Environmental Services Division

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

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December 9, 2002

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

Dear Ms. Newcomer:

SUBJECT: Monthly Water Treatment Plant Reports
Reference: Suffolk County Minimum Monitoring Requirements for November 2002

In accordance with the requirements of the BNL Potable Water System Sampling Plan and the 2002 SCDHS Minimum Monitoring Requirements for the BNL Potable Water Supply, included please find the following attachments for your records:

Attachment I:	BNL Potable Water Monthly Operational and Bacteriological Reports for November.
Attachment II:	November 2002 Biweekly Water Quality Monitoring Data for the BNL Potable Water Wells and the BNL Distribution System.
Attachment III:	2002 Annual Synthetic Organic Chemical and Pesticides Analytical Results for the BNL Potable Water Wells and the BNL Distribution System.

All analytical results have been reviewed and have been found to be within New York State Department of Health Drinking Water Standards (NYSDOH DWS). Collection and analysis of these samples are performed in accordance with the guidelines of the BNL Quality Assurance program, the SCDHS Community Water Supply Monitoring Requirements, and the BNL Potable Water System Sampling Plan. Plant Engineering Division personnel using standard operating procedures collect routine monitoring samples; a contractor laboratory using standard methods of analysis performs the subsequent analyses. The Quality Assurance documentation is available from the Environmental Services Division and Plant

Engineering Divisions. Based on this information, we believe the values contained in these reports are representative of the BNL potable water system. Should there be any questions regarding this report or the analytical or operational data contained herein, please call either R. Lee at (631) 344-3148, M. Allocco at (631) 344-3166, or W. Chaloupka at (631) 344-7136.

Sincerely,

E. A. Zimmerman, CEP, REM, CEA, CESM
Interim Division Manager

EZ/MA:cr
Attachments: As noted

cc:	M. Allocco	w/attachments
	W. Chaloupka	w/attachments
	J. Granzen	w/attachments
	R. Lee	w/attachments
	E. Murphy	w/attachments
	P. Ponturo	SCDHS, w/o attachments
	L. Ross	w/o attachments
	T. Sheridan	w/o attachments

EC61ER.02

ATTACHMENT I

Brookhaven National Laboratory
Potable Water Supply

Monthly Operational and Bacteriological Reports for November 2002
for the BNL Potable Water System

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169	STATION 11515100	SUFFOLK COUNTY	REPORTING PERIOD: November 2002

LOCATION: **Water Treatment Facility**

Did an emergency occur in any part of the water system? YES ____ NO X

Source: Ground Water

Does the system have a chlorination waiver? YES ____ NO X

Day of month	CHLORINATION: Treated Water in Gals	Liquid Sodium Hypochlorite: Gallons 95	Cl2 use per 24hrs	Free Cl2 Residual mg/l	pH: __ Lime __ Sodium Hydroxide	Totalizer: Daily Totalizer 12704981
1	897	90	5	1.01	7	12705878
2	0					
3	0					
4	2,761	65	25	0.6	6.9	12708639
5	1,098	55+20	10	0.65	7.3	12709737
6	1,033	70	5	0.68	7.4	12710770
7	1,062	55	15	1	7.5	12711832
8	997	45+55	10	1.02	7.5	12712829
9	918	90	10	0.96	7.4	12713747
10	0					
11	0					
12	2,336	63+137	27	0.81	7.3	12716083
13	753	192	8	0.8	7.5	12716836
14	803	185	7	0.9	7.4	12717639
15	827	174	11	0.79	7.5	12718466
16	0					
17	0					
18	2,360	148	26	0.68	7.2	12720826
19	960	138	10	0.89	7.2	12721786
20	908	126	12	1.2	7.3	12722694
21	886	115	11	1.3	7.3	12723580
22	874	105	10	1.08	7.3	12724454
23	0					
24	0					
25	2,558	75	30	0.86	7	12727012
26	863	65+135	10	1.3	7.2	12727875
27	806	200	0	0.95	7.3	12728681
28	0					
29	0					
30	1,075	190	10	1.1	7.3	12729656
31	0					
TOT	29,675		252			
AVG	855.83		8.40	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 X

If yes, check reason's below.

____ Actual number of samples lower than required.

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

____ Failure to analyze repeat samples

Does an MCL violation exist? YES ____ NO X

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 12-5-02

Title: Water Systems Supervisor

Certification No. NY0031941

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169	STATION 11515100	SUFFOLK COUNTY	REPORTING PERIOD: November 2002

LOCATION: **WELL NO. 4**

Did an emergency occur in any part of the water system? YES ____ NO ✓

Source: Ground Water

Does the system have a chlorination waiver? YES ____ NO ✓

	CHLORINATION				pH	
	Treated	Liquid Sodium Hypochlorite		Free Cl2	_ Lime	Totalizer
Flow	Water	Gallons	Cl2 use	Residual	_ Sodium	Daily Totalizer
mgd	Gals	66	per 24hrs	mg/l	Hydroxide	1498748
1	376	60+74	6	0.04	5.6	1499124
	0					
	0					
	1,352	114	20	0.02	5.7	1500476
	421	111	3	0.14	5.7	1500947
	348	60	12	0.03	5.8	1501295
	356	93+42	6	0.03	5.9	1501651
	532	129	6	0.03	5.9	1502183
	493	121	8	0.08	5.9	1502676
	0					
	0					
	1,084	103	18	0.2	5.8	1503760
	393	66	7	0.02	5.9	1504153
	394	63	3	0.4	5.8	1504547
	433	28	5	0.07	5.8	1504980
	0					
	0					
	1,193	64	24	0.09	5.9	1506172
	316	57	7	0.1	5.8	1506494
	323	60	7	0.09	5.8	1506817
	417	45	6	0.1	5.8	1507234
	597	33	12	0.4	5.8	1507831
	0					
	0					
	1,125	18+60	15	0.03	5.7	1508956
	70	104	4	0.3	5.6	1509126
	459	120+27	3	0	5.7	1509585
	0					
	0					
	81	120	6	0.30	5.7	1510466
	0					
	21,759		176			
Avg	702.0		5.87	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 or high turbidity sample.

____ Failure to analyze repeat samples.

Does an MCL violation exist? YES ____ NO ✓

If yes, check reason(s) below

____ Two or more positive total coliform samples for systems collecting 40 or more samples a month (repeat or routine) 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.

Signature: J W Nash

Date: 12-5-02

Title: Water Systems Supervisor

Certification #: NY0031941

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169	STATION 11515100	SUFFOLK COUNTY	REPORTING PERIOD: November 2002

LOCATION: **WELL NO. 6**

Did an emergency occur in any part of the water system? YES ____ NO ✓

Source: Ground Water

Does the system have a chlorination waiver? YES ____ NO ✓

	CHLORINATION				pH	
	Treated	Liquid Sodium Hypochlorite		Free Cl2	__ Lime	Totalizer
Day of	Water	Gallons	Cl2 use	Residual	__ Sodium	Daily Totalizer
month	K Gals	200	per 24hrs	mg/l	Hydroxide	356995
1	0	200	0	0.04	5.6	356995
2	0					
3	0					
4	425	200	0	0.02	5.7	357420
5	174	200	0	0.14	5.7	357594
6	93	200	0	0.03	5.8	357687
7	41	200	0	0.03	5.9	357728
8	127	200	0	0.03	5.9	357855
9	67	200	0	0.03	5.9	357922
10	0					
11	0					
12	316	200	0	0.2	5.8	358238
13	115	200	0	0.02	5.9	358353
14	86	200	0	0.4	5.6	358439
15	247	200	0	0.07	5.8	358686
16	0					
17	0					
18	319	200	0	0.08	5.9	359005
19	105	198	2	0.1	5.8	359110
20	76	198	0	0.09	5.8	359186
21	96	195	3	0.1	5.8	359282
22	243	195	0	0.4	5.8	359525
23	0					
24	0					
25	410	195	0	0.03	5.7	359935
26	0	195	5	0.03	5.6	359935
27	136	195	0	0	5.7	360071
28	0					
29	0					
30	217	195	0	0.36	5.7	360288
31	0					
TOT	3,293		10			
AVG	109.77		0.33	No. Days:	30	

Population Served 3,500

Number of routine samples 4

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

Number of actual routine samples 7

Does a M&AR violation exist? YES ____ NO ✓

If yes, check reason's below.

____ Actual number of samples fewer than required.

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

____ Failure to analyze repeat samples.

Does an MCL violation exist? YES ____ NO ✓

If yes, check reason(s) below.

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

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

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

Reported by: [signature]

Date: 12-5-02

Title: Water Systems Supervisor

Certification No. NY0031941

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169	STATION 11515100	SUFFOLK COUNTY	REPORTING PERIOD: November 2002

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 ✓

	CHLORINATION				pH	
	Treated	Liquid Sodium Hypochlorite		Free Cl2	__ Lime	Totalizer
Day of	Water	Gallons	Cl2 use	Residual	__ Sodium	Daily Totalizer
month	K Gals	75	per 24hrs	mg/l	Hydroxide	917997
1	1,197	55+145	20	0.04	5.6	919194
2	0					
3	0					
4	3,095	150	50	0.02	5.7	922289
5	1,213	145	5	0.14	5.7	923502
6	1,229	143	2	0.03	5.8	924731
7	1,136	130+70	13	0.03	5.9	925867
8	1,116	182	18	0.03	5.9	926983
9	1,024	165	17	0.08	5.9	928007
10	0					
11	0					
12	2,715	121	44	0.2	5.8	930722
13	822	110	11	0.02	5.9	931544
14	893	98	12	0.4	5.6	932437
15	968	80	18	0.07	0.018	933405
16	0					
17	0					
18	2,663	40	40	0.05	5.9	936068
19	1,023	30+90	10	0.1	5.8	937091
20	1,047	102	18	0.09	5.8	938138
21	977	90	12	0.1	5.8	939115
22	992	70	20	0.4	5.8	940107
23	0					
24	0					
25	2,749	30+100	40	0.03	5.7	942856
26	1,117	114	16	0.03	5.6	943973
27	946	100+100	14	0	5.7	944919
28	0					
29	0					
30	2,255	170	30	0.36	5.7	947174
31	0					
TOT	29,177		410			
AVG	972.57		13.67	No. Days:	30	

Population Served 3,500

Number of routine samples 4

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

Number of actual routine samples 7

Does a M&AR violation exist? YES ____ NO ✓

If yes, check reason's below.

____ Actual number of samples fewer than required.

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

____ Failure to analyze repeat samples.

Does an MCL violation exist? YES ____ NO ✓

If yes, check reason(s) below.

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

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

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

Reported by: [signature]

Date: 12-5-02

Title: Water Systems Supervisor

Certification No. NY0031941

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169	STATION 11515100	SUFFOLK COUNTY	REPORTING PERIOD: November 2002

LOCATION: **WELL NO. 10**

Did an emergency occur in any part of the water system? YES ___ NO ✓

Source: Ground Water

Does the system have a chlorination waiver? YES ___ NO ✓

	CHLORINATION				pH	
	Treated	Liquid Sodium Hypochlorite		Free Cl2	__ Lime	Totalizer
Day of	Water	Gallons	Cl2 use	Residual	__ Sodium	Daily Totalizer
month	K. Gals	S3	per 24hrs	mg/l	Hydroxide	764719
1	0	83	0	0.04	5.6	764719
2	0					
3	0					
4	0	83	0	NR	NR	764719
5	0	83	0	NR	NR	764719
6	0	83	0	NR	NR	764719
7	0	83	0	NR	NR	764719
8	0	83	0	NR	NR	764719
9	0	83	0	NR	NR	764719
10	0					
11	0					
12	0	83	0	NR	NR	764719
13	0	83	0	NR	NR	764719
14	0	83	0	NR	NR	764719
15	0	83	0	NR	NR	764719
16	0					
17	0					
18	0	83	0	NR	NR	764719
19	0	83	0	NR	NR	764719
20	0	83	0	NR	NR	764719
21	0	83	0	NR	NR	764719
22	0	83	0	NR	NR	764719
23	0					
24	0					
25	0	83	0	NR	NR	764719
26	0	83	0	NR	NR	764719
27	0	83	0	NR	NR	764719
28	0					
29	0					
30	0	83	0	NR	NR	764719
31	0					
TOT	0		0			
AVG	0		0.00	No Days	33	

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 lower than required

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

___ Failure to analyze repeat samples.

Does an MCL violation exist? YES ___ NO ✓

If yes, check reason(s) below.

___ Two or more positive total coliform samples for systems collecting 40 or more samples (routine, repeat or turbidity) 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: 12-5-02

Title: Water Systems Supervisor

Certification No. NY0031941

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

PROGRAM CODE 169	STATION 11515100	SUFFOLK COUNTY	REPORTING PERIOD: November 2002

LOCATION **WELL NO. 11**

Did an emergency occur in any part of the water system? YES ____ NO ✓

Source: Ground Water

Does the system have a chlorination waiver? YES ____ NO ✓

	CHLORINATION				pH	
	Treated	Liquid Sodium Hypochlorite		Free Cl2	__ Lime	Totalizer
Day of	Water	Gallons	Cl2 use	residual	__ Sodium	Daily Totalizer
month	H. Gals	190	per 24hrs	(mg/l)	Hydroxide	462912
1	0	190	0	0.48	7.2	462912
2	0					
3	0					
4	0	190	0	0.43	7.4	462912
5	0	190	0	0.42	7.4	462912
6	0	190	0	0.45	7.5	462912
7	0	190	0	0.41	7.5	462912
8	0	190	0	0.4	7.5	462912
9	0	190	0	0.03	6.8	462912
10	0					
11	0					
12	0	190	0	0.66	7.2	462912
13	0	190	0	0.68	7.2	462912
14	0	190	0	0.62	7.2	462912
15	0	190	0	0.58	7.2	462912
16	0					
17	0					
18	0	190	0	0.05	6.8	462912
19	0	190	0	0.2	6.8	462912
20	0	190	0	0.28	7.4	462912
21	0	190	0	0.7	7.4	462912
22	0	190	0	NR	NR	462912
23	0					
24	0					
25	0	190	0	0.54	7.2	462912
26	0	190	0	0.48	7.2	462912
27	0	190	0	NR	NR	462912
28	0					
29	0					
30	0	40	160	0.22	7.3	462912
31	0					
1st	0		160			
Avg	6.00		5.33	No Days	30	

Population Served 3,500

Number of routine samples 4

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

Number of actual routine samples 7

Does a M&AR violation exist? YES ____ NO ✓

If yes, check reason's below

____ Actual number of samples fewer than required

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

____ Failure to analyze repeat samples

Does an MCL violation exist? YES ____ NO ✓

If yes, check reason's below

____ Two or more positive total coliform samples for systems collecting [illegible] or more samples [illegible] repeat or hiturb) per month

____ Positive [illegible] result followed by a positive total coliform repeat [illegible]

____ Positive total coliform result followed by a positive [illegible] repeat [illegible]

Reported by [signature]

Date 12-[illegible]-02

Title Water Systems Supervisor

Certification No. NY0031941

BROOKHAVEN NATIONAL LABORATORY

WATER SYSTEMS OPERATION REPORT

PUBLIC WATER SUPPLY PROTECTION

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

LOCATION: **WELL NO. 12**

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 ✓

	CHLORINATION				pH	
	Treated	Liquid Sodium Hypochlorite		Free Cl2	_ Lime	Totalizer
Day of	Water	Gallons	Cl2 use	Residual	_ Sodium	Daily Totalizer
month	K. Gals	90	per 24hrs	mg/l	Hydroxide	582043
1	3	90	0	0.56	7.6	582046
2	0					
3	0					
4	1	90	0	0.56	7.6	582047
5	3	90	0	0.5	7.7	582050
6	0	90	0	0.58	7.6	582050
7	1	90	0	0.47	7.7	582051
8	1	90	0	0.45	7.6	582052
9	0	90	0	0.06	7.5	582052
10	0					
11	0					
12	3	90	0	0.66	7.7	582055
13	2	90	0	0.7	7.6	582057
14	2	90	0	0.63	7.6	582059
15	1	90	0	0.65	7.5	582060
16	0					
17	0					
18	1	89	1	0.02	7.5	582061
19	4	88	1	0.5	8.2	582065
20	11	88	0	0.04	8	582076
21	6	88	0	0.64	7.4	582082
22	52	88	0	NR	NR	582134
23	0					
24	0					
25	0	83	5	0.68	7.8	582134
26	14	82	1	0.25	7.8	582148
27	5	82	0	NR	NR	582153
28	0					
29	0					
30	0	82	0	1.1	7.4	582153
31	0					
TOT	110		8			
AVG	3.67		0.27	No. Days:	30	

Population Served 3,500

Number of routine samples 4

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

Number of actual routine samples 7

Does a M&AR violation exist? YES ____ NO ✓

If yes, check reason's below.

____ Actual number of samples fewer than required.

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

____ Failure to analyze repeat samples.

Does an MCL violation exist? YES ____ NO ✓

If yes, check reason(s) below.

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

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

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

Reported by: [signature]

Date: 12-5-02

Title: Water Systems Supervisor

Certification No. NY0031941

11/30/02
Pump Data

MONTHLY GALLONAGE REPORT
2002NOVEMBER.xls

Date	Well 4	Well 6	Well 7	Well10	Well11	Well12	Daily Total
1	376	0	1,197	0	0	3	1,576
2	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0
4	1,352	425	3,095	0	0	1	4,873
5	471	174	1,213	0	0	3	1,861
6	348	93	1,229	0	0	0	1,670
7	356	41	1,136	0	0	1	1,534
8	532	127	1,116	0	0	1	1,776
9	493	67	1,024	0	0	0	1,584
10	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0
12	1,084	316	2,715	0	0	3	4,118
13	393	115	822	0	0	2	1,332
14	394	86	893	0	0	2	1,375
15	433	247	968	0	0	1	1,649
16	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0
18	1,198	319	2,663	0	0	1	4,181
19	316	105	1,023	0	0	4	1,448
20	373	76	1,047	0	0	11	1,507
21	417	96	977	0	0	6	1,496
22	547	243	992	0	0	52	1,834
23	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0
25	1,225	410	2,749	0	0	0	4,384
26	70	0	1,117	0	0	14	1,201
27	459	136	946	0	0	5	1,546
28	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0
30	881	217	2,255	0	0	0	3,353
31	0	0	0	0	0	0	0
Total	11,718	3,293	29,177	0	0	110	44,298

	Totalizer This Month	Totalizer Last Month	Total(x1,000) Gallons
Well 4	1,510,466	1,498,748	11,718
Well 6	360,288	356,995	3,293
Well 7	947,174	917,997	29,177
Well 10	764,719	764,719	0
Well 11	462,912	462,912	0
Well 12	582,153	582,043	110
AGS Water Supply Meter	413,036	412,483	553.00
Medical Reactor - Well 105	0	0	0.00
Biology Building - Well 9	6,691,430	6,686,260	5.17

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0211213-001A

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

Federal ID 5111891
Client ID. : 14657-001
Collected : 11/7/02 8:35:00 AM
Point No : 094-273
Received : 11/7/02 3:00:00 PM
Location : B-49 Water Tower
Collected By : Jack Kulesa
Copies To : Tony Ross

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Total Coliform	Negative		Negative	M9223	11/7/02 3:15:00 PM
E_Coliform	Absent		Absent	M9223	11/7/02 3:15:00 PM
Total Residual Chlorine	0.9	mg/L		M4500-Cl G	11/7/02

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

Joann M. Slavin

Date Reported: 11/14/02

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040, FAX: (631) 420-8436 NYSDOH ID # 10478

LABORATORY RESULTS

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

Lab No. : 0211213-002A

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

Federal ID 5111891
Client ID. : 14857-002
Collected : 11/7/02 9:00:00 AM
Point No : 076-408
Received : 11/7/02 3:00:00 PM
Location : B-640 Water Tower
Collected By : Jack Kulesa
Copies To : Tony Ross

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Total Coliform	Negative		Negative	M9223	11/7/02 3:15:00 PM
E_Coliform	Absent		Absent	M9223	11/7/02 3:15:00 PM
Total Residual Chlorine	1.0	mg/L		M4500-Cl G	11/7/02

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

Joann M. Slavin

Date Reported : 11/14/02

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID # 10478

LABORATORY RESULTS

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

Lab No. : **0211213-003A**

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

Federal ID 5111891
Collected : 11/7/02 9:15:00 AM
Received : 11/7/02 3:00:00 PM
Collected By : Jack Kulesa
Copies To : Tony Ross

Point No : 045-12
Location : B-1005 Rhic

Client ID. : 14857-003

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Total Coliform	Negative		Negative	M9223	11/7/02 3:15:00 PM
E_Coliform	Absent		Absent	M9223	11/7/02 3:15:00 PM
Total Residual Chlorine	0.6	mg/L		M4500-Cl G	11/7/02

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

Joann M. Slavin

Date Reported : 11/14/02

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040, FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

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

Lab No. : **0211213-004A**

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

Federal ID 5111891
Client ID. : 14857-004
Collected : 11/7/02 8:55:00 AM
Point No : 109-19
Received : 11/7/02 3:00:00 PM
Location : B-363 Apt.Laundry
Collected By : Jack Kuleta
Copies To : Tony Ross

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Total Coliform	Negative		Negative	M9223	11/7/02 3:15:00 PM
E_Coliform	Absent		Absent	M9223	11/7/02 3:15:00 PM
Total Residual Chlorine	0.4	mg/L		M4500-Cl G	11/7/02

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

Joann M. Slavin

Date Reported : 11/14/02

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040, FAX: (631) 420-8436 NYSDOH ID # 10478

LABORATORY RESULTS

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

Lab No. : 0211213-005A

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

Federal ID 5111891
Collected : 11/7/02 9:30:00 AM
Received : 11/7/02 3:00:00 PM
Collected By : Jack Kulesa
Copies To : Tony Ross

Point No : 054-187
Location : B-930 Linac

Client ID. : 14857-005

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Total Coliform	Negative		Negative	M9223	11/7/02 3:15:00 PM
E_Coliform	Absent		Absent	M9223	11/7/02 3:15:00 PM
Total Residual Chlorine	0.9	mg/L		M4500-Cl G	11/7/02

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

Joann M. Slavin

Date Reported : 11/14/02

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0211213-006A

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

Federal ID 5111891
Client ID. : 14857-006
Collected : 11/7/02 9:45:00 AM
Point No : 084-70
Received : 11/7/02 3:00:00 PM
Location : B-490 Outpatient Clinic
Collected By : Jack Kulesa
Copies To : Tony Ross

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Total Coliform	Negative		Negative	M9223	11/7/02 3:15:00 PM
E_Coliform	Absent		Absent	M9223	11/7/02 3:15:00 PM
Total Residual Chlorine	1.0	mg/L		M4500-Cl G	11/7/02

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

Joann M. Slavin

Date Reported : 11/14/02

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 FAX: (631) 420-8436 NYSDOH ID # 10478

LABORATORY RESULTS

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

Lab No. : 0211213-007A

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

Federal ID 5111891
Client ID. : 14857-007
Collected : 11/7/02 9:50:00 AM
Point No : 084-67
Received : 11/7/02 3:00:00 PM
Location : B-490 Block 11
Collected By : Jack Kulesa
Copies To : Tony Ross

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Total Coliform	Negative		Negative	M9223	11/7/02 3:15:00 PM
E_Coliform	Absent		Absent	M9223	11/7/02 3:15:00 PM
Total Residual Chlorine	0.9	mg/L		M4500-Cl G	11/7/02

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

Joann M. Slavin

Date Reported : 11/14/02

ATTACHMENT II

Brookhaven National Laboratory
Potable Water Supply

November 2002 Biweekly Water Quality Monitoring Data for the BNL Potable Water Wells and the BNL Distribution System

Attachment II
Table 1 - Summary of Water Quality Analyses
for the BNL Potable Water System
November 2002

Sample Location	Sample Date	pH (SU)	Temperature (Degrees F)	Conductivity (μmhos)	Alkalinity (mg/L)	Calcium (mg/L)
WTP	11/5/02	7.8	53	150	NR	NR
WTP	11/7/02	7.5	54	155	NR	NR
WTP	11/12/02	7.3	56	135	NR	NR
WTP	11/14/02	7.4	55	140	NR	NR
WTP	11/19/02	7.2	53	146	NR	NR
WTP	11/21/02	7.3	56	146	NR	NR
WTP	11/26/02	7.2	53	142	NR	NR
Well 12	11/5/02	7.7	56	152	NR	NR
Well 12	11/7/02	7.7	56	157	NR	NR
Well 12	11/12/02	7.7	56	148	NR	NR
Well 12	11/14/02	7.6	56	152	NR	NR
Well 12	11/19/02	8.2	55	301	NR	NR
Well 12	11/21/02	7.4	55	149	NR	NR
Well 12	11/26/02	7.8	55	129	NR	NR

NR - Analysis Not Required or Not Reported
WTP – Water Treatment Plant
Note: Field parameters are only conducted for facilities that are in operation on the day of measurement.

ATTACHMENT III

Brookhaven National Laboratory
Potable Water Supply

2002 Annual Synthetic Organic Chemical and Pesticides Analytical Results for the BNL Potable Water Wells and the BNL Distribution System

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040, FAX: (631) 420-8436 NYSDOH ID # 10478

LABORATORY RESULTS

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

Lab No. : 0207359-001A

Sample Information...
Type : Potable Water
Origin : Raw Well
Routine

Federal ID 5111891
Collected : 7/11/02 1:30:00 PM
Received : 7/11/02 3:15:00 PM
Collected By : CLIENT
Copies To : Tony Ross

Client ID. : 14850-001
Point No :
Location : Composite Wells #6+#7

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dalapon	< 1.3	µg/L	200	E515.1	7/17/02 5:38:00 AM
Dicamba	< 0.08	µg/L	50	E515.1	7/17/02 5:38:00 AM
2,4-D	< 0.20	µg/L	50	E515.1	7/17/02 5:38:00 AM
Pentachlorophenol	< 0.10	µg/L	1	E515.1	7/17/02 5:38:00 AM
2,4,5-TP (Silvex)	< 0.05	µg/L	10	E515.1	7/17/02 5:38:00 AM
Dinoseb	< 0.20	µg/L	7	E515.1	7/17/02 5:38:00 AM
Picloram	< 1.4	µg/L	500	E515.1	7/17/02 5:38:00 AM

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

Date Reported : 8/9/02

Joann M. Slavin
Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0207359-001B

Sample Information...
Type : Potable Water
Origin : Raw Well
Routine

Federal ID 5111891
Collected : 7/11/02 1:30:00 PM
Received : 7/11/02 3:15:00 PM
Collected By : CLIENT
Copies To : Tony Ross

Client ID. : 14850-001
Point No : Composite Wells #6 + #7
Location :

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Hexachlorocyclopentadiene	< 0.64	µg/L	50	E525.2	7/24/02 2:39:00 PM
Propachlor	< 1.0	µg/L	50	E525.2	7/24/02 2:39:00 PM
Hexachlorobenzene	< 0.25	µg/L	1	E525.2	7/24/02 2:39:00 PM
Simazine	< 0.50	µg/L	4	E525.2	7/24/02 2:39:00 PM
Atrazine	< 0.50	µg/L	3	E525.2	7/24/02 2:39:00 PM
Metribuzin	< 0.50	µg/L	50	E525.2	7/24/02 2:39:00 PM
Alachlor	< 1.0	µg/L	2	E525.2	7/24/02 2:39:00 PM
Metolachlor	< 1.0	µg/L	50	E525.2	7/24/02 2:39:00 PM
Butachlor	< 1.0	µg/L	50	E525.2	7/24/02 2:39:00 PM
bis(2-Ethylhexyl)adipate	< 1.0	µg/L	400	E525.2	7/24/02 2:39:00 PM
Bis(2-ethylhexyl)phthalate	< 3.0	µg/L	6	E525.2	7/24/02 2:39:00 PM
Benzo(a)pyrene	< 0.10	µg/L	0.2	E525.2	7/24/02 2:39:00 PM

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

Date Reported : 8/9/02

Joann M. Slavin
Laboratory Manager

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040, FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

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

Lab No. : 0207359-001C

Sample Information...
Type : Potable Water
Origin : Raw Well
Routine

Federal ID 5111891
Collected : 7/11/02 1:30:00 PM
Received : 7/11/02 3:15:00 PM
Collected By : CLIENT
Copies To : Tony Ross

Client ID. : 14850-001
Point No :
Location : Composite [illegible] #2

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Aldicarb sulfoxide	< 1.0	µg/L	4	E531.1	7/15/02 9:41:00 PM
Aldicarb sulfone	< 1.0	µg/L	2	E531.1	7/15/02 9:41:00 PM
Oxamyl	< 1.0	µg/L	200	E531.1	7/15/02 9:41:00 PM
Methomyl	< 1.0	µg/L	50	E531.1	7/15/02 9:41:00 PM
3-Hydroxycarbofuran	< 1.0	µg/L	50	E531.1	7/15/02 9:41:00 PM
Aldicarb	< 1.0	µg/L	3	E531.1	7/15/02 9:41:00 PM
Carbofuran	< 1.0	µg/L	40	E531.1	7/15/02 9:41:00 PM
Carbaryl	< 1.0	µg/L	50	E531.1	7/15/02 9:41:00 PM

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

Date Reported : 8/9/02

Joann M. Slavin
Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0207359-001D

Sample Information...
Type : Potable Water
Origin : Raw Well
Routine

Federal ID 5111891
Collected : 7/11/02 1:30:00 PM
Received : 7/11/02 3:15:00 PM
Collected By : CLIENT
Copies To : Tony Ross

Client ID. : 14850-001
Point No :
Location : Composite [illegible] #2

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Glyphosate	< 10	µg/L	700	E547	7/17/02 11:24:00 AM

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

Date Reported : 8/9/02

Joann M. Slavin
Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0207359-001E

Sample Information...
Type : Potable Water
Origin : Raw Well
Routine

Federal ID 5111891
Collected : 7/11/02 1:30:00 PM
Received : 7/11/02 3:15:00 PM
Collected By : CLIENT
Copies To : Tony Ross

Client ID. : 14850-001
Point No :
Location : Composite Wells #6 + #7

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Diquat	< 1.0	µg/L	20	E549.1	7/12/02 3:10:00 PM

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

Date Reported : 8/9/02

Joann M. Slavin
Laboratory Manager

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

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

Lab No. : 0207359-002A

Sample Information...
Type : Potable Water
Origin : Raw Well
Routine

Federal ID 5111891
Collected : 7/11/02 1:45:00 PM
Received : 7/11/02 3:15:00 PM
Collected By : CLIENT
Copies To : Tony Ross

Client ID. : 14850-002
Point No :
Location : Composite Wells # 11 + #12

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Dalapon	< 1.3	µg/L	200	E515.1	7/17/02 6:18:00 AM
Dicamba	< 0.08	µg/L	50	E515.1	7/17/02 6:18:00 AM
2,4-D	< 0.20	µg/L	50	E515.1	7/17/02 6:18:00 AM
Pentachlorophenol	< 0.10	µg/L	1	E515.1	7/17/02 6:18:00 AM
2,4,5-TP (Silvex)	< 0.05	µg/L	10	E515.1	7/17/02 6:18:00 AM
Dinoseb	< 0.20	µg/L	7	E515.1	7/17/02 6:18:00 AM
Picloram	< 1.4	µg/L	500	E515.1	7/17/02 6:18:00 AM

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

Date Reported : 8/9/02

Joann M. Slavin
Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0207359-002B

Sample Information...
Type : Potable Water
Origin : Raw Well
Routine

Federal ID 5111891
Collected : 7/11/02 1:45:00 PM
Received : 7/11/02 3:15:00 PM
Collected By : CLIENT
Copies To : Tony Ross

Client ID. : 14850-002
Point No :
Location : Composite Wells # 11 + #12

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Hexachlorocyclopentadiene	< 0.64	µg/L	50	E525.2	7/24/02 3:12:00 PM
Propachlor	< 1.0	µg/L	50	E525.2	7/24/02 3:12:00 PM
Hexachlorobenzene	< 0.25	µg/L	1	E525.2	7/24/02 3:12:00 PM
Simazine	< 0.50	µg/L	4	E525.2	7/24/02 3:12:00 PM
Atrazine	< 0.50	µg/L	3	E525.2	7/24/02 3:12:00 PM
Metribuzin	< 0.50	µg/L	50	E525.2	7/24/02 3:12:00 PM
Alachlor	< 1.0	µg/L	2	E525.2	7/24/02 3:12:00 PM
Metolachlor	< 1.0	µg/L	50	E525.2	7/24/02 3:12:00 PM
Butachlor	< 1.0	µg/L	50	E525.2	7/24/02 3:12:00 PM
bis(2-Ethylhexyl)adipate	< 1.0	µg/L	400	E525.2	7/24/02 3:12:00 PM
Bis(2-ethylhexyl)phthalate	< 3.0	µg/L	6	E525.2	7/24/02 3:12:00 PM
Benzo(a)pyrene	< 0.10	µg/L	0.2	E525.2	7/24/02 3:12:00 PM

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

Date Reported : 8/9/02

Joann M. Slavin
Laboratory Manager

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040, FAX: (631) 420-8436 NYSDOH ID # 10478

LABORATORY RESULTS

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

Lab No. : 0207359-002C

Sample Information...
Type : Potable Water
Origin : Raw Well
Routine

Federal ID 5111891
Collected : 7/11/02 1:45:00 PM
Received : 7/11/02 3:15:00 PM
Collected By : CLIENT
Copies To : Tony Ross

Client ID. : 14850-002
Point No :
Location : [illegible]

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Aldicarb sulfoxide	< 1.0	µg/L	4	E531.1	7/15/02 10:44:00 PM
Aldicarb sulfone	< 1.0	µg/L	2	E531.1	7/15/02 10:44:00 PM
Oxamyl	< 1.0	µg/L	200	E531.1	7/15/02 10:44:00 PM
Methomyl	< 1.0	µg/L	50	E531.1	7/15/02 10:44:00 PM
3-Hydroxycarbofuran	< 1.0	µg/L	50	E531.1	7/15/02 10:44:00 PM
Aldicarb	< 1.0	µg/L	3	E531.1	7/15/02 10:44:00 PM
Carbofuran	< 1.0	µg/L	40	E531.1	7/15/02 10:44:00 PM
Carbaryl	< 1.0	µg/L	50	E531.1	7/15/02 10:44:00 PM

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

Date Reported : 8/9/02

Joann M. Slavin
Laboratory Manager

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 FAX: (631) 420-8436 NYSDOH ID # 10478

LABORATORY RESULTS

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

Lab No. : 0207359-002D

Sample Information...
Type : Potable Water
Origin : Raw Well
Routine

Federal ID 5111891
Client ID. : 14850-002
Collected : 7/11/02 1:45:00 PM
Point No :
Received : 7/11/02 3:15:00 PM
Location : Composite Wells #11 + #12
Collected By : CLIENT
Copies To : Tony Ross

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Glyphosate	< 10	µg/L	700	E547	7/17/02 11:52:00 AM

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

Date Reported : 8/9/02

Joann M. Slavin
Laboratory Manager

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040. FAX: (631) 420-8436 NYSDOHID# 10478

LABORATORY RESULTS

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

Lab No. : 0207359-002E

Sample Information...
Type : Potable Water
Origin : Raw Well
Routine

Federal ID 5111891
Client ID. : 14850-002
Collected : 7/11/02 1:45:00 PM
Point No :
Received : 7/11/02 3:15:00 PM
Location : Composite Wells #11 + #12
Collected By : CLIENT
Copies To : Tony Ross

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Diquat	< 1.0	µg/L	20	E549.1	7/12/02 2:55:00 PM

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

Date Reported : 8/9/02

Joann M. Slavin
Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0207359-003A

Sample Information...
Type : Potable Water
Origin : Raw Well
Routine

Federal ID 5111891
Client ID. : 14850-003
Collected : 7/11/02 1:30:00 PM
Point No : 9
Received : 7/11/02 3:15:00 PM
Location : Well #6 Raw
Collected By : CLIENT
Copies To : Tony Ross

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,2-Dibromoethane	< 0.02	µg/L	0.05	E504.1	7/15/02 1:05:00 PM
1,2-Dibromo-3-chloropropane	< 0.02	µg/L	0.2	E504.1	7/15/02 1:05:00 PM

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

Date Reported : 8/9/02

Joann M. Slavin
Laboratory Manager

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040. FAX: (631) 420-8436 NYSDOH ID # 10478

LABORATORY RESULTS

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

Lab No. : 0207359-003B

Sample Information...
Type : Potable Water
Origin : Raw Well
Routine

Federal ID 5111891
Collected : 7/11/02 1:30:00 PM
Received : 7/11/02 3:15:00 PM
Collected By : CLIENT
Copies To : Tony Ross

Point No : 9
Location : Well #6 Raw

Client ID. : 14850-003

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Aldrin	< 0.025	µg/L	5	E505	7/17/02 3:45:00 PM
Lindane	< 0.025	µg/L	0.2	E505	7/17/02 3:45:00 PM
Heptachlor	< 0.025	µg/L	0.4	E505	7/17/02 3:45:00 PM
Heptachlor epoxide	< 0.025	µg/L	0.2	E505	7/17/02 3:45:00 PM
Dieldrin	< 0.050	µg/L	2	E505	7/17/02 3:45:00 PM
Endrin	< 0.050	µg/L	2	E505	7/17/02 3:45:00 PM
Methoxychlor	< 0.25	µg/L	40	E505	7/17/02 3:45:00 PM
Chlordane	< 0.50	µg/L	2	E505	7/17/02 3:45:00 PM
Total PCBs	< 0.50	µg/L	0.5	E505	7/17/02 3:45:00 PM
Toxaphene	< 2.5	µg/L	3	E505	7/17/02 3:45:00 PM

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

Date Reported : 8/9/02

Joann M. Slavin
Laboratory Manager

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 . FAX: (631) 420-8436 NYSDOH ID # 10478

LABORATORY RESULTS

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

Lab No. : 0207359-003C

Sample Information...
Type : Potable Water
Origin : Raw Well
Routine

Federal ID 5111891
Collected : 7/11/02 1:30:00 PM
Received : 7/11/02 3:15:00 PM
Collected By : CLIENT
Copies To : Tony Ross

Point No : 9
Location : Well #6 Raw

Client ID. : 14850-003

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Endothall (See Attached)	< 50	ug/L	100	E548.1	7/23/02

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

Date Reported : 8/9/02

Joann M. Slavin
Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0207359-004B

Sample Information...
Type : Potable Water
Origin :
WELL-7

Federal ID 5111891
Client ID. : 14850-004
Collected : 7/11/02 1:20:00 PM
Point No :
Received : 7/11/02 3:15:00 PM
Location : Well #7 - Raw
Collected By : CLIENT
Copies To : Tony Ross

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Aldrin	< 0.025	µg/L	5	E505	7/17/02 4:22:00 PM
Lindane	< 0.025	µg/L	0.2	E505	7/17/02 4:22:00 PM
Heptachlor	< 0.025	µg/L	0.4	E505	7/17/02 4:22:00 PM
Heptachlor epoxide	< 0.025	µg/L	0.2	E505	7/17/02 4:22:00 PM
Dieldrin	< 0.050	µg/L	2	E505	7/17/02 4:22:00 PM
Endrin	< 0.050	µg/L	2	E505	7/17/02 4:22:00 PM
Methoxychlor	< 0.25	µg/L	40	E505	7/17/02 4:22:00 PM
Chlordane	< 0.50	µg/L	2	E505	7/17/02 4:22:00 PM
Total PCBs	< 0.50	µg/L	0.5	E505	7/17/02 4:22:00 PM
Toxaphene	< 2.5	µg/L	3	E505	7/17/02 4:22:00 PM

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

Date Reported : 8/9/02

Joann M. Slavin
Laboratory Manager

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040 FAX (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

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

Lab No. : 0207359-004A

Sample Information...
Type : Potable Water
Origin :
WELL-7

Federal ID 5111891
Collected : 7/11/02 1:20:00 PM
Received : 7/11/02 3:15:00 PM
Collected By : CLIENT
Copies To : Tony Ross

Client ID. : 14850-004
Point No :
Location : Well # 7- Raw

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,2-Dibromoethane	< 0.02	µg/L	0.05	E504.1	7/15/02 1:29:00 PM
1,2-Dibromo-3-chloropropane	< 0.02	µg/L	0.2	E504.1	7/15/02 1:29:00 PM

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

Date Reported : 8/9/02

Joann M. Slavin
Laboratory Manager

H2M LABS, INC.

575 Broad Hollow Road, Melvile NY 11747
(631) 694-3040 . FAX: (631) 420-3438 NYSDOH ID# 10478

LABORATORY RESULTS

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

Lab No. : 0207359-004C

Sample Information...
Type : Potable Water
Origin :
WELL-7

Federal ID 5111891
Collected : 7/11/02 1:20:00 PM
Received : 7/11/02 3:15:00 PM
Collected By : CLIENT
Copies To : Tony Ross

Point No :
Location : Well #7- Raw

Client ID. : 14850-004

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Endothall (See Attached)	< 50	ug/L	100	E548.1	7/23/02

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

Date Reported : 8/9/02

Joann M. Slavin
Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0207359-005A

Sample Information...
Type : Potable Water
Origin :
056-31

Federal ID 5111891
Client ID. : 14850-005

Collected : 7/11/02 1:37:00 PM
Received : 7/11/02 3:15:00 PM
Collected By : CLIENT
Copies To : Tony Ross

Point No :
Location : Well #11-Kaw

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,2-Dibromoethane	< 0.02	µg/L	0.05	E504.1	7/15/02 1:55:00 PM
1,2-Dibromo-3-chloropropane	< 0.02	µg/L	0.2	E504.1	7/15/02 1:55:00 PM

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

Date Reported : 8/9/02

Joann M. Slavin
Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0207359-005B

Sample Information...
Type : Potable Water
Origin :
056-31

Federal ID 5111891
Collected : 7/11/02 1:37:00 PM
Received : 7/11/02 3:15:00 PM
Collected By : CLIENT
Copies To : Tony Ross

Client ID. : 14850-005

Point No :
Location : Well # 11- Raw

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Aldrin	< 0.025	µg/L	5	E505	7/17/02 4:59:00 PM
Lindane	< 0.025	µg/L	0.2	E505	7/17/02 4:59:00 PM
Heptachlor	< 0.025	µg/L	0.4	E505	7/17/02 4:59:00 PM
Heptachlor epoxide	< 0.025	µg/L	0.2	E505	7/17/02 4:59:00 PM
Dieldrin	< 0.050	µg/L	2	E505	7/17/02 4:59:00 PM
Endrin	< 0.050	µg/L	2	E505	7/17/02 4:59:00 PM
Methoxychlor	< 0.25	µg/L	40	E505	7/17/02 4:59:00 PM
Chlordane	< 0.50	µg/L	2	E505	7/17/02 4:59:00 PM
Total PCBs	< 0.50	µg/L	0.5	E505	7/17/02 4:59:00 PM
Toxaphene	< 2.5	µg/L	3	E505	7/17/02 4:59:00 PM

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

Date Reported : 8/9/02

Joann M. Slavin
Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0207359-005C

Sample Information...
Type : Potable Water
Origin :
056-31

Federal ID 5111891
Client ID. : 14850-005
Collected : 7/11/02 1:37:00 PM
Point No :
Received : 7/11/02 3:15:00 PM
Location : Well #11- Kaw
Collected By : CLIENT
Copies To : Tony Ross

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Endothall (See Attached)	< 50	ug/L	100	E548.1	7/23/02

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

Date Reported : 8/9/02

Joann M. Slavin
Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0207359-006A

Sample Information...
Type : Potable Water
Origin :
056-32

Federal ID 5111891
Client ID. : 14850-006
Collected : 7/11/02 1:45:00 PM
Point No :
Received : 7/11/02 3:16:00 PM
Location : Well #12 - Raw
Collected By : CLIENT
Copies To : Tony Ross

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
1,2-Dibromoethane	< 0.02	µg/L	0.05	E504.1	7/15/02 2:20:00 PM
1,2-Dibromo-3-chloropropane	< 0.02	µg/L	0.2	E504.1	7/15/02 2:20:00 PM

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

Date Reported : 8/9/02

Joann M. Slavin
Laboratory Manager

H2M LABS, INC.
575 Broad Hollow Road, Melville NY 11747
(631) 694-3040. FAX: (631) 420-8436 NYSDOH ID# 10478

LABORATORY RESULTS

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

Lab No. : 0207359-006B

Sample Information...
Type : Potable Water
Origin :
056-32

Federal ID 5111891
Collected : 7/11/02 1:45:00 PM
Received : 7/11/02 3:15:00 PM
Collected By : CLIENT
Copies To : Tony Ross

Client ID. : 14850-006
Point No :
Location : Well #12 - Raw

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Aldrin	< 0.025	µg/L	5	E505	7/17/02 5:36:00 PM
Lindane	< 0.025	µg/L	0.2	E505	7/17/02 5:36:00 PM
Heptachlor	< 0.025	µg/L	0.4	E505	7/17/02 5:36:00 PM
Heptachlor epoxide	< 0.025	µg/L	0.2	E505	7/17/02 5:36:00 PM
Dieldrin	< 0.050	µg/L	2	E505	7/17/02 5:36:00 PM
Endrin	< 0.050	µg/L	2	E505	7/17/02 5:36:00 PM
Methoxychlor	< 0.25	µg/L	40	E505	7/17/02 5:36:00 PM
Chlordane	< 0.50	µg/L	2	E505	7/17/02 5:36:00 PM
Total PCBs	< 0.50	µg/L	0.5	E505	7/17/02 5:36:00 PM
Toxaphene	< 2.5	µg/L	3	E505	7/17/02 5:36:00 PM

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

Date Reported : 8/9/02

Joann M. Slavin
Laboratory Manager

H2M LABS, INC.

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

LABORATORY RESULTS

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

Lab No. : 0207359-006C

Sample Information...
Type : Potable Water
Origin :
056-32

Federal ID 5111891
Client ID. : 14850-006

Collected : 7/11/02 1:45:00 PM
Received : 7/11/02 3:15:00 PM
Collected By : CLIENT
Copies To : Tony Ross

Point No :
Location : Well #12-Raw

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Endothall (See Attached)	< 50	ug/L	100	E548.1	7/23/02

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

Date Reported : 8/9/02

Joann M. Slavin
Laboratory Manager

Eastern Laboratory Services Ltd
quality ■ accuracy ■ reliability

ENVIRONMENTAL
390 N. Pennsylvania Ave.
S. Waverly, PA 18840-2826
Phone (570) 888-0169
FAX (570) 888-0717

Certificate of Analysis

H2M Labs Inc. 575 Broad Hollow Road Melville NY, 117475076	Project: Endothall Project No: [none] Project Manager: Stu Murrell	Reported: 07/29/02 12:31

0207359-003C
2G12077-01 (Drinking Water)

Date Sampled: 07/11/02 13:30
Date Received: 07/12/02 16:34

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 548.1 Endothall								
Endothall	<0.05	0.1	mg/l	07/17/02 10:00	07/23/02 21:31	EPA 548.1		FCOL*

FCOL = Analysis performed by NYS DOH#10552, PA DEP#20-073

0207359-004C
2G12077-02 (Drinking Water)

Date Sampled: 07/11/02 13:20
Date Received: 07/12/02 16:34

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 548.1 Endothall								
Endothall	<0.05	0.1	mg/l	07/17/02 10:00	07/23/02 21:31	EPA 548.1		FCOL*

FCOL = Analysis performed by NYS DOH#10552, PA DEP#20-073

0207359-005C
2G12077-03 (Drinking Water)

Date Sampled: 07/11/02 13:37
Date Received: 07/12/02 16:34

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 548.1 Endothall								
Endothall	<0.05	0.1	mg/l	07/17/02 10:00	07/23/02 21:31	EPA 548.1		FCOL*

FCOL = Analysis performed by NYS DOH#10552, PA DEP#20-073

0207359-006C
2G12077-04 (Drinking Water)

Date Sampled: 07/11/02 13:45
Date Received: 07/12/02 16:34

Analyte	Result	MCL	Units	Prepared	Analyzed	Method	Analyst	Notes
EPA 548.1 Endothall								
Endothall	<0.05	0.1	mg/l	07/17/02 10:00	07/23/02 21:31	EPA 548.1		FCOL*

FCOL = Analysis performed by NYS DOH#10552, PA DEP#20-073

Eastern Laboratory Services, Ltd.

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Barbara Holman

PA 08380 NY 11216

Reviewed by Barbara Holman, QA Manager