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for the U.S. Department of Energy

August 9, 2005

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

Dear Ms. Kathleen Newcomer:

**Subject: Monthly Water Treatment Plant Reports**  
**Reference: Suffolk County Minimum Monitoring Requirements for July 2005**

In accordance with the requirements of the BNL Potable Water System Sampling Plan and the 2005 SCDHS Minimum Monitoring Requirements for the BNL Potable Water Supply, included please find the following attachments for your records:

- Attachment I: BNL Potable Water Monthly Operational Data for July.
- Attachment II: July 2005 Biweekly Water Quality Monitoring Data for the BNL Distribution System and Potable Water Wells.
- Attachment III: July 2005 Stage 1 Disinfectants & Disinfection Byproduct Rule-Monitoring Data and Bacteriological Analyses for the BNL Distribution System.
- Attachment IV: 2005 Annual Asbestos Analysis for the BNL Potable Water Distribution System.
- Attachment V: 2005 Annual Synthetic Organic Chemical and Pesticides Analyses for the BNL Potable Water Wells.
- Attachment VI: 2005 Annual Inorganic and Nitrate/Nitrite Analyses for the BNL Potable Wells.
- Attachment VII: 2005 Third Quarter Bacteriological Analyses for the BNL Potable Water Wells and GAC/Air Stripper Treatment Systems.



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ISO 14001: 1996

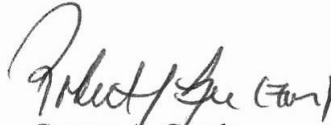


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Registrar Accreditation Board

Collection and analysis of these samples is performed in accordance with the guidelines of the BNL Quality Assurance program, the SCDHS Community Water Supply Monitoring Requirements, and the BNL Potable Water System Sampling Plan. Plant Engineering Division personnel using standard operating procedures collect routine monitoring samples; a contractor laboratory using standard methods of analysis performs the subsequent analyses. The Quality Assurance documentation is available from the Environmental and Waste Management Services Division and Plant Engineering Divisions. Based on this information, we believe the values contained in these reports are representative of the BNL potable water system.

Should there be any questions regarding this report or the analytical or operational data contained herein, please call either J. Higbie at (631) 344-5919, R. Lee at (631) 344-3148, or W. Chaloupka at (631) 344-7136.

Sincerely,



George A. Goode  
Environmental & Waste Management Services  
Division Manager

GAG/JB:car

Attachments: As noted

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

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**ATTACHMENT I**

**Brookhaven National Laboratory**

**Potable Water Supply**

**Monthly Operational Data for July 2005**

**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: JULY 2005
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LOCATION: **Water Treatment Facility**

Source: Ground Water

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

Does the system have a chlorination waiver? YES \_\_\_\_\_ NO X

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	1,523	100	17	0.81	7.6	96024	
2	0						
3	0						
4	3,221	60	40	0.65	7.5	99245	
5	0						
6	1,606	40	20	1.00	7.6	100851	
7	871	30+80	10	0.96	7.7	101722	
8	1,080	95	20	0.62	7.9	102802	
9	0						
10	0						
11	2,450	35	60	0.68	7.8	105252	
12	978	10+190=200	25	8.00	7.8	106230	
13	871	185	15	0.99	7.9	107101	
14	956	175	10	1.00	7.8	108057	
15	446	170	5	0.49	8.3	108503	
16	0						
17	0						
18	2,001	156	14	0.71	6.8	110504	
19	603	150	6	0.75	7.6	111107	
20	273	141	9	0.80	7.7	111380	
21	108	138	3	1.00	7.5	111488	
22	32	129+21	9	0.61	7.6	111520	
23	0						
24	0						
25	1,120	138	12	1.20	7.6	112640	
26	0	138	NR	NR	NR	112640	
27	78	138	NR	NR	NR	112718	
28	0	138	NR	NR	NR	112718	
29	22	138	NR	NR	NR	112740	
30	0						
31	0						
TOT	18,239		275				
AVG.	588.35		8.87	No. Days:	31		

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 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 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: *J. L. Row*

Date: 7-3-05

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: JULY 2005
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LOCATION: **WELL NO. 4**

Source: Ground Water

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

Does the system have a chlorination waiver? YES  NO

Day of month	CHLORINATION					pH	
	Treated Water	Liquid Sodium Hypochlorite		Free Cl2 Residual	Lime		
		Gallons	Cl2 use per 24hrs		Sodium Hydroxide	Totalizer	
	K Gals	0		mg/l		Daily Totalizer	1648622
1	0	0	0	NR	NR		1648622
2	0						
3	0						
4	0	0	0	NR	NR		1648622
5	0						
6	0	0	0	NR	NR		1648622
7	0	0	0	NR	NR		1648622
8	0	0	0	NR	NR		1648622
9	0						
10	0						
11	0	0	0	NR	NR		1648622
12	0	0	0	NR	NR		1648622
13	0	0	0	NR	NR		1648622
14	0	0	0	NR	NR		1648622
15	0	0	0	NR	NR		1648622
16	0						
17	0						
18	0	0	0	NR	NR		1648622
19	0	0	0	NR	NR		1648622
20	0	0	0	NR	NR		1648622
21	0	0	0	NR	NR		1648622
22	0	0	0	NR	NR		1648622
23	0						
24	0						
25	0	0	0	NR	NR		1648622
26	0	0	0	NR	NR		1648622
27	0	0	0	NR	NR		1648622
28	0	0	0	NR	NR		1648622
29	0	0	0	NR	NR		1648622
30	0						
31	0						
TOT	0		0				
AVG.	0.00		0.00	No. Days:	31		

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: *J. D. [Signature]*

Date: 7-3-05

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: JULY 2005
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LOCATION: WELL NO. 6

Source: Ground Water

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

Does the system have a chlorination waiver? YES  NO

Day of month	CHLORINATION				pH		Daily Totalizer
	Treated Water	Liquid Sodium Hypochlorite		Free Cl2	Lime	Totalizer	
		Gallons	Cl2 use	Residual	Sodium	Daily Totalizer	
	K Gals	57+93	per 24hrs	mg/l	Hydroxide	555191	
1	654	132	18	0.30	6.1	555845	
2	0						
3	0						
4	813	110	22	0.27	6.1	556658	
5	0						
6	44	108	2	0.01	6	556702	
7	128	105	3	0.05	6.1	556830	
8	284	99+51	6	0.03	6	557114	
9	0						
10	0						
11	460	132	18	0.16	6.1	557574	
12	311	123	9	0.00	6.3	557885	
13	222	117	6	0.00	6.3	558107	
14	349	102	15	0.88	6.2	558456	
15	245	93+57=150	9	0.03	6.3	558701	
16	0						
17	0						
18	463	129	21	0.02	6.1	559164	
19	0	129	0	NR	NR	559164	
20	0	129	0	NR	NR	559164	
21	0	129	0	NR	NR	559164	
22	0	129	0	NR	NR	559164	
23	0						
24	0						
25	925	95	36	NR	NR	560089	
26	0	95	0	NR	NR	560089	
27	51	95	0	NR	NR	560140	
28	0	95	0	NR	NR	560140	
29	0	95	0	NR	NR	560140	
30	0						
31	0						
TOT	4,949		165				
AVG.	159.65		5.32	No. Days:	31		

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: *SL Low*

Date: 7-3-05

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: JULY 2005
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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	Lime	Totalizer	
	K Gals	Gallons	Residual	Sodium	Daily Totalizer	
		138				1714296
1	1,222	111	27	0.30	6.1	1715518
2	0					
3	0					
4	2,941	57	54	0.27	6.1	1718459
5	0					
6	1,677	0+150	57	0.01	6	1720136
7	848	129	21	0.05	6.1	1720984
8	1,090	93+57	36	0.00	6	1722074
9	0					
10	0					
11	2,429	102	48	0.16	6.1	1724503
12	984	75+75=150	27	0.00	6.3	1725487
13	801	129	21	0.00	6.3	1726288
14	918	102	27	0.88	6.3	1727206
15	440	90+60=150	12	0.03	6.3	1727646
16	0					
17	0					
18	1,958	96	54	0.02	6.1	1729604
19	714	72+78	24	0.12	6	1730318
20	348	144	6	NR	NR	1730666
21	116	141	3	NR	NR	1730782
22	1	141	0	NR	NR	1730783
23	0					
24	0					
25	515	128	13	NR	NR	1731298
26	0	128	0	NR	NR	1731298
27	0	128	0	NR	NR	1731298
28	0	128	0	NR	NR	1731298
29	0	128	0	NR	NR	1731298
30	0					
31	0					
TOT	17,002		430			
AVG.	548.45		13.87	No. Days:	31	

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: 7-3-05

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: JULY 2005
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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
	Treated Water	Liquid Sodium Hypochlorite		Free Cl2 Residual	Lime Sodium Hydroxide	Totalizer	
		Gallons	Cl2 use per 24hrs				
1	0	0	0	NR	NR	771331	
2	0						
3	0						
4	0	0	0	NR	NR	771331	
5	0						
6	0	0	0	NR	NR	771331	
7	0	0	0	NR	NR	771331	
8	0	0	0	NR	NR	771331	
9	0						
10	0						
11	160	0	0	NR	NR	771491	
12	0	0	0	NR	NR	771491	
13	0	0	0	NR	NR	771491	
14	0	0	0	NR	NR	771491	
15	0	0	0	NR	NR	771491	
16	0						
17	0						
18	0	0	0	NR	NR	771491	
19	0	0	0	NR	NR	771491	
20	0	0	0	NR	NR	771491	
21	0	0	0	NR	NR	771491	
22	0	0	0	NR	NR	771491	
23	0						
24	0						
25	0	0	0	NR	NR	771491	
26	0	0	0	NR	NR	771491	
27	0	0	0	NR	NR	771491	
28	0	0	0	NR	NR	771491	
29	0	0	0	NR	NR	771491	
30	0						
31	0						
TOT	160		0				
AVG.	5.16		0.00	No. Days:	31		

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: *Sc. [Signature]*

Date: 7-3-05

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: JULY 2005
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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

Day of month	CHLORINATION				pH		Totalizer Daily Totalizer
	Treated Water K Gais	Liquid Sodium Hypochlorite		Free Cl2 Residual mg/l	Lime Sodium Hydroxide	Totalizer	
		Gallons	Cl2 use per 24hrs				
1	0	126	0	NR	NR	659207	
2	0						
3	0						
4	2,608	84	42	NR	NR	661815	
5	0						
6	1,442	60+90	24	0.24	6.2	663257	
7	776	135	15	0.20	6.2	664033	
8	983	120	15	NR	NR	665016	
9	0						
10	0						
11	2,164	90	30	0.70	6.1	667180	
12	858	75+75=150	15	1.00	6.1	668038	
13	760	135	15	0.83	6.1	668798	
14	747	120	15	0.56	6.1	669545	
15	1,414	93+33=126	27	0.34	6.1	670959	
16	0						
17	0						
18	2,954	69	57	0.58	6.1	673913	
19	1,194	48+102	21	0.45	6.1	675107	
20	324	141	9	0.35	6.1	675431	
21	1,232	120	21	1.00	6.1	676663	
22	1,295	96	24	NR	NR	677958	
23	0						
24	0						
25	733	84	12	NR	NR	678691	
26	415	78	6	0.35	NR	679106	
27	832	60	18	NR	NR	679938	
28	856	45+105	15	0.35	NR	680794	
29	273	150	0	NR	NR	681067	
30	0						
31	0						
TOT	21,860		381				
AVG.	705.16		12.29	No. Days:	31		

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: *JL Aug*

Date: 7-3-05

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: JULY 2005
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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		Daily Totalizer
	Treated Water	Liquid Sodium Hypochlorite		Free Cl <sub>2</sub> Residual	Lime Sodium Hydroxide		
		K Gals	Gallons		Cl <sub>2</sub> use per 24hrs	mg/l	
1	0	84	0	NR	NR	749989	
2	0						
3	0						
4	135	83	1	NR	NR	750124	
5	0						
6	0	83	0	NR	NR	750124	
7	0	83	0	NR	NR	750124	
8	0	83	0	NR	NR	750124	
9	0						
10	0						
11	31	81	2	NR	NR	750155	
12	0	81	0	NR	NR	750155	
13	0	81	0	NR	NR	750155	
14	0	81	0	NR	NR	750155	
15	0	81	0	NR	NR	750155	
16	0						
17	0						
18	768	72	9	NR	NR	750923	
19	201	69	3	NR	NR	751124	
20	1,184	48+102	21	0.10	7.5	752308	
21	415	144	6	NR	NR	752723	
22	286	141	3	0.60	6.2	753009	
23	0						
24	0						
25	3,311	88	53	1.00	8.1	756320	
26	1,489	64	24	0.62	8.1	757809	
27	1,412	36	28	0.82	8	759221	
28	1,438	11+139	25	0.65	7.8	760659	
29	1,475	123	2	0.66	8	762134	
30	0						
31	0						
TOT	12,145		177				
AVG.	391.77		5.71	No. Days:	31		

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: 7-3-05

Title: Water Systems Supervisor

Certification No. NY0031941

7/29/2005  
Pump Data

MONTHLY GALLONAGE REPORT  
JULY2005.XLS

Date	Well 4	Well 6	Well 7	Well10	Well11	Well12	Daily Total
1	0	654	1,222	0	0	0	1,876
2	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0
4	0	813	2,941	0	2,608	135	6,497
5	0	0	0	0	0	0	0
6	0	44	1,677	0	1,442	0	3,163
7	0	128	848	0	776	0	1,752
8	0	284	1,090	0	983	0	2,357
9	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0
11	0	460	2,429	160	2,164	31	5,244
12	0	311	984	0	858	0	2,153
13	0	222	801	0	760	0	1,783
14	0	349	918	0	747	0	2,014
15	0	245	440	0	1,414	0	2,099
16	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0
18	0	463	1,958	0	2,954	768	6,143
19	0	0	714	0	1,194	201	2,109
20	0	0	348	0	324	1,184	1,856
21	0	0	116	0	1,232	415	1,763
22	0	0	1	0	1,295	286	1,582
23	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0
25	0	925	515	0	733	3,311	5,484
26	0	0	0	0	415	1,489	1,904
27	0	51	0	0	832	1,412	2,295
28	0	0	0	0	856	1,438	2,294
29	0	0	0	0	273	1,475	1,748
30	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0
Total	0	4,949	17,002	160	21,860	12,145	56,116
		Totalizer			Totalizer		Total(x1,000)
		This Month			Last Month		Gallons
	Well 4	1,648,622			1,648,622		0
	Well 6	560,140			555,191		4,949
	Well 7	1,731,298			1,714,296		17,002
	Well 10	771,491			771,331		160
	Well 11	681,067			659,207		21,860
	Well 12	762,134			749,989		12,145
AGS Water Supply Meter		552,964			550,047		2917.00
Medical Reactor - Well 105		0			0		0.00
Biology Building - Well 9		6,793,050			6,792,770		0.28

**ATTACHMENT II**

**Brookhaven National Laboratory**

**Potable Water Supply**

**July 2005 Biweekly Water Quality Monitoring Data**

**for the BNL Distribution System**

**and Potable Water Wells**

**Attachment II**  
**Table 1 - Summary of Water Quality Analyses**  
**for the BNL Potable Water System**  
**July 2005**

Sample Location	Sample Date	pH (SU)	Temperature (Degrees F)	Conductivity ( $\mu$ mhos)	Alkalinity (mg/L)	Calcium ( )
WTP	7/7/05	7.7	59.2	148.3	ANR	ANR
WTP	7/12/05	7.8	58	177	ANR	ANR
WTP	7/14/05	7.8	58	165	ANR	ANR
WTP	7/19/05	7.6	60	171	ANR	ANR
WTP	7/21/05	7.5	65	159	ANR	ANR
WTP	7/26/05	7.7	65	210	ANR	ANR
WTP	7/28/05	7.0	61	196	ANR	ANR
Well 11	7/7/05	6.2	56	138	ANR	ANR
Well 11	7/12/05	6.1	55	143	ANR	ANR
Well 11	7/14/05	6.1	55	138	ANR	ANR
Well 11	7/19/05	6.1	55	140	ANR	ANR
Well 11	7/21/05	6.1	55	139	ANR	ANR
Well 11	7/26/05	6.1	55	157	ANR	ANR
Well 11	7/28/05	6.1	55	141	ANR	ANR
Well 12	7/26/05	8.1	56	216	ANR	ANR
Well 12	7/28/05	7.8	56	205	ANR	ANR

ANR- Analysis Not Required

NR- Not Reported

**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**

**July 2005 Stage 1 Disinfectants & Disinfection Byproduct Rule**

**Monitoring Data and Bacteriological Analyses for the BNL Distribution System**

**Attachment III**

**July 2005 Stage 1 Disinfectants & Disinfection Byproduct Rule Monitoring Data  
Table II - Maximum Residual Disinfectant Level (MRDL) Compliance**

Location	Total Residual Chlorine (mg/L)											
	Aug. 04	Sept. 04	Oct. 04	Nov. 04	Dec. 04	Jan. 05	Feb. 05	Mar. 05	Apr. 05	May 05	June 05	July 05
Bldg. 49 Water Tower	1.0	0.7	0.8	0.8	0.5	0.7	2.0	0.9	0.7	0.9	0.9	0.7
Bldg. 640 Water Tower	0.5	0.3	0.6	0.5	0.5	0.6	0.6	0.9	0.8	0.9	1.5	0.5
Bldg. 363 Apt. Laundry	0.5	0.6	0.5	0.5	0.4	0.6	0.7	0.9	0.7	0.7	0.7	0.6
Bldg. 1005 RHIC	0.5	0.5	0.5	0.5	0.4	0.5	0.6	1.1	0.7	1.0	1.2	0.5
Bldg. 930 LINAC	NS	0.9	NS	0.8	NS	0.6	NS	1.0	NS	0.8	NS	0.8
Bldg. 725 NSLS	0.9	NS	0.7	NS	0.5	NS	0.7	NS	1	NS	1.3	NS
Bldg. 490 Outpatient Clinic	NS	0.7	NS	0.7	NS	0.7	NS	0.5	NS	1.0	NS	0.5
Bldg. 490 Block 11	NS	0.3	NS	0.8	NS	0.6	NS	0.4	NS	0.3	NS	0.5
Bldg. 490 Block 1 ACF	0.4	NS	0.8	NS	0.5	NS	0.5	NS	0.3	NS	0.6	NS
Bldg. 490 Block 4 MRC	0.9	NS	0.7	NS	0.5	NS	0.7	NS	0.8	NS	1.1	NS
<b>Monthly Average</b>	0.7	0.6	0.7	0.7	0.5	0.6	0.8	0.8	0.7	0.8	1.0	0.6

NA - Not Applicable

NS- Not Scheduled for sampling

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

# H2M LABS, INC.

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

## LABORATORY RESULTS

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

Lab No. : 0507277-001A

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

Federal ID : 5111891

Client ID. : 20891-001

Collected : 7/8/05 8:30:00 AM

Point No : 094-273

Received : 7/8/05 3:30:00 PM

Location : B-49 Water Tower

Collected By : CLIENT

Copy : PRELIMINARY REPORT

CC : Original

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Method Number	Analyzed
Total Coliform	Negative		1		Negative	M9223	07/09/2005 12:00 PM
E_Coliform	Absent		1		Absent	M9223	07/09/2005 12:00 PM
Total Residual Chlorine	0.7		1	mg/L		M4500-Cl G	07/08/2005

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

Result(s) flagged with \* Exceed Regulatory Limit(s) Limit(s) Exceeded.

D.F. = Dilution Factor

Date Reported :

# PRELIMINARY



**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 : Marcia Allocco

Lab No. : 0507277-002A

Sample Information...

Type : Potable Water

Origin : Distribution

Routine

Federal ID 5111891

Client ID. : 20891-002

Collected : 7/8/05 9:20:00 AM

Point No : 076-408

Received : 7/8/05 3:30:00 PM

Location : B-640 Water Tower

Collected By : CLIENT

Copy : PRELIMINARY REPORT

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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		1		Negative	M9223	07/09/2005 12:00 PM
E_Coliiform	Absent		1		Absent	M9223	07/09/2005 12:00 PM
Total Residual Chlorine	0.5		1	mg/L		M4500-CI G	07/08/2005

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

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

D.F. = Dilution Factor

Date Reported :

**PRELIMINARY**

**H2M LABS, INC.**

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

Brookhaven National Lab.-BNLM  
 70 Bell Ave.  
 Upton, NY 11973

Attn To : Marcia Allocco

Federal ID 5111891

Collected : 7/8/05 10:15:00 AM

Received : 7/8/05 3:30:00 PM

Collected By : CLIENT

Copy : PRELIMINARY REPORT

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**LABORATORY RESULTS**

Lab No. : 0507277-003A

Sample Information...

Type : Potable Water

Origin : Distribution

Routine

Client ID. : 20891-003

Point No : 109-19

Location : B-363 Apt.Laundry

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		1		Negative	M9223	07/09/2005 12:00 PM
E_Coliform	Absent		1		Absent	M9223	07/09/2005 12:00 PM
Total Residual Chlorine	0.6		1	mg/L		M4500-Cl G	07/08/2005

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

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

D.F. = Dilution Factor

Date Reported :

**PRELIMINARY**

# 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.

Lab No. : 0507277-004A

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

Upton, NY 11973

Attn To : Marcia Allocco

Client ID. : 20891-004

Federal ID 5111891

Collected : 7/8/05 9:15:00 AM

Point No : 045-12

Received : 7/8/05 3:30:00 PM

Location : B-1005 RHIC

Collected By : CLIENT

Copy : PRELIMINARY REPORT

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Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Method Number	Analyzed
Total Coliform	Negative		1		Negative	M9223	07/09/2005 12:00 PM
E_Coliform	Absent		1		Absent	M9223	07/09/2005 12:00 PM
Total Residual Chlorine	0.5		1	mg/L		M4500-Cl G	07/08/2005

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

# PRELIMINARY

Date Reported :

# 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 : Marcia Allocco

Lab No. : 0507277-005A

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

Federal ID : 5111891

Client ID. : 20891-005

Collected : 7/8/05 9:25:00 AM

Point No : 054-187

Received : 7/8/05 3:30:00 PM

Location : B-930 LINAC

Collected By : CLIENT

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Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Method Number	Analyzed
Total Coliform	Negative		1		Negative	M9223	07/09/2005 12:00 PM
E_Coliform	Absent		1		Absent	M9223	07/09/2005 12:00 PM
Total Residual Chlorine	0.8		1	mg/L		M4500-Cl G	07/08/2005

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

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

D.F. = Dilution Factor

Date Reported :

# PRELIMINARY

**H2M LABS, INC.**

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

Brookhaven National Lab.-BNLM  
 70 Bell Ave.  
 Upton, NY 11973

Attn To : Marcia Allocco

Federal ID 5111891

Client ID. : 20891-006

Collected : 7/8/05 11:00:00 AM

Point No : 084-70

Received : 7/8/05 3:30:00 PM

Location : B-490 Outpatient Clinic

Collected By : CLIENT

Copy : PRELIMINARY REPORT

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**LABORATORY RESULTS**

Lab No. : 0507277-006A

Sample Information...

Type : Potable Water

Origin : Distribution

Routine

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		1		Negative	M9223	07/09/2005 12:00 PM
E_Coliform	Absent		1		Absent	M9223	07/09/2005 12:00 PM
Total Residual Chlorine	0.5		1	mg/L		M4500-CI G	07/08/2005

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

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

D.F. = Dilution Factor

Date Reported :

**PRELIMINARY**

# 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 : Marcia Allocco

Lab No. : 0507277-007A

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

Federal ID 5111891

Client ID. : 20891-007

Collected : 7/8/05 11:25:00 AM

Point No : 084-67

Received : 7/8/05 3:30:00 PM

Location : B-490 Block 11

Collected By : CLIENT

Copy : PRELIMINARY REPORT

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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		1		Negative	M9223	07/09/2005 12:00 PM
E_Coliform	Absent		1		Absent	M9223	07/09/2005 12:00 PM
Total Residual Chlorine	0.5		1	mg/L		M4500-Cl G	07/08/2005

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

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

D.F. = Dilution Factor

Date Reported :

# PRELIMINARY

**ATTACHMENT IV**

**Brookhaven National Laboratory**

**Potable Water Supply**

**2005 Annual Asbestos Analysis for the BNL Potable Water Distribution System**

BNLM 162



**EMSL Analytical, Inc.**

208 Stone Hinge Lane, Carle Place, NY 11514

Phone: (516) 997-7251 Fax: (516) 997-7528 Email: carleplacelab@emsl.com

Attn: **H2M Labs**  
**575 Broad Hollow Road**  
**Melville, NY 11747**

Fax: (631) 694-4122 Phone: (631) 756-8000  
Project: **BNLM162**

Customer ID: **HMMP77**  
Customer PO:  
Received: **06/04/05 10:36 AM**  
EMSL Order: **060503467**  
EMSL Proj:  
Analysis Date: **6/9/2005**  
Report Date: **6/10/2005**

**Determination of Asbestos Structures in Water Performed by the 100.2 Method (EPA/600/R-94/134)**

Sample ID	Sample Prep Date	# Fibers Asbestos	# Fibers Non-Asbestos	Type(s) Of Asbestos	Analytical Sensitivity (MFL)	Confidence Limits	Concentration Of Asbestos Fibers (MFL)	Comments
0506117-003A 060503467-0001	6/8/2005	0	0		0.13	0.00-0.50	<0.13	

Analyst(s)

Daniel Clarke (1)

David Altanburg  
or other approved signatory

Sample collection and containers provided by the client, acceptable bottle blank level is defined as <=0.01MFL>10um. ND=None Detected. This report may not be reproduced, except in full without written permission by EMSL Analytical, Inc. The results contained within this report meet the requirements of NELAC unless otherwise noted. This report relates only to those items tested.  
ACCREDITATIONS: NYS ELAP Lab ID: 11489, NVLAP 101048-10

BNLM162-A12



**ATTACHMENT V**

**Brookhaven National Laboratory**

**Potable Water Supply**

**2005 Annual Synthetic Organic Chemical and Pesticides Analyses  
for the BNL Potable Water Wells**

# 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 : Marcia Allocco

Lab No. : 0506117-010

Sample Information...

Type : Potable Water

Origin: Raw Well

Federal ID : 5111891

Client ID. : 19608-010

Collected : 6/3/2005 9:10:00 AM

Point No: 093-07

Received : 6/3/2005 3:00:00 PM

Location: Well #6 Raw

Collected By CLIENT

Copy : Original

CC

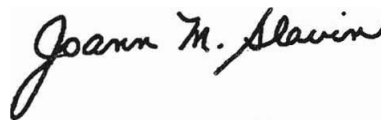
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Hexachlorocyclopentadiene	< 0.64		1	µg/L	50	E525.2	06/10/2005 4:59 PM
Propachlor	< 1.0		1	µg/L	50	E525.2	06/10/2005 4:59 PM
Hexachlorobenzene	< 0.25		1	µg/L	1	E525.2	06/10/2005 4:59 PM
Simazine	< 0.50		1	µg/L	4	E525.2	06/10/2005 4:59 PM
Atrazine	< 0.50		1	µg/L	3	E525.2	06/10/2005 4:59 PM
Metribuzin	< 0.50		1	µg/L	50	E525.2	06/10/2005 4:59 PM
Alachlor	< 1.0		1	µg/L	2	E525.2	06/10/2005 4:59 PM
Metolachlor	< 1.0		1	µg/L	50	E525.2	06/10/2005 4:59 PM
Butachlor	< 1.0		1	µg/L	50	E525.2	06/10/2005 4:59 PM
bis(2-Ethylhexyl)adipate	< 1.0		1	µg/L	400	E525.2	06/10/2005 4:59 PM
Bis(2-ethylhexyl)phthalate	< 3.0		1	µg/L	6	E525.2	06/10/2005 4:59 PM
Benzo(a)pyrene	< 0.10		1	µg/L	0.2	E525.2	06/10/2005 4:59 PM

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

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

D.F. = Dilution Factor

Date Reported : 6/29/2005



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 : Marcia Allocco

Lab No. : 0506117-010

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

Federal ID : 5111891

Client ID. : 19608-010

Collected : 6/3/2005 9:10:00 AM Point No: 093-07  
Received : 6/3/2005 3:00:00 PM Location: Well #6 Raw

Collected By CLIENT

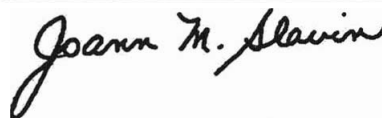
Copy : Original

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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Lindane	< 0.025		1	µg/L	0.2	E505	06/05/2005 7:23 AM
Heptachlor	< 0.025		1	µg/L	0.4	E505	06/05/2005 7:23 AM
Aldrin	< 0.025		1	µg/L	5	E505	06/05/2005 7:23 AM
Chlordane	< 0.50		1	µg/L	2	E505	06/05/2005 7:23 AM
Heptachlor epoxide	< 0.025		1	µg/L	0.2	E505	06/05/2005 7:23 AM
Dieldrin	< 0.050		1	µg/L	2	E505	06/05/2005 7:23 AM
Endrin	< 0.050		1	µg/L	2	E505	06/05/2005 7:23 AM
Methoxychlor	< 0.25		1	µg/L	40	E505	06/05/2005 7:23 AM
Toxaphene	< 2.5		1	µg/L	3	E505	06/05/2005 7:23 AM
Total PCBs	< 0.50		1	µg/L	0.5	E505	06/05/2005 7:23 AM

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

Date Reported : 6/29/2005



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 : Marcia Allocco

Lab No. : 0506117-011

Sample Information...

Type : Potable Water

Origin : Raw Well

Federal ID : 5111891

Client ID. : 19608-011

Collected : 6/3/2005 9:00:00 AM

Point No: 092-03

Received : 6/3/2005 3:00:00 PM

Location: Well #7 Raw

Collected By CLIENT

Copy : Original

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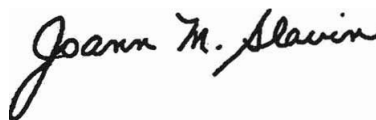
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Hexachlorocyclopentadiene	< 0.64		1	µg/L	50	E525.2	06/10/2005 5:29 PM
Propachlor	< 1.0		1	µg/L	50	E525.2	06/10/2005 5:29 PM
Hexachlorobenzene	< 0.25		1	µg/L	1	E525.2	06/10/2005 5:29 PM
Simazine	< 0.50		1	µg/L	4	E525.2	06/10/2005 5:29 PM
Atrazine	< 0.50		1	µg/L	3	E525.2	06/10/2005 5:29 PM
Metribuzin	< 0.50		1	µg/L	50	E525.2	06/10/2005 5:29 PM
Alachlor	< 1.0		1	µg/L	2	E525.2	06/10/2005 5:29 PM
Metolachlor	< 1.0		1	µg/L	50	E525.2	06/10/2005 5:29 PM
Butachlor	< 1.0		1	µg/L	50	E525.2	06/10/2005 5:29 PM
bis(2-Ethylhexyl)adipate	< 1.0		1	µg/L	400	E525.2	06/10/2005 5:29 PM
Bis(2-ethylhexyl)phthalate	< 3.0		1	µg/L	6	E525.2	06/10/2005 5:29 PM
Benzo(a)pyrene	< 0.10		1	µg/L	0.2	E525.2	06/10/2005 5:29 PM

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

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

D.F. = Dilution Factor

Date Reported : 6/29/2005



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 : Marcia Allocco

Lab No. : 0506117-011

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

Federal ID : 5111891

Client ID. : 19608-011

Collected : 6/3/2005 9:00:00 AM

Point No: 092-03

Received : 6/3/2005 3:00:00 PM

Location: Well #7 Raw

Collected By CLIENT

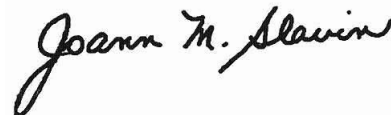
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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Lindane	< 0.025		1	µg/L	0.2	E505	06/05/2005 8:03 AM
Heptachlor	< 0.025		1	µg/L	0.4	E505	06/05/2005 8:03 AM
Aldrin	< 0.025		1	µg/L	5	E505	06/05/2005 8:03 AM
Chlordane	< 0.50		1	µg/L	2	E505	06/05/2005 8:03 AM
Heptachlor epoxide	< 0.025		1	µg/L	0.2	E505	06/05/2005 8:03 AM
Dieldrin	< 0.050		1	µg/L	2	E505	06/05/2005 8:03 AM
Endrin	< 0.050		1	µg/L	2	E505	06/05/2005 8:03 AM
Methoxychlor	< 0.25		1	µg/L	40	E505	06/05/2005 8:03 AM
Toxaphene	< 2.5		1	µg/L	3	E505	06/05/2005 8:03 AM
Total PCBs	< 0.50		1	µg/L	0.5	E505	06/05/2005 8:03 AM

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

Date Reported : 6/29/2005



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 : Marcia Allocco

Lab No. : 0506117-012

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

Federal ID : 5111891

Client ID. : 19608-012

Collected : 6/3/2005 10:30:00 AM Point No: 055-09  
Received : 6/3/2005 3:00:00 PM Location: Well #10 Raw

Collected By CLIENT

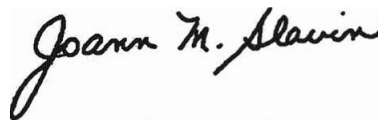
Copy : Original

CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Hexachlorocyclopentadiene	< 0.64		1	µg/L	50	E525.2	06/10/2005 6:00 PM
Propachlor	< 1.0		1	µg/L	50	E525.2	06/10/2005 6:00 PM
Hexachlorobenzene	< 0.25		1	µg/L	1	E525.2	06/10/2005 6:00 PM
Simazine	< 0.50		1	µg/L	4	E525.2	06/10/2005 6:00 PM
Atrazine	< 0.50		1	µg/L	3	E525.2	06/10/2005 6:00 PM
Metribuzin	< 0.50		1	µg/L	50	E525.2	06/10/2005 6:00 PM
Alachlor	< 1.0		1	µg/L	2	E525.2	06/10/2005 6:00 PM
Metolachlor	< 1.0		1	µg/L	50	E525.2	06/10/2005 6:00 PM
Butachlor	< 1.0		1	µg/L	50	E525.2	06/10/2005 6:00 PM
bis(2-Ethylhexyl)adipate	< 1.0		1	µg/L	400	E525.2	06/10/2005 6:00 PM
Bis(2-ethylhexyl)phthalate	< 3.0		1	µg/L	6	E525.2	06/10/2005 6:00 PM
Benzo(a)pyrene	< 0.10		1	µg/L	0.2	E525.2	06/10/2005 6:00 PM

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

Date Reported : 6/29/2005



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 : Marcia Allocco

Lab No. : 0506117-012

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

Federal ID : 5111891

Client ID. : 19608-012

Collected : 6/3/2005 10:30:00 AM Point No: 055-09

Received : 6/3/2005 3:00:00 PM Location: Well #10 Raw

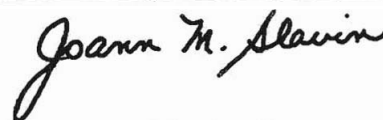
Collected By CLIENT

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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Lindane	< 0.025		1	µg/L	0.2	E505	06/05/2005 8:43 AM
Heptachlor	< 0.025		1	µg/L	0.4	E505	06/05/2005 8:43 AM
Aldrin	< 0.025		1	µg/L	5	E505	06/05/2005 8:43 AM
Chlordane	< 0.50		1	µg/L	2	E505	06/05/2005 8:43 AM
Heptachlor epoxide	< 0.025		1	µg/L	0.2	E505	06/05/2005 8:43 AM
Dieldrin	< 0.050		1	µg/L	2	E505	06/05/2005 8:43 AM
Endrin	< 0.050		1	µg/L	2	E505	06/05/2005 8:43 AM
Methoxychlor	< 0.25`		1	µg/L	40	E505	06/05/2005 8:43 AM
Toxaphene	< 2.5		1	µg/L	3	E505	06/05/2005 8:43 AM
Total PCBs	< 0.50		1	µg/L	0.5	E505	06/05/2005 8:43 AM

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

Date Reported : 6/29/2005



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 : Marcia Allocco

Lab No. : 0506117-009

Sample Information...

Type : Potable Water

Origin: Raw Well

Federal ID : 5111891

Client ID. : 19608-009

Collected : 6/3/2005 10:45:00 AM Point No: 056-19

Received : 6/3/2005 3:00:00 PM Location: Well #11 Raw

Collected By CLIENT

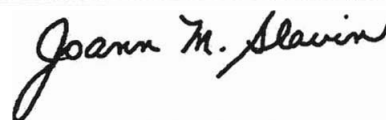
Copy : Original

CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Hexachlorocyclopentadiene	< 0.64		1	µg/L	50	E525.2	06/10/2005 4:28 PM
Propachlor	< 1.0		1	µg/L	50	E525.2	06/10/2005 4:28 PM
Hexachlorobenzene	< 0.25		1	µg/L	1	E525.2	06/10/2005 4:28 PM
Simazine	< 0.50		1	µg/L	4	E525.2	06/10/2005 4:28 PM
Atrazine	< 0.50		1	µg/L	3	E525.2	06/10/2005 4:28 PM
Metribuzin	< 0.50		1	µg/L	50	E525.2	06/10/2005 4:28 PM
Alachlor	< 1.0		1	µg/L	2	E525.2	06/10/2005 4:28 PM
Metolachlor	< 1.0		1	µg/L	50	E525.2	06/10/2005 4:28 PM
Butachlor	< 1.0		1	µg/L	50	E525.2	06/10/2005 4:28 PM
bis(2-Ethylhexyl)adipate	< 1.0		1	µg/L	400	E525.2	06/10/2005 4:28 PM
Bis(2-ethylhexyl)phthalate	< 3.0		1	µg/L	6	E525.2	06/10/2005 4:28 PM
Benzo(a)pyrene	< 0.10		1	µg/L	0.2	E525.2	06/10/2005 4:28 PM

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

Date Reported : 6/29/2005



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 : Marcia Allocco

Lab No. : 0506117-009

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

Federal ID : 5111891

Client ID. : 19608-009

Collected : 6/3/2005 10:45:00 AM Point No: 056-19  
Received : 6/3/2005 3:00:00 PM Location: Well #11 Raw  
Collected By CLIENT

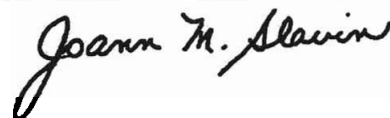
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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Lindane	< 0.025		1	µg/L	0.2	E505	06/05/2005 6:43 AM
Heptachlor	< 0.025		1	µg/L	0.4	E505	06/05/2005 6:43 AM
Aldrin	< 0.025		1	µg/L	5	E505	06/05/2005 6:43 AM
Chlordane	< 0.50		1	µg/L	2	E505	06/05/2005 6:43 AM
Heptachlor epoxide	< 0.025		1	µg/L	0.2	E505	06/05/2005 6:43 AM
Dieldrin	< 0.050		1	µg/L	2	E505	06/05/2005 6:43 AM
Endrin	< 0.050		1	µg/L	2	E505	06/05/2005 6:43 AM
Methoxychlor	< 0.25		1	µg/L	40	E505	06/05/2005 6:43 AM
Toxaphene	< 2.5		1	µg/L	3	E505	06/05/2005 6:43 AM
Total PCBs	< 0.50		1	µg/L	0.5	E505	06/05/2005 6:43 AM

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

Date Reported : 6/29/2005



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 : Marcia Allocco

Lab No. : 0506117-008

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

Federal ID : 5111891

Client ID. : 19608-008

Collected : 6/3/2005 10:40:00 AM Point No: 056-20

Received : 6/3/2005 3:00:00 PM Location: Well #12 Raw

Collected By CLIENT

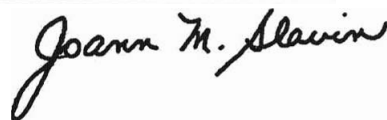
Copy : Original

CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Hexachlorocyclopentadiene	< 0.64		1	µg/L	50	E525.2	06/10/2005 3:58 PM
Propachlor	< 1.0		1	µg/L	50	E525.2	06/10/2005 3:58 PM
Hexachlorobenzene	< 0.25		1	µg/L	1	E525.2	06/10/2005 3:58 PM
Simazine	< 0.50		1	µg/L	4	E525.2	06/10/2005 3:58 PM
Atrazine	< 0.50		1	µg/L	3	E525.2	06/10/2005 3:58 PM
Metribuzin	< 0.50		1	µg/L	50	E525.2	06/10/2005 3:58 PM
Alachlor	< 1.0		1	µg/L	2	E525.2	06/10/2005 3:58 PM
Metolachlor	< 1.0		1	µg/L	50	E525.2	06/10/2005 3:58 PM
Butachlor	< 1.0		1	µg/L	50	E525.2	06/10/2005 3:58 PM
bis(2-Ethylhexyl)adipate	< 1.0		1	µg/L	400	E525.2	06/10/2005 3:58 PM
Bis(2-ethylhexyl)phthalate	< 3.0		1	µg/L	6	E525.2	06/10/2005 3:58 PM
Benzo(a)pyrene	< 0.10		1	µg/L	0.2	E525.2	06/10/2005 3:58 PM

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

Date Reported : 6/29/2005



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 : Marcia Allocco

Lab No. : 0506117-008

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

Federal ID : 5111891

Client ID. : 19608-008

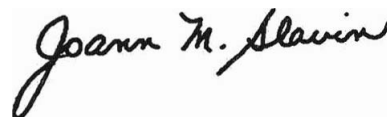
Collected : 6/3/2005 10:40:00 AM Point No: 056-20  
Received : 6/3/2005 3:00:00 PM Location: Well #12 Raw  
Collected By CLIENT

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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Lindane	< 0.025		1	µg/L	0.2	E505	06/05/2005 6:02 AM
Heptachlor	< 0.025		1	µg/L	0.4	E505	06/05/2005 6:02 AM
Aldrin	< 0.025		1	µg/L	5	E505	06/05/2005 6:02 AM
Chlordane	< 0.50		1	µg/L	2	E505	06/05/2005 6:02 AM
Heptachlor epoxide	< 0.025		1	µg/L	0.2	E505	06/05/2005 6:02 AM
Dieldrin	< 0.050		1	µg/L	2	E505	06/05/2005 6:02 AM
Endrin	< 0.050		1	µg/L	2	E505	06/05/2005 6:02 AM
Methoxychlor	< 0.25		1	µg/L	40	E505	06/05/2005 6:02 AM
Toxaphene	< 2.5		1	µg/L	3	E505	06/05/2005 6:02 AM
Total PCBs	< 0.50		1	µg/L	0.5	E505	06/05/2005 6:02 AM

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

Date Reported : 6/29/2005



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 : Marcia Allocco

Lab No. : 0506117-010

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

Federal ID : 5111891

Client ID. : 19608-010

Collected : 6/3/2005

Point No:

Received : 6/3/2005 3:00:00 PM

Location:

COMPOSITE (WELL 6-7)

Collected By CLIENT

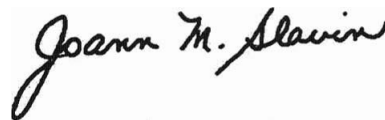
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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
1,2-Dibromoethane	< 0.02		1	µg/L	0.05	E504.1	06/14/2005 4:33 PM
1,2-Dibromo-3-chloropropane	< 0.02		1	µg/L	0.2	E504.1	06/14/2005 4:33 PM

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

Date Reported : 6/29/2005



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 : Marcia Allocco

Lab No. : 0506117-010

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

Federal ID : 5111891

Client ID. : 19608-010

Collected : 6/3/2005

Point No:

COMPOSITE (WELL 6-7)

Received : 6/3/2005 3:00:00 PM

Location:

Collected By CLIENT

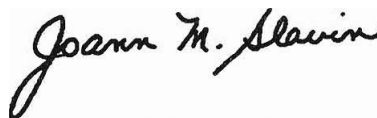
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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Aldicarb sulfoxide	< 1.0		1	µg/L	4	E531.1	06/07/2005 6:26 PM
Aldicarb sulfone	< 1.0		1	µg/L	2	E531.1	06/07/2005 6:26 PM
Oxamyl	< 1.0		1	µg/L	200	E531.1	06/07/2005 6:26 PM
Methomyl	< 1.0		1	µg/L	50	E531.1	06/07/2005 6:26 PM
3-Hydroxycarbofuran	< 1.0		1	µg/L	50	E531.1	06/07/2005 6:26 PM
Aldicarb	< 1.0		1	µg/L	3	E531.1	06/07/2005 6:26 PM
Carbofuran	< 1.0		1	µg/L	40	E531.1	06/07/2005 6:26 PM
Carbaryl	< 1.0		1	µg/L	50	E531.1	06/07/2005 6:26 PM

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

Date Reported : 6/29/2005



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 : Marcia Allocco

Lab No. : 0506117-010

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

Federal ID : 5111891

Client ID. : 19608-010

Collected : 6/3/2005

Point No:

COMPOSITE (WELL 6-7)

Received : 6/3/2005 3:00:00 PM

Location:

Collected By CLIENT

Copy : Original

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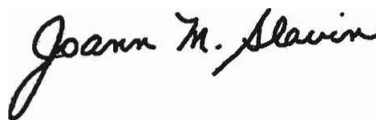
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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Glyphosate	< 10		1	µg/L	700	E547	06/09/2005 1:43 PM

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

Date Reported : 6/29/2005



Laboratory Manager

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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 : Marcia Allocco

Lab No. : 0506117-010

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

Federal ID : 5111891

Client ID. : 19608-010

Collected : 6/3/2005

Point No:

Received : 6/3/2005 3:00:00 PM

Location:

COMPOSITE (WELL 6-7)

Collected By CLIENT

Copy : Original

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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Dalapon	< 0.70		1	µg/L	200	E515.1	06/11/2005 10:27 PM
Dicamba	< 0.08		1	µg/L	50	E515.1	06/11/2005 10:27 PM
2,4-D	< 0.25		1	µg/L	50	E515.1	06/11/2005 10:27 PM
Pentachlorophenol	< 0.20		1	µg/L	1	E515.1	06/11/2005 10:27 PM
2,4,5-TP (Silvex)	< 0.13		1	µg/L	10	E515.1	06/11/2005 10:27 PM
Dinoseb	< 0.20		1	µg/L	7	E515.1	06/11/2005 10:27 PM
Picloram	< 0.60		1	µg/L	500	E515.1	06/11/2005 10:27 PM

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

Result(s) flagged with \* Exceed Regulatory Limit(s) - Limit noted

D.F. = Dilution Factor

Date Reported : 6/29/2005



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 : Marcia Allocco

Lab No. : 0506117-010

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

Federal ID : 5111891

Client ID. : 19608-010

Collected : 6/3/2005

Point No:

COMPOSITE (WELL 6-7)

Received : 6/3/2005 3:00:00 PM

Location:

Collected By CLIENT

Copy : Original

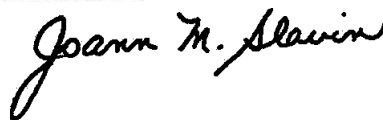
CC

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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Endothall	< 50		1	ug/L	100	E548.1	06/09/2005 1:19 PM

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

Date Reported : 6/29/2005



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 : Marcia Allocco

Lab No. : 0506117-010

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

Federal ID : 5111891

Client ID. : 19608-010

Collected : 6/3/2005

Point No:

COMPOSITE (WELL 6-7)

Received : 6/3/2005 3:00:00 PM

Location:

Collected By CLIENT

Copy : Original

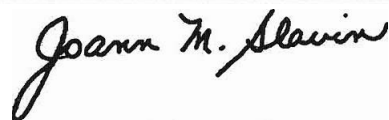
CC

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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Diquat	< 1.0		1	µg/L	20	E549.1	06/07/2005 12:11 PM

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

Date Reported : 6/29/2005



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 : Marcia Allocco

Lab No. : 0506117-008

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

Federal ID : 5111891

Client ID. : 19608-008

Collected : 6/3/2005

Point No:

Received : 6/3/2005 3:00:00 PM

Location:

COMPOSITE (WELL 10-11-12)

Collected By CLIENT

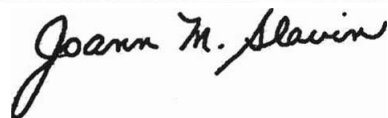
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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
1,2-Dibromoethane	< 0.02		1	µg/L	0.05	E504.1	06/14/2005 3:56 PM
1,2-Dibromo-3-chloropropane	< 0.02		1	µg/L	0.2	E504.1	06/14/2005 3:56 PM

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

Date Reported : 6/29/2005



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 : Marcia Allocco

Lab No. : 0506117-008

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

Federal ID : 5111891

Client ID. : 19608-008

Collected : 6/3/2005

Point No:

Received : 6/3/2005 3:00:00 PM

Location:

Collected By CLIENT

COMPOSITE (WELL 10-11-12)

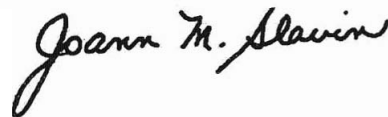
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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Aldicarb sulfoxide	< 1.0		1	µg/L	4	E531.1	06/07/2005 5:23 PM
Aldicarb sulfone	< 1.0		1	µg/L	2	E531.1	06/07/2005 5:23 PM
Oxamyl	< 1.0		1	µg/L	200	E531.1	06/07/2005 5:23 PM
Methomyl	< 1.0		1	µg/L	50	E531.1	06/07/2005 5:23 PM
3-Hydroxycarbofuran	< 1.0		1	µg/L	50	E531.1	06/07/2005 5:23 PM
Aldicarb	< 1.0		1	µg/L	3	E531.1	06/07/2005 5:23 PM
Carbofuran	< 1.0		1	µg/L	40	E531.1	06/07/2005 5:23 PM
Carbaryl	< 1.0		1	µg/L	50	E531.1	06/07/2005 5:23 PM

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

Date Reported : 6/29/2005



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 : Marcia Allocco

Lab No. : 0506117-008

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

Federal ID : 5111891

Client ID. : 19608-008

Collected : 6/3/2005

Point No:

Received : 6/3/2005 3:00:00 PM

Location:

COMPOSITE (WELL 10-11-12)

Collected By CLIENT

Copy : Original

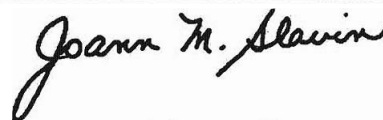
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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Glyphosate	< 10		1	µg/L	700	E547	06/09/2005 1:15 PM

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

Date Reported : 6/29/2005



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 : Marcia Allocco**

Lab No. : 0506117-008

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

Federal ID : 5111891

Client ID. : 19608-008

Collected : 6/3/2005

Point No:

Received : 6/3/2005 3:00:00 PM

Location:

Collected By CLIENT

**COMPOSITE (WELL 10-11-12)**

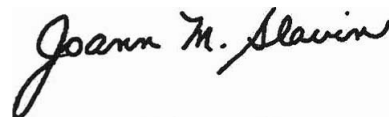
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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Dalapon	< 0.70		1	µg/L	200	E515.1	06/11/2005 9:56 PM
Dicamba	< 0.08		1	µg/L	50	E515.1	06/11/2005 9:56 PM
2,4-D	< 0.25		1	µg/L	50	E515.1	06/11/2005 9:56 PM
Pentachlorophenol	< 0.20		1	µg/L	1	E515.1	06/11/2005 9:56 PM
2,4,5-TP (Silvex)	< 0.13		1	µg/L	10	E515.1	06/11/2005 9:56 PM
Dinoseb	< 0.20		1	µg/L	7	E515.1	06/11/2005 9:56 PM
Picloram	< 0.60		1	µg/L	500	E515.1	06/11/2005 9:56 PM

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

Date Reported : 6/29/2005



Laboratory Manager

# H2M LABS, INC.

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

## LABORATORY RESULTS

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

Lab No. : 0506117-008

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

Federal ID : 5111891

Client ID. : 19608-008

Collected : 6/3/2005

Point No:

Received : 6/3/2005 3:00:00 PM

Location:

COMPOSITE (WELL 10-11-12)

Collected By CLIENT

Copy : Original

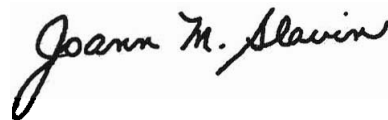
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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Endothall	< 50		1	ug/L	100	E548.1	06/09/2005 12:46 PM

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

Date Reported : 6/29/2005



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 : Marcia Allocco

Lab No. : 0506117-008

Sample Information...

Type : Potable Water

Origin: Raw Well

Federal ID : 5111891

Client ID. : 19608-008

Collected : 6/3/2005

Point No:

Received : 6/3/2005 3:00:00 PM

Location:

COMPOSITE (WELL 10-11-12)

Collected By CLIENT

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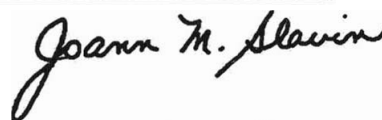
<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Diquat	< 1.0		1	µg/L	20	E549.1	06/07/2005 11:59 AM

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

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

D.F. = Dilution Factor

Date Reported : 6/29/2005



Laboratory Manager

**ATTACHMENT VI**  
**Brookhaven National Laboratory**  
**Potable Water Supply**  
**2005 Annual Inorganic and Nitrate/Nitrite Analyses**  
**for the BNL Potable Wells**



# 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 : Marcia Allocco

Lab No. : 0506117-010

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

Federal ID : 5111891

Client ID. : 19608-010

Collected : 6/3/2005 9:10:00 AM Point No: 093-07  
Received : 6/3/2005 3:00:00 PM Location: Well #6 Raw  
Collected By CLIENT

Copy : Original  
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Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Method Number	Analyzed
Barium	< 200		1	µg/L	2000	E200.7	06/21/2005 10:12 AM
Beryllium	< 3.0		1	µg/L	4	E200.7	06/21/2005 10:12 AM
Cadmium	< 5.0		1	µg/L	5	E200.7	06/21/2005 10:12 AM
Chromium	< 10		1	µg/L	100	E200.7	06/21/2005 10:12 AM
* Iron	* 2690		1		300	E200.7	06/21/2005 10:12 AM
Manganese	79.0		1	µg/L	300	E200.7	06/21/2005 10:12 AM
Nickel	< 40.0		1	µg/L	100	E200.7	06/21/2005 10:12 AM
Silver	< 10		1		100	E200.7	06/21/2005 10:12 AM
Sodium	12400		1	µg/L		E200.7	06/21/2005 10:12 AM
Zinc	37.0		1	µg/L	5000	E200.7	06/21/2005 10:12 AM
Arsenic	< 3.00		1	ug/l	50	E200.8	06/28/2005 9:44 AM
Lead	< 1.00		1	ug/l	15	E200.8	06/28/2005 9:44 AM
Selenium	< 5.00		1	ug/l	50	E200.8	06/28/2005 9:44 AM
Antimony	< 5.90		1	ug/l	6	E200.8	06/28/2005 9:44 AM
Thallium	< 1.90		1	ug/l	2	E200.8	06/28/2005 9:44 AM
Mercury	< 0.20		1	ug/l	2	E200.8	06/28/2005 9:44 AM
Cyanide	< 10		1	µg/L	200	M4500-CN CE	06/09/2005 12:48 PM

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

Date Reported : 6/29/2005

*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 : Marcia Allocco

Lab No. : 0506117-010

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

Federal ID : 5111891

Client ID. : 19608-010

Collected : 6/3/2005 9:10:00 AM

Point No: 093-07

Received : 6/3/2005 3:00:00 PM

Location: Well #6 Raw

Collected By CLIENT

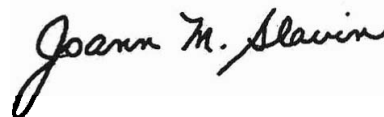
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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Chloride	22.4		1	mg/L	250	E325.2	06/07/2005 12:49 PM
* Color	* 30		1	units	15	E110.2	06/04/2005 11:08 AM
Specific Conductivity	126		1	µmhos/cm		M2510 B	06/08/2005 11:08 AM
Fluoride	< 0.10		1	mg/L	2.2	M4500F C	06/06/2005 10:50 AM
MBAS	< 0.08		1	mg/L		E425.1	06/04/2005 5:10 PM
Nitrogen, Ammonia (As N)	< 0.10		1	mg/L		E350.1	06/07/2005 10:55 AM
Nitrite as N	< 0.10		1	mg/L	1	E353.2	06/03/2005 8:09 AM
Nitrate as N	0.22		1	mg/L	10	E353.2	06/06/2005 4:05 PM
Odor	0		1	units	3	E140.1	06/04/2005 11:07 AM
pH	6.1		1	pH Units		E150.1	06/03/2005 5:17 PM
Sulfate	7.1		1	mg/L	250	E375.4	06/10/2005 1:08 PM
Turbidity	< 1.0		1	NTU		E180.1	06/04/2005 11:08 AM

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

Date Reported : 6/29/2005



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 : Marcia Allocco

Lab No. : 0506117-011

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

Federal ID : 5111891

Client ID. : 19608-011

Collected : 6/3/2005 9:00:00 AM Point No: 092-03

Received : 6/3/2005 3:00:00 PM Location: Well #7 Raw

Collected By CLIENT

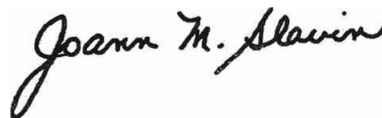
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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Barium	< 200		1	µg/L	2000	E200.7	06/21/2005 10:19 AM
Beryllium	< 3.0		1	µg/L	4	E200.7	06/21/2005 10:19 AM
Cadmium	< 5.0		1	µg/L	5	E200.7	06/21/2005 10:19 AM
Chromium	< 10		1	µg/L	100	E200.7	06/21/2005 10:19 AM
* Iron	* 2150		1	µg/L	300	E200.7	06/21/2005 10:19 AM
Manganese	74.1		1	µg/L	300	E200.7	06/21/2005 10:19 AM
Nickel	< 40.0		1	µg/L	100	E200.7	06/21/2005 10:19 AM
Silver	< 10		1	µg/L	100	E200.7	06/21/2005 10:19 AM
Sodium	14000		1	µg/L		E200.7	06/21/2005 10:19 AM
Zinc	< 20.0		1	µg/L	5000	E200.7	06/21/2005 10:19 AM
Arsenic	< 3.00		1	ug/l	50	E200.8	06/28/2005 9:51 AM
Lead	< 1.00		1	ug/l	15	E200.8	06/28/2005 9:51 AM
Selenium	< 5.00		1	ug/l	50	E200.8	06/28/2005 9:51 AM
Antimony	< 5.90		1	ug/l	6	E200.8	06/28/2005 9:51 AM
Thallium	< 1.90		1	ug/l	2	E200.8	06/28/2005 9:51 AM
Mercury	< 0.20		1	ug/l	2	E200.8	06/28/2005 9:51 AM
Cyanide	< 10		1	µg/L	200	M4500-CN CE	06/09/2005 12:49 PM

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

Date Reported : 6/29/2005



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 : Marcia Allocco

Lab No. : 0506117-011

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

Federal ID : 5111891

Client ID. : 19608-011

Collected : 6/3/2005 9:00:00 AM

Point No: 092-03

Received : 6/3/2005 3:00:00 PM

Location: Well #7 Raw

Collected By CLIENT

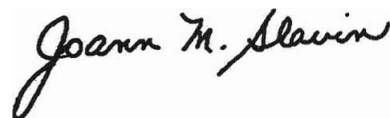
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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Chloride	25.5		1	mg/L	250	E325.2	06/07/2005 12:51 PM
Color	10		1	units	15	E110.2	06/04/2005 11:09 AM
Specific Conductivity	139		1	µmhos/cm		M2510 B	06/08/2005 11:09 AM
Fluoride	< 0.10		1	mg/L	2.2	M4500F C	06/06/2005 10:55 AM
MBAS	< 0.08		1	mg/L		E425.1	06/04/2005 5:11 PM
Nitrogen, Ammonia (As N)	< 0.10		1	mg/L		E350.1	06/07/2005 10:57 AM
Nitrite as N	< 0.10		1	mg/L	1	E353.2	06/03/2005 8:11 AM
Nitrate as N	0.28		1	mg/L	10	E353.2	06/06/2005 4:05 PM
Odor	0		1	units	3	E140.1	06/04/2005 11:08 AM
pH	6.1		1	pH Units		E150.1	06/03/2005 5:18 PM
Sulfate	11.2		1	mg/L	250	E375.4	06/10/2005 1:10 PM
Turbidity	< 1.0		1	NTU		E180.1	06/04/2005 11:09 AM

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

Date Reported : 6/29/2005



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 : Marcia Allocco

Lab No. : 0506117-012

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

Federal ID : 5111891

Client ID. : 19608-012

Collected : 6/3/2005 10:30:00 AM Point No: 055-09

Received : 6/3/2005 3:00:00 PM Location: Well #10 Raw

Collected By CLIENT

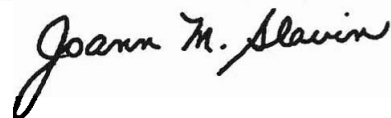
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Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Method Number	Analyzed
Barium	< 200		1	µg/L	2000	E200.7	06/21/2005 10:26 AM
Beryllium	< 3.0		1	µg/L	4	E200.7	06/21/2005 10:26 AM
Cadmium	< 5.0		1	µg/L	5	E200.7	06/21/2005 10:26 AM
Chromium	< 10		1	µg/L	100	E200.7	06/21/2005 10:26 AM
Iron	< 20.0		1	µg/L	300	E200.7	06/21/2005 10:26 AM
Manganese	< 10		1	µg/L	300	E200.7	06/21/2005 10:26 AM
Nickel	< 40.0		1	µg/L	100	E200.7	06/21/2005 10:26 AM
Silver	< 10		1	µg/L	100	E200.7	06/21/2005 10:26 AM
Sodium	8540		1	µg/L		E200.7	06/21/2005 10:26 AM
Zinc	< 20.0		1	µg/L	5000	E200.7	06/21/2005 10:26 AM
Arsenic	< 3.00		1	ug/l	50	E200.8	06/28/2005 9:58 AM
Lead	< 1.00		1	ug/l	15	E200.8	06/28/2005 9:58 AM
Selenium	< 5.00		1	ug/l	50	E200.8	06/28/2005 9:58 AM
Antimony	< 5.90		1	ug/l	6	E200.8	06/28/2005 9:58 AM
Thallium	< 1.90		1	ug/l	2	E200.8	06/28/2005 9:58 AM
Mercury	< 0.20		1	ug/l	2	E200.8	06/28/2005 9:58 AM
Cyanide	< 10		1	µg/L	200	M4500-CN CE	06/09/2005 12:50 PM

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

Date Reported : 6/29/2005



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 : Marcia Allocco

Lab No. : 0506117-012

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

Federal ID : 5111891

Client ID. : 19608-012

Collected : 6/3/2005 10:30:00 AM Point No: 055-09  
Received : 6/3/2005 3:00:00 PM Location: Well #10 Raw

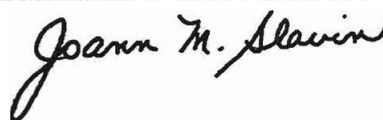
Collected By CLIENT

Copy : Original  
CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Chloride	14.4		1	mg/L	250	E325.2	06/07/2005 12:51 PM
Color	< 5		1	units	15	E110.2	06/04/2005 11:10 AM
Specific Conductivity	105		1	µmhos/cm		M2510 B	06/08/2005 11:10 AM
Fluoride	< 0.10		1	mg/L	2.2	M4500F C	06/06/2005 11:00 AM
MBAS	< 0.08		1	mg/L		E425.1	06/04/2005 5:12 PM
Nitrogen, Ammonia (As N)	< 0.10		1	mg/L		E350.1	06/07/2005 10:58 AM
Nitrite as N	< 0.10		1	mg/L	1	E353.2	06/03/2005 8:13 AM
Nitrate as N	0.30		1	mg/L	10	E353.2	06/06/2005 4:06 PM
Odor	0		1	units	3	E140.1	06/04/2005 11:09 AM
pH	6.5		1	pH Units		E150.1	06/03/2005 5:19 PM
Sulfate	6.9		1	mg/L	250	E375.4	06/10/2005 1:12 PM
Turbidity	< 1.0		1	NTU		E180.1	06/04/2005 11:10 AM

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

Date Reported : 6/29/2005



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 : Marcia Allocco

Lab No. : 0506117-009

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

Federal ID : 5111891

Client ID. : 19608-009

Collected : 6/3/2005 10:45:00 AM Point No: 056-19  
Received : 6/3/2005 3:00:00 PM Location: Well #11 Raw  
Collected By CLIENT

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Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Method Number	Analyzed
Barium	< 200		1	µg/L	2000	E200.7	06/21/2005 10:05 AM
Beryllium	< 3.0		1	µg/L	4	E200.7	06/21/2005 10:05 AM
Cadmium	< 5.0		1	µg/L	5	E200.7	06/21/2005 10:05 AM
Chromium	< 10		1	µg/L	100	E200.7	06/21/2005 10:05 AM
Iron	< 20.0		1	µg/L	300	E200.7	06/21/2005 10:05 AM
Manganese	< 10		1	µg/L	300	E200.7	06/21/2005 10:05 AM
Nickel	< 40.0		1	µg/L	100	E200.7	06/21/2005 10:05 AM
Silver	< 10		1	µg/L	100	E200.7	06/21/2005 10:05 AM
Sodium	13600		1	µg/L		E200.7	06/21/2005 10:05 AM
Zinc	< 20.0		1	µg/L	5000	E200.7	06/21/2005 10:05 AM
Arsenic	< 3.00		1	ug/l	50	E200.8	06/28/2005 9:37 AM
Lead	< 1.00		1	ug/l	15	E200.8	06/28/2005 9:37 AM
Selenium	< 5.00		1	ug/l	50	E200.8	06/28/2005 9:37 AM
Antimony	< 5.90		1	ug/l	6	E200.8	06/28/2005 9:37 AM
Thallium	< 1.90		1	ug/l	2	E200.8	06/28/2005 9:37 AM
Mercury	< 0.20		1	ug/l	2	E200.8	06/28/2005 9:37 AM
Cyanide	< 10		1	µg/L	200	M4500-CN CE	06/09/2005 12:47 PM

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

Date Reported : 6/29/2005

*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 : Marcia Allocco

Lab No. : 0506117-009

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

Federal ID : 5111891

Client ID. : 19608-009

Collected : 6/3/2005 10:45:00 AM Point No: 056-19

Received : 6/3/2005 3:00:00 PM Location: Well #11 Raw

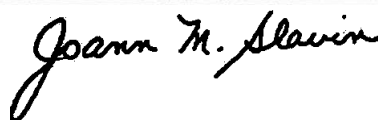
Collected By CLIENT

Copy : Original  
CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Chloride	20.5		1	mg/L	250	E325.2	06/07/2005 12:48 PM
Color	< 5		1	units	15	E110.2	06/04/2005 11:07 AM
Specific Conductivity	143		1	µmhos/cm		M2510 B	06/08/2005 11:07 AM
Fluoride	< 0.10		1	mg/L	2.2	M4500F C	06/06/2005 10:45 AM
MBAS	< 0.08		1	mg/L		E425.1	06/04/2005 5:09 PM
Nitrogen, Ammonia (As N)	< 0.10		1	mg/L		E350.1	06/07/2005 10:55 AM
Nitrite as N	< 0.10		1	mg/L	1	E353.2	06/03/2005 8:07 AM
Nitrate as N	0.58		1	mg/L	10	E353.2	06/06/2005 4:04 PM
Odor	0		1	units	3	E140.1	06/04/2005 11:06 AM
pH	6.3		1	pH Units		E150.1	06/03/2005 5:16 PM
Sulfate	8.8		1	mg/L	250	E375.4	06/10/2005 1:06 PM
Turbidity	< 1.0		1	NTU		E180.1	06/04/2005 11:07 AM

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

Date Reported : 6/29/2005



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 : Marcia Allocco

Lab No. : 0506117-008

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

Federal ID : 5111891

Client ID. : 19608-008

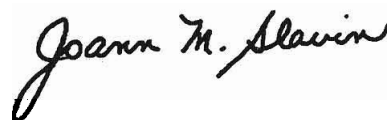
Collected : 6/3/2005 10:40:00 AM Point No: 056-20  
Received : 6/3/2005 3:00:00 PM Location: Well #12 Raw  
Collected By CLIENT

Copy : Original  
CC

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Barium	< 200		1	µg/L	2000	E200.7	06/21/2005 9:36 AM
Beryllium	< 3.0		1	µg/L	4	E200.7	06/21/2005 9:36 AM
Cadmium	< 5.0		1	µg/L	5	E200.7	06/21/2005 9:36 AM
Chromium	< 10		1	µg/L	100	E200.7	06/21/2005 9:36 AM
Iron	< 20.0		1	µg/L	300	E200.7	06/21/2005 9:36 AM
Manganese	< 10		1	µg/L	300	E200.7	06/21/2005 9:36 AM
Nickel	< 40.0		1	µg/L	100	E200.7	06/21/2005 9:36 AM
Silver	< 10		1	µg/L	100	E200.7	06/21/2005 9:36 AM
Sodium	12500		1	µg/L		E200.7	06/21/2005 9:36 AM
Zinc	< 20.0		1	µg/L	5000	E200.7	06/21/2005 9:36 AM
Arsenic	< 3.00		1	ug/l	50	E200.8	06/28/2005 9:09 AM
Lead	1.87		1	ug/l	15	E200.8	06/28/2005 9:09 AM
Selenium	< 5.00		1	ug/l	50	E200.8	06/28/2005 9:09 AM
Antimony	< 5.90		1	ug/l	6	E200.8	06/28/2005 9:09 AM
Thallium	< 1.90		1	ug/l	2	E200.8	06/28/2005 9:09 AM
Mercury	< 0.20		1	ug/l	2	E200.8	06/28/2005 9:09 AM
Cyanide	< 10		1	µg/L	200	M4500-CN CE	06/09/2005 12:46 PM

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

Date Reported : 6/29/2005



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 : Marcia Allocco

Lab No. : 0506117-008

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

Federal ID : 5111891

Client ID. : 19608-008

Collected : 6/3/2005 10:40:00 AM Point No: 056-20  
Received : 6/3/2005 3:00:00 PM Location: Well #12 Raw

Collected By CLIENT

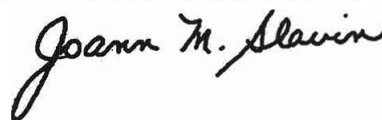
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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Chloride	22.8		1	mg/L	250	E325.2	06/07/2005 12:48 PM
Color	< 5		1	units	15	E110.2	06/04/2005 11:06 AM
Specific Conductivity	148		1	µmhos/cm		M2510 B	06/08/2005 11:06 AM
Fluoride	< 0.10		1	mg/L	2.2	<b>M4500F C</b>	<b>06/06/2005 10:40 AM</b>
MBAS	< 0.08		1	mg/L		E425.1	06/04/2005 5:08 PM
Nitrogen, Ammonia (As N)	< 0.10		1	mg/L		E350.1	06/07/2005 10:54 AM
Nitrite as N	< 0.10		1	mg/L	1	E353.2	06/03/2005 8:05 AM
Nitrate as N	0.52		1	mg/L	10	E353.2	06/06/2005 4:02 PM
Odor	0		1	units	3	E140.1	06/04/2005 11:05 AM
pH	6.1		1	pH Units		E150.1	06/03/2005 5:15 PM
Sulfate	7.6		1	mg/L	250	E375.4	06/10/2005 1:04 PM
Turbidity	< 1.0		1	NTU		E180.1	06/04/2005 11:06 AM

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

Date Reported : 6/29/2005



Laboratory Manager

**ATTACHMENT VII**

**Brookhaven National Laboratory**

**Potable Water Supply**

**2005 Third Quarter Bacteriological Analyses**

**for the BNL Potable Water Wells**

**and GAC/Air Stripper Treatment Systems**

**H2M LABS, INC.**

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

Brookhaven National Lab.-BNLM  
 70 Bell Ave.  
 Upton, NY 11973

Attn To : Marcia Allocco

Federal ID 5111891

Collected : 7/8/05 11:40:00 AM . Point No : 093-07

Received : 7/8/05 3:30:00 PM Location : Well #6 Raw

Collected By : CLIENT

Copy : PRELIMINARY REPORT

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**LABORATORY RESULTS**

Lab No. : 0507277-009A

Sample Information...

Type : Potable Water

Origin : Raw Well

Routine

Client ID. : 20891-009

<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		1		Negative	M9223	07/09/2005 12:00 PM
E_Coliform	Absent		1		Absent	M9223	07/09/2005 12:00 PM

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

Result(s) flagged with \* Exceed Regulatory Limit(s) Limit Flagged

D.F. = Dilution Factor

Date Reported :

**PRELIMINARY**

# 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.

Lab No. : 0507277-010A

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

Upton, NY 11973

Attn To : Marcia Allocco

Client ID. : 20891-010

Federal ID 5111891

Collected : 7/8/05 11:35:00 AM

Point No : 092-03

Received : 7/8/05 3:30:00 PM

Location : Well #7 Raw

Collected By : CLIENT

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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		1		Negative	M9223	07/09/2005 12:00 PM
E_Coliform	Absent		1		Absent	M9223	07/09/2005 12:00 PM

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

Result(s) flagged with \* Exceed Regulatory Limit(s) Limit(s) Exceeded

D.F. = Dilution Factor

Date Reported :

# PRELIMINARY

**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

Lab No. : 0507277-013A

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

Attn To : Marcia Allocco

Client ID. : 20891-013

Federal ID 5111891

Collected : 7/8/05 10:10:00 AM

Point No : 055-09

Received : 7/8/05 3:30:00 PM

Location : Well #10 Raw

Collected By : CLIENT

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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		1		Negative	M9223	07/09/2005 12:00 PM
E_Coliform	Absent		1		Absent	M9223	07/09/2005 12:00 PM

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

Result(s) flagged with \* Exceed Regulatory Limit(s) Limit(s) Exceeded

D.F. = Dilution Factor

Date Reported :

**PRELIMINARY**

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
 (631) 634-3040, FAX: (631) 420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

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

Lab No. : 0507277-011A

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

Federal ID : 5111891

Client ID. : 20891-011

Collected : 7/8/05 10:30:00 AM

Point No : 056-19

Received : 7/8/05 3:30:00 PM

Location : Well #11 Raw

Collected By : CLIENT

Copy : PRELIMINARY REPORT

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Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Method Number	Analyzed
Total Coliform	Negative		1		Negative	M9223	07/09/2005 12:00 PM
E_Coliform	Absent		1		Absent	M9223	07/09/2005 12:00 PM

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

Result(s) flagged with \* Exceed Regulatory Limit(s) or Limit(s) Not

D.F. = Dilution Factor

Date Reported

# PRELIMINARY

# 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 : Marcia Allocco

Lab No. : 0507277-012A

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

Federal ID 5111891

Client ID. : 20891-012

Collected : 7/8/05 10:40:00 AM

Point No : 056-20

Received : 7/8/05 3:30:00 PM

Location : Well #12 Raw

Collected By : CLIENT

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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		1		Negative	M9223	07/09/2005 12:00 PM
E_Coliform	Absent		1		Absent	M9223	07/09/2005 12:00 PM

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

# PRELIMINARY

Date Reported :



# 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 : Marcia Allocco

Lab No. : 0507277-014A

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

Federal ID 5111891

Client ID. : 20891-014

Collected : 7/8/05 12:30:00 PM

Point No : 073-20

Received : 7/8/05 3:30:00 PM

Location : Wtf Packed Tower 648

Collected By : CLIENT

Copy : PRELIMINARY REPORT

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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		1		Negative	M9223	07/09/2005 12:00 PM
E_Coliform	Absent		1		Absent	M9223	07/09/2005 12:00 PM

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

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

D.F. = Dilution Factor

Date Reported :

# PRELIMINARY

# H2M LABS, INC.

575 Broad Hollow Road, Melville NY 11747  
 (631) 694-2040 FAX: (631) 420-8436 NYSDOH ID# 10478

## LABORATORY RESULTS

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

Lab No. : 0507277-020A

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

Federal ID : 5111891

Client ID. : 20891-020

Collected : 7/8/05 10:15:00 AM

Point No : 055-36

Received : 7/8/05 3:30:00 PM

Location : Well #10 Gac Filter 654

Collected By : CLIENT

Copy : PRELIMINARY REPORT

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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		1		Negative	M9223	07/09/2005 12:00 PM
E_Coliform	Absent		1		Absent	M9223	07/09/2005 12:00 PM

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

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

Date Reported

# PRELIMINARY

# 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 : Marcia Allocco

Lab No. : 0507277-016A

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

Federal ID : 5111891 Client ID. : 20891-016  
 Collected : 7/8/05 10:35:00 AM Point No : 056-31  
 Received : 7/8/05 3:30:00 PM Location : Well #11 Gac Filter 655  
 Collected By : CLIENT  
 Copy : PRELIMINARY REPORT  
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<u>Parameter(s)</u>	<u>Results</u>	<u>Qualifier</u>	<u>D.F.</u>	<u>Units</u>	<u>Limit</u>	<u>Method Number</u>	<u>Analyzed</u>
Total Coliform	Negative		1		Negative	M9223	07/09/2005 12:00 PM
E_Coliform	Absent		1		Absent	M9223	07/09/2005 12:00 PM

Result(s) reported meet(s) Regulatory Limit(s). **PRELIMINARY**  
 Result(s) flagged with \* Exceed Regulatory Limit(s) Limit noted  
 D.F. = Dilution Factor  
 Date Reported :

# 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

Lab No. : 0507277-018A

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

Attn To : Marcia Allocco

Client ID. : 20891-018

Federal ID 5111891

Collected : 7/8/05 10:45:00 AM

Point No : 056-32

Received : 7/8/05 3:30:00 PM

Location : Well #12 Gac Filter 657

Collected By : CLIENT

Copy : PRELIMINARY REPORT

CC : Original

Parameter(s)	Results	Qualifier	D.F.	Units	Limit	Method Number	Analyzed
Total Coliform	Negative		1		Negative	M9223	07/09/2005 12:00 PM
E_Coliform	Absent		1		Absent	M9223	07/09/2005 12:00 PM

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

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

D.F. = Dilution Factor

Date Reported :

# PRELIMINARY