analyzed : 20-OCT-2000

Parameter(s)	Results	Limit	Parameter(s)	Results	Limit
DICHLORODIFLUOROMETHANE	<0.5	5.0	1,2,3-TRICHLOROPROPANE	<0.5	5.0
CHLOROMETHANE	<0.5	5.0	2-CHLOROTOLUENE	<0.5	5.0
VINYL CHLORIDE	<0.5	2.0	4-CHLOROTOLUENE	<0.5	5.0
BROMOMETHANE	<0.5	5.0	M-DICHLOROBENZENE	<0.5	5.0
CHLOROETHANE	<0.5	5.0	P-DICHLOROBENZENE	<0.5	5.0
FLUOROTRICHLOROMETHANE	<0.5	5.0	O-DICHLOROBENZENE	<0.5	5.0
1,1-DICHLOROETHENE	<0.5	5.0	1,2,4-TRICHLOROBENZENE	<0.5	5.0
METHYLENE CHLORIDE	<0.5	5.0	HEXACHLOROBUTADIENE	<0.5	5.0
TRANS-1,2-DICHLOROETHENE	<0.5	5.0	1,2,3-TRICHLOROBENZENE	<0.5	5.0
1,1-DICHLOROETHANE	<0.5	5.0	BENZENE	<0.5	5.0
CIS-1,2-DICHLOROETHENE	<0.5	5.0	TOLUENE	<0.5	5.0
2,2-DICHLOROPROPANE	<0.5	5.0	ETHYLBENZENE	<0.5	5.0
BROMOCHLOROMETHANE	<0.5	5.0	1,3-XYLENE	<0.5	5.0
CHLOROFORM	<0.5	50	1,4-XYLENE	<0.5	5.0
1,1,1-TRICHLOROETHANE	<0.5	5.0	1,2-XYLENE	<0.5	5.0
CARBON TETRACHLORIDE	<0.5	5.0	STYRENE	<0.5	5.0
1,1-DICHLOROPROPENE	<0.5	5.0	ISOPROPYLBENZENE(CUMENE)	<0.5	5.0
1,2-DICHLOROETHANE	<0.5	5.0	N-PROPYLBENZENE	<0.5	5.0
TRICHLOROETHENE	<0.5	5.0	1,3,5-TRIMETHYLBENZENE	<0.5	5.0
1,2-DICHLOROPROPANE	<0.5	5.0	TERT-BUTYLBENZENE	<0.5	5.0
DIBROMOMETHANE	<0.5	5.0	1,2,4-TRIMETHYLBENZENE	<0.5	5.0
BROMODICHLOROMETHANE	<0.5	50	SEC-BUTYLBENZENE	<0.5	5.0
TRANS-1,3-DICHLOROPROPENE	<0.5	5.0	P-ISOPROPYLTOLUENE	<0.5	5.0
CIS-1,3-DICHLOROPROPENE	<0.5	5.0	N-BUTYLBENZENE	<0.5	5.0
1,1,2-TRICHLOROETHANE	<0.5	5.0	METHYL TERT. BUTYL ETHER	<0.5	50
TETRACHLOROETHENE	<0.5	5.0			
1,3-DICHLOROPROPANE	<0.5	5.0			
CHLORODIBROMOMETHANE	<0.5	50			
CHLOROBENZENE	<0.5	5.0			
1,1,1,2-TETRACHLOROETHANE	<0.5	5.0			
BROMOFORM	<0.5	50			
BROMOBENZENE	<0.5	5.0			
1,1,2,2-TETRACHLOROETHANE	<0.5	5.0			

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

Date Issued : 11/10/2000

ORIGINAL

Report for client information only

S 0027
Joann M. Slavin
Laboratory Director



575 Broad Hollow Road, Melville, NY 11747-5076
 (631)694-3040 . FAX:(631)420-8436 NYSDOH ID# 10478

BROOKHAVEN NATIONAL LAB.-BNLM
70 BELL AVE.
UPTON, NY 11973

Lab No. : 20001012-241

Sample Information...

Type : Potable Water
 ROUTINE
 Origin: TREATED WELL

Attn To : S. SCARPITTA/T. ROSS
 Federal ID : 5111891
 Collected : 12-OCT-2000 11:30
 Received : 12-OCT-2000 15:05
 Collected By : JK99

Location: BLDG. 624 WTP

Copies To : SCHD

VOLATILE ORGANICS (METHOD 502.2) - ug/L

Run Number : 249
 Date Analyzed : 20-OCT-2000

Parameter(s)	Results	Limit	Parameter(s)	Results	Limit
DICHLORODIFLUOROMETHANE	<0.5	5.0	1,2,3-TRICHLOROPROPANE	<0.5	5.0
CHLOROMETHANE	<0.5	5.0	2-CHLOROTOLUENE	<0.5	5.0
VINYL CHLORIDE	<0.5	2.0	4-CHLOROTOLUENE	<0.5	5.0
BROMOMETHANE	<0.5	5.0	M-DICHLOROBENZENE	<0.5	5.0
CHLOROETHANE	<0.5	5.0	P-DICHLOROBENZENE	<0.5	5.0
FLUOROTRICHLOROMETHANE	<0.5	5.0	O-DICHLOROBENZENE	<0.5	5.0
1,1-DICHLOROETHENE	<0.5	5.0	1,2,4-TRICHLOROBENZENE	<0.5	5.0
METHYLENE CHLORIDE	<0.5	5.0	HEXACHLOROBUTADIENE	<0.5	5.0
TRANS-1,2-DICHLOROETHENE	<0.5	5.0	1,2,3-TRICHLOROBENZENE	<0.5	5.0
1,1-DICHLOROETHANE	<0.5	5.0	BENZENE	<0.5	5.0
CIS-1,2-DICHLOROETHENE	<0.5	5.0	TOLUENE	<0.5	5.0
2,2-DICHLOROPROPANE	<0.5	5.0	ETHYLBENZENE	<0.5	5.0
BROMOCHLOROMETHANE	<0.5	5.0	1,3-XYLENE	<0.5	5.0
CHLOROFORM	0.6	50	1,4-XYLENE	<0.5	5.0
1,1,1-TRICHLOROETHANE	<0.5	5.0	1,2-XYLENE	<0.5	5.0
CARBON TETRACHLORIDE	<0.5	5.0	STYRENE	<0.5	5.0
1,1-DICHLOROPROPENE	<0.5	5.0	ISOPROPYLBENZENE(CUMENE)	<0.5	5.0
1,2-DICHLOROETHANE	<0.5	5.0	N-PROPYLBENZENE	<0.5	5.0
TRICHLOROETHENE	<0.5	5.0	1,3,5-TRIMETHYLBENZENE	<0.5	5.0
1,2-DICHLOROPROPANE	<0.5	5.0	TERT-BUTYLBENZENE	<0.5	5.0
DIBROMOMETHANE	<0.5	5.0	1,2,4-TRIMETHYLBENZENE	<0.5	5.0
BROMODICHLOROMETHANE	<0.5	50	SEC-BUTYLBENZENE	<0.5	5.0
TRANS-1,3-DICHLOROPROPENE	<0.5	5.0	P-ISOPROPYLTOLUENE	<0.5	5.0
CIS-1,3-DICHLOROPROPENE	<0.5	5.0	N-BUTYLBENZENE	<0.5	5.0
1,1,2-TRICHLOROETHANE	<0.5	5.0	METHYL TERT. BUTYL ETHER	<0.5	50
TETRACHLOROETHENE	<0.5	5.0			
1,3-DICHLOROPROPANE	<0.5	5.0			
CHLORODIBROMOMETHANE	<0.5	50			
CHLOROBENZENE	<0.5	5.0			
1,1,1,2-TETRACHLOROETHANE	<0.5	5.0			
BROMOFORM	<0.5	50			
BROMOBENZENE	<0.5	5.0			
1,1,2,2-TETRACHLOROETHANE	<0.5	5.0			

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

S 0028

Date Issued : 11/10/2000

ORIGINAL

Report for client information only

Joann M. Slavin

Laboratory Director

575 Broad Hollow Road, Melville, NY 11747-5076
(631)694-3040 . FAX:(631)420-8436 NYSDOH ID# 10478



BROOKHAVEN NATIONAL LAB.-BNLM
70 BELL AVE.
UPTON, NY 11973

Lab No. : 20001012-242

Sample Information...

Type : Potable Water
ROUTINE
Origin: TREATED WELL

Attn To : S. SCARPITTA/T. ROSS

Federal ID : 5111891

Collected : 12-OCT-2000 10:15

Received : 12-OCT-2000 15:05

Collected By : JK99

Location: WELL #11

Copies To : SCHD

VOLATILE ORGANICS (METHOD 502.2) - ug/L

Run Number : 250
Date Analyzed : 20-OCT-2000

Parameter(s)	Results	Limit	Parameter(s)	Results	Limit
DICHLORODIFLUOROMETHANE	<0.5	5.0	1,2,3-TRICHLOROPROPANE	<0.5	5.0
CHLOROMETHANE	<0.5	5.0	2-CHLOROTOLUENE	<0.5	5.0
VINYL CHLORIDE	<0.5	2.0	4-CHLOROTOLUENE	<0.5	5.0
BROMOMETHANE	<0.5	5.0	M-DICHLOROBENZENE	<0.5	5.0
CHLOROETHANE	<0.5	5.0	P-DICHLOROBENZENE	<0.5	5.0
FLUOROTRICHLOROMETHANE	<0.5	5.0	O-DICHLOROBENZENE	<0.5	5.0
1,1-DICHLOROETHENE	<0.5	5.0	1,2,4-TRICHLOROBENZENE	<0.5	5.0
METHYLENE CHLORIDE	<0.5	5.0	HEXACHLOROBUTADIENE	<0.5	5.0
TRANS-1,2-DICHLOROETHENE	<0.5	5.0	1,2,3-TRICHLOROBENZENE	<0.5	5.0
1,1-DICHLOROETHANE	<0.5	5.0	BENZENE	<0.5	5.0
CIS-1,2-DICHLOROETHENE	<0.5	5.0	TOLUENE	<0.5	5.0
2,2-DICHLOROPROPANE	<0.5	5.0	ETHYLBENZENE	<0.5	5.0
BROMOCHLOROMETHANE	<0.5	5.0	1,3-XYLENE	<0.5	5.0
CHLOROFORM	<0.5	50	1,4-XYLENE	<0.5	5.0
1,1,1-TRICHLOROETHANE	<0.5	5.0	1,2-XYLENE	<0.5	5.0
CARBON TETRACHLORIDE	<0.5	5.0	STYRENE	<0.5	5.0
1,1-DICHLOROPROPENE	<0.5	5.0	ISOPROPYLBENZENE(CUMENE)	<0.5	5.0
1,2-DICHLOROETHANE	<0.5	5.0	N-PROPYLBENZENE	<0.5	5.0
TRICHLOROETHENE	<0.5	5.0	1,3,5-TRIMETHYLBENZENE	<0.5	5.0
1,2-DICHLOROPROPANE	<0.5	5.0	TERT-BUTYLBENZENE	<0.5	5.0
DIBROMOMETHANE	<0.5	5.0	1,2,4-TRIMETHYLBENZENE	<0.5	5.0
BROMODICHLOROMETHANE	<0.5	50	SEC-BUTYLBENZENE	<0.5	5.0
TRANS-1,3-DICHLOROPROPENE	<0.5	5.0	P-ISOPROPYLTOLUENE	<0.5	5.0
CIS-1,3-DICHLOROPROPENE	<0.5	5.0	N-BUTYLBENZENE	<0.5	5.0
1,1,2-TRICHLOROETHANE	<0.5	5.0	METHYL TERT. BUTYL ETHER	<0.5	50
TETRACHLOROETHENE	<0.5	5.0			
1,3-DICHLOROPROPANE	<0.5	5.0			
CHLORODIBROMOMETHANE	<0.5	50			
CHLOROBENZENE	<0.5	5.0			
1,1,1,2-TETRACHLOROETHANE	<0.5	5.0			
BROMOFORM	<0.5	50			
BROMOBENZENE	<0.5	5.0			
1,1,2,2-TETRACHLOROETHANE	<0.5	5.0			

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

S 0029

Date Issued : 11/10/2000

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Report for client information only

Joann M. Slavin

Laboratory Director



575 Broad Hollow Road, Melville, NY 11747-5076
 (631)694-3040 . FAX:(631)420-8436 NYSDOH ID# 10478

BROOKHAVEN NATIONAL LAB.-BNLM
70 BELL AVE.
UPTON, NY 11973

Lab No. : 20001012-243

Sample Information...

Type : Potable Water
 ROUTINE
 Origin: TREATED WELL

Attn To : S. SCARPITTA/T. ROSS

Federal ID : 5111891

Collected : 12-OCT-2000 10:00

Received : 12-OCT-2000 15:05

Collected By : JK99

Location: WELL #12

Copies To : SCHD

VOLATILE ORGANICS (METHOD 502.2) - ug/L

Run Number : 251

Date Analyzed : 20-OCT-2000

Parameter(s)	Results	Limit	Parameter(s)	Results	Limit
DICHLORODIFLUOROMETHANE	<0.5	5.0	1,2,3-TRICHLOROPROPANE	<0.5	5.0
CHLOROMETHANE	<0.5	5.0	2-CHLOROTOLUENE	<0.5	5.0
VINYL CHLORIDE	<0.5	2.0	4-CHLOROTOLUENE	<0.5	5.0
BROMOMETHANE	<0.5	5.0	M-DICHLOROBENZENE	<0.5	5.0
CHLOROETHANE	<0.5	5.0	P-DICHLOROBENZENE	<0.5	5.0
FLUOROTRICHLOROMETHANE	<0.5	5.0	O-DICHLOROBENZENE	<0.5	5.0
1,1-DICHLOROETHENE	<0.5	5.0	1,2,4-TRICHLOROBENZENE	<0.5	5.0
METHYLENE CHLORIDE	<0.5	5.0	HEXACHLOROBUTADIENE	<0.5	5.0
TRANS-1,2-DICHLOROETHENE	<0.5	5.0	1,2,3-TRICHLOROBENZENE	<0.5	5.0
1,1-DICHLOROETHANE	<0.5	5.0	BENZENE	<0.5	5.0
CIS-1,2-DICHLOROETHENE	<0.5	5.0	TOLUENE	<0.5	5.0
2,2-DICHLOROPROPANE	<0.5	5.0	ETHYLBENZENE	<0.5	5.0
BROMOCHLOROMETHANE	<0.5	5.0	1,3-XYLENE	<0.5	5.0
CHLOROFORM	0.5	50	1,4-XYLENE	<0.5	5.0
1,1,1-TRICHLOROETHANE	<0.5	5.0	1,2-XYLENE	<0.5	5.0
CARBON TETRACHLORIDE	<0.5	5.0	STYRENE	<0.5	5.0
1,1-DICHLOROPROPENE	<0.5	5.0	ISOPROPYLBENZENE(CUMENE)	<0.5	5.0
1,2-DICHLOROETHANE	<0.5	5.0	N-PROPYLBENZENE	<0.5	5.0
TRICHLOROETHENE	<0.5	5.0	1,3,5-TRIMETHYLBENZENE	<0.5	5.0
1,2-DICHLOROPROPANE	<0.5	5.0	TERT-BUTYLBENZENE	<0.5	5.0
DIBROMOMETHANE	<0.5	5.0	1,2,4-TRIMETHYLBENZENE	<0.5	5.0
BROMODICHLOROMETHANE	<0.5	50	SEC-BUTYLBENZENE	<0.5	5.0
TRANS-1,3-DICHLOROPROPENE	<0.5	5.0	P-ISOPROPYLTOLUENE	<0.5	5.0
CIS-1,3-DICHLOROPROPENE	<0.5	5.0	N-BUTYLBENZENE	<0.5	5.0
1,1,2-TRICHLOROETHANE	<0.5	5.0	METHYL TERT. BUTYL ETHER	<0.5	50
TETRACHLOROETHENE	<0.5	5.0			
1,3-DICHLOROPROPANE	<0.5	5.0			
CHLORODIBROMOMETHANE	<0.5	50			
CHLOROBENZENE	<0.5	5.0			
1,1,1,2-TETRACHLOROETHANE	<0.5	5.0			
BROMOFORM	<0.5	50			
BROMOBENZENE	<0.5	5.0			
1,1,2,2-TETRACHLOROETHANE	<0.5	5.0			

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

S 0030

Date Issued : 11/10/2000

ORIGINAL

Report for client information only

Joann M. Slavin

Laboratory Director

ATTACHMENT IV

**Brookhaven National Laboratory
Potable Water Supply**

**2000 Fourth Quarter Bacteriological Reports for
the BNL Potable Water Distribution System and Potable Water Wells**

575 Broad Hollow Road, Melville, NY 11747-5076
(631)694-3040 . FAX:(631)420-8436 NYSDOH ID# 10478



BROOKHAVEN NATIONAL LAB.-BNLM
70 BELL AVE.
UPTON, NY 11973

Lab No. : 20001012-231

Sample Information...

Type : Potable Water
ROUTINE
Origin: RAW WELL

Attn To : S. SCARPITTA/T. ROSS
Federal ID : 5111891
Collected : 12-OCT-2000 11:00
Received : 12-OCT-2000 15:05
Collected By : JK99

Location: WELL #4

Copies To : SCHD

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
TOTAL COLIFORM BACTERIA	NEGATIVE	NONE	NEGATIVE	SM#9223	12-OCT-2000 19:45
E.COLI BACTERIA	ABSENT	NONE	ABSENT	SM#9223	12-OCT-2000 19:45

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



575 Broad Hollow Road, Melville, NY 11747-5076
(631)694-3040 . FAX:(631)420-8436 NYSDOH ID# 10476

BROOKHAVEN NATIONAL LAB.-BNLM
70 BELL AVE.
UPTON, NY 11973

Lab No. : 20001012-232

Sample Information...

Type : Potable Water
ROUTINE
Origin: RAW WELL

Attn To : S. SCARPITTA/T. ROSS
Federal ID : 5111891
Collected : 12-OCT-2000 11:15
Received : 12-OCT-2000 15:05
Collected By : JK99

Location: WELL #6

Copies To : SCHD

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
TOTAL COLIFORM BACTERIA	NEGATIVE	NONE	NEGATIVE	SM#9223	12-OCT-2000 19:45
E.COLI BACTERIA	ABSENT	NONE	ABSENT	SM#9223	12-OCT-2000 19:45

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

Date Issued : 11/10/2000

ORIGINAL

Report for client information only

Joann M. Slavin

Laboratory Director



575 Broad Hollow Road, Melville, NY 11747-5076
(631)694-3040 . FAX:(631)420-8436 NYSDOH ID# 10478

BROOKHAVEN NATIONAL LAB.-BNLM
70 BELL AVE.
UPTON, NY 11973

Lab No. : 20001012-233

Sample Information...

Type : Potable Water
ROUTINE
Origin: RAW WELL

Attn To : S. SCARPITTA/T. ROSS
Federal ID : 5111891
Collected : 12-OCT-2000 11:30
Received : 12-OCT-2000 15:05
Collected By : JK99

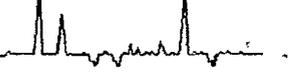
Location: **WELL #7**

Copies To : SCHD

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
TOTAL COLIFORM BACTERIA	NEGATIVE	NONE	NEGATIVE	SM#9223	12-OCT-2000 19:45
E.COLI BACTERIA	ABSENT	NONE	ABSENT	SM#9223	12-OCT-2000 19:45

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

575 Broad Hollow Road, Melville, NY 11747-5076
(631)694-3040 . FAX:(631)420-8436 NYSDOH ID# 10478



BROOKHAVEN NATIONAL LAB.-BNLM
70 BELL AVE.
UPTON, NY 11973

Lab No. : 20001012-234

Sample Information...

Type : Potable Water
ROUTINE
Origin: RAW WELL

Attn To : S. SCARPITTA/T. ROSS
Federal ID : 5111891
Collected : 12-OCT-2000 09:30
Received : 12-OCT-2000 15:05
Collected By : JK99

Location: WELL #10

Copies To : SCHD

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
TOTAL COLIFORM BACTERIA	NEGATIVE	NONE	NEGATIVE	SM#9223	12-OCT-2000 19:45
E.COLI BACTERIA	ABSENT	NONE	ABSENT	SM#9223	12-OCT-2000 19:45

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

Date Issued : 11/10/2000

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Laboratory Director



575 Broad Hollow Road, Melville, NY 11747-5076
(631)694-3040 . FAX:(631)420-8436 NYSDOH ID# 10478

BROOKHAVEN NATIONAL LAB.-BNLM
70 BELL AVE.
UPTON, NY 11973

Lab No. : 20001012-235

Sample Information...

Type : Potable Water

ROUTINE

Origin: RAWWELL

Attn To : S. SCARPITTA/T. ROSS

Federal ID : 5111891

Collected : 12-OCT-2000 08:30

Received : 12-OCT-2000 15:05

Collected By : JK99

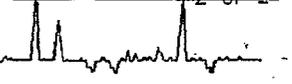
Location: WELL #11

Copies To : SCHD

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
TOTAL COLIFORM BACTERIA	NEGATIVE	NONE	NEGATIVE	SM#9223	12-OCT-2000 19:45
E.COLI BACTERIA	ABSENT	NONE	ABSENT	SM#9223	12-OCT-2000 19:45

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

575 Broad Hollow Road, Melville, NY 11747-5076
(631)694-3040 . FAX:(631)420-8436 NYSDOH ID# 10473



BROOKHAVEN NATIONAL LAB.-BNLM
70 BELL AVE.
UPTON, NY 11973

Lab No. : 20001012-236

Sample Information...

Type : Potable Water
ROUTINE
Origin: RAW WELL

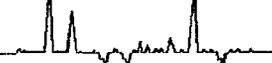
Attn To : S. SCARPITTA/T. ROSS
Federal ID : 5111891
Collected : 12-OCT-2000 07:30
Received : 12-OCT-2000 15:05
Collected By : JK99

Location: WELL #12

Copies To : SCD

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
TOTAL COLIFORM BACTERIA	NEGATIVE	NONE	NEGATIVE	SM#9223	12-OCT-2000 19:45
E.COLI BACTERIA	ABSENT	NONE	ABSENT	SM#9223	12-OCT-2000 19:45

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



575 Broad Hollow Road, Melville, NY 11747-5076
(631)694-3040 . FAX:(631)420-8436 NYSDOH ID# 10478

BROOKHAVEN NATIONAL LAB.-BNLM
70 BELL AVE.
UPTON, NY 11973

Lab No. : 20001012-237

Sample Information...

Type : Potable Water
ROUTINE
Origin: RAW WELL

Attn To : S. SCARPITTA/T. ROSS

Federal ID : 5111891

Collected : 12-OCT-2000 11:00

Received : 12-OCT-2000 15:05

Collected By : JK99

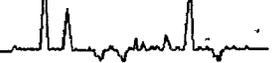
Location: WELL #10 GAC FILTER 654

Copies To : SCHD

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
TOTAL COLIFORM BACTERIA	NEGATIVE	NONE	NEGATIVE	SM#9223	12-OCT-2000 19:45
E.COLI BACTERIA	ABSENT	NONE	ABSENT	SM#9223	12-OCT-2000 19:45

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

575 Broad Hollow Road, Melville, NY 11747-5076
(631)694-3040 . FAX:(631)420-8436 NYSDOH ID# 10478



BROOKHAVEN NATIONAL LAB.-BNLM
70 BELL AVE.
UPTON, NY 11973

Lab No. : 20001012-238

Sample Information...

Type : Potable Water
ROUTINE
Origin: RAW WELL

Attn To : S. SCARPITTA/T. ROSS
Federal ID : 5111891
Collected : 12-OCT-2000 10:15
Received : 12-OCT-2000 15:05
Collected By : JK99

Location: WELL #11 GAC FILTER 655

Copies To : SCHD

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
TOTAL COLIFORM BACTERIA	NEGATIVE	NONE	NEGATIVE	SM#9223	12-OCT-2000 19:45
E.COLI BACTERIA	ABSENT	NONE	ABSENT	SM#9223	12-OCT-2000 19:45

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



575 Broad Hollow Road, Melville, NY 11747-5076

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

BROOKHAVEN NATIONAL LAB.-BNLM
70 BELL AVE.
UPTON, NY 11973

Attn To : S. SCARPITTA/T. ROSS

Federal ID : 5111891

Collected : 12-OCT-2000 10:00

Received : 12-OCT-2000 15:05

Collected By : JK99

Lab No. : 20001012-239

Sample Information...

Type : Potable Water

ROUTINE

Origin: RAW WELL

Location: WELL #12 GAC FILTER 657

Copies To : SCHD

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
TOTAL COLIFORM BACTERIA	NEGATIVE	NONE	NEGATIVE	SM#9223	12-OCT-2000 19:45
E.COLI BACTERIA	ABSENT	NONE	ABSENT	SM#9223	12-OCT-2000 19:45

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

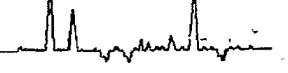
Date Issued : 11/10/2000

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Laboratory Director

575 Broad Hollow Road, Melville, NY 11747-5076
(631)694-3040 . FAX:(631)420-8436 NYSDOH ID# 10478



BROOKHAVEN NATIONAL LAB.-BNLM
70 BELL AVE.
UPTON, NY 11973

Lab No. : 20001012-240

Sample Information...

Type : Potable Water
ROUTINE
Origin: RAW WELL

Attn To : S. SCARPITTA/T. ROSS
Federal ID : 5111891
Collected : 12-OCT-2000 10:15
Received : 12-OCT-2000 15:05
Collected By : JK99

Location: **WELL #11 DUPLICATE**

Copies To : SCHD

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
TOTAL COLIFORM BACTERIA	NEGATIVE	NONE	NEGATIVE	SM#9223	12-OCT-2000 19:45
E.COLI BACTERIA	ABSENT	NONE	ABSENT	SM#9223	12-OCT-2000 19:45

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