

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: <b>November 2002</b>
------------------	------------------	----------------	--

LOCATION: **Water Treatment Facility**

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 12704981
	Treated Water in Gallons	Liquid Sodium Hypochlorite Gallons	Free Cl2 Residual mg/l	Lime Sodium Hydroxide	Totalizer		
						Cl2 use per 24hrs	
1	297	50	5	1.01	7	12705879	
2	0						
3	0						
4	2781	65	25	0.6	6.9	12706639	
5	1498	55+20	10	0.65	7.3	12707437	
6	1033	70	5	0.68	7.4	12710770	
7	1462	55	15	1	7.5	12711832	
8	997	45+55	10	1.02	7.5	12712829	
9	618	90	10	0.96	7.4	12713747	
10	0						
11	0						
12	2736	53+137	27	0.81	7.3	12716093	
13	753	142	8	0.8	7.5	12716836	
14	703	185	7	0.9	7.4	12717639	
15	507	174	11	0.79	7.5	12718466	
16	0						
17	0						
18	2750	148	26	0.68	7.2	12720826	
19	660	138	10	0.89	7.2	12721786	
20	908	126	12	1.2	7.3	12722694	
21	986	116	11	1.3	7.3	12723580	
22	374	105	10	1.08	7.3	12724454	
23	0						
24	0						
25	2558	75	30	0.86	7	12727012	
26	863	65+135	10	1.3	7.2	12727875	
27	506	200	0	0.95	7.3	12728681	
28	0						
29	0						
30	1075	150	10	1.1	7.3	12730456	
31	0						
TOT	26678		262				
AVG	859.44		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&R 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 turbid 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 turbid) 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: *A. A. [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 contamination waiver? YES  NO

Date	Treated Water	CHLORINATION		Free Cl <sub>2</sub> Residual	pH		Totalizer
		Liquid Sodium Hypochlorite	Cl <sub>2</sub> use per 24hrs		Lime	Totalizer	
					Sodium Hydroxide		
	66						1498748
1	378	60+74	6	0.04	5.6		1499124
2	0						
3	0						
4	1352	114	20	0.02	5.7		1500476
5	471	111	3	0.14	5.7		1500947
6	448	99	12	0.03	5.8		1501095
7	756	93+42	6	0.03	5.9		1501651
8	532	129	6	0.03	5.9		1502183
9	293	121	8	0.08	5.9		1502676
10	0						
11	0						
12	1284	103	18	0.2	5.8		1503760
13	103	96	7	0.02	5.9		1504153
14	104	64	3	0.4	5.8		1504647
15	433	68	5	0.07	5.8		1504980
16	0						
17	0						
18	1288	64	24	0.09	5.9		1506172
19	316	57	7	0.1	5.8		1506484
20	123	60	7	0.09	5.8		1506867
21	417	45	6	0.1	5.8		1507284
22	547	32	12	0.4	5.5		1507831
23	0						
24	0						
25	1225	18+99	15	0.03	5.7		1509056
26	20	104	4	0.3	5.6		1509126
27	284	100+25	3	0	5.7		1509685
28	0						
29	0						
30	81	120	6	0.30	5.7		1510468
31	0						
32	1278		176				
33	1100		5.87	No. Tests	31		

Population Served 3,500

Number of routine samples 4

(Must collect a minimum of 8 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 the E. coli if there was a positive result for total coliforms 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 turbid) 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

*J. H. [Signature]*  
 \_\_\_\_\_  
 Water Systems Supervisor

Date 12-5-02  
 Laboratory # 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

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer
	Treated Water K. Gals	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide	Totalizer	
		Gallons	Cl2 use per 24hrs				
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: *AC [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

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer
	Treated Water	Liquid Sodium Hypochlorite		Free Cl2 Residual	Lime Sodium Hydroxide	917997	
	E. Gals	Gallons	Cl2 use per 24hrs	mg/l			
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	522	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	997	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 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: *M. Casper*

Title: Water Systems Supervisor

Date: 12-5-02

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

Day of month	CHLORINATION				pH		Daily Totalizer 764719
	Treated Water K. Gals	Liquid Sodium Hypochlorite		Free Cl <sub>2</sub> Residual mg/l	Lime Sodium Hydroxide	Totalizer	
		Gallons	Cl <sub>2</sub> use per 24hrs				
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	83	0	NR	NR	764719	
30	0						
31	0						
AVG	0	0.00	No Data	NR			

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&R 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 of high turbidity sample
  - Failure to analyze repeat turbidity.

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]  
Title: Water Systems Supervisor

Date: 12-5-02  
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

Month	Treated Water	CHLORINATION		pH		Totalizer
		Liquid Sodium Hypochlorite Gallons	Free Cl <sub>2</sub> mg/L	Lime		
				Sodium Hydroxide	Sodium Hydroxide	
		190	0	0.45	7.2	462912
1	0	190	0	0.45	7.2	462912
2	0					
3	0	190	0	0.45	7.4	462912
4	0	190	0	0.42	7.4	462912
5	0	190	0	0.45	7.5	462912
6	0	190	0	0.41	7.5	462912
7	0	190	0	0.4	7.5	462912
8	0	190	0	0.03	6.8	462912
9	0					
10	0	190	0	0.66	7.2	462912
11	0	190	0	0.65	7.2	462912
12	0	190	0	0.62	7.2	462912
1	0	190	0	0.68	7.2	462912
2	0					
3	0	190	0	0.05	6.8	462912
4	0	190	0	0.2	6.8	462912
5	0	190	0	0.28	7.4	462912
6	0	190	0	0.7	7.4	462912
7	0	190	0	NR	NR	462912
8	0					
9	0					
10	0	190	0	0.54	7.2	462912
11	0	190	0	0.45	7.2	462912
12	0	190	0	NR	NR	462912
1	0					
2	0	40	190	0.22	7.3	462912
3	0					
4	0		160			
5	0		6.33	NR	30	

Population Served 3,500

Number of routine samples 4

Must collect a minimum of 6 routine samples the month following a repeat sample collection.

Number of actual routine samples 7

Does a M&R 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 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 10 or more samples a week, repeat or followup per results.

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: 12-09-02

Title: Water Systems Supervisor

Report ID: 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**

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 <sub>2</sub> Residual	Free Cl <sub>2</sub> Residual	Lime Sodium Hydroxide	Daily Totalizer	
	k. Gals	Gallons	per 24hrs	mg/l			
1	3	90	0	0.56	7.6	582043	
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	3.5		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) 421-8436 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 8:25:00 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

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
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*

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
 (631) 594-3040, FAX: (631) 421-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

Brookhaven National Lab.-BNLM  
 70 Bell Ave.

Upton, NY 11973

Attn To : Bob Lee

Federal ID 5111891

Collected : 11/7/02 9:05:00 AM

Received : 11/7/02 3:00:00 PM

Collected By : Jack Kulesa

Copies To : Tony Ross

Lab No. : 0211213-002A

Client ID. : 14857-002

Point No : 076-408

Location : B-640 Water Tower

Sample Information...

Type : Potable Water

Origin : Dist.

Routine

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
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.

Date Reported : 11/14/02

*Joann M. Slavin*

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(531) 694-3040 . FAX: (631) 421-8436 NYSDOHID# 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

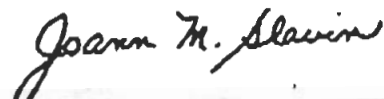
Point No : 045-12  
Location : B-1005 Rhic

Client ID. : 14857-003

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
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.

Date Reported : 11/14/02



# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(516) 694-3040, FAX: (516) 427-8436 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 : Dlst.

Routine

Federal ID 5111891

Client ID. : 14857-004

Collected : 11/7/02 8:59:00 AM

Point No : 109-19

Received : 11/7/02 3:00:00 PM

Location : B-363 Apt.Laundry

Collected By : Jack Kulesa

Copies To : Tony Ross

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
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.

Date Reported : 11/14/02

*Joann M. Slavin*

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(631) 694-3040, FAX: (631) 421-6436 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

Client ID. : 14857-005

Collected : 11/7/02 9:30:00 AM

Point No : 054-187

Received : 11/7/02 3:00:00 PM

Location : B-930 Linac

Collected By : Jack Kulesa

Copies To : Tony Ross

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
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-C1 G	11/7/02

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

Date Reported: 11/14/02

*Joann M. Slavin*



# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
(516) 694-3040 . FAX: (516) 421-8436 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

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
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-CI G	11/7/02

Result(s) reported meet or exceed regulatory limit(s).  
Result(s) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 11/14/02

*Joann M. Slavin*

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
 (631) 694-3040 FAX: (631) 421-8436 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

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
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.

Date Reported : 11/14/02

*Joann M. Slavin*

**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 I - Summary of Water Quality Analyses**  
**for the BNL Potable Water System**  
**November 2002**

Sample Location	Sample Date	pH (SU)	Temperature (Degrees F)	Conductivity ( $\mu$ mhos)	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  
 (516) 694-3040 FAX: (516) 420-8436 NYSDOHID # 10478

## LABORATORY RESULTS

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

Lab No. : 0207359-001A

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

Federal ID : 5111891

Client ID. : 14850-001

Collected : 7/11/02 1:30:00 PM

Point No :

Received : 7/11/02 3:15:00 PM

Location : Composite Wells # 6 + # 7

Collected By : CLIENT

Copies To : Tony Ross

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

Client ID. : 14850-001

Collected : 7/11/02 1:30:00 PM

Point No : Composite Wells # 61#7

Received : 7/11/02 3:15:00 PM

Location :

Collected By : CLIENT

Copies To : Tony Ross

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)phtha.ate	< 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. Alavin*

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 Wastewater #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

Client ID. : 14850-001

Collected : 7/11/02 1:30:00 PM

Point No :

Received : 7/11/02 3:15:00 PM

Location : Composite 11/15/02 # 10 # 7

Collected By : CLIENT

Copies To : Tony Ross

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
Glyphosate	< 10	µg/L	700	E547	7/17/02 11:24:00 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 NYSDOHID# 10478

## LABORATORY RESULTS

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

Lab No. : 0207359-001E

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

Federal ID 5111891

Client ID. : 14850-001

Collected : 7/11/02 1:30:00 PM

Point No :

Received : 7/11/02 3:15:00 PM

Location : Composite Vials #6 + #7

Collected By : CLIENT

Copies To : Tony Ross

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
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. Alavin*

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. : 0207359-002A

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
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

*Joanna M. Slavin*

Laboratory Manager

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
 (631) 694-3040, FAX: (631) 420-8138 NYSDOH ID# 10478

## LABORATORY RESULTS

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

Lab No. : 0207359-002B

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
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. Alavin*

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. 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 : Composite wells at 11-#12

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. Slavine*

Laboratory Manager

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
 (631) 694-3040, FAX: (631) 420-8136 NYSDOH ID# 10478

## LABORATORY RESULTS

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

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

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

Result(s) reported near(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) 420-8136 NYSDOHID# 10478

## LABORATORY RESULTS

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

Lab No. : 0207359-002E

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

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
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

*Joanna 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

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
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 mee:(s) Regulatory Limit(s).  
 Result(a) flagged with \* Exceed Regulatory Limit(s). Limit noted.

Date Reported : 8/9/02

*Joann M. Alavin*

Laboratory Manager



# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
 (631) 694-3040, FAX: (631) 420-4438 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

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

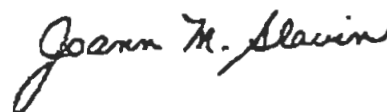
Collected By : CLIENT

Copies To : Tony Ross

Parameter(s)	Results	Units	Limit	Method Number	Analyzed
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



Laboratory Manager

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
 (631) 694-3040 . FAX: (631) 420-8438 NYSDOHID# 10478

## LABORATORY RESULTS

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

Lab No. : 0207359-003C

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

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
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  
 (531) 694-3040, FAX: (531) 420-4436 NYSDOH ID# 10478

## LABORATORY RESULTS

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

Lab No. : 0207359-004B

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 - Res

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 mee:(s) Regulatory Limit(s).  
 Result(s) flagged with \* Exceed Regulatory Limit(s), Limit noted.

Date Reported : 8/9/02

*Joanna M. Alavin*

Laboratory Manager

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
 (631) 694-3040 FAX: (631) 420-4436 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

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 New*

Collected By : CLIENT

Copies To : Tony Ross

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
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, Melville NY 11747  
 (631) 694-3040 FAX: (631) 420-3438 NYSDOHID# 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

Client ID. : 14850-004

Point No :  
 Location : Well #7 - Raw

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
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. Alavin*

Laboratory Manager

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
 (631) 694-3040, FAX: (631) 420-4438 NYSDOH ID# 10478

## LABORATORY RESULTS

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

Lab No. : 0207359-005A

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 - Ross

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) 420-8136 NYSDOH ID# 10478

## LABORATORY RESULTS

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

Lab No. : 0207359-005B

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 - 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 4:59:00 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)420-4436 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 - N200*

Collected By : CLIENT

Copies To : Tony Ross

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
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 :  
 058-32

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 - New*

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 - Rose

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	E605	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

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

Lab No. : 0207359-006C

Client ID. : 14850-008

Point No :

Location : Well #12 - Rose

Sample Information...

Type : Potable Water

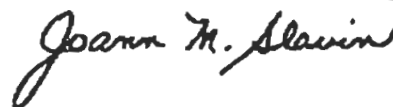
Origin :

056-32

<u>Parameter(s)</u>	<u>Results</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Endothell (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



## 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

*Barbara Hohman*

