Department of Environmental Conservation

Division of Environmental Remediation

2004 O&M Report

Patton's Busy Bee Disposal Site
Town of Alfred, Allegany County
Site Number 9-02-014

February 2005

New York State Department of Environmental Conservation

2004 Operation and Maintenance Report

Patton's Busy Bee Disposal Site
Site #902014

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Table of Contents

Section I Executive Summary

In accordance with the 1996 Record of Decision for the Busy Bee Disposal site, the New York State Department of Environmental Conservation (NYSDEC), Region 9 Division of Environmental Remediation (DER) staff have performed the required Operation and Maintenance inspections of the landfill cap, sampling of monitoring wells and selected residential drinking water wells associated with the Busy Bee Landfill Disposal site as prescribed in the current Operation and Maintenance (O&M) Plan.

Site inspections in May and October 2004 examined the landfill cap, monitoring well integrity, and overall site conditions. The Site Inspection reports can be found in Appendix A.

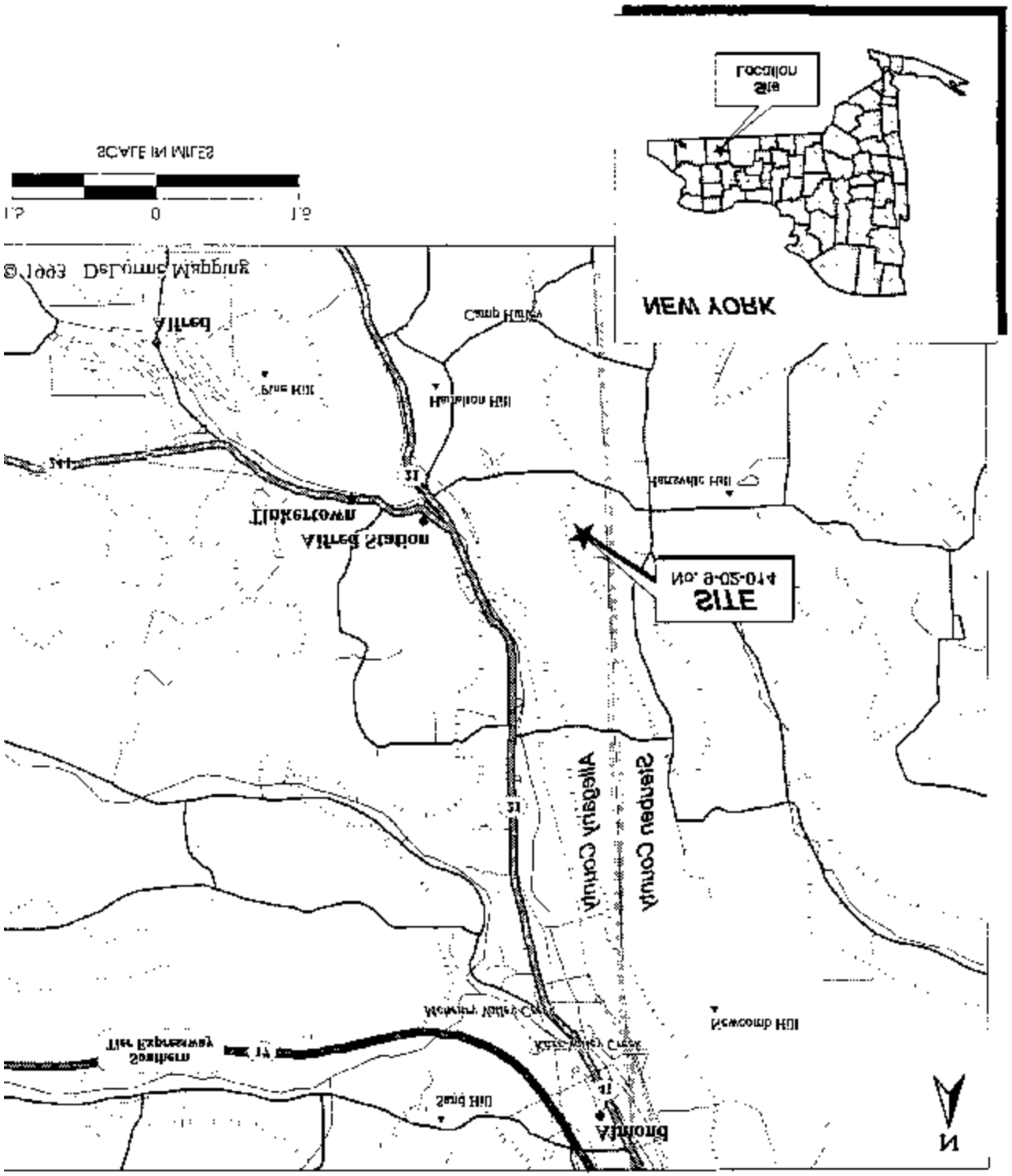
Originally, eight residential water supply wells were utilized periodically for off-site groundwater monitoring. Over the years, two new water supply wells were installed bringing the total to 10 residential water supply wells sampled as part of the Busy Bee O&M program. For the year 2004 monitoring, five of these ten wells were sampled by DEC staff on October 20, 2004. The results of the 2004 residential well sampling suggests that no impact from the former Busy Bee landfill can be detected in the drinking water supply wells. The NYSDEC sent letters to the residents regarding the recent sampling in December 2004. Copies of the letter can be found in Appendix B, while historical data for all residential wells sampled as part of the Busy Bee O&M program can be found in Appendix C. The NYSDEC is planning to phase out the residential water supply well sampling. The last residential water supply sample will be collected with the 2005 sampling event.

The site monitoring wells were purged on October 19, 2004 and sampled October 20, 2004 by DEC staff. Site monitoring well data does not indicate a significant off-site release or continued degradation of ground water quality. Historical data for all site monitoring wells sampled as part of the former Busy Bee O&M program can be found in Appendix D.

The site's four leachate collection tanks are checked by Region 9 Solid and Hazardous Waste staff and a log of leachate levels is being maintained. Leachate removal was performed by a NYSDEC Emergency Spill Remediation contractor Op-Tech Environmental Services Inc. During 2004, approximately 106,400 gallons of leachate were removed from the collection tanks and disposed at the City of Hornell Wastewater Treatment Plant. Leachate collection tank monitoring data and removal logs are found in Appendix E.

Mowing of the landfill cover was performed by NYSDEC Division of Operations during August 2004. All warning signs installed around the perimeter of the site are in place and undamaged. Site security continues to be a concern with occasional use by unknown persons on ATV's. The gate installed by the NYSDEC on the access road to the Busy Bee landfill site is intact and was locked during inspections.

Recommendations for the year 2005 include continuation of the leachate hauling program, final residential well sampling, monitoring well sampling and continuation of the general O&M activities that include mowing of the landfill cover and general maintenance of the site.



Site Location Map

Infrared Satellite Photo

Section II Site Inspection

Inspections of the Busy Bee landfill were conducted on June 1, 2004 and September 8, 2004 to satisfy the requirements of the Operation and Maintenance Manual (with addenda dated April 1999, March 2000, February 2001, February 2002 and February 2003).

In general, no significant problems were discovered that would impact the integrity of the landfill cover system or leachate management. There were no observed areas of erosion of the cover system nor observed breakouts of leachate on the side slopes of the landfill or the down gradient hill sides. The areas of previously observed leachate seeps were inspected and found to be clear of leachate. Site Inspection report is contained in Appendix A.

Section III Residential Water Supply Well Samples

On October 20, 2004 the scheduled selected residential water supply wells were sampled by the NYSDEC Region 9 Division of Environmental Remediation staff. Six wells were scheduled but only five were sampled. The home identified as D2 was not sampled as no one was present to grant access to the home to collect the sample. The home identified as D1A was sampled but the data can not be considered reliable. The well system at D1A was inoperable at the time of sample collection. Sample bottles were left with the homeowner for sample collection when the system is back in operation. The homeowner collected the samples and mailed the bottles to the NYSDEC. The sample data resulting from these samples are considered unreliable because the department can not verify where the sample was collected from, actual date of sample, samples not maintained at 4^0C and a lack of a valid chain of custody for the samples. The samples collected from the private wells were delivered to Severn Trent Laboratories in Tonawanda NY for analysis.

Inorganic compounds were detected in all drinking wells at various concentrations. Inorganic compounds are naturally occurring and are expected to be detected in groundwater.

No site related volatile organic compounds have been detected in the drinking water of the sampled water supply wells.

The data from the sampling of the residential wells was reviewed by the NYS DOH. Letters dated December 24, 2004 were sent to the owners of the residential wells tested. Copies of the NYSDEC transmittal letters can be found in Appendix B. The actual well sample data results are kept in the Region 9 office or the NYS DOH office and are available upon request and with the specific approval of the property owner.

The following Tables III-1 & III-2 are a summary of the data obtained from the October 2004 residential water supply well samples. Historical data for each well from 1997 to 2003 can be found in Appendix C.

The Record of Decision dated October 1996 required a residential drinking water supply sampling program for three years and an evaluation of the data collected. The NYSDEC has been collecting water from selected drinking water supplies for the past 8 years. No evidence of Patton's Busy Bee site related contaminants have been detected in any residential water supply wells during this monitoring program. Therefore, the NYSDEC plans to end the residential water supply wells testing. The following sampling schedule for the residential wells was changed by addendum to the O&M plan dated February 2003 and has been revised to include the new well locations:

Year	Residential Wells

After the year 2005 sampling event the residential well sampling program will end, unless sampling data indicates a need to continue the program past 2005.

Residential Well Sample Locations - October 2004

Sample #D1
XXXX Clark Rd.
Alfred Station, NY 14803

Sample #D1A
XXXX Clark Rd.
Alfred Station, NY 14803

Sample #D3
XXXX Clark Rd
Alfred Station, NY 14803

Sample #D5
XXXX Crosby Creek Rd
Hornell, New York 14843

Sample #D7
XXXX Hartsville Hill Rd.
Alfred Station, NY 14803

TABLE III-1
RESIDENTIAL WATER WELLS
VOLATILE ORGANIC COMPOUNDS
(ug/l)

Parameter	D1 10/20/04	D1A	D3 10/20/04	D3 - Dup 10/20/04	D5 10/20/04	D7 10/20/04	
Dichlorodifluoromethane	2U	*1U*	2U	2U	2U	2U	
Chloromethane	4U	*1U*	4U	4U	4U	4U	
Vinyl Chloride	3U	*1U*	3U	3U	3U	3U	
Chloroethane	2U	*1U*	2U	2U	2U	2U	
Bromomethane	3U	*1U*	3U	3U	3U	3U	
Trichlorofluormethane	2U	*1U*	2U	2U	2U	2U	
1,1-Dichloroethene	2U	*1U*	2U	2U	2U	2U	
Methylene Chloride	4U	*2U*	4U	4U	4U	4U	
Acetone	6U	*5U*	6U	6U	6U	6U	
Carbon disulfide	4U	*1U*	4U	4U	4U	4U	
1,1-Dichloroethane	2U	*1U*	2U	2U	2U	2U	
cis–1,2-Dichloroethene	2U	*1U*	2U	2U	2U	2U	
trans-1,2-Dichloroethene	3U	*1U*	3U	3U	3U	3U	
Methyl tert-butyl ether	2U	*1U*	2U	2U	2U	2U	
Chloroform	2U	*1U*	2U	2U	2U	2U	
1,2-Dichloroethane	1U	*1U*	1U	1U	1U	1U	
2-Butanone	4U	*5U*	4U	4U	4U	4U	
1,1,1-Trichloroethane	2U	*1U*	2U	2U	2U	2U	
Benzene	2U	*1U*	2U	2U	2U	2U	
Trichloroethene	2U	*1U*	2U	2U	2U	2U	
Bromodichloromethane	0.8U	*1U*	0.8U	0.8U	0.8U	0.8U	
Carbon tetrachloride	2U	*1U*	2U	2U	2U	2U	
cis-1,3-Dichloropropene	0.7U	*1U*	0.7U	0.7U	0.7U	0.7U	
Toluene	2U	*1U*	2U	2U	2U	2U	
Trans-1,3-dichloropropene	1U	*1U*	1U	1U	1U	1U	
1,1,2-trichloroethane	2U	*1U*	2U	2U	2U	2U	
1,2-dichloropropane	1U	*1U*	1U	1U	1U	1U	
Tetrachloroethene	3U	*1U*	3U	3U	3U	3U	
Dibromochloromethane	1U	*1U*	1U	1U	1U	1U	
1,2-dibromoethane	2U	*1U*	2U	2U	2U	2U	
Chlorobenzene	2U	*1U*	2U	2U	2U	2U	
1,1,2,2-tetrachloroethane	1U	*1U*	1U	1U	1U	1U	
Ethylbenzene	2U	*1U*	2U	2U	2U	2U	

Xylene (total)	2U	*3U*	2U	2U	2U	2U	

TABLE III-1 (cont)
RESIDENTIAL WATER WELLS
VOLATILE ORGANIC COMPOUNDS
(ug/l)

Parameter	D1 10/20/04	D1A	D3 10/20/04	D3 - Dup 10/20/04	D5 10/20/04	D7 10/20/04	
Styrene	2U	*1U*	2U	2U	2U	2U	
Isopropyl benzene	2U	*1U*	2U	2U	2U	2U	
Bromoform	1U	*1U*	1U	1U	1U	1U	
4-Methyl-2-pentanone	2U	*5U*	2U	2U	2U	2U	
2-Hexanone	3U	*5U*	3U	3U	3U	3U	
1,1,2-Trichloro-1,2,2-Triflourethane	1U	*1U*	1U	1U	1U	1U	
Cyclohexane	2U	*1U*	2U	2U	2U	2U	
Methylcyclohexane	2U	*1U*	2U	2U	2U	2U	
1,3-dichlorobenzene	2U	*1U*	2U	2U	2U	2U	
1,4-dichlorobenzene	2U	*1U*	2U	2U	2U	2U	
1,2-dichlorobenzene	2U	*1U*	2U	2U	2U	2U	
1,2-dibromo-3-chloropropane	3U	*1U*	3U	3U	3U	3U	
1,2,4-Trichlorobenzene	3U	*1U*	3U	3U	3U	3U	
Methyl Acetate	4U	*1U*	4U	4U	4U	4U	

U - Indicates compound was analyzed for, but not detected at or above the reporting limit
italics - Sample D1A data not reliable

Table III-2
RESIDENTIAL WATER WELLS
INORGANIC COMPOUNDS
(ug/l)

Parameter	D1 10/20/04	D1A	D3 10/20/04	D3 - Dup 10/20/04	D5 10/20/043	D7 10/20/04	
Aluminum	18.4U	*26.9B*	18.4U	NS	104B	18.4U	
Antimony	5.0U	*5.0U*	5.0	NS	5.0U	5.0U	
Arsenic	2.6U	*2.6U*	2.6U	NS	2.6U	2.6U	
Barium	80.1B	*148B*	233	NS	119B	48.0B	
Beryllium	0.19U	*0.19U*	0.19U	NS	0.19U	0.19U	
Cadmium	0.34U	*0.34U*	0.34U	NS	0.34U	0.34U	
Calcium	48400	*46100*	43800	NS	57000	51400	
Chromium	0.65U	*0.65U*	0.65U	NS	0.65U	0.65U	
Cobalt	0.86U	*0.86U*	0.86U	NS	0.86U	0.86U	
Copper	1.3U	*6.3B*	14.9B	NS	25.3	40.0	
Iron	16.5U	*81.5B*	16.5U	NS	16.5U	421	
Lead	1.3U	*3.7*	1.3U	NS	1.3U	6.2	
Magnesium	21300	*19500*	18000	NS	20100	20500	
Manganese	32	*656*	1.4B	NS	1.1B	353	
Nickel	1.2U	*1.3B*	1.2U	NS	1.2B	1.2U	
Potassium	2420	*2250B*	2430B	NS	2300B	2320B	
Selenium	5.0U	*5.0U*	5.0U	NS	5.0U	5.0U	
Silver	0.69U	*0.69U*	0.69U	NS	0.69U	0.69U	
Mercury	0.087U	*0.095U*	0.087U	NS	0.087U	0.087U	
Sodium	8630	*5770*	4600B	NS	10100	6950	
Thallium	5.1U	*5.1U*	5.1U	NS	5.1U	5.1U	
Vanadium	0.58U	*0.58U*	0.58U	NS	0.58U	0.58U	
Zinc	3.0B	*13.6B*	16.2B	NS	52.6	77.8	

U - Indicates compound was analyzed for, but not detected at or above the reporting limit
B - Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit
italics - Sample D1A data not reliable
NS -No sample collected

Section IV Site Monitoring Wells

On October 19th and 20th , 2004 the on-site monitoring wells were purged and sampled by the NYSDEC Region 9 Division of Environmental Remediation staff. Each well was purged by either a dedicated hand bailer or a Grundfos pump to remove stagnant water from the well casing and allow fresh formation water to enter the well.

Low levels of volatile organic compounds were detected in MW-101D, MW-103D, MW-103I, and MW-104I;

- Chlorobenzene at 6J [1]ug/l in MW-101D,
- Trichloroethene at 4J ug/l and Cis-1,2-Dichloroethene at 6J ug/l in MW-103D,
- Trichloroethene at 6J*ug/l and Cis-1,2-Dichloroethene at 8J ug/l in MW-103I,
- Trichloroethene at 7J ug/l and Cis-1,2-Dichloroethene at 10 ug/l in MW-104I,

The NYSDEC groundwater standard for Chlorobenzene, Trichloroethene, and cis-1,2-Dichloroethene is 5 ug/l. These compounds have been detected in previous sampling events at similar concentrations.

Inorganic compounds were detected in all monitoring wells at various concentrations. Inorganic compounds are naturally occurring and are expected to be detected in groundwater. However the following compounds were detected above the NYSDEC groundwater standards;

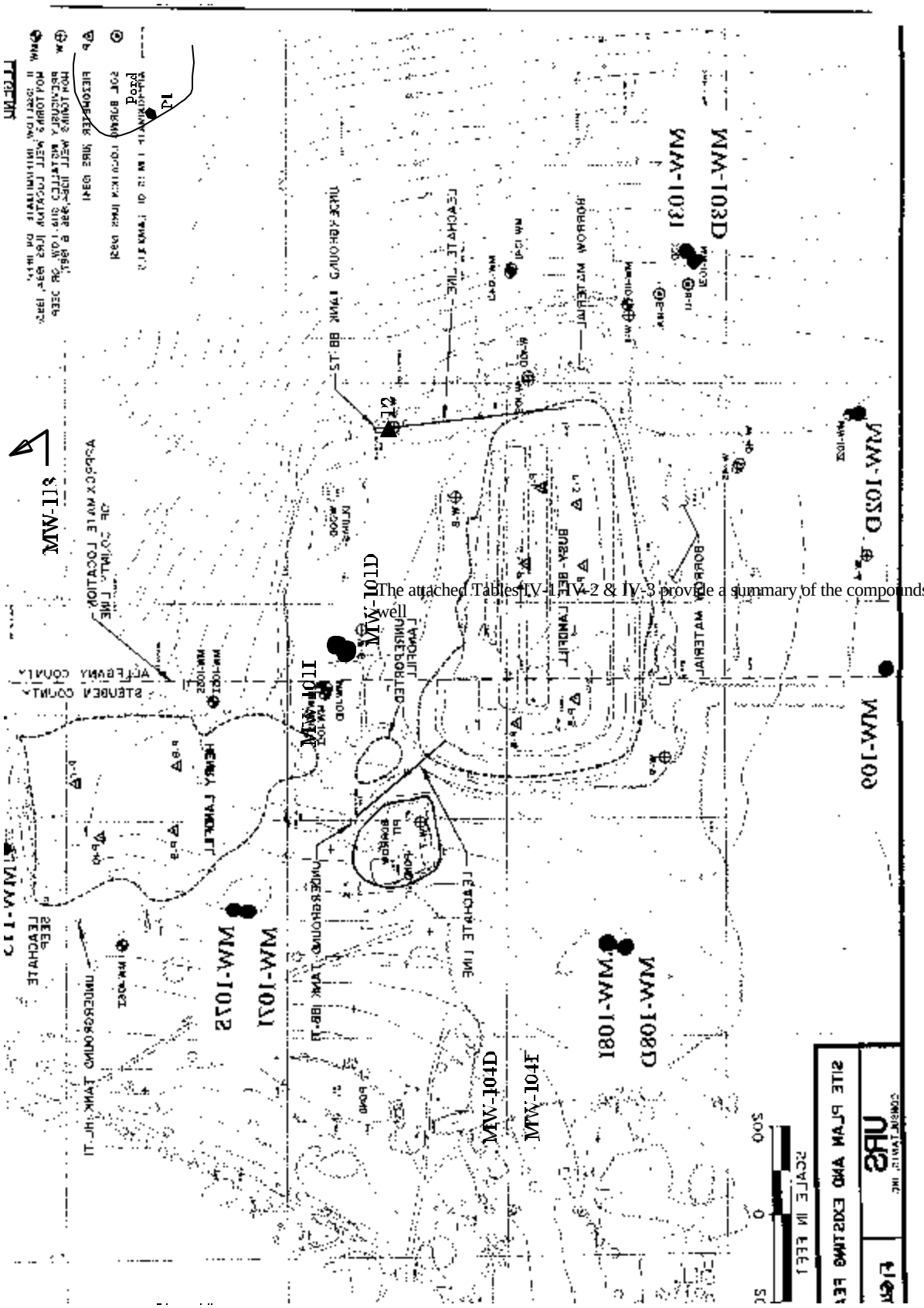
- Cadmium was detected in MW-102D at 7.5 ug/l. The cadmium standard is 5 ug/l.
- Iron exceeded groundwater standards in 7 monitoring wells ranging from 443 ug/l (MW-101D) to 12300 ug/l (MW-101I). The iron standard is 300 ug/l.
- Lead was detected in MW-107IR at 34.4 ug/l. The lead standard is 25 ug/l.
- Manganese exceeded groundwater standards in 5 monitoring wells ranging from 486 ug/l (MW-101I) to 6980 ug/l (MW-101D). The standard for manganese is 300 ug/l.
- Sodium was detected in MW-101D at 42700 ug/l. The sodium standard is 20,000 ug/l.

The attached Tables IV-1, IV-2 & IV-3 provide a summary of the compounds detected in each well. The actual laboratory data sheets are maintained in the NYSDEC Region 9 Buffalo office and are available for review if requested. Please refer to Appendix D for the Site Monitoring Well Historic Sampling data for each well from 1997 to 2003.

The next monitoring well sampling event will occur in the fall of 2005.

In addition to the monitoring well samples, a surface water and sediment sample from the small pond east of the leachate collection tanks BB-T1 were collected and analyzed for site related contaminants. The sample data results indicated no site related contaminants are present in the surface water. The attached Tables IV-4 & IV-5 provide sampling data for this pond.

[1] J - compound detected below sample quantitation limit



The attached Tables IV-1 IV-2 & IV-3 provide a summary of the compounds c well

Location of Long term Monitoring Wells

TABLE IV-1 MONITORING WELLS
VOLATILE ORGANIC COMPOUNDS (ug/l)

Parameter (Std/*guidance*)	**MW-101D 10/20/04**	**MW-101I 10/20/04**	**MW-102D 10/20/04**	**MW-103D 10/20/04**	**MW-103I 10/20/04**
Chloromethane	10U	10U	10U	10U	10U
Bromomethane (5.0)	10U	10U	10U	10U	10U
Vinyl chloride (2.0)	10U	10U	10U	10U	10U
Chloroethane (5.0)	10U	10U	10U	10U	10U
Methylene chloride (5.0)	10U	10U	10U	10U	10U
Acetone *(50 guidance)*	10U	10U	10U	10U	10U
Carbon disulfide	10U	10U	10U	10U	10U
1,1-Dichloroethene (5.0)	10U	10U	10U	10U	10U
1,1-Dichloroethane (5.0)	10U	10U	10U	10U	10U
Chloroform (7.0)	10U	10U	10U	10U	10U
1,2-Dichloroethane (0.6)	10U	10U	10U	10U	10U
2-Butanone	10U	10U	10U	10U	10U
1,1,1-Trichloroethane (5.0)	10U	10U	10U	10U	10U
Carbon tetrachloride (5.0)	10U	10U	10U	10U	10U
Bromodichloromethane *(50 guidance)*	10U	10U	10U	10U	10U
1,2-Dichloropropane (1.0)	10U	10U	10U	10U	10U
*cis-1,3-Dichloropropene (0.4)	10U	10U	10U	10U	10U
Trichloroethene (5.0)	10U	10U	10U	4J	6J
Dibromochloromethane *(50 guidance)*	10U	10U	10U	10U	10U
1,1,2-Trichloroethane (1.0)	10U	10U	10U	10U	10U
Benzene (1.0)	10U	10U	10U	10U	10U
*trans-1,3-Dichloropropene (0.4)	10U	10U	10U	10U	10U
Bromoform *(50 guidance)*	10U	10U	10U	10U	10U
4-Methyl-2-pentanone	10U	10U	10U	10U	10U
2-Hexanone *(50 guidance)*	10U	10U	10U	10U	10U
Tetrachloroethene (5.0)	10U	10U	10U	10U	10U
Toluene (5.0)	10U	10U	10U	10U	10U
1,1,2,2-Tetrachloroethane (5.0)	10U	10U	10U	10U	10U
Chlorobenzene (5.0)	6J	10U	10U	10U	10U
Ethylbenzene (5.0)	10U	10U	10U	10U	10U
Styrene (5.0)	10U	10U	10U	10U	10U
Xylene, total (5.0)	10U	10U	10U	10U	10U
Dichlorodifluoromethane (5.0)	10U	10U	10U	10U	10U
Trichlorofluoromethane (5.0)	10U	10U	10U	10U	10U
1,1,2-Trichloro-1,2,2-Trifluoroethane (5.0)	10U	10U	10U	10U	10U
trans -1,2-Dichloroethene (5.0)	10U	10U	10U	10U	10U

TABLE IV-1 (cont.) MONITORING WELLS
VOLATILE ORGANIC COMPOUNDS
(ug/l)

Parameter (Std/*guidance*)	**MW-101D 10/08/03**	**MW-101I 10/08/03**	**MW-102D 10/08/03**	**MW-103D 10/08/03**	**MW-103I 10/08/03**
Methyl tert-butyl ether	10U	10U	10U	10U	10U
cis-1,2-Dichloroethene (5.0)	10U	10U	10U	6J	8J
Cyclohexane	10U	10U	10U	10U	10U
Methylcyclohexane	10U	10U	10U	10U	10U
1,2-Dibromoethane (Ethylene dibromide)	10U	10U	10U	10U	10U
Isopropyl benzene (5.0)	10U	10U	10U	10U	10U
1,3-Dichlorobenzene (3.0)	10U	10U	10U	10U	10U
1,4-Dichlorobenzene (3.0)	10U	10U	10U	10U	10U
1,2-Dichlorobenzene (3.0)	10U	10U	10U	10U	10U
1,2-Dibromo-3-chloropropane (0.04)	100U	100U	100U	100U	100U
1,2,4-Trichlorobenzene (5.0)	10U	10U	10U	10U	10U
Methyl acetate	10U	10U	10U	10U	10U

U- compound not detected at indicated detection limit

J - compound detected below sample quantitation limit

Shaded areas indicate exceedence of NYSDEC groundwater standards

italics indicates guidance value

* cis-1,3-dichloropropene and trans-1,3-dichloropropene total not to exceed 0.40 ug/l

TABLE IV-1 (cont.) MONITORING WELLS
VOLATILE ORGANIC COMPOUNDS
(ug/l)

Parameter (Std/*guidance*)	**MW-104D 10/08/03**	**MW-104I 10/08/03**	**MW-107IR 10/08/03**	**MW-107SR 10/08/03**	**MW-108D 10/08/03**
Chloromethane	10U	10U	10U	10U	10U
Bromomethane (5.0)	10U	10U	10U	10U	10U
Vinyl chloride (2.0)	10U	10U	10U	10U	10U
Chloroethane (5.0)	10U	10U	10U	10U	10U
Methylene chloride (5.0)	10U	10U	10U	10U	10U
Acetone *(50 guidance)*	10U	10U	10U	10U	10U
Carbon disulfide	10U	10U	10U	10U	10U
1,1-Dichloroethene (5.0)	10U	10U	10U	10U	10U
1,1-Dichloroethane (5.0)	10U	10U	10U	10U	10U
Chloroform (7.0)	10U	10U	10U	10U	10U
1,2-Dichloroethane (0.6)	10U	10U	10U	10U	10U
2-Butanone	10U	10U	10U	10U	10U
1,1,1-Trichloroethane (5.0)	10U	10U	10U	10U	10U
Carbon tetrachloride (5.0)	10U	10U	10U	10U	10U
Bromodichloromethane *(50 guidance)*	10U	10U	10U	10U	10U
1,2-Dichloropropane (1.0)	10U	10U	10U	10U	10U
*cis-1,3-Dichloropropene (0.4)	10U	10U	10U	10U	10U
Trichloroethene (5.0)	10U	7J	10U	10U	10U
Dibromochloromethane *(50 guidance)*	10U	10U	10U	10U	10U
1,1,2-Trichloroethane (1.0)	10U	10U	10U	10U	10U
Benzene (1.0)	10U	10U	10U	10U	10U
*trans-1,3-Dichloropropene (0.4)	10U	10U	10U	10U	10U
Bromoform *(50 guidance)*	10U	10U	10U	10U	10U
4-Methyl-2-pentanone	10U	10U	10U	2J	10U
2-Hexanone *(50 guidance)*	10U	10U	10U	10U	10U
Tetrachloroethene (5.0)	10U	10U	10U	10U	10U
Toluene (5.0)	10U	10U	10U	10U	10U
1,1,2,2-Tetrachloroethane (5.0)	10U	10U	10U	10U	10U
Chlorobenzene (5.0)	10U	10U	10U	10U	10U
Ethylbenzene (5.0)	10U	10U	10U	10U	10U
Styrene (5.0)	10U	10U	10U	10U	10U
Xylene, total (5.0)	10U	10U	10U	10U	10U
Dichlorodifluoromethane (5.0)	10U	10U	10U	10U	10U
Trichlorofluoromethane (5.0)	10U	10U	10U	10U	10U
1,1,2-Trichloro-1,2,2-Trifluoroethane	10U	10U	10U	10U	10U
trans -1,2-Dichloroethene (5.0)	10U	10U	10U	10U	10U

TABLE IV-1 (cont.) MONITORING WELLS
VOLATILE ORGANIC COMPOUNDS
(ug/l)

Parameter (Std/*guidance*)	**MW-104D 10/08/03**	**MW-104I 10/08/03**	**MW-107IR 10/08/03**	**MW-107SR 10/08/03**	**MW-108D 10/08/03**
Methyl tert-butyl ether	10U	10U	10U	10U	10U
cis-1,2-Dichloroethene (5.0)	2J	10	10U	10U	10U
Cyclohexane	10U	10U	10U	10U	10U
Methylcyclohexane	10U	10U	10U	10U	10U
1,2-Dibromoethane (Ethylene	10U	10U	10U	10U	10U
Isopropylbenzene (5.0)	10U	10U	10U	10U	10U
1,3-Dichlorobenzene (3.0)	10U	10U	10U	10U	10U
1,4-Dichlorobenzene (3.0)	10U	10U	10U	10U	10U
1,2-Dichlorobenzene (3.0)	10U	10U	10U	10U	10U
1,2-Dibromo-3-chloropropane (0.04)	100U	100U	100U	100U	100U
1,2,4-Trichlorobenzene (5.0)	10U	10U	10U	10U	10U
Methyl acetate	10U	10U	10U	10U	10U

U- compound not detected

J - compound detected below sample quantitation limit

Shaded areas indicate exceedence of NYSDEC groundwater standards

italics indicates guidance value

* cis-1,3-dichloropropene and trans-1,3-dichloropropene total not to exceed 0.40 ug/l

TABLE IV-1 MONITORING WELLS
VOLATILE ORGANIC COMPOUNDS
(ug/l)

Parameter (Std/*guidance*)	**MW-108I 10/08/03**	**MW-109 10/08/03**	**MW-113 10/08/03**		
Chloromethane	10U	10U	10U		
Bromomethane (5.0)	10U	10U	10U		
Vinyl chloride (2.0)	10U	10U	10U		
Chloroethane (5.0)	10U	10U	10U		
Methylene chloride (5.0)	10U	10U	10U		
Acetone *(50 guidance)*	10U	10U	10U		
Carbon disulfide	10U	10U	10U		
1,1-Dichloroethene (5.0)	10U	10U	10U		
1,1-Dichloroethane (5.0)	10U	10U	10U		
Chloroform (7.0)	10U	10U	10U		
1,2-Dichloroethane (0.6)	10U	10U	10U		
2-Butanone	10U	10U	10U		
1,1,1-Trichloroethane (5.0)	10U	10U	10U		
Carbon tetrachloride (5.0)	10U	10U	10U		
Bromodichloromethane *(50 guidance)*	10U	10U	10U		
1,2-Dichloropropane (1.0)	10U	10U	10U		
*cis-1,3-Dichloropropene (0.4)	10U	10U	10U		
Trichloroethene (5.0)	10U	10U	10U		
Dibromochloromethane *(50 guidance)*	10U	10U	10U		
1,1,2-Trichloroethane (1.0)	10U	10U	10U		
Benzene (1.0)	10U	10U	10U		
*trans-1,3-Dichloropropene (0.4)	10U	10U	10U		
Bromoform *(50 guidance)*	10U	10U	10U		
4-Methyl-2-pentanone	10U	10U	10U		
2-Hexanone *(50 guidance)*	10U	10U	10U		
Tetrachloroethene (5.0)	10U	10U	10U		
Toluene (5.0)	10U	10U	10U		
1,1,2,2-Tetrachloroethane (5.0)	10U	10U	10U		
Chlorobenzene (5.0)	10U	10U	10U		
Ethylbenzene (5.0)	10U	10U	10U		
Styrene (5.0)	10U	10U	10U		
Xylene, total (5.0)	10U	10U	10U		
Dichlorodifluoromethane (5.0)	10U	10U	10U		
Trichlorofluoromethane (5.0)	10U	10U	10U		
1,1,2-Trichloro-1,2,2-Trifluoroethane (5.0)	10U	10U	10U		
trans -1,2-Dichloroethene (5.0)	10U	10U	10U		

TABLE IV-1 (cont.) MONITORING WELLS
VOLATILE ORGANIC COMPOUNDS
(ug/l)

Parameter (Std/*guidance*)	**MW-108I 10/20/04**	**MW-109 10/20/04**	**MW-113 10/20/04**		
Methyl tert-butyl ether	10U	10U	10U		
cis-1,2-Dichloroethene (5.0)	10U	10U	10U		
Cyclohexane	10U	10U	10U		
Methylcyclohexane	10U	10U	10U		
1,2-Dibromoethane (Ethylene dibromide)	10U	10U	10U		
Isopropylbenzene (5.0)	10U	10U	10U		
1,3-Dichlorobenzene (3.0)	10U	10U	10U		
1,4-Dichlorobenzene (3.0)	10U	10U	10U		
1,2-Dichlorobenzene (3.0)	10U	10U	10U		
1,2-Dibromo-3-chloropropane (0.04)	100U	100U	100U		
1,2,4-Trichlorobenzene (5.0)	10U	10U	10U		
Methyl acetate	10U	10U	10U		

U- compound not detected
J - compound detected below sample quantitation limit
Shaded areas indicate exceedence of NYSDEC groundwater standards
italics indicates guidance value
* cis-1,3-dichloropropene and trans-1,3-dichloropropene total not to exceed 0.40 ug/l

Tentatively Identified Compounds
ug/l

Parameter (Std/*guidance*)	**MW-101D 10/20/04**				
Chlorodiflouromethane	8JN				
Chlorofluoroemethane	5JN				
Ethyl Ether	19JN				

U- compound not detected
J - compound detected below sample quantitation limit
N - Indicates presumptive evidence of a compound

Table IV-2 MONITORING WELLS
INORGANIC COMPOUNDS
(ug/l)

Parameter (std/*guidance*)	**MW-101D** 10/20/04	**MW-101I** 10/20/04	**MW-102D** 10/20/04	**MW-103D** 10/20/04	**MW-103I** 10/20/04
Aluminum	18.4U	8730	104B	37.1B	323
Antimony (3)	5.0U	5.0U	5.0U	5.0U	5.0U
Arsenic (25)	4.9B	5.5B	2.6U	2.6U	2.6U
Barium (1000)	676	173	72.5B	59.9B	83.2B
Beryllium (3)	0.19U	0.19U	0.19U	0.19U	0.19U
Cadmium (5)	0.34U	0.42B	**7.5**	0.34U	0.36B
Calcium	120000	81100	41400	29200	30000
Chromium (50)	1.0B	7.5B	0.65U	0.65U	0.65U
Cobalt	3.4B	6.8B	0.86U	0.86U	0.86U
Copper (200)	3.8B	14.7B	3.2B	1.3U	1.7B
Iron (300)	**443**	**12300**	121	36.8B	258
Lead (25)	4.9	4.7	1.3U	1.3U	1.3U
Magnesium (*35,000 guidance*)	72500	36200	14000	11300	11300
Manganese (300)	**6980**	**486**	4.3B	3.2B	27
Mercury (0.7)	0.087U	0.087U	0.087U	0.087U	0.087U
Nickel (100)	7.2B	11.8B	2.0B	1.2U	1.2U
Potassium	10100	7720	2700B	1820B	1850B
Selenium (10)	5.0U	5.0U	5.0U	5.0U	5.0U
Silver (50)	0.69U	0.69U	0.69U	0.69U	0.69U
Sodium (20000)	**42700**	5880	3360	3620B	3580B
Thallium (*0.5 guidance*)	5.1U	5.1U	5.1U	5.1U	5.1U
Vanadium	0.58U	12.1B	0.58U	0.58U	0.58U
Zinc (*2000 guidance*)	1.9B	27.9	2.6B	0.81U	2.4B

U- not detected at or above detection limit
B - detected below contract required detection limit
N - Spiked sample recovery not within control limits
Shaded Area indicates exceedence of NYSDEC Ground Water Standards
NS - No Sample Collected, insufficient volume

Table IV-2 (cont) MONITORING WELLS
INORGANIC COMPOUNDS
(ug/l)

Parameter (std/*guidance*)	**MW-104D** 10/20/04	**MW-104I** 10/20/04	**MW-107IR** 10/20/04	**MW-107SR** 10/20/04	**MW-108D** 10/20/04
Aluminum	114B	133B	2430	113B	111B
Antimony (3)	5.0U	5.0U	5.0U	5.0U	5.0U
Arsenic (25)	2.6U	2.6U	4.1B	2.6U	2.6U
Barium (1000)	49.4B	60.7B	241	41.3B	121B
Beryllium (3)	0.19U	0.19U	0.19U	0.19U	0.19U
Cadmium (5)	1.3B	0.37B	0.66B	0.34U	0.79B
Calcium	46600	23700	62100	33400	30200
Chromium (50)	0.65U	0.65U	2.7B	0.65U	0.65U
Cobalt	0.86U	0.86U	16.7B	0.86U	0.86U
Copper (200)	5.3B	1.5B	17.8B	2.3B	2.1B
Iron (300)	147	136	**6000**	171	**660**
Lead (25)	1.3U	1.3U	**34.4**	1.3U	1.3U
Magnesium (*35,000 guidance*)	21800	5470	16700	7590	12700
Manganese (300)	8.8B	7.8B	**840**	**681**	291
Mercury (0.7)	0.087U	0.087U	0.087U	0.087U	0.087U
Nickel (100)	1.2U	1.2U	10.1B	3.8B	1.4B
Potassium	2610B	1370B	3870B	1280B	2200B
Selenium (10)	5.0U	5.0U	5.0U	5.0U	5.0U
Silver (50)	0.69U	0.69U	0.69U	0.69U	0.69U
Sodium (20000)	4510B	6940	6260	8860	3400B
Thallium *(0.5 guidance*)	5.1U	5.1U	5.1U	5.1U	5.1U
Vanadium	0.58U	0.58U	4.6B	0.71B	0.58U
Zinc *(2000 guidance)*	1.6B	1.6B	17.6B	1.8B	6.0B

U- not detected at or above detection limit
B - detected below contract required detection limit
N - Spiked sample recovery not within control limits
Shaded Area indicates exceedence of NYSDEC Ground Water Standards

Table IV-2 (cont) MONITORING WELLS
INORGANIC COMPOUNDS
(ug/l)

Parameter (std/*guidance*)	**MW-108I** 10/20/04	**MW-109** 10/20/04	**MW-113** 10/20/04		
Aluminum	462	18.4U	3280		
Antimony (3)	5.0U	5.0U	5.0U		
Arsenic (25)	2.6U	2.6U	4.4B		
Barium (1000)	69.4B	86.2B	77.5B		
Beryllium (3)	0.19U	0.19U	0.19U		
Cadmium (5)	0.49B	0.34U	0.34U		
Calcium	29400	22100	55500		
Chromium (50)	0.65U	0.65U	2.7B		
Cobalt	0.86U	0.86U	8.7B		
Copper (200)	1.9B	6.3B	14.5B		
Iron (300)	**509**	**513**	**6070**		
Lead (25)	1.3U	1.3U	11.0		
Magnesium (*35,000 guidance*)	13900	10100	22500		
Manganese (300)	13.7B	146	**499**		
Mercury (0.7)	0.087U	0.087U	0.087U		
Nickel (100)	1.2U	1.4B	6.4B		
Potassium	2830B	2230B	3900B		
Selenium (10)	5.0U	5.0U	5.0U		
Silver (50)	0.69U	0.69U	0.69U		
Sodium (20000)	3150B	3340B	3880B		
Thallium (*0.5 guidance*)	5.1U	5.1U	5.1U		
Vanadium	0.67B	0.58U	4.2B		
Zinc (*2000 guidance*)	2.8B	3.1B	12.7B		

U- not detected at or above detection limit
B - detected below contract required detection limit
N - Spiked sample recovery not within control limits
Shaded Area indicates exceedence of NYSDEC Ground Water Standards

TABLE IV-3 Pond 2Sediment Sample
Volatile Organic Compounds
(ug/kg)

Parameter	P2 10/20/04
Chloromethane	18U
Bromomethane	18U
Vinyl chloride	18U
Chloroethane	18U
Methylene chloride	18U
Acetone	22U
Carbon disulfide	18U
1,1-Dichloroethene	18U
1,1-Dichloroethane	18U
Chloroform	18U
1,2-Dichloroethane	18U
2-Butanone	18U
1,1,1-Trichloroethane	18U
Carbon tetrachloride	18U
Bromodichloromethane	18U
1,2-Dichloropropane	18U
*cis-1,3-Dichloropropene	18U
Trichloroethene	18U
Dibromochloromethane	18U
1,1,2-Trichloroethane	18U
Benzene	18U
*trans-1,3-Dichloropropene	18U
Bromoform	18U
4-Methyl-2-pentanone	18U
2-Hexanone	18U
Tetrachloroethene	18U
Toluene	18U
1,1,2,2-Tetrachloroethane	18U
Chlorobenzene	18U
Ethylbenzene	18U
Styrene	18U
Xylene, total	18U
Dichlorodifluoromethane	18U
Trichlorofluoromethane	18U
1,1,2-Trichloro-1,2,2-Trifluoroethane	18U

TABLE IV-3 (cont.) Pond 2Sediment Sample
Volatile Organic Compounds
(ug/kg)

Parameter	P2 10/20/04
trans -1,2-Dichloroethene	18U
Methyl tert-butyl ether	18U
cis-1,2-Dichloroethane	18U
Cyclohexane	18U
Methylcyclohexane	18U
1,2-Dibromoethane (Ethylene dibromide)	18U
Isopropyl benzene	18U
1,3-Dichlorobenzene	18U
1,4-Dichlorobenzene	18U
1,2-Dichlorobenzene	18U
1,2-Dibromo-3-chloropropane	18U
1,2,4-Trichlorobenzene	18U
Methyl acetate	18U

U- compound not detected

J - indicates an estimated value

TABLE IV-4 Pond 2 Surface Water Sample
Inorganic Compounds

(ug/l)

Parameter (standard/*guidance*)	**P2 10/20/04**
Aluminum (100)	18.4U
Antimony	5.0U
Arsenic (150)	2.6U
Barium	58.7U
Beryllium (*)	0.19U
Cadmium (*)	0.34U
Calcium	19000
Chromium (*)	0.65U
Cobalt (5)	0.86U
Copper (*)	2.2B
Iron (300)	197
Lead (*)	1.3U
Magnesium	6330
Manganese	35.9
Mercury (0.77)	0.087U
Nickel (*)	9.0B
Potassium	3510B
Selenium (4.6)	5.0U
Silver (0.1)	0.69U
Sodium	65700
Thallium (8)	5.1U
Vanadium (14)	0.58U
Zinc (*)	2.6B

U- not detected at or above detection limit
B - detected below contract required detection limit
E -Indicates an estimated value due to the presence of interference
N - Spiked sample recovery not within control limits
* Standard is hardness dependent

Section V Leachate Management

The leachate generated from the Patton's Busy Bee landfill is collected in four on site underground collection tanks. Staff from the Region 9 Division's of Solid and Hazardous Waste and Environmental Remediation monitor the leachate levels in the tanks.

Based on the results of the tank monitoring, leachate is removed by a contracted leachate hauler when the leachate levels reach at least 75% capacity of the tanks. During 2004, approximately 106,400 gallons of leachate were removed by Op-Tech Environmental Services Inc. from the collection tanks and disposed at the City of Hornell Wastewater Treatment plant.

The following tables provide information on the leachate monitoring and removal activities. A sample from leachate tank BB-T2S was collected on 10/20/04 and is summarized in Table V-1, V-2 and V-3. The actual data is located in the Region 9 office and will be provided upon request.

Please refer Appendix E for Leachate Collection Tank Monitoring and Leachate Removal Logs.

TABLE V-1 Leachate Collection Tank
Volatile Organic Compounds
(ug/l)

Parameter	BBT1S 10/20/04
Chloromethane	100U
Bromomethane	100U
Vinyl chloride	100U
Chloroethane	100U
Methylene chloride	100U
Acetone	100U
Carbon disulfide	100U
1,1-Dichloroethene	100U
1,1-Dichloroethane	100U
Chloroform	100U
1,2-Dichloroethane	100U
2-Butanone	100U
1,1,1-Trichloroethane	100U
Carbon tetrachloride	100U
Bromodichloromethane	100U
1,2-Dichloropropane	100U
*cis-1,3-Dichloropropene	100U
Trichloroethene	100U
Dibromochloromethane	100U
1,1,2-Trichloroethane	100U
Benzene	100U
*trans-1,3-Dichloropropene	100U
Bromoform	100U
4-Methyl-2-pentanone	100U
2-Hexanone	100U
Tetrachloroethene	100U
Toluene	100U
1,1,2,2-Tetrachloroethane	100U
Chlorobenzene	100U
Ethylbenzene	100U
Styrene	100U
Xylene, total	100U
Dichlorodifluoromethane	100U
Trichlorofluoromethane	100U
1,1,2-Trichloro-1,2,2-Trifluoroethane	100U

TABLE V-1 Leachate Collection Tank
Volatile Organic Compounds
(ug/l)

Parameter	BBT1S 10/20/04
trans -1,2-Dichloroethene	100U
Methyl tert-butyl ether	100U
cis-1,2-Dichloroethane	100U
Cyclohexane	100U
Methylcyclohexane	100U
1,2-Dibromoethane (Ethylene dibromide)	100U
Isopropyl benzene	100U
1,3-Dichlorobenzene	100U
1,4-Dichlorobenzene	100U
1,2-Dichlorobenzene	100U
1,2-Dibromo-3-chloropropane	1000U
1,2,4-Trichlorobenzene	100U
Methyl acetate	100U

U- compound not detected
J - indicates an estimated value

TABLE V-2 Leachate Collection Tank
Semi-volatile Organic Compounds
(ug/l)

Parameter	BB-T1S 10/20/04
Acenaphthene	9U
Acenaphthylene	9U
Anthracene	9U
Benzo (a) anthracene	9U
Benzo (g,h,i) perylene	9U
Benzo (a) pyrene	9U
Benzoic acid	47U
Benzyl alcohol	9U
bis (2-Chloroethoxy) methane	9U
bis (2-chloroethyl) ether	9U
bis (2-chloroisopropyl) ether	9U
bis (2-ethylhexyl)phthalate	9U
4-Bromophenylphenylether	9U
Butylbenzylphthalate	9U
4-Chloroaniline	9U
4-Chloro-3-methylphenol	9U
2-Chloronaphthalene	9U
2-Chlorophenol	9U
4-Chlorophenylphenylether	9U
Chrysene	9U
Dibenzo (a,h) anthracene	9U
Dibenzofuran	9U
di-n-Butylphthalate	9U
3,3'-Dichlorobenzidine	9U
2,4-Dichlorophenol	9U
Diethylphthalate	9U
2,4-Dimethylphenol	9U
Diethylphthalate	9U
2,4-Dimethylphenol	3J
Dimethylphthalate	9U
2-Methyl-4,6-dinitrophenol	24U
2,4-Dinitrophenol	24U
2,4-Dinitrotoluene	9U
2,6-Dinitrotoluene	9U

TABLE V-2 (cont) Leachate Collection Tank
Semi-volatile Organic Compounds
(ug/l)

Parameter	BB-T1S 10/20/04
di-n-Octylphthalate	9U
Fluoranthene	9U
Fluorene	9U
Hexachlorobenzene	9U
Hexachlorobutadiene	9U
Hexachlorocyclopentadiene	22U
Hexachloroethane	9U
Ideno (1,2,3-c,d) pyrene	9U
Isophorone	9U
2-Methylnaphthalene	9U
2-Methylphenol	9U
4-Methylphenol	9U
Naphthalene	9U
2-Nitroaniline	24U
3-Nitroaniline	24U
4-Nitroaniline	24U
Nitrobenzene	9U
2-Nitophenol	9U
4-Nitrophenol	24U
N-Nitrosodiphenylamine	9U
N-Nitroso-di-N-propylamine	9U
Pentachlorophenol	24U
Phenanthrene	9U
Phenol	9U
Pyrene	9U
2,4,5-Trichlorophenol	9U
2,4,6-Trichlorophenol	9U
Acetophenone	9U
Atrazine	9U
Benzaldehyde	9U
Biphenyl	9U
Caprolactam	9U

TABLE V-3 Leachate Collection Tank
Inorganic Compounds
(ug/l)

Parameter	BB-T1S 10/20/04
Aluminum	37.6B
Antimony	5.0U
Arsenic	2.8B
Barium	420
Beryllium	0.19U
Cadmium	0.34U
Calcium	48800
Chromium	23.8
Cobalt	3.6B
Copper	6.1B
Iron	7570
Lead	8.1
Magnesium	25000
Manganese	1200
Mercury	0.087U
Nickel	129
Potassium	28300B
Selenium	5.0U
Silver	0.69U
Sodium	685000
Thallium	5.1U
Vanadium	3.0B
Zinc	12.4B

U- not detected at or above detection limit
B - detected below contract required detection limit

E -Indicates an estimated value due to the presence of interference
N - Spiked sample recovery not within control limits

TABLE V-4 Leachate Collection Tank
Pesticides Analysis
(ug/l)

Parameter	BBT1S 10/20/04
alpha-BHC	0.048U
beta-BHC	0.048U
delta-BHC	0.095
gamma-BHC (Lindane)	0.048U
Heptachlor	0.039J
Aldrin	0.048U
Heptachlor epoxide	0.048U
Endosulfan	0.097U
Dieldrin	0.097U
4,4'-DDE	0.097U
Endrin	0.065J
Endosulfan II (Beta)	0.033J
4,4'-DDD	0.024J
Endosulfan sulfate	0.097U
4,4'-DDT	0.097U
Methoxychlor	0.48U
Endrin ketone	0.097U
Endrin aldehyde	0.19U
Chlordane (alpha & gamma)	0.048U
Chlordane (alpha & gamma)	0.048U
Toxaphene	0.97U

Section VI Status of Previous Recommendations

As recommended in the 1998 O&M Report for the Busy Bee Disposal Site the removal of the leachate collected on site is continuing. This is being accomplished by using a NYSDEC Spill Remediation contractor.

Five of the ten designated residential drinking water wells were sampled and the data has been reviewed by the NYS DOH. All on-site monitoring wells were sampled and the data has been evaluated.

Two semi-annual inspections of the landfill were conducted in June and September 2004.

The landfill cover was mowed in August 2004.

Most of the warning signs are still in-place along the perimeter of the site to warn hikers and hunters of the presence of the Busy Bee Hazardous Waste Landfill.

Leachate from the Henry landfill continues to flow into the local road side ditches during wet weather conditions. This landfill is not part of the Patton's inactive hazardous waste site.

Samples were collected from the pond adjacent to the former Busy Bee landfill and the results indicate that no site related contaminants were detected.

Section VII 2005 Recommendations

The following activities are recommended for the 2005 Operation and Maintenance Year:

- The removal of leachate on an as needed basis must continue to ensure the landfill is maintained in as dry as state as possible. The buildup of leachate during the period prior to the RI investigation is suspected as the cause of the groundwater contamination associated with the Busy Bee Landfill.

- Sampling of the selected residential drinking water wells in accordance with the following schedule:

Year	**Residential Wells**
2005	D1A, D1, D2, D4, D6, D8 & D9

  After the completion of the this years sampling event, the sampling of private water supply wells will be discontinued, unless sampling data indicates a need to continue the program past 2005.

- Sampling of the on-site monitoring wells must continue to evaluate the effectiveness of the landfill cap and leachate collection system. Samples from MW-107 cluster shall be collected for both filtered and unfiltered inorganic analysis.

- Continuation of the Semi-annual inspections of the landfill.

- The landfill cap will require mowing, minor repair of animal burrows and general maintenance of the site. The mowing will be accomplished in the fall of 2005.

- The Henry Landfill, located directly north of the Busy Bee and not part of this O&M activity, should be maintained to eliminate leachate that continues to seep from the landfill along the northern perimeter and flows into the drainage ditches along Clark Road.

- Collect leachate sample from the collection tank located on the Henry landfill for volatile organic and inorganic compound analysis.

Section VIII Conclusions

The inspection, leachate removal activities, monitoring well and private well sampling have been performed in accordance with the O&M Plan developed for this site. The analysis of data collected indicate that there is no evidence of migration of site related compounds from the Busy Bee Landfill area into the surrounding properties. The NYSDEC has concluded that the private wells sampled as part of this project have not been impacted by site related compounds.

REFERENCES

NYSDEC, 1994, Technical Guidance for Screening Contaminated Sediments: New York State Department of Environmental Conservation Division of Fish and Wildlife, Albany, New York, 36p.

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NYSDEC, 1998, Division of Water Technical and Operational Guidance Series (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations

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Appendix A

Semi-annual Inspection Reports

PATTON'S BUSY BEE DISPOSAL SITE
Alfred Station, New York
SITE NO. 9-02-014

SITE INSPECTION FORM

Name of Inspector: Brian P. Sadowski
Title: Senior L.C.T.F. Operator

Date of Inspection: June 1, 2004

1. Leachate tanks being monitored regularly: **O** Yes **G** No
   Date of last tank inspection: June 1, 2004

2. Access road condition: **G** Good **G** Fair **G** Poor

   Comments: Fair to Poor. Leachate tanks accessible. Perimeter soft and muddy.

3. Vegetative cover: **O** Good **G** Fair **G** Poor

   Comments:

4. Woody plants present on cap: **G** Yes **O** No

5. Mowing required: **O** Yes **G** No

6. Condition of gas vents: **O** Unobstructed **G** Obstructed **G** Damaged **G** Missing

   If damaged, describe:

7. Erosion of cap: **O** None **G** Minor **G** Needs Repair

   Comments: Erosion not observed. Vegetation stabilizing.

8. Evidence of ponded water on cap: **G** None **G** Suspected **O** Observed
   Comments: Ponded water observed in depression between highest of two cap elevations

9. Evidence of animal burrows on cap: **G** No **O** Yes
   Observed at MH #3.

10. Leachate seeps observed on cap: **O** No **G** Yes
    If yes, indicate location(s) on site map. Describe appearance:

11. Other leachate seeps observed (not on cap): **O** No **G** Yes
Comments:

12. Litter present on or around landfill: **G** No **O** Yes
Comments: Two abandoned cars. Bottles and cans off BBT1 access road.

13. Condition of monitoring wells. *Inspect each well and check boxes below as completed. All wells should be secured and locked. If damaged, identify well number and describe damage*:

- ■ MW-101I
- ■ MW-101D
- ■ MW-102D
- ■ MW-103I
- ■ MW-103D
- ■ MW-104I
- ■ MW-104D
- ■ MW-107S
- ■ MW-107I
- ■ MW-108I
- ■ MW-108D
- ■ MW-109
- ■ MW-113

Additional Comments:

Gate was found closed and locked.
OP-TECH Environmental continues to pump out leachate as the Department requests. Loads are discharged at the POTW in Hornell.
Access roads to leachate tanks BBT1 and BBT2; good. Perimeter road fair to poor. Not likely passable at the southwestern and south central part of the site due to persistent rain events.
One Inactive Hazardous Waste Landfill Caution sign missing. All others present.
Cap, berms and borrow pit excavation piles being used for ATV recreation at times.

Distribution:

Mr. Michael Hinton

Attachment: Photos

Access Rd. To Clark Rd.

Access Road To Gate

Access To BBT2

ATV Trail

Cap Top & Vents

Cap Viewing North

Cap Viewing South

Cap Viewing Southwest

Cap, Shed, Power Lines

MW-107 S&I R

Road To BBT2

PATTON'S BUSY BEE DISPOSAL SITE
Alfred Station, New York
SITE NO. 9-02-014

SITE INSPECTION FORM

Name of Inspector: Brian P. Sadowski
Title: Senior L.C.T.F. Operator

Date of Inspection: September 8, 2004. Weather: Overcast. Drizzle. Temperature: 65-70 F.

1. Leachate tanks being monitored regularly: **O** Yes **G** No
   Date of last tank inspection: September 8, 2004

2. Access road condition: **O** Good **G** Fair **G** Poor

   Comments: Dry and Firm.

3. Vegetative cover: **O** Good **G** Fair **G** Poor

   Comments:

4. Woody plants present on cap: **G** Yes **O** No

5. Mowing required: **G** Yes **O** No

6. Condition of gas vents: **O** Unobstructed **G** Obstructed **G** Damaged **G** Missing

   If damaged, describe:

7. Erosion of cap: **O** None **G** Minor **G** Needs Repair

   Comments: Erosion not observed. Vegetation stabilizing.

8. Evidence of ponded water on cap: **O** None **G** Suspected **G** Observed
   Comments:

9. Evidence of animal burrows on cap: **G** No **O** Yes
   Observed at MH #3.

10. Leachate seeps observed on cap: **O** No **G** Yes
    If yes, indicate location(s) on site map. Describe appearance:

11. Other leachate seeps observed (not on cap): **O** No **G** Yes
Comments:

12. Litter present on or around landfill: **G** No **O** Yes
Comments: Two abandoned cars.

13. Condition of monitoring wells. *Inspect each well and check boxes below as completed. All wells should be secured and locked. If damaged, identify well number and describe damage*:

- ■ MW-101I
- ■ MW-101D
- ■ MW-102D
- ■ MW-103I
- ■ MW-103D
- ■ MW-104I
- ■ MW-104D
- ■ MW-107S
- ■ MW-107I
- ■ MW-108I
- ■ MW-108D
- ■ MW-109
- ■ MW-113

Additional Comments:

Gate was found closed and locked.
OP-TECH Environmental continues to pump out leachate as the Department requests. Loads are discharged at POTW; Hornell. Tanks were empty.
Access roads to leachate tanks BBT1 and BBT2; good. Perimeter road; good.
Cap, berms and borrow pit excavation piles being used for ATV recreation at times.

Distribution:
Mr. Michael Hinton

Attachment: Photos

Access BBT1 To Gate.JPG

Access BBT2 Lower.JPG

Access BBT2 Upper.JPG

Access to LF.JPG

Access to MW 113.JPG

Acess To BBT1.JPG

Acess To Clark Rd.

ATV Trail.JPG

BBT1 Empty.JPG

BBT2 Empty.JPG

LF Vegetation 1.JPG

LF Vegetation 2.JPG

LF Vegetation 3.JPG

MW 101 S,I,&D.JPG

Appendix B

Private Water Supply Transmittal Letters

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 9
270 Michigan Avenue, Buffalo, New York, 14203-2999
Phone: (716) 851-7220 FAX: (716) 851-7226

Erin M. Crotty
Commissioner

December 22, 2004

Sample Location D1

Dear XXXX:

Patton's Busy Bee Disposal Site
Site No. 902014
Residential Well Sampling

On October 20, 2004 representatives of the New York State Department of Environmental Conservation (NYSDEC) collected a water sample from your drinking water well. The sample was analyzed for volatile organic compounds and inorganic (metals) compounds at Severn Trent Laboratory in Amherst New York.

This water sample was collected and analyzed to determine if any contaminates from the nearby former Patton's Busy Bee Disposal site are adversely affecting drinking water quality at your home. A review of the data indicates that no contaminants related to the former Patton Bee Disposal site were detected.

Enclosed for your reference is a copy of the analytical data received from your sample. If you have any questions regarding the data or the suitability of your well water for drinking purposes please call Ms. Charlotte Bethoney of the NYS DOH toll free at 1-800-458-1158 ext 27860.

Thank you for your cooperation with our long term monitoring and maintenance program of the former Patton's Busy Disposal Site. If you have any questions regarding this sampling and would like to discuss this further please do not hesitate to call me at (716)851-7220.

Sincerely,

Michael J. Hinton, P.E.
Environmental Engineer II
Division of Environmental Remediation
Region 9

MJH:lej

cc: Mr. Daniel King, P.E. Division of Environmental Remediation Region 9
Mr. Brian Sadowski, Division of Environmental Remediation Region 9
Ms. Charlotte Bethoney, New York State Department of Health

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 9
270 Michigan Avenue, Buffalo, New York, 14203-2999
Phone: (716) 851-7220 FAX: (716) 851-7226

Erin M. Crotty
Commissioner

December 22, 2004

Sample Location D1A

Dear XXXX:

Patton's Busy Bee Disposal Site
Site No. 902014
Residential Well Sampling

On October 20, 2004 representatives of the New York State Department of Environmental Conservation (NYSDEC) attempted to collect a water sample from your drinking water well. However due to well pump problems we were unable to collect the sample at that time. Sample jars were left with you for filling by you when your well was repaired. We received the samples from you on October 26, 2004 and sent the sample to the testing laboratory. The sample was analyzed for volatile organic compounds and inorganic (metals) compounds at Severn Trent Laboratory in Amherst New York.

This water sample was collected and analyzed to determine if any contaminates from the nearby former Patton's Busy Bee Disposal site are adversely affecting drinking water quality at your home. A review of the data indicates that no contaminants related to the former Patton Bee Disposal site were detected. This result is consistent with previous sample data, however, the results from this years sample are questionable because the holding time between sample collection and analysis was exceeded

Enclosed for your reference is a copy of the analytical data received from your sample. If you have any questions regarding the data or the suitability of your well water for drinking purposes please call Ms. Charlotte Bethoney of the NYS DOH toll free at 1-800-458-1158 ext 27860.

Thank you for your cooperation with our long term monitoring and maintenance program of the former Patton's Busy Disposal Site. If you have any questions regarding this sampling and would like to discuss this further please do not hesitate to call me at (716)851-7220.

Sincerely,

Michael J. Hinton, P.E.
Environmental Engineer II
Division of Environmental Remediation
Region 9

MJH:lej

cc: Mr. Daniel King, P.E. Division of Environmental Remediation Region 9
Mr. Brian Sadowski, Division of Environmental Remediation Region 9
Ms. Charlotte Bethoney, New York State Department of Health

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 9
270 Michigan Avenue, Buffalo, New York, 14203-2999
Phone: (716) 851-7220 FAX: (716) 851-7226

Erin M. Crotty
Commissioner

December 22, 2004

Sample Location D3

Dear XXXX:

Patton's Busy Bee Disposal Site
Site No. 902014
Residential Well Sampling

On October 20, 2004 representatives of the New York State Department of Environmental Conservation (NYSDEC) collected a water sample from your drinking water well. The sample was analyzed for volatile organic compounds and inorganic (metals) compounds at Severn Trent Laboratory in Amherst New York.

This water sample was collected and analyzed to determine if any contaminates from the nearby former Patton's Busy Bee Disposal site are adversely affecting drinking water quality at your home. A review of the data indicates that no contaminants related to the former Patton Bee Disposal site were detected.

Enclosed for your reference is a copy of the analytical data received from your sample. If you have any questions regarding the data or the suitability of your well water for drinking purposes please call Ms. Charlotte Bethoney of the NYS DOH toll free at 1-800-458-1158 ext 27860.

This sampling event at your home is the last planned sampling of your home drinking water. Since November 1997, your drinking water well has been sampled six times. The sampling data from all previous NYSDEC sampling events are attached for your records.

Please be assured that the long term monitoring of the former Busy Bee landfill will continue indefinitely with periodic inspections, leachate removal and disposal, and annual groundwater sampling. Annual reports of our activities at the landfill can be reviewed at the Town of Alfred Town Clerks office.

Thank you for your cooperation with our long term monitoring and maintenance program of the former Patton's Busy Disposal Site. If you have any questions regarding this sampling and would like to discuss this further please do not hesitate to call me at (716)851-7220.

Sincerely,

Michael J. Hinton, P.E.
Environmental Engineer II
Division of Environmental Remediation
Region 9

MJH:lej

cc: Mr. Daniel King, P.E. Division of Environmental Remediation Region 9
Mr. Brian Sadowski, Division of Environmental Remediation Region 9
Ms. Charlotte Bethoney, New York State Department of Health

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 9
270 Michigan Avenue, Buffalo, New York, 14203-2999
Phone: (716) 851-7220 FAX: (716) 851-7226

Erin M. Crotty
Commissioner

December 22, 2004

Sample Location D5

Dear XXXX:

Patton's Busy Bee Disposal Site
Site No. 902014
Residential Well Sampling

On October 20, 2004 representatives of the New York State Department of Environmental Conservation (NYSDEC) collected a water sample from your drinking water well. The sample was analyzed for volatile organic compounds and inorganic (metals) compounds at Severn Trent Laboratory in Amherst New York.

This water sample was collected and analyzed to determine if any contaminates from the nearby former Patton's Busy Bee Disposal site are adversely affecting drinking water quality at your home. A review of the data indicates that no contaminants related to the former Patton Bee Disposal site were detected.

Enclosed for your reference is a copy of the analytical data received from your sample. If you have any questions regarding the data or the suitability of your well water for drinking purposes please call Ms. Charlotte Bethoney of the NYS DOH toll free at 1-800-458-1158 ext 27860.

This sampling event at your home is the last planned sampling of your home drinking water. Since July 1995, your drinking water well has been sampled seven times. The sampling data from all previous NYSDEC sampling events are attached for your records.

Please be assured that the long term monitoring of the former Busy Bee landfill will continue indefinitely with periodic inspections, leachate removal and disposal, and annual groundwater sampling. Annual reports of our activities at the landfill can be reviewed at the Town of Alfred Town Clerks office.

Thank you for your cooperation with our long term monitoring and maintenance program of the former Patton's Busy Disposal Site. If you have any questions regarding this sampling and would like to discuss this further please do not hesitate to call me at (716)851-7220.

Sincerely,

Michael J. Hinton, P.E.
Environmental Engineer II
Division of Environmental Remediation
Region 9

MJH:lej

cc: Mr. Daniel King, P.E. Division of Environmental Remediation Region 9
Mr. Brian Sadowski, Division of Environmental Remediation Region 9
Ms. Charlotte Bethoney, New York State Department of Health

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 9
270 Michigan Avenue, Buffalo, New York, 14203-2999
Phone: (716) 851-7220 FAX: (716) 851-7226

Erin M. Crotty
Commissioner

December 22, 2004

Sample Location D7

Dear XXXX:

Patton's Busy Bee Disposal Site
Site No. 902014
Residential Well Sampling

On October 20, 2004 representatives of the New York State Department of Environmental Conservation (NYSDEC) collected a water sample from your drinking water well. The sample was analyzed for volatile organic compounds and inorganic (metals) compounds at Severn Trent Laboratory in Amherst New York..

This water sample was collected and analyzed to determine if any contaminates from the nearby former Patton's Busy Bee Disposal site are adversely affecting drinking water quality at your home. A review of the data indicates that no contaminants related to the former Patton Bee Disposal site were detected.

Enclosed for your reference is a copy of the analytical data received from your sample. Inorganic analysis indicated that iron and manganese were detected slightly above standards. The standard for iron and manganese are 300 ug/l with the total of iron and manganese not to exceed 500 ug/l. While the levels detected in your drinking water (iron at 421 ug/l and manganese at 353 ug/l) do not represent an adverse health risk, they may cause unsightly stains on your fixtures. If you have any questions regarding the data or the suitability of your well water for drinking purposes please call Ms. Charlotte Bethoney of the NYS DOH toll free at 1-800-458-1158 ext 27860.

This sampling event at your home is the last planned sampling of your home drinking water. Since 2000 your drinking water well has been sampled four times. The sampling data from all previous NYSDEC sampling events are attached for your records.

Please be assured that the long term monitoring of the former Busy Bee landfill will continue indefinitely with periodic inspections, leachate removal and disposal, and annual groundwater sampling. Annual reports of our activities at the landfill can be reviewed at the Town of Alfred Town Clerks office.

Thank you for your cooperation with our long term monitoring and maintenance program of the former Patton's Busy Disposal Site. If you have any questions regarding this sampling and would like to discuss this further please do not hesitate to call me at (716)851-7220.

Sincerely,

Michael J. Hinton, P.E.
Environmental Engineer II
Division of Environmental Remediation
Region 9

MJH:lej
cc: Mr. Daniel King, P.E. Division of Environmental Remediation Region 9

Mr. Brian Sadowski, Division of Environmental Remediation Region 9
Ms. Charlotte Bethoney, New York State Department of Health

Appendix C

Residential Well Sampling Historical Data

Table C-1
Historic Private Well Data
Well #D1
Volatile Organic Contaminants
(ug/l)

Parameter	1997	1998	1999	2000	2001	2002	2003
Dichlorodifluoromethane	2.0U	NA	NA	NA	NS	<0.5	1.0U
Chloromethane	2.0U	2.0U	10U	NA	NS	<0.5	1.0U
Vinyl Chloride	2.0U	2.0U	10U	NA	NS	<0.5	1.0U
Chloroethane	2.0U	2.0U	10U	NA	NS	<0.5	1.0U
Bromomethane	2.0U	2.0U	10U	NA	NS	<0.5	1.0U
Trichlorofluormethane		2.0U	NA	NA	NA	NS	<0.51.0U
1,1-Dichloroethene	1.0U	2.0U	2.8U	NA	NS	<0.5	1.0U
Methylene Chloride	4.0U	2.0U	2.8U	NA	NS	<0.5	2.0U
1,1-Dichloroethane	1.0U	2.0U	4.7U	NA	NS	<0.5	1.0U
2,2-Dichloropropane		NA	NA	NA	NA	NS	<0.5NA
cis–1,2-Dichloroethene		1.0U	2.0U	5U	NA	NS	<0.51.0U
Chloroform	1.0U	2.0U	1.6U	NA	NS	<0.5	1.0U
1,2-Dichloroethane	1.0U	2.0U	5U	NA	NS	<0.5	1.0U
1,1,1-Trichloroethane		1.0U	2.0U	3.8U	NA	NS	<0.51.0U
Benzene	1.0U	2.0U	4.4U	0.20U	NS	<0.5	1.0U
Trichloroethene	1.0U	2.0U	1.9U	1.3U	NS	<0.5	1.0U
1,2-Dichloropropane		1.0U	2.0U	6U	NA	NS	<0.51.0U
Bromodichloromethane		1.0U	NA	2.2U	NA	NS	<0.5NA
1,1-Dichloropropene		NA	NA	NA	NA	NS	<0.5NA
Carbon tetrachloride	1.0U	2.0U	2.8U	NA	NS	<0.5	1.0U
Bromodichloromethane		NA	2.0U	NA	NA	NS	<0.51.0U
Dibromomethane	NA	NA	NA	NA	NS	<0.5	NA
cis-1,3-Dichloropropene		1.0U	2.0U	5U	NA	NS	<0.51.0U
Toluene	1.0U	2.0U	6U	0.20U	NS	<0.5	1.0U
Trans-1,3-dichloropropene		1.0U	2.0U	5U	NA	NS	<0.51.0U
1,1,2-trichloroethane		1.0U	2.0U	5U	NA	NS	<0.51.0U
1,3-dichloropropane		NA	NA	NA	NA	NS	<0.5NA
Tetrachloroethene	1.0U	2.0U	4.1U	NA	NS	<0.5	1.0U
Dibromochloromethane		1.0U	2.0U	3.1U	NA	NS	<0.51.0U
1,2-dibromoethane	NA	NA	NA	NA	NS	<0.5	NA
Chlorobenzene	1.0U	2.0U	6U	0.20U	NS	<0.5	1.0U
1,1,1,2-tetrachloroethane		NA	NA	6.9U	NA	NS	<0.5NA
Ethylbenzene	1.0U	2.0U	7.2U	0.20U	NS	<0.5	1.0U
Xylene (total)	1.0U	2.0U	5U	0.20U	NS	<0.5	1.0U

Table C-1 - continued

Parameter	1997	1998	1999	2000	2001	2002	2003
Styrene	NA	2.0U	NA	0.20U	NS	<0.5	1.0U
Isopropyl benzene	NA	NA	NA	0.20U	NS	<0.5	1.0U
Bromoform	1.0U	2.0U	4.7U	NA	NS	<0.5	1.0U
1,1,2,2-tetrachloroethane	1.0U	2.0U	NA	NA	NS	<0.5	1.0U
1,1,3-trichloropropane	NA	NA	NA	NA	NS	<0.5	NA
n-Propylbenzene	NA	NA	NA	0.40U	NS	<0.5	NA
Bromobenzene	NA	NA	NA	1.0U	NS	<0.5	NA
1,3,5-Trimethylbenzene	NA	NA	NA	0.20U	NS	<0.5	NA
o & p chlorotoluene	NA	NA	NA	0.20U	NS	<0.5	NA
tert-Butyl benzene	NA	NA	NA	0.20U	NS	<0.5	NA
1,2,4-Trimethylbenzene	NA	NA	NA	0.20U	NS	<0.5	NA
sec-Butyl benzene	NA	NA	NA	0.20U	NS	<0.5	NA
p-cymene	NA	NA	NA	0.20U	NS	<0.5	NA
1,3-dichlorobenzene	1.0U	NA	NA	0.40U	NS	<0.5	1.0U
1,4-dichlorobenzene	1.0U	NA	NA	0.40U	NS	<0.5	1.0U
n-Butyl benzene	NA	NA	NA	0.20U	NS	<0.5	NA
1,2-dichlorobenzene	1.0U	NA	NA	0.40U	NS	<0.5	1.0U
1,2-dibromo-3-chloropropane	NA	NA	NA	NA	NS	<0.5	1.0U
1,2,4-Trichlorobenzene	NA	NA	NA	1.0U	NS	<0.5	1.0U
hexachlorobutadiene	NA	NA	NA	0.20U	NS	<0.5	NA
Naphthalene	NA	NA	NA	1.0U	NS	<0.5	NA
1, 2, 3 -Trichlorobenzene	NA	NA	NA	1.0U	NS	<0.5	NA
Acetone	NA	NA	NA	NA	NA	NA	5.0U
Carbon Disulfide	NA	NA	NA	NA	NA	NA	1.0U
2-Butanone	NA	NA	NA	NA	NA	NA	5.0U
4-Methyl-2-pentanone	NA	NA	NA	NA	NA	NA	5.0U
2-Hexanone	NA	NA	NA	NA	NA	NA	5.0U
1,1,2-Trichloro-1,2,2-Triflouroethane	NA	NA	NA	NA	NA	NA	10.0U
Trans-1,2-Dichloroethane	NA	NA	NA	NA	NA	NA	1.0U
Methyl tert-butyl ether	NA	NA	NA	NA	NA	NA	10.0U
Cyclohexane	NA	NA	NA	NA	NA	NA	10.0U
Methylcyclohexane	NA	NA	NA	NA	NA	NA	10.0U
1,2-Dibromoethane	NA	NA	NA	NA	NA	NA	1.0U
Methyl Acetate	NA	NA	NA	NA	NA	NA	10.0U

U or < - compound not detected at indicated detection limit

NS - No Sample Collected
NA - Not Analyzed for

Table C-1A
Historic Private Well Data
Well #D1
Inorganic Contaminants

(ug/l)

Parameter	1997	1998	1999	2000	2001	2002	2003
Aluminum	85.7*	34.4B	124B	60.1 B	NS	<50.0	18.4U
Antimony	30.0U	35.9U	8U	6.4B	NS	<1.0	4.1U
Arsenic	30.6U	27.3	6U	4.4B	NS	<3.0	3.3U
Barium	87.8	86.9B	88.5B	88.2B	NS	81	91.8B
Beryllium	0.30U	0.20U	0.64B	0.60U	NS	<1.0	0.19B
Cadmium	3.8U	0.70U	1.2B	0.60U	NS	<1.0	0.30U
Calcium	54,800	43,900	52,800	50,600	NS	44,000	55,900
Chromium	3.1U	0.50U	2U	1.6B	NS	<5.0	0.90U
Cobalt	4.1	0.80U	2U	1.0U	NS	<5.0	0.77B
Copper	10.0*	6.0B	5.8B	1.9B	NS	16	1.7U
Iron	72.1*	33.0B	66B	141	NS	361	16.1U
Lead	22.7U	1.7U	3U	2.6U	NS	<5.0	1.6U
Magnesium	23,700	22,000	22,400	21,800	NS	19,000	24,300
Manganese	21.3	233	15.5	36.1	NS	241	14.5B
Nickel	10.5U	2.8U	2.7B	1.5U	NS	<5.0	1.2B
Potassium	2,850	2,450B	2,620B	2,420B	NS	2,000	2,980B
Selenium	42.6U	1.5U	5U	5.0U	NS	<5.0	2.8U
Silver	5.0U	2.3B	1U	1.5U	NS	<5.0	0.70U
Mercury	0.10U	0.10U	0.20U	0.15U	NS	0.74	0.055U
Sodium	10,600	8550	10,200	9,730	NS	8,000	9,990
Thallium	34.4U	15.5	9U	5.0U	NS	<0.5	4.6B
Vanadium	4.6U	2.3U	1.3B	1.0U	NS	<5.0	0.80U
Zinc	8.7*	12.7B	14.2B	10.0B	NS	48	3.6B
Molybdenum	NA	NA	NA	NA	NS	<5.0	NA
Strontium	NA	NA	NA	NA	NS	542	NA
Tin	NA	NA	NA	NA	NS	<5.0	NA
Titanium	NA	NA	NA	NA	NS	<5.0	NA

U or < - not detected at indicated detection limit
B - detected below contract required detection limit
* - Duplicate analysis not within control limits
NA - Compound Not Analyzed for
NS - No Sample Collected

Table C-2
Historic Private Well Data
Well #D1A
Volatile Organic Contaminants
(ug/l)

Parameter	1997	1998	1999	2000	2001	2002	2003
Dichlorodifluoromethane	NS	NS	NS	NS	NS	<0.5	NS
Chloromethane	NS	NS	NS	NS	NS	<0.5	NS
Vinyl Chloride	NS	NS	NS	NS	NS	<0.5	NS
Chloroethane	NS	NS	NS	NS	NS	<0.5	NS
Bromomethane	NS	NS	NS	NS	NS	<0.5	NS
Trichlorofluormethane	NS	NS	NS	NS	NS	<0.5	NS
1,1-Dichloroethene	NS	NS	NS	NS	NS	<0.5	NS
Methylene Chloride	NS	NS	NS	NS	NS	<0.5	NS
1,1-Dichloroethane	NS	NS	NS	NS	NS	<0.5	NS
2,2-Dichloropropane	NS	NS	NS	NS	NS	<0.5	NS
cis–1,2-Dichloroethene	NS	NS	NS	NS	NS	<0.5	NS
Chloroform	NS	NS	NS	NS	NS	<0.5	NS
1,2-Dichloroethane	NS	NS	NS	NS	NS	<0.5	NS
1,1,1-Trichloroethane	NS	NS	NS	NS	NS	<0.5	NS
Benzene	NS	NS	NS	NS	NS	<0.5	NS
Trichloroethene	NS	NS	NS	NS	NS	<0.5	NS
1,2-Dichloropropane	NS	NS	NS	NS	NS	<0.5	NS
Bromodichloromethane	NS	NS	NS	NS	NS	<0.5	NS
1,1-Dichloropropene	NS	NS	NS	NS	NS	<0.5	NS
Carbon tetrachloride	NS	NS	NS	NS	NS	<0.5	NS
Bromodichloromethane	NS	NS	NS	NS	NS	<0.5	NS
Dibromomethane	NS	NS	NS	NS	NS	<0.5	NS
cis-1,3-Dichloropropene	NS	NS	NS	NS	NS	<0.5	NS
Toluene	NS	NS	NS	NS	NS	<0.5	NS
Trans-1,3-dichloropropene	NS	NS	NS	NS	NS	<0.5	NS
1,1,2-trichloroethane	NS	NS	NS	NS	NS	<0.5	NS
1,3-dichloropropane	NS	NS	NS	NS	NS	<0.5	NS
Tetrachloroethene	NS	NS	NS	NS	NS	<0.5	NS
Dibromochloromethane	NS	NS	NS	NS	NS	<0.5	NS
1,2-dibromoethane	NS	NS	NS	NS	NS	<0.5	NS
Chlorobenzene	NS	NS	NS	NS	NS	<0.5	NS
1,1,1,2-tetrachloroethane	NS	NS	NS	NS	NS	<0.5	NS
Ethylbenzene	NS	NS	NS	NS	NS	<0.5	NS
Xylene (total)	NS	NS	NS	NS	NS	<0.5	NS

Table C-2 - continued

Parameter	1997	1998	1999	2000	2001	2002	2003
Styrene	NS	NS	NS	NS	NS	<0.5	NS
Isopropyl benzene	NS	NS	NS	NS	NS	<0.5	NS
Bromoform	NS	NS	NS	NS	NS	<0.5	NS
1,1,2,2-tetrachloroethane	NS	NS	NS	NS	NS	<0.5	NS
1,1,3-trichloropropane	NS	NS	NS	NS	NS	<0.5	NS
n-Propylbenzene	NS	NS	NS	NS	NS	<0.5	NS
Bromobenzene	NS	NS	NS	NS	NS	<0.5	NS
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	<0.5	NS
o & p chlorotoluene	NS	NS	NS	NS	NS	<0.5	NS
tert-Butyl benzene	NS	NS	NS	NS	NS	<0.5	NS
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	<0.5	NS
sec-Butyl benzene	NS	NS	NS	NS	NS	<0.5	NS
p-cymene	NS	NS	NS	NS	NS	<0.5	NS
1,3-dichlorobenzene	NS	NS	NS	NS	NS	<0.5	NS
1,4-dichlorobenzene	NS	NS	NS	NS	NS	<0.5	NS
n-Butyl benzene	NS	NS	NS	NS	NS	<0.5	NS
1,2-dichlorobenzene	NS	NS	NS	NS	NS	<0.5	NS
1,2-dibromo-3-	NS	NS	NS	NS	NS	<0.5	NS
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	<0.5	NS
hexachlorobutadiene	NS	NS	NS	NS	NS	<0.5	NS
Naphthalene	NS	NS	NS	NS	NS	<0.5	NS
1, 2, 3 -Trichlorobenzene	NS	NS	NS	NS	NS	<0.5	NS
Acetone	NS	NS	NS	NS	NS	NA	NS
Carbon Disulfide	NS	NS	NS	NS	NS	NA	NS
2-Butanone	NS	NS	NS	NS	NS	NA	NS
4-Methyl-2-pentanone	NS	NS	NS	NS	NS	NA	NS
2-Hexanone	NS	NS	NS	NS	NS	NA	NS
1,1,2-Trichloro-1,2,2-Triflouroethane	NS	NS	NS	NS	NS	NA	NS
Trans-1,2-Dichloroethane	NS	NS	NS	NS	NS	NA	NS
Methyl tert-butyl ether		NS	NS	NS	NS	NS	NANS
Cyclohexane	NS	NS	NS	NS	NS	NA	NS
Methylcyclohexane	NS	NS	NS	NS	NS	NA	NS
1,2-Dibromoethane	NS	NS	NS	NS	NS	NA	NS
Methyl Acetate	NS	NS	NS	NS	NS	NA	NS

<- compound not detected at indicated detection limit

NS - No Sample Collected

Table C-2A
Historic Private Well Data
Well #D1A
Inorganic Contaminants

(ug/l)

Parameter	1997	1998	1999	2000	2001	2002	2003
Aluminum	NS	NS	NS	NS	NS	<50.0	NS
Antimony	NS	NS	NS	NS	NS	<1.0	NS
Arsenic	NS	NS	NS	NS	NS	<3.0	NS
Barium	NS	NS	NS	NS	NS	111	NS
Beryllium	NS	NS	NS	NS	NS	<1.0	NS
Cadmium	NS	NS	NS	NS	NS	<1.0	NS
Calcium	NS	NS	NS	NS	NS	40,000	NS
Chromium	NS	NS	NS	NS	NS	<5.0	NS
Cobalt	NS	NS	NS	NS	NS	<5.0	NS
Copper	NS	NS	NS	NS	NS	6.0	NS
Iron	NS	NS	NS	NS	NS	51	NS
Lead	NS	NS	NS	NS	NS	<5.0	NS
Magnesium	NS	NS	NS	NS	NS	17,000	NS
Manganese	NS	NS	NS	NS	NS	14	NS
Nickel	NS	NS	NS	NS	NS	<5.0	NS
Potassium	NS	NS	NS	NS	NS	2,000	NS
Selenium	NS	NS	NS	NS	NS	<5.0	NS
Silver	NS	NS	NS	NS	NS	<5.0	NS
Mercury	NS	NS	NS	NS	NS	0.68	NS
Sodium	NS	NS	NS	NS	NS	5,000	NS
Thallium	NS	NS	NS	NS	NS	<0.5	NS
Vanadium	NS	NS	NS	NS	NS	<5.0	NS
Zinc	NS	NS	NS	NS	NS	419	NS
Molybdenum	NS	NS	NS	NS	NS	<5.0	NS
Strontium	NS	NS	NS	NS	NS	120	NS
Tin	NS	NS	NS	NS	NS	<5.0	NS
Titanium	NS	NS	NS	NS	NS	<5.0	NS

<- not detected at indicated detection limit

NS - No Sample Collected

Table C-3
Historic Private Well Data
Well #D2
Volatile Organic Contaminants
(ug/l)

Parameter	1997	1998	1999	2000	2001	2002	2003
Dichlorodifluoromethane	2.0U	NA	NA	NS	NS	NS	1.0U
Chloromethane	2.0U	2.0U	10U	NS	NS	NS	1.0U
Vinyl Chloride	2.0U	2.0U	10U	NS	NS	NS	1.0U
Chloroethane	2.0U	2.0U	10U	NS	NS	NS	1.0U
Bromomethane	2.0U	2.0U	10U	NS	NS	NS	1.0U
Trichlorofluormethane	2.0U	NA	NA	NS	NS	NS	1.0U
1,1-Dichloroethene	1.0U	2.0U	2.8U	NS	NS	NS	1.0U
Methylene Chloride	4.0U	2.0U	2.8U	NS	NS	NS	2.0U
1,1-Dichloroethane	1.0U	2.0U	4.7U	NS	NS	NS	1.0U
2,2-Dichloropropane	NA	NA	NA	NS	NS	NS	NA
cis–1,2-Dichloroethene	1.0U	2.0U	5U	NS	NS	NS	1.0U
Chloroform	1.0U	2.0U	1.6U	NS	NS	NS	1.0U
1,2-Dichloroethane	1.0U	2.0U	5U	NS	NS	NS	1.0U
1,1,1-Trichloroethane	1.0U	2.0U	3.8U	NS	NS	NS	1.0U
Benzene	1.0U	2.0U	4.4U	NS	NS	NS	1.0U
Trichloroethene	1.0U	2.0U	1.9U	NS	NS	NS	1.0U
1,2-Dichloropropane	1.0U	2.0U	6U	NS	NS	NS	1.0U
Bromodichloromethane	1.0U	NA	2.2U	NS	NS	NS	NA
1,1-Dichloropropene	NA	NA	NA	NS	NS	NS	NA
Carbon tetrachloride	1.0U	2.0U	2.8U	NS	NS	NS	1.0U
Bromodichloromethane	NA	2.0U	NA	NS	NS	NS	1.0U
Dibromomethane	NA	NA	NA	NS	NS	NS	NA
cis-1,3-Dichloropropene	1.0U	2.0U	5U	NS	NS	NS	1.0U
Toluene	1.0U	2.0U	6U	NS	NS	NS	1.0U
Trans-1,3-dichloropropene	1.0U	2.0U	5U	NS	NS	NS	1.0U
1,1,2-trichloroethane	1.0U	2.0U	5U	NS	NS	NS	1.0U
1,3-dichloropropane	NA	NA	NA	NS	NS	NS	NA
Tetrachloroethene	1.0U	2.0U	4.1U	NS	NS	NS	1.0U
Dibromochloromethane	1.0U	2.0U	3.1U	NS	NS	NS	1.0U
1,2-dibromoethane	NA	NA	NA	NS	NS	NS	NA
Chlorobenzene	1.0U	2.0U	6U	NS	NS	NS	1.0U
1,1,1,2-tetrachloroethane	NA	NA	6.9U	NS	NS	NS	NA
Ethylbenzene	1.0U	2.0U	7.2U	NS	NS	NS	1.0U
Xylene (total)	1.0U	2.0U	5U	NS	NS	NS	1.0U

Table C-3 - continued

Parameter	1997	1998	1999	2000	2001	2002	2003
Styrene	NA	2.0U	NA	0.20U	NS	NS	1.0U
Isopropyl benzene	NA	NA	NA	0.20U	NS	NS	1.0U
Bromoform	1.0U	2.0U	4.7U	NA	NS	NS	1.0U
1,1,2,2-tetrachloroethane	1.0U	2.0U	6.9U	NA	NS	NS	1.0U
1,1,3-trichloropropane	NA	NA	NA	NA	NS	NS	NA
n-Propylbenzene	NA	NA	NA	0.40U	NS	NS	NA
Bromobenzene	NA	NA	NA	1.0U	NS	NS	NA
1,3,5-Trimethylbenzene	NA	NA	NA	0.20U	NS	NS	NA
o & p chlorotoluene	NA	NA	NA	0.20U	NS	NS	NA
tert-Butyl benzene	NA	NA	NA	0.20U	NS	NS	NA
1,2,4-Trimethylbenzene	NA	NA	NA	0.20U	NS	NS	NA
sec-Butyl benzene	NA	NA	NA	0.20U	NS	NS	NA
p-cymene	NA	NA	NA	0.20U	NS	NS	NA
1,3-dichlorobenzene	1.0U	NA	NA	0.40U	NS	NS	1.0U
1,4-dichlorobenzene	1.0U	NA	NA	0.40U	NS	NS	1.0U
n-Butyl benzene	NA	NA	NA	0.20U	NS	NS	NA
1,2-dichlorobenzene	1.0U	NA	NA	0.40U	NS	NS	1.0U
1,2-dibromo-3-chloropropane	NA	NA	NA	NA	NS	NS	1.0U
1,2,4-Trichlorobenzene	NA	NA	NA	1.0U	NS	NS	1.0U
hexachlorobutadiene	NA	NA	NA	0.20U	NS	NS	NA
Naphthalene	NA	NA	NA	1.0U	NS	NS	NA
1, 2, 3 -Trichlorobenzene	NA	NA	NA	1.0U	NS	NS	NA
Acetone	NA	NA	NA	NA	NS	NS	5.0U
Carbon Disulfide	NA	NA	NA	NA	NS	NS	1.0U
2-Butanone	NA	NA	NA	NA	NS	NS	5.0U
4-Methyl-2-pentanone	NA	NA	NA	NA	NS	NS	5.0U
2-Hexanone	NA	NA	NA	NA	NS	NS	5.0U
1,1,2-Trichloro-1,2,2-Triflouroethane	NA	NA	NA	NA	NS	NS	10.0U
Trans-1,2-Dichloroethane	NA	NA	NA	NA	NS	NS	1.0U
Methyl tert-butyl ether	NA	NA	NA	NA	NS	NS	10.0U
Cyclohexane	NA	NA	NA	NA	NS	NS	10.0U
Methylcyclohexane	NA	NA	NA	NA	NS	NS	10.0U
1,2-Dibromoethane	NA	NA	NA	NA	NS	NS	1.0U
Methyl Acetate	NA	NA	NA	NA	NS	NS	10.0U

U or < - compound not detected at indicated detection limit
J - compound detected below sample quantitation limit
NS - No Sample Collected
NA - Not Analyzed for

Shaded Area indicates pre-well data

Table C-3A
Historic Private Well Data
Well #D2
Inorganic Contaminants

(ug/l)

Parameter	1997	1998	1999	2000	2001	2002	2003
Aluminum	38.2U*	32.1B	154B	NS	NS	NS	46.2B
Antimony	30.0U	35.9U	8U	NS	NS	NS	4.1U
Arsenic	30.6U	6.5B	6U	NS	NS	NS	3.3U
Barium	14.2	13.6B	18.1B	NS	NS	NS	91.5B
Beryllium	0.30U	0.53B	0.40U	NS	NS	NS	0.12B
Cadmium	3.8U	0.70U	0.70U	NS	NS	NS	0.30U
Calcium	44,300	33,500	44,000	NS	NS	NS	51000
Chromium	3.1U	0.50U	3B	NS	NS	NS	0.90U
Cobalt	4.1U	0.80U	2U	NS	NS	NS	0.70U
Copper	37.5*	16.2B	2U	NS	NS	NS	17.4B
Iron	1320*	3050	8870	NS	NS	NS	46.1B
Lead	22.7U	1.7U	16.1	NS	NS	NS	1.6U
Magnesium	10,800	9750	10,400	NS	NS	NS	21200
Manganese	15.7	168	50.4	NS	NS	NS	229
Mercury	0.10U	0.10U	0.20U	NS	NS	NS	0.055U
Molybdenum	NA	NA	NA	NS	NS	NS	NA
Nickel	10.5U	2.8U	4.1B	NS	NS	NS	1.9B
Potassium	1550	1330B	1660B	NS	NS	NS	3000B
Selenium	42.6U	1.5U	5U	NS	NS	NS	2.8U
Silver	5.0U	1.9B	1U	NS	NS	NS	0.70U
Sodium	19,900	14,800	19,400	NS	NS	NS	8710
Strontium	NA	NA	NA	NS	NS	NS	NA
Tin	NA	NA	NA	NS	NS	NS	NA
Titanium	NA	NA	NA	NS	NS	NS	NA
Thallium	34.4U	6.8B	9U	NS	NS	NS	3.8U
Vanadium	4.6U	2.3U	1U	NS	NS	NS	0.80U
Zinc	33.2*	45.8	446	NS	NS	NS	38.4

U or < - not detected at indicated detection limit
B - detected below contract required detection limit
* - Duplicate analysis not within control limits
NA - Compound Not Analyzed for
NS - No Sample Collected

Shaded Area indicates pre-well data

Table C-4
Historic Private Well Data
Well #D3
Volatile Organic Contaminants

(ug/l)

Parameter	1997	1998	1999	2000	2001	2002	2003
Dichlorodifluoromethane	2.0U	NA	NA	NA	NS	<0.5	NS
Chloromethane	2.0U	2.0U	10U	NA	NS	<0.5	NS
Vinyl Chloride	2.0U	2.0U	10U	NA	NS	<0.5	NS
Chloroethane	2.0U	2.0U	10U	NA	NS	<0.5	NS
Bromomethane	2.0U	2.0U	10U	NA	NS	<0.5	NS
Trichlorofluormethane	2.0U	NA	NA	NA	NS	<0.5	NS
1,1-Dichloroethene	1.0U	2.0U	2.8U	NA	NS	<0.5	NS
Methylene Chloride	4.0U	2.0U	2.8U	NA	NS	<0.5	NS
1,1-Dichloroethane	1.0U	2.0U	4.7U	NA	NS	<0.5	NS
2,2-Dichloropropane	NA	NA	NA	NA	NS	<0.5	NS
cis–1,2-Dichloroethene	1.0U	2.0U	5U	NA	NS	<0.5	NS
Chloroform	1.0U	2.0U	1.6U	NA	NS	<0.5	NS
1,2-Dichloroethane	1.0U	2.0U	5U	NA	NS	<0.5	NS
1,1,1-Trichloroethane	1.0U	2.0U	3.8U	NA	NS	<0.5	NS
Benzene	1.0U	2.0U	4.4U	0.20U	NS	<0.5	NS
Trichloroethene	1.0U	2.0U	1.9U	1.3U	NS	<0.5	NS
1,2-Dichloropropane	1.0U	2.0U	6U	NA	NS	<0.5	NS
Bromodichloromethane	1.0U	NA	2.2U	NA	NS	<0.5	NS
1,1-Dichloropropene	NA	NA	NA	NA	NS	<0.5	NS
Carbon tetrachloride	1.0U	2.0U	2.8U	NA	NS	<0.5	NS
Bromodichloromethane	NA	2.0U	NA	NA	NS	<0.5	NS
Dibromomethane	NA	NA	NA	NA	NS	<0.5	NS
cis-1,3-Dichloropropene	1.0U	2.0U	5U	NA	NS	<0.5	NS
Toluene	1.0U	2.0U	6U	0.20U	NS	<0.5	NS
Trans-1,3-dichloropropene	1.0U	2.0U	5U	NA	NS	<0.5	NS
1,1,2-trichloroethane	1.0U	2.0U	5U	NA	NS	<0.5	NS
1,3-dichloropropane	NA	NA	NA	NA	NS	<0.5	NS
Tetrachloroethene	1.0U	2.0U	4.1U	NA	NS	<0.5	NS
Dibromochloromethane	1.0U	2.0U	3.1U	NA	NS	<0.5	NS
1,2-dibromoethane	NA	NA	NA	NA	NS	<0.5	NS
Chlorobenzene	1.0U	2.0U	6U	0.20U	NS	<0.5	NS
1,1,1,2-tetrachloroethane	NA	NA	6.9U	NA	NS	<0.5	NS
Ethylbenzene	1.0U	2.0U	7.2U	0.20U	NS	<0.5	NS
Xylene (total)	1.0U	2.0U	5U	0.20U	NS	<0.5	NS

Table C-4 - continued

Parameter	1997	1998	1999	2000	2001	2002	2003
Styrene	NA	2.0U	NA	0.20U	NS	<0.5	NS
Isopropyl benzene	NA	NA	NA	0.20U	NS	<0.5	NS
Bromoform	1.0U	2.0U	4.7U	NA	NS	<0.5	NS
1,1,2,2-tetrachloroethane	1.0U	2.0U	6.9U	NA	NS	<0.5	NS
1,1,3-trichloropropane	NA	NA	NA	NA	NS	<0.5	NS
n-Propylbenzene	NA	NA	NA	0.40U	NS	<0.5	NS
Bromobenzene	NA	NA	NA	1.0U	NS	<0.5	NS
1,3,5-Trimethylbenzene	NA	NA	NA	0.20U	NS	<0.5	NS
o & p chlorotoluene	NA	NA	NA	0.20U	NS	<0.5	NS
tert-Butyl benzene	NA	NA	NA	0.40U	NS	<0.5	NS
1,2,4-Trimethylbenzene	NA	NA	NA	0.20U	NS	<0.5	NS
sec-Butyl benzene	NA	NA	NA	0.20U	NS	<0.5	NS
p-cymene	NA	NA	NA	0.20U	NS	<0.5	NS
1,3-dichlorobenzene	1.0U	NA	NA	0.40U	NS	<0.5	NS
1,4-dichlorobenzene	1.0U	NA	NA	0.40U	NS	<0.5	NS
n-Butyl benzene	NA	NA	NA	0.20U	NS	<0.5	NS
1,2-dichlorobenzene	1.0U	NA	NA	0.40U	NS	<0.5	NS
1,2-dibromo-3-	NA	NA	NA	NA	NS	<0.5	NS
1,2,4-Trichlorobenzene	NA	NA	NA	1.0U	NS	<0.5	NS
hexachlorobutadiene	NA	NA	NA	0.20U	NS	<0.5	NS
Naphthalene	NA	NA	NA	1.0U	NS	<0.5	NS
1, 2, 3 -Trichlorobenzene	NA	NA	NA	1.0U	NS	<0.5	NS
Acetone	NA	NA	NA	NA	NS	NA	NS
Carbon Disulfide	NA	NA	NA	NA	NS	NA	NS
2-Butanone	NA	NA	NA	NA	NS	NA	NS
4-Methyl-2-pentanone	NA	NA	NA	NA	NS	NA	NS
2-Hexanone	NA	NA	NA	NA	NS	NA	NS
1,1,2-Trichloro-1,2,2-Triflouroethane	NA	NA	NA	NA	NS	NA	NS
Trans-1,2-Dichloroethane	NA	NA	NA	NA	NS	NA	NS
Methyl tert-butyl ether	NA	NA	NA	NA	NS	NA	NS
Cyclohexane	NA	NA	NA	NA	NS	NA	NS
Methylcyclohexane	NA	NA	NA	NA	NS	NA	NS
1,2-Dibromoethane	NA	NA	NA	NA	NS	NA	NS
Methyl Acetate	NA	NA	NA	NA	NS	NA	NS

U or < - compound not detected at indicated detection limit
NS - No Sample Collected
NA - Not Analyzed for

Table C-4A
Historic Private Well Data
Well #D3
Inorganic Contaminants

(ug/l)

Parameter	1997	1998	1999	2000	2001	2002	2003
Aluminum	38.7*	35.4B	62B	90.7B	NS	<50.0	NS
Antimony	30.0U	35.9U	8U	10.2B	NS	<1.0	NS
Arsenic	30.6U	17.6	6U	3.3U	NS	<3.0	NS
Barium	252	203	245	246	NS	214	NS
Beryllium	0.30U	0.20U	0.40U	0.60B	NS	<1.0	NS
Cadmium	3.8U	0.70U	0.70U	0.60U	NS	<1.0	NS
Calcium	46,600	39,300	47,800	46,700	NS	39,000	NS
Chromium	3.1U	0.50U	2U	1.0U	NS	<5.0	NS
Cobalt	4.1U	0.80U	2U	1.0U	NS	<5.0	NS
Copper	18.5*	17.6B	20.4	13.2B	NS	27	NS
Iron	16.5*	31.1B	32U	35.6	NS	14	NS
Lead	22.7U	1.7U	3U	2.6U	NS	<5.0	NS
Magnesium	18,900	15,100	18,500	18,600	NS	16,000	NS
Manganese	1.3U	1.1B	0.88B	1.0U	NS	<5.0	NS
Mercury	0.10U	0.10U	0.20U	0.15U	NS	0.77	NS
Molybdenum	NA	NA	NA	NA	NS	<5.0	NS
Nickel	10.5U	2.8U	2U	2.3B	NS	<5.0	NS
Potassium	2790	2000B	2660	2410B	NS	2,000	NS
Selenium	42.6U	1.5U	5U	5.0U	NS	<5.0	NS
Silver	49.3	1.5B	1U	1.5U	NS	<5.0	NS
Sodium	5620	4480B	5920	4930B	NS	4,000	NS
Strontium	NA	NA	NA	NA	NS	73	NS
Tin	NA	NA	NA	NA	NS	<5.0	NS
Titanium	NA	NA	NA	NA	NS	<5.0	NS
Thallium	34.4U	9.1B	9U	5.0U	NS	<0.5	NS
Vanadium	4.6U	2.3U	1U	1.0U	NS	<5.0	NS
Zinc	21.2*	22.7	18B	16.4B	NS	26	NS

U or < - not detected at indicated detection limit
B - detected below contract required detection limit
* - Duplicate analysis not within control limits
NA - Compound Not Analyzed for
NS - No Sample Collected

Table C-5
Historic Private Well Data
Well #D4
Volatile Organic Contaminants
(ug/l)

Parameter	1997	1998	1999	2000	2001	2002	2003
Dichlorodifluoromethane	2.0U	NA	NA	NS	<0.5	NS	1.0U
Chloromethane	2.0U	2.0U	10U	NS	<0.5	NS	1.0U
Vinyl Chloride	2.0U	2.0U	10U	NS	<0.5	NS	1.0U
Chloroethane	2.0U	2.0U	10U	NS	<0.5	NS	1.0U
Bromomethane	2.0U	2.0U	10U	NS	<0.5	NS	1.0U
Trichlorofluormethane	2.0U	NA	NA	NS	<0.5	NS	1.0U
1,1-Dichloroethene	1.0U	2.0U	2.8U	NS	<0.5	NS	1.0U
Methylene Chloride	4.0U	2.0U	2.8U	NS	<0.5	NS	2.0U
1,1-Dichloroethane	1.0U	2.0U	4.7U	NS	<0.5	NS	1.0U
2,2-Dichloropropane	NA	NA	NA	NS	<0.5	NS	NA
cis–1,2-Dichloroethene	1.0U	2.0U	5U	NS	<0.5	NS	1.0U
Chloroform	1.0U	2.0U	1.6U	NS	<0.5	NS	1.0U
1,2-Dichloroethane	1.0U	2.0U	5U	NS	<0.5	NS	1.0U
1,1,1-Trichloroethane	1.0U	2.0U	3.8U	NS	<0.5	NS	1.0U
Benzene	1.0U	2.0U	4.4U	NS	<0.5	NS	1.0U
Trichloroethene	1.0U	2.0U	1.9U	NS	<0.5	NS	1.0U
1,2-Dichloropropane	1.0U	2.0U	6U	NS	<0.5	NS	1.0U
Bromodichloromethane	1.0U	NA	2.2U	NS	<0.5	NS	NA
1,1-Dichloropropene	NA	NA	NA	NS	<0.5	NS	NA
Carbon tetrachloride	1.0U	2.0U	2.8U	NS	<0.5	NS	1.0U
Bromodichloromethane	NA	2.0U	NA	NS	<0.5	NS	1.0U
Dibromomethane	NA	NA	NA	NS	<0.5	NS	NA
cis-1,3-Dichloropropene	1.0U	2.0U	5U	NS	<0.5	NS	1.0U
Toluene	1.0U	2.0U	6U	NS	<0.5	NS	1.0U
Trans-1,3-dichloropropene	1.0U	2.0U	5U	NS	<0.5	NS	1.0U
1,1,2-trichloroethane	1.0U	2.0U	5U	NS	<0.5	NS	1.0U
1,3-dichloropropane	NA	NA	NA	NS	<0.5	NS	NA
Tetrachloroethene	1.0U	2.0U	4.1U	NS	<0.5	NS	1.0U
Dibromochloromethane	1.0U	2.0U	3.1U	NS	<0.5	NS	1.0U
1,2-dibromoethane	NA	NA	NA	NS	<0.5	NS	NA
Chlorobenzene	1.0U	2.0U	6U	NS	<0.5	NS	1.0U
1,1,1,2-tetrachloroethane	NA	NA	6.9U	NS	<0.5	NS	NA
Ethylbenzene	1.0U	2.0U	7.2U	NS	<0.5	NS	1.0U
Xylene (total)	1.0U	2.0U	5U	NS	<0.5	NS	1.0U

Table C-5 - continued

Parameter	1997	1998	1999	2000	2001	2002	2003
Styrene	NA	2.0U	NA	NS	<0.5	NS	1.0U
Isopropyl benzene	NA	NA	NA	NS	<0.5	NS	1.0U
Bromoform	1.0U	2.0U	4.7U	NS	<0.5	NS	1.0U
1,1,2,2-tetrachloroethane	1.0U	2.0U	NA	NS	<0.5	NS	1.0U
1,1,3-trichloropropane	NA	NA	NA	NS	<0.5	NS	NA
n-Propylbenzene	NA	NA	NA	NS	<0.5	NS	NA
Bromobenzene	NA	NA	NA	NS	<0.5	NS	NA
1,3,5-Trimethylbenzene	NA	NA	NA	NS	<0.5	NS	NA
o & p chlorotoluene	NA	NA	NA	NS	<0.5	NS	NA
tert-Butyl benzene	NA	NA	NA	NS	<0.5	NS	NA
1,2,4-Trimethylbenzene	NA	NA	NA	NS	<0.5	NS	NA
sec-Butyl benzene	NA	NA	NA	NS	<0.5	NS	NA
p-cymene	NA	NA	NA	NS	<0.5	NS	NA
1,3-dichlorobenzene	1.0U	NA	NA	NS	<0.5	NS	1.0U
1,4-dichlorobenzene	1.0U	NA	NA	NS	<0.5	NS	1.0U
n-Butyl benzene	NA	NA	NA	NS	<0.5	NS	NA
1,2-dichlorobenzene	1.0U	NA	NA	NS	<0.5	NS	1.0U
1,2-dibromo-3-chloropropane	NA	NA	NA	NS	<0.5	NS	1.0U
1,2,4-Trichlorobenzene	NA	NA	NA	NS	<0.5	NS	1.0U
hexachlorobutadiene	NA	NA	NA	NS	<0.5	NS	NA
Naphthalene	NA	NA	NA	NS	<0.5	NS	NA
1, 2, 3 -Trichlorobenzene	NA	NA	NA	NS	<0.5	NS	NA
Acetone	NA	NA	NA	NS	NA	NS	5.0U
Carbon Disulfide	NA	NA	NA	NS	NA	NS	1.0U
2-Butanone	NA	NA	NA	NS	NA	NS	5.0U
4-Methyl-2-pentanone	NA	NA	NA	NS	NA	NS	5.0U
2-Hexanone	NA	NA	NA	NS	NA	NS	5.0U
1,1,2-Trichloro-1,2,2-Triflouroethane	NA	NA	NA	NS	NA	NS	10.0U
Trans-1,2-Dichloroethane	NA	NA	NA	NS	NA	NS	1.0U
Methyl tert-butyl ether	NA	NA	NA	NS	NA	NS	10.0U
Cyclohexane	NA	NA	NA	NS	NA	NS	10.0U
Methylcyclohexane	NA	NA	NA	NS	NA	NS	10.0U
1,2-Dibromoethane	NA	NA	NA	NS	NA	NS	1.0U
Methyl Acetate	NA	NA	NA	NS	NA	NS	10.0U

U or < - compound not detected at indicated detection limit

NS - No Sample Collected

NA - Not Analyzed for

Table C-5A
Historic Private Well Data
Well #D4
Inorganic Contaminants

(ug/l)

Parameter	1997	1998	1999	2000	2001	2002	2003
Aluminum	38.2U*	22.4B	95.8B	NS	<50.0	NS	54.2B
Antimony	30U	35.9U	8U	NS	<1.0	NS	4.1U
Arsenic	30.6U	19.4	6U	NS	<3.0	NS	5.1B
Barium	106	102B	101B	NS	124	NS	114B
Beryllium	0.30U	0.20U	0.92B	NS	<1.0	NS	0.15B
Cadmium	3.8U	0.70U	0.71B	NS	<1.0	NS	0.30U
Calcium	46,800	43,200	48,000	NS	47,000	NS	49100
Chromium	3.1U	0.50U	2U	NS	<5.0	NS	0.90U
Cobalt	4.1U	0.80U	2U	NS	<5.0	NS	0.70U
Copper	19.3*	8.5B	8.9B	NS	<5.0	NS	8.5B
Iron	13.4*	28.8U	32U	NS	541	NS	16.1U
Lead	22.7U	1.7U	3U	NS	<5.0	NS	1.6U
Magnesium	19,500	18,900	19,100	NS	20,000	NS	20400
Manganese	21.1	85.1	66	NS	103	NS	60.1
Nickel	10.5U	2.8U	2U	NS	<5.0	NS	0.90U
Potassium	2490	2240B	2270	NS	2,000	NS	2520B
Selenium	42.6U	1.5U	5U	NS	<5.0	NS	2.8U
Silver	5U	1.7B	1B	NS	<5.0	NS	0.70U
Mercury	0.10U	0.10U	0.20U	NS	<0.2	NS	0.055U
Sodium	6780	5570	6680	NS	7,000	NS	6500
Thallium	34.4U	12.1	9.7B	NS	<0.5	NS	3.8U
Vanadium	4.6U	2.3U	1U	NS	<5.0	NS	0.80U
Zinc	5.9*	11.1B	9.1B	NS	14	NS	9.5B
Molybdenum	NA	NA	NA	NS	<5.0	NS	NS
Strontium	NA	NA	NA	NS	197	NS	NS
Tin	NA	NA	NA	NS	<5.0	NS	NS
Titanium	NA	NA	NA	NS	<5.0	NS	NS

U or < - not detected at indicated detection limit

* - Duplicate analysis not within control limits

NS - No Sample Collected

NA - Compound not analyzed for

Table C-6
Historic Private Well Data
Well #D5
Volatile Organic Contaminants
(ug/l)

Parameter	1997	1998	1999	2000	2001	2002	2003
Dichlorodifluoromethane	2.0U	NA	NA	NA	NS	<0.5	NS
Chloromethane	2.0U	2.0U	10U	NA	NS	<0.5	NS
Vinyl Chloride	2.0U	2.0U	10U	NA	NS	<0.5	NS
Chloroethane	2.0U	2.0U	10U	NA	NS	<0.5	NS
Bromomethane	2.0U	2.0U	10U	NA	NS	<0.5	NS
Trichlorofluormethane	2.0U	NA	NA	NA	NS	<0.5	NS
1,1-Dichloroethene	1.0U	2.0U	2.8U	NA	NS	<0.5	NS
Methylene Chloride	4.0U	2.0U	2.8U	NA	NS	<0.5	NS
1,1-Dichloroethane	1.0U	2.0U	4.7U	NA	NS	<0.5	NS
2,2-Dichloropropane	NA	NA	NA	NA	NS	<0.5	NS
cis–1,2-Dichloroethene	1.0U	2.0U	5U	NA	NS	<0.5	NS
Chloroform	1.0U	2.0U	1.6U	NA	NS	<0.5	NS
1,2-Dichloroethane	1.0U	2.0U	5U	NA	NS	<0.5	NS
1,1,1-Trichloroethane	1.0U	2.0U	3.8U	NA	NS	<0.5	NS
Benzene	1.0U	2.0U	4.4U	0.20U	NS	<0.5	NS
Trichloroethene	1.0U	2.0U	1.9U	1.3U	NS	<0.5	NS
1,2-Dichloropropane	1.0U	2.0U	6U	NA	NS	<0.5	NS
Bromodichloromethane	1.0U	NA	2.2U	NA	NS	<0.5	NS
1,1-Dichloropropene	NA	NA	NA	NA	NS	<0.5	NS
Carbon tetrachloride	1.0U	2.0U	2.8U	NA	NS	<0.5	NS
Bromodichloromethane	NA	2.0U	NA	NA	NS	<0.5	NS
Dibromomethane	NA	NA	NA	NA	NS	<0.5	NS
cis-1,3-Dichloropropene	1.0U	2.0U	5U	NA	NS	<0.5	NS
Toluene	1.0U	2.0U	6U	0.20U	NS	<0.5	NS
Trans-1,3-dichloropropene	1.0U	2.0U	5U	NA	NS	<0.5	NS
1,1,2-trichloroethane	1.0U	2.0U	5U	NA	NS	<0.5	NS
1,3-dichloropropane	NA	NA	NA	NA	NS	<0.5	NS
Tetrachloroethene	1.0U	2.0U	4.1U	NA	NS	<0.5	NS
Dibromochloromethane	1.0U	2.0U	3.1U	NA	NS	<0.5	NS
1,2-dibromoethane	NA	NA	NA	NA	NS	<0.5	NS
Chlorobenzene	1.0U	2.0U	6U	0.20U	NS	<0.5	NS
1,1,1,2-tetrachloroethane	NA	NA	6.9U	NA	NS	<0.5	NS
Ethylbenzene	1.0U	2.0U	7.2U	0.20U	NS	<0.5	NS
Xylene (total)	1.0U	2.0U	5U	0.20U	NS	<0.5	NS

Table C-6 - continued

Parameter	1997	1998	1999	2000	2001	2002	2003
Styrene	NA	2.0U	NA	0.20U	NS	<0.5	NS
Isopropyl benzene	NA	NA	NA	0.20U	NS	<0.5	NS
Bromoform	1.0U	2.0U	4.7U	NA	NS	<0.5	NS
1,1,2,2-tetrachloroethane	1.0U	2.0U	NA	NA	NS	<0.5	NS
1,1,3-trichloropropane	NA	NA	NA	NA	NS	<0.5	NS
n-Propylbenzene	NA	NA	NA	0.40U	NS	<0.5	NS
Bromobenzene	NA	NA	NA	1.0U	NS	<0.5	NS
1,3,5-Trimethylbenzene	NA	NA	NA	0.20U	NS	<0.5	NS
o & p chlorotoluene	NA	NA	NA	0.20U	NS	<0.5	NS
tert-Butyl benzene	NA	NA	NA	0.20U	NS	<0.5	NS
1,2,4-Trimethylbenzene	NA	NA	NA	0.20U	NS	<0.5	NS
sec-Butyl benzene	NA	NA	NA	0.20U	NS	<0.5	NS
p-cymene	NA	NA	NA	0.20U	NS	<0.5	NS
1,3-dichlorobenzene	1.0U	NA	NA	0.40U	NS	<0.5	NS
1,4-dichlorobenzene	1.0U	NA	NA	0.40U	NS	<0.5	NS
n-Butyl benzene	NA	NA	NA	0.20U	NS	<0.5	NS
1,2-dichlorobenzene	1.0U	NA	NA	0.40U	NS	<0.5	NS
1,2-dibromo-3-	NA	NA	NA	NA	NS	<0.5	NS
1,2,4-Trichlorobenzene	NA	NA	NA	1.0U	NS	<0.5	NS
hexachlorobutadiene	NA	NA	NA	0.20U	NS	<0.5	NS
Naphthalene	NA	NA	NA	1.0U	NS	<0.5	NS
1, 2, 3 -Trichlorobenzene	NA	NA	NA	1.0U	NS	<0.5	NS
Acetone	NA	NA	NA	NA	NS	NA	NS
Carbon Disulfide	NA	NA	NA	NA	NS	NA	NS
2-Butanone	NA	NA	NA	NA	NS	NA	NS
4-Methyl-2-pentanone	NA	NA	NA	NA	NS	NA	NS
2-Hexanone	NA	NA	NA	NA	NS	NA	NS
1,1,2-Trichloro-1,2,2-Triflouroethane	NA	NA	NA	NA	NS	NA	NS
Trans-1,2-Dichloroethane	NA	NA	NA	NA	NS	NA	NS
Methyl tert-butyl ether	NA	NA	NA	NA	NS	NA	NS
Cyclohexane	NA	NA	NA	NA	NS	NA	NS
Methylcyclohexane	NA	NA	NA	NA	NS	NA	NS
1,2-Dibromoethane	NA	NA	NA	NA	NS	NA	NS
Methyl Acetate	NA	NA	NA	NA	NS	NA	NS

U or <- compound not detected at indicated detection limit
NS - No Sample Collected
NA - Not Analyzed for

Table C-6A
Historic Private Well Data
Well #D5
Inorganic Contaminants

(ug/l)

Parameter	1997	1998	1999	2000	2001	2002	2003
Aluminum	38.2U*	18.2U	134B	73.3B	NS	<50.0	NS
Antimony	30U	35.9U	8U	8.1B	NS	<1.0	NS
Arsenic	30.6U	19.7	6U	3.3U	NS	<3.0	NS
Barium	120	124B	121B	116B	NS	95	NS
Beryllium	0.30U	0.20U	0.40U	0.60U	NS	<1.0	NS
Cadmium	3.8U	0.70U	0.70U	0.60U	NS	<1.0	NS
Calcium	54,200	44,200	56,000	52,300	NS	55,000	NS
Chromium	3.1U	0.50U	2U	1.0U	NS	<5.0	NS
Cobalt	4.1U	0.80U	2U	1.0U	NS	<5.0	NS
Copper	10.5*	18.9B	51.8	1,9B	NS	17	NS
Iron	7.8*	28.8U	32U	20.0U	NS	7	NS
Lead	22.7U	1.7U	3U	2.6U	NS	<5.0	NS
Magnesium	21,200	17,700	20,300	18,300	NS	23,000	NS
Manganese	5.7	4.0B	3.4B	1.7B	NS	11	NS
Mercury	0.10U	0.10U	0.20U	0.15U	NS	0.98	NS
Molybdenum	NA	NA	NA	NA	NS	<5.0	NS
Nickel	10.5U	2.8U	2U	1.5U	NS	<5.0	NS
Potassium	2520	2120B	2330	2020B	NS	2,000	NS
Selenium	42.6U	1.5U	5U	5.0U	NS	<5.0	NS
Silver	5U	1.3B	1U	1.5U	NS	<5.0	NS
Sodium	8320	6860	8840	8140	NS	7,000	NS
Strontium	NA	NA	NA	NA	NS	1,200	NS
Tin	NA	NA	NA	NA	NS	<5.0	NS
Titanium	NA	NA	NA	NA	NS	<5.0	NS
Thallium	34.4U	11.2	9U	5.0U	NS	<0.5	NS
Vanadium	4.6U	2.3U	1U	1.0U	NS	<5.0	NS
Zinc	9.9*	35.3	20.8	16.4B	NS	32	NS

U or < - not detected at indicated detection limit
B - detected below contract required detection limit
* - Duplicate analysis not within control limits
NA - Compound Not Analyzed for
NS - No Sample Collected

Table C-7
Historic Private Well Data
Well #D6
Volatile Organic Contaminants
(ug/l)

Parameter	1997	1998	1999	2000	2001	2002	2003
Dichlorodifluoromethane	2.0U	NA	NA	NS	<0.5	NS	1.0U
Chloromethane	2.0U	2.0U	10U	NS	<0.5	NS	1.0U
Vinyl Chloride	2.0U	2.0U	10U	NS	<0.5	NS	1.0U
Chloroethane	2.0U	2.0U	10U	NS	<0.5	NS	1.0U
Bromomethane	2.0U	2.0U	10U	NS	<0.5	NS	1.0U
Trichlorofluormethane		2.0U	NA	NA	NS	<0.5	NS1.0U
1,1-Dichloroethene	1.0U	2.0U	2.8U	NS	<0.5	NS	1.0U
Methylene Chloride	4.0U	2.0U	2.8U	NS	<0.5	NS	2.0U
1,1-Dichloroethane	1.0U	2.0U	4.7U	NS	<0.5	NS	1.0U
2,2-Dichloropropane		NA	NA	NA	NS	<0.5	NSNA
cis–1,2-Dichloroethene		1.0U	2.0U	5U	NS	<0.5	NS1.0U
Chloroform	1.0U	2.0U	1.6U	NS	<0.5	NS	1.0U
1,2-Dichloroethane	1.0U	2.0U	5U	NS	<0.5	NS	1.0U
1,1,1-Trichloroethane		1.0U	2.0U	3.8U	NS	<0.5	NS1.0U
Benzene	1.0U	2.0U	4.4U	NS	<0.5	NS	1.0U
Trichloroethene	1.0U	2.0U	1.9U	NS	<0.5	NS	1.0U
1,2-Dichloropropane		1.0U	2.0U	6U	NS	<0.5	NS1.0U
Bromodichloromethane		1.0U	NA	2.2U	NS	<0.5	NSNA
1,1-Dichloropropene		NA	NA	NA	NS	<0.5	NSNA
Carbon tetrachloride	1.0U	2.0U	2.8U	NS	<0.5	NS	1.0U
Bromodichloromethane		NA	2.0U	NA	NS	<0.5	NS1.0U
Dibromomethane	NA	NA	NA	NS	<0.5	NS	NA
cis-1,3-Dichloropropene		1.0U	2.0U	5U	NS	<0.5	NS1.0U
Toluene	1.0U	2.0U	6U	NS	<0.5	NS	1.0U
Trans-1,3-dichloropropene		1.0U	2.0U	5U	NS	<0.5	NS1.0U
1,1,2-trichloroethane		1.0U	2.0U	5U	NS	<0.5	NS1.0U
1,3-dichloropropane		NA	NA	NA	NS	<0.5	NSNA
Tetrachloroethene	1.0U	2.0U	4.1U	NS	<0.5	NS	1.0U
Dibromochloromethane		1.0U	2.0U	3.1U	NS	<0.5	NS1.0U
1,2-dibromoethane	NA	NA	NA	NS	<0.5	NS	NA
Chlorobenzene	1.0U	2.0U	6U	NS	<0.5	NS	1.0U
1,1,1,2-tetrachloroethane		NA	NA	6.9U	NS	<0.5	NSNA
Ethylbenzene	1.0U	2.0U	7.2U	NS	<0.5	NS	1.0U
Xylene (total)	1.0U	2.0U	5U	NS	<0.5	NS	1.0U

Table C-7 - continued

Parameter	1997	1998	1999	2000	2001	2002	2003
Styrene	NA	2.0U	NA	NS	<0.5	NS	1.0U
Isopropyl benzene	NA	NA	NA	NS	<0.5	NS	1.0U
Bromoform	1.0U	2.0U	4.7U	NS	<0.5	NS	1.0U
1,1,2,2-tetrachloroethane	1.0U	2.0U	NA	NS	<0.5	NS	1.0U
1,1,3-trichloropropane	NA	NA	NA	NS	<0.5	NS	NA
n-Propylbenzene	NA	NA	NA	NS	<0.5	NS	NA
Bromobenzene	NA	NA	NA	NS	<0.5	NS	NA
1,3,5-Trimethylbenzene	NA	NA	NA	NS	<0.5	NS	NA
o & p chlorotoluene	NA	NA	NA	NS	<0.5	NS	NA
tert-Butyl benzene	NA	NA	NA	NS	<0.5	NS	NA
1,2,4-Trimethylbenzene	NA	NA	NA	NS	<0.5	NS	NA
sec-Butyl benzene	NA	NA	NA	NS	<0.5	NS	NA
p-cymene	NA	NA	NA	NS	<0.5	NS	NA
1,3-dichlorobenzene	1.0U	NA	NA	NS	<0.5	NS	1.0U
1,4-dichlorobenzene	1.0U	NA	NA	NS	<0.5	NS	1.0U
n-Butyl benzene	NA	NA	NA	NS	<0.5	NS	NA
1,2-dichlorobenzene	1.0U	NA	NA	NS	<0.5	NS	1.0U
1,2-dibromo-3-chloropropane	NA	NA	NA	NS	<0.5	NS	1.0U
1,2,4-Trichlorobenzene	NA	NA	NA	NS	<0.5	NS	1.0U
hexachlorobutadiene	NA	NA	NA	NS	<0.5	NS	NA
Naphthalene	NA	NA	NA	NS	<0.5	NS	NA
1, 2, 3 -Trichlorobenzene	NA	NA	NA	NS	<0.5	NS	NA
Acetone	NA	NA	NA	NS	NA	NS	5.0U
Carbon Disulfide	NA	NA	NA	NS	NA	NS	1.0U
2-Butanone	NA	NA	NA	NS	NA	NS	5.0U
4-Methyl-2-pentanone	NA	NA	NA	NS	NA	NS	5.0U
2-Hexanone	NA	NA	NA	NS	NA	NS	5.0U
1,1,2-Trichloro-1,2,2-Triflouroethane	NA	NA	NA	NS	NA	NS	10.0U
Trans-1,2-Dichloroethane	NA	NA	NA	NS	NA	NS	1.0U
Methyl tert-butyl ether	NA	NA	NA	NS	NA	NS	10.0U
Cyclohexane	NA	NA	NA	NS	NA	NS	10.0U
Methylcyclohexane	NA	NA	NA	NS	NA	NS	10.0U
1,2-Dibromoethane	NA	NA	NA	NS	NA	NS	1.0U
Methyl Acetate	NA	NA	NA	NS	NA	NS	10.0U

<- compound not detected at indicated detection limit

NS - No Sample Collected

NA - Not Analyzed for

Table C-7A
Historic Private Well Data
Well #D6
Inorganic Contaminants
(ug/l)

Parameter	1997	1998 10/98	1998 12/98	1999	2000	2001	2002	2003
Aluminum	52.5*	18.5B	100U	60.4B	NS	<50	NS	27.3B
Antimony	30U	35.9U	6U	8U	NS	<1.0	NS	4.1U
Arsenic	30.6U	26.7	10U	6U	NS	<3.0	NS	4.0B
Barium	82.5	81.0B	78.3	83.9B	NS	86	NS	96.4B
Beryllium	0.30U	0.20U	5U	0.40U	NS	<1.0	NS	0.14B
Cadmium	3.8U	0.70U	5U	0.70U	NS	<1.0	NS	0.30U
Calcium	55,000	47,300	50,200	59,800	NS	56,000	NS	57900
Chromium	3.1U	0.50U	10U	2U	NS	<5.0	NS	0.90U
Cobalt	4.1U	0.80U	50U	2U	NS	<5.0	NS	0.70U
Copper	6.7*	7.6B	20U	7.9B	NS	<5.0	NS	4.6B
Iron	46.5*	48.1B	100U	32U	NS	55	NS	339
Lead	22.7U	1.7U	5U	3U	NS	<5.0	NS	1.6U
Magnesium	23,800	22,700	22,400	25,000	NS	24,000	NS	25200
Manganese	31.6	25.1	23.5	7.2B	NS	17	NS	46.2
Nickel	10.5U	2.8U	40U	2U	NS	<5.0	NS	0.90U
Potassium	2270	2360B	2390	2620	NS	3,000	NS	2780B
Selenium	42.6U	1.5U	5U	5U	NS	<5.0	NS	2.9B
Silver	5U	1.8B	10U	1U	NS	<5.0	NS	0.70U
Mercury	0.10U	0.10U	0.30U	0.20U	NS	<0.2	NS	0.055U
Sodium	8170	6600	8370	8360	NS	8,000	NS	8030
Thallium	34.4U	11.6	11.1	9U	NS	<0.5	NS	3.8U
Vanadium	4.6U	2.3U	50U	1U	NS	<5.0	NS	0.80U
Zinc	4.4*	12.1B	10U	2.7B	NS	11	NS	6.5B
Molybdenum	NA	NA	NA	NA	NS	<5.0	NS	NS
Strontium	NA	NA	NA	NA	NS	725	NS	NS
Tin	NA	NA	NA	NA	NS	<5.0	NS	NS
Titanium	NA	NA	NA	NA	NS	<5.0	NS	NS

<- not detected at indicated detection limit
B - detected below contract required detection limit
* - Duplicate Analysis not within control limits
NA - Compound not analyzed for
NS - No Sample Collected

Table C-8
Historic Private Well Data
Well #D7
Volatile Organic Contaminants

(ug/l)

Parameter	1997	1998	1999	2000	2001	2002	2003
Dichlorodifluoromethane	NS	NS	NS	NA	<0.5	<0.5	NS
Chloromethane	NS	NS	NS	NA	<0.5	<0.5	NS
Vinyl Chloride	NS	NS	NS	NA	<0.5	<0.5	NS
Chloroethane	NS	NS	NS	NA	<0.5	<0.5	NS
Bromomethane	NS	NS	NS	NA	<0.5	<0.5	NS
Trichlorofluormethane	NS	NS	NS	NA	<0.5	<0.5	NS
1,1-Dichloroethene	NS	NS	NS	NA	<0.5	<0.5	NS
Methylene Chloride	NS	NS	NS	NA	<0.5	<0.5	NS
1,1-Dichloroethane	NS	NS	NS	NA	<0.5	<0.5	NS
2,2-Dichloropropane	NS	NS	NS	NA	<0.5	<0.5	NS
cis–1,2-Dichloroethene	NS	NS	NS	NA	<0.5	<0.5	NS
Chloroform	NS	NS	NS	NA	<0.5	<0.5	NS
1,2-Dichloroethane	NS	NS	NS	NA	<0.5	<0.5	NS
1,1,1-Trichloroethane	NS	NS	NS	NA	<0.5	<0.5	NS
Benzene	NS	NS	NS	0.20U	<0.5	<0.5	NS
Trichloroethene	NS	NS	NS	1.3U	<0.5	<0.5	NS
1,2-Dichloropropane	NS	NS	NS	NA	<0.5	<0.5	NS
Bromodichloromethane	NS	NS	NS	NA	<0.5	<0.5	NS
1,1-Dichloropropene	NS	NS	NS	NA	<0.5	<0.5	NS
Carbon tetrachloride	NS	NS	NS	NA	<0.5	<0.5	NS
Bromodichloromethane	NS	NS	NS	NA	<0.5	<0.5	NS
Dibromomethane	NS	NS	NS	NA	<0.5	<0.5	NS
cis-1,3-Dichloropropene	NS	NS	NS	NA	<0.5	<0.5	NS
Toluene	NS	NS	NS	0.20U	<0.5	<0.5	NS
Trans-1,3-dichloropropene	NS	NS	NS	NA	<0.5	<0.5	NS
1,1,2-trichloroethane	NS	NS	NS	NA	<0.5	<0.5	NS
1,3-dichloropropane	NS	NS	NS	NA	<0.5	<0.5	NS
Tetrachloroethene	NS	NS	NS	NA	<0.5	<0.5	NS
Dibromochloromethane	NS	NS	NS	NA	<0.5	<0.5	NS
1,2-dibromoethane	NS	NS	NS	NA	<0.5	<0.5	NS
Chlorobenzene	NS	NS	NS	0.20U	<0.5	<0.5	NS
1,1,1,2-tetrachloroethane	NS	NS	NS	NA	<0.5	<0.5	NS
Ethylbenzene	NS	NS	NS	0.20U	<0.5	<0.5	NS
Xylene (total)	NS	NS	NS	0.20U	<0.5	<0.5	NS

Table C-8 - continued

Parameter	1997	1998	1999	2000	2001	2002	2003
Styrene	NS	NS	NS	0.20U	<0.5	<0.5	NS
Isopropyl benzene	NS	NS	NS	0.20U	<0.5	<0.5	NS
Bromoform	NS	NS	NS	NA	<0.5	<0.5	NS
1,1,2,2-tetrachloroethane	NS	NS	NS	NA	<0.5	<0.5	NS
1,1,3-trichloropropane	NS	NS	NS	NA	<0.5	<0.5	NS
n-Propylbenzene	NS	NS	NS	0.40U	<0.5	<0.5	NS
Bromobenzene	NS	NS	NS	1.0U	<0.5	<0.5	NS
1,3,5-Trimethylbenzene	NS	NS	NS	0.20U	<0.5	<0.5	NS
o & p chlorotoluene	NS	NS	NS	0.20U	<0.5	<0.5	NS
tert-Butyl benzene	NS	NS	NS	0.40U	<0.5	<0.5	NS
1,2,4-Trimethylbenzene	NS	NS	NS	0.20U	<0.5	<0.5	NS
sec-Butyl benzene	NS	NS	NS	0.20U	<0.5	<0.5	NS
p-cymene	NS	NS	NS	0.20U	<0.5	<0.5	NS
1,3-dichlorobenzene	NS	NS	NS	0.40U	<0.5	<0.5	NS
1,4-dichlorobenzene	NS	NS	NS	0.40U	<0.5	<0.5	NS
n-Butyl benzene	NS	NS	NS	0.20U	<0.5	<0.5	NS
1,2-dichlorobenzene	NS	NS	NS	0.40U	<0.5	<0.5	NS
1,2-dibromo-3-	NS	NS	NS	NA	<0.5	<0.5	NS
1,2,4-Trichlorobenzene	NS	NS	NS	1.0U	<0.5	<0.5	NS
hexachlorobutadiene	NS	NS	NS	0.20U	<0.5	<0.5	NS
Naphthalene	NS	NS	NS	1.0U	<0.5	<0.5	NS
1, 2, 3 -Trichlorobenzene	NS	NS	NS	1.0U	<0.5	<0.5	NS
Acetone	NS	NS	NS	NA	NA	NA	NS
Carbon Disulfide	NS	NS	NS	NA	NA	NA	NS
2-Butanone	NS	NS	NS	NA	NA	NA	NS
4-Methyl-2-pentanone	NS	NS	NS	NA	NA	NA	NS
2-Hexanone	NS	NS	NS	NA	NA	NA	NS
1,1,2-Trichloro-1,2,2-Triflouroethane	NS	NS	NS	NA	NA	NA	NS
Trans-1,2-Dichloroethane	NS	NS	NS	NA	NA	NA	NS
Methyl tert-butyl ether	NS	NS	NS	NA	NA	NA	NS
Cyclohexane	NS	NS	NS	NA	NA	NA	NS
Methylcyclohexane	NS	NS	NS	NA	NA	NA	NS
1,2-Dibromoethane	NS	NS	NS	NA	NA	NA	NS
Methyl Acetate	NS	NS	NS	NA	NA	NA	NS

U or <- compound not detected at indicated detection limit
NS - No Sample Collected
NA - Not Analyzed for

Table C-8A
Historic Private Well Data
Well #D7
Inorganic Contaminants
(ug/l)

Parameter	1997	1998	1999	2000	2001	2002	2003
Aluminum	NS	NS	NS	109B	41	<50.0	NS
Antimony	NS	NS	NS	7.0B	<1.0	<1.0	NS
Arsenic	NS	NS	NS	3.3U	<3.0	<3.0	NS
Barium	NS	NS	NS	55.1B	51	45	NS
Beryllium	NS	NS	NS	0.60U	<1.0	<1.0	NS
Cadmium	NS	NS	NS	0.60U	<1.0	<1.0	NS
Calcium	NS	NS	NS	53,200	54,000	46,000	NS
Chromium	NS	NS	NS	1.0U	<5.0	<5.0	NS
Cobalt	NS	NS	NS	1.0U	<5.0	<5.0	NS
Copper	NS	NS	NS	11.8B	<5.0	<5.0	NS
Iron	NS	NS	NS	2740	768	241	NS
Lead	NS	NS	NS	3.3	<5.0	<5.0	NS
Magnesium	NS	NS	NS	20,700	20,600	18,000	NS
Manganese	NS	NS	NS	382	350	321	NS
Mercury	NS	NS	NS	0.15U	<0.2	0.38	NS
Molybdenum	NS	NS	NS	NA	<5.0	<5.0	NS
Nickel	NS	NS	NS	6.8B	<5.0	<5.0	NS
Potassium	NS	NS	NS	2220B	2,300	2,000	NS
Selenium	NS	NS	NS	5.0U	<5.0	<5.0	NS
Silver	NS	NS	NS	1.5U	<5.0	<5.0	NS
Sodium	NS	NS	NS	7180	7,800	6,000	NS
Strontium	NS	NS	NS	NA	259	217	NS
Tin	NS	NS	NS	NA	<5.0	<5.0	NS
Titanium	NS	NS	NS	NA	<5.0	<5.0	NS
Thallium	NS	NS	NS	6.4B	<0.5	<0.5	NS
Vanadium	NS	NS	NS	1.0U	<5.0	<5.0	NS
Zinc	NS	NS	NS	21.6	10	<5.0	NS

<- not detected at indicated detection limit
B - detected below contract required detection limit
NS - No Sample Collected

Table C-9
Historic Private Well Data
Well #D8
Volatile Organic Contaminants
(ug/l)

Parameter	1997	1998	1999	2000	2001	2002	2003
Dichlorodifluoromethane	2.0U	NA	NA	NS	<0.5	NS	1.0U
Chloromethane	2.0U	2.0U	10U	NS	<0.5	NS	1.0U
Vinyl Chloride	2.0U	2.0U	10U	NS	<0.5	NS	1.0U
Chloroethane	2.0U	2.0U	10U	NS	<0.5	NS	1.0U
Bromomethane	2.0U	2.0U	10U	NS	<0.5	NS	1.0U
Trichlorofluormethane		2.0U	NA	NA	NS	<0.5	NS1.0U
1,1-Dichloroethene	1.0U	2.0U	2.8U	NS	<0.5	NS	1.0U
Methylene Chloride	4.0U	2.0U	2.8U	NS	<0.5	NS	2.0U
1,1-Dichloroethane	1.0U	2.0U	4.7U	NS	<0.5	NS	1.0U
2,2-Dichloropropane		NA	NA	NA	NS	<0.5	NSNA
cis–1,2-Dichloroethene		1.0U	2.0U	5U	NS	<0.5	NS1.0U
Chloroform	1.0U	2.0U	1.6U	NS	<0.5	NS	1.0U
1,2-Dichloroethane	1.0U	2.0U	5U	NS	<0.5	NS	1.0U
1,1,1-Trichloroethane		1.0U	2.0U	3.8U	NS	<0.5	NS1.0U
Benzene	1.0U	2.0U	4.4U	NS	<0.5	NS	1.0U
Trichloroethene	1.0U	2.0U	1.9U	NS	<0.5	NS	1.0U
1,2-Dichloropropane		1.0U	2.0U	6U	NS	<0.5	NS1.0U
Bromodichloromethane		1.0U	NA	2.2U	NS	<0.5	NSNA
1,1-Dichloropropene		NA	NA	NA	NS	<0.5	NSNA
Carbon tetrachloride	1.0U	2.0U	2.8U	NS	<0.5	NS	1.0U
Bromodichloromethane		NA	2.0U	NA	NS	<0.5	NS1.0U
Dibromomethane	NA	NA	NA	NS	<0.5	NS	NA
cis-1,3-Dichloropropene		1.0U	2.0U	5U	NS	<0.5	NS1.0U
Toluene	1.0U	2.0U	6U	NS	<0.5	NS	1.0U
Trans-1,3-dichloropropene		1.0U	2.0U	5U	NS	<0.5	NS1.0U
1,1,2-trichloroethane		1.0U	2.0U	5U	NS	<0.5	NS1.0U
1,3-dichloropropane		NA	NA	NA	NS	<0.5	NSNA
Tetrachloroethene	1.0U	2.0U	4.1U	NS	<0.5	NS	1.0U
Dibromochloromethane		1.0U	2.0U	3.1U	NS	<0.5	NS1.0U
1,2-dibromoethane	NA	NA	NA	NS	<0.5	NS	NA
Chlorobenzene	1.0U	2.0U	6U	NS	<0.5	NS	1.0U
1,1,1,2-tetrachloroethane		NA	NA	6.9U	NS	<0.5	NSNA
Ethylbenzene	1.0U	2.0U	7.2U	NS	<0.5	NS	1.0U
Xylene (total)	1.0U	2.0U	5U	NS	<0.5	NS	1.0U

Table C-9 - continued

Parameter	1997	1998	1999	2000	2001	2002	2003
Styrene	NA	2.0U	NA	NS	<0.5	NS	1.0U
Isopropyl benzene	NA	NA	NA	NS	<0.5	NS	1.0U
Bromoform	1.0U	2.0U	4.7U	NS	<0.5	NS	1.0U
1,1,2,2-tetrachloroethane	1.0U	2.0U	NA	NS	<0.5	NS	1.0U
1,1,3-trichloropropane	NA	NA	NA	NS	<0.5	NS	NA
n-Propylbenzene	NA	NA	NA	NS	<0.5	NS	NA
Bromobenzene	NA	NA	NA	NS	<0.5	NS	NA
1,3,5-Trimethylbenzene	NA	NA	NA	NS	<0.5	NS	NA
o & p chlorotoluene	NA	NA	NA	NS	<0.5	NS	NA
tert-Butyl benzene	NA	NA	NA	NS	<0.5	NS	NA
1,2,4-Trimethylbenzene	NA	NA	NA	NS	<0.5	NS	NA
sec-Butyl benzene	NA	NA	NA	NS	<0.5	NS	NA
p-cymene	NA	NA	NA	NS	<0.5	NS	NA
1,3-dichlorobenzene	1.0U	NA	NA	NS	<0.5	NS	1.0U
1,4-dichlorobenzene	1.0U	NA	NA	NS	<0.5	NS	1.0U
n-Butyl benzene	NA	NA	NA	NS	<0.5	NS	NA
1,2-dichlorobenzene	1.0U	NA	NA	NS	<0.5	NS	1.0U
1,2-dibromo-3-chloropropane	NA	NA	NA	NS	<0.5	NS	1.0U
1,2,4-Trichlorobenzene	NA	NA	NA	NS	<0.5	NS	1.0U
hexachlorobutadiene	NA	NA	NA	NS	<0.5	NS	NA
Naphthalene	NA	NA	NA	NS	<0.5	NS	NA
1, 2, 3 -Trichlorobenzene	NA	NA	NA	NS	<0.5	NS	NA
Acetone	NA	NA	NA	NS	NA	NS	5.0U
Carbon Disulfide	NA	NA	NA	NS	NA	NS	1.0U
2-Butanone	NA	NA	NA	NS	NA	NS	5.0U
4-Methyl-2-pentanone	NA	NA	NA	NS	NA	NS	5.0U
2-Hexanone	NA	NA	NA	NS	NA	NS	5.0U
1,1,2-Trichloro-1,2,2-Triflouroethane	NA	NA	NA	NS	NA	NS	10.0U
Trans-1,2-Dichloroethane	NA	NA	NA	NS	NA	NS	1.0U
Methyl tert-butyl ether	NA	NA	NA	NS	NA	NS	10.0U
Cyclohexane	NA	NA	NA	NS	NA	NS	10.0U
Methylcyclohexane	NA	NA	NA	NS	NA	NS	10.0U
1,2-Dibromoethane	NA	NA	NA	NS	NA	NS	1.0U
Methyl Acetate	NA	NA	NA	NS	NA	NS	10.0U

<- compound not detected at indicated detection limit

NS - No Sample Collected

Table C-9A
Historic Private Well Data
Well #D8
Inorganic Contaminants

(ug/l)

Parameter	1997	1998	1999	2000	2001	2002	2003
Aluminum	38.2U*	28.7B	77.3B	NS	<50.0	NS	102B
Antimony	30U	55.8B	8U	NS	<1.0	NS	4.1U
Arsenic	30.6U	21.3	6U	NS	<3.0	NS	4.9B
Barium	21.0	19.1B	21.1B	NS	23	NS	27.3B
Beryllium	0.30U	0.20U	0.40U	NS	<1.0	NS	0.10U
Cadmium	3.8U	0.70U	0.70U	NS	<1.0	NS	0.30U
Calcium	57,200	50,100	58,200	NS	53,000	NS	49900
Chromium	3.1U	0.50U	2U	NS	<5.0	NS	0.90U
Cobalt	4.1U	0.80U	2U	NS	<5.0	NS	0.70U
Copper	18.0*	9.2B	49.4	NS	7	NS	7.6B
Iron	30.4*	28.8U	32U	NS	20	NS	16.1U
Lead	22.7U	1.7U	3U	NS	<5.0	NS	1.6U
Magnesium	21,500	20,900	21,400	NS	20,000	NS	20100
Manganese	119	142	162	NS	76	NS	92.8
Nickel	10.5U	2.8U	2U	NS	<5.0	NS	1.6B
Potassium	2920	2690B	2950	NS	3,000	NS	2960B
Selenium	42.6U	1.5U	5U	NS	<5.0	NS	2.8U
Silver	5U	2.0B	1U	NS	<5.0	NS	0.70U
Mercury	0.10U	0.10U	0.20U	NS	<0.2	NS	0.055U
Sodium	33,900	39,000	45,300	NS	34,000	NS	40000
Thallium	34.4U	8.4B	9U	NS	<0.5	NS	3.8U
Vanadium	4.6U	2.3U	1U	NS	<5.0	NS	0.80U
Zinc	6.0*	17.6B	7.4B	NS	11	NS	5.8B
Molybdenum	NA	NA	NA	NS	<5.0	NS	NA
Strontium	NA	NA	NA	NS	256	NS	NA
Tin	NA	NA	NA	NS	<5.0	NS	NA
Titanium	NA	NA	NA	NS	<5.0	NS	NA

U or < - not detected at indicated detection limit

B - detected below contract required detection limit

* - Duplicate analysis not within control limits

NA - Compound not analyzed for

NS - No Sample Collected

Table C-10
Historic Private Well Data
Well #D9
Volatile Organic Contaminants
(ug/l)

Parameter	1997	1998	1999	2000	2001	2002	2003
Dichlorodifluoromethane	NS	NS	NS	NS	NS	<0.5	1.0U
Chloromethane	NS	NS	NS	NS	NS	<0.5	1.0U
Vinyl Chloride	NS	NS	NS	NS	NS	<0.5	1.0U
Chloroethane	NS	NS	NS	NS	NS	<0.5	1.0U
Bromomethane	NS	NS	NS	NS	NS	<0.5	1.0U
Trichlorofluormethane	NS	NS	NS	NS	NS	<0.5	1.0U
1,1-Dichloroethene	NS	NS	NS	NS	NS	<0.5	1.0U
Methylene Chloride	NS	NS	NS	NS	NS	<0.5	2.0U
1,1-Dichloroethane	NS	NS	NS	NS	NS	<0.5	1.0U
2,2-Dichloropropane	NS	NS	NS	NS	NS	<0.5	NA
cis–1,2-Dichloroethene	NS	NS	NS	NS	NS	<0.5	1.0U
Chloroform	NS	NS	NS	NS	NS	<0.5	1.0U
1,2-Dichloroethane	NS	NS	NS	NS	NS	<0.5	1.0U
1,1,1-Trichloroethane	NS	NS	NS	NS	NS	<0.5	1.0U
Benzene	NS	NS	NS	NS	NS	<0.5	1.0U
Trichloroethene	NS	NS	NS	NS	NS	<0.5	1.0U
1,2-Dichloropropane	NS	NS	NS	NS	NS	<0.5	1.0U
Bromodichloromethane	NS	NS	NS	NS	NS	<0.5	NA
1,1-Dichloropropene	NS	NS	NS	NS	NS	<0.5	NA
Carbon tetrachloride	NS	NS	NS	NS	NS	<0.5	1.0U
Bromodichloromethane	NS	NS	NS	NS	NS	<0.5	1.0U
Dibromomethane	NS	NS	NS	NS	NS	<0.5	NA
cis-1,3-Dichloropropene	NS	NS	NS	NS	NS	<0.5	1.0U
Toluene	NS	NS	NS	NS	NS	<0.5	1.0U
Trans-1,3-dichloropropene	NS	NS	NS	NS	NS	<0.5	1.0U
1,1,2-trichloroethane	NS	NS	NS	NS	NS	<0.5	1.0U
1,3-dichloropropane	NS	NS	NS	NS	NS	<0.5	NA
Tetrachloroethene	NS	NS	NS	NS	NS	<0.5	1.0U
Dibromochloromethane	NS	NS	NS	NS	NS	<0.5	1.0U
1,2-dibromoethane	NS	NS	NS	NS	NS	<0.5	NA
Chlorobenzene	NS	NS	NS	NS	NS	<0.5	1.0U
1,1,1,2-tetrachloroethane	NS	NS	NS	NS	NS	<0.5	NA
Ethylbenzene	NS	NS	NS	NS	NS	<0.5	1.0U
Xylene (total)	NS	NS	NS	NS	NS	<0.5	1.0U

Table C-10 - continued

Parameter	1997	1998	1999	2000	2001	2002	2003
Styrene	NS	NS	NS	NS	NS	<0.5	1.0U
Isopropyl benzene	NS	NS	NS	NS	NS	<0.5	1.0U
Bromoform	NS	NS	NS	NS	NS	<0.5	1.0U
1,1,2,2-tetrachloroethane	NS	NS	NS	NS	NS	<0.5	1.0U
1,1,3-trichloropropane	NS	NS	NS	NS	NS	<0.5	NA
n-Propylbenzene	NS	NS	NS	NS	NS	<0.5	NA
Bromobenzene	NS	NS	NS	NS	NS	<0.5	NA
1,3,5-Trimethylbenzene	NS	NS	NS	NS	NS	<0.5	NA
o & p chlorotoluene	NS	NS	NS	NS	NS	<0.5	NA
tert-Butyl benzene	NS	NS	NS	NS	NS	<0.5	NA
1,2,4-Trimethylbenzene	NS	NS	NS	NS	NS	<0.5	NA
sec-Butyl benzene	NS	NS	NS	NS	NS	<0.5	NA
p-cymene	NS	NS	NS	NS	NS	<0.5	NA
1,3-dichlorobenzene	NS	NS	NS	NS	NS	<0.5	1.0U
1,4-dichlorobenzene	NS	NS	NS	NS	NS	<0.5	1.0U
n-Butyl benzene	NS	NS	NS	NS	NS	<0.5	NA
1,2-dichlorobenzene	NS	NS	NS	NS	NS	<0.5	1.0U
1,2-dibromo-3-chloropropane	NS	NS	NS	NS	NS	<0.5	1.0U
1,2,4-Trichlorobenzene	NS	NS	NS	NS	NS	<0.5	1.0U
hexachlorobutadiene	NS	NS	NS	NS	NS	<0.5	NA
Naphthalene	NS	NS	NS	NS	NS	<0.5	NA
1, 2, 3 -Trichlorobenzene	NS	NS	NS	NS	NS	<0.5	NA
Acetone	NS	NS	NS	NS	NS	NA	5.0U
Carbon Disulfide	NS	NS	NS	NS	NS	NA	1.0U
2-Butanone	NS	NS	NS	NS	NS	NA	5.0U
4-Methyl-2-pentanone	NS	NS	NS	NS	NS	NA	5.0U
2-Hexanone	NS	NS	NS	NS	NS	NA	5.0U
1,1,2-Trichloro-1,2,2-Triflouroethane	NS	NS	NS	NS	NS	NA	10.0U
Trans-1,2-Dichloroethane	NS	NS	NS	NS	NS	NA	1.0U
Methyl tert-butyl ether	NS	NS	NS	NS	NS	NA	10.0U
Cyclohexane	NS	NS	NS	NS	NS	NA	10.0U
Methylcyclohexane	NS	NS	NS	NS	NS	NA	10.0U
1,2-Dibromoethane	NS	NS	NS	NS	NS	NA	1.0U
Methyl Acetate	NS	NS	NS	NS	NS	NA	10.0U

< - compound not detected at indicated detection limit

NS - No Sample Collected

Table C-10A
Historic Private Well Data
Well #D9
Inorganic Contaminants

(ug/l)

Parameter	1997	1998	1999	2000	2001	2002	2003
Aluminum	NS	NS	NS	NS	NS	<50.0	89.2
Antimony	NS	NS	NS	NS	NS	<1.0	4.1U
Arsenic	NS	NS	NS	NS	NS	<3.0	5.2B
Barium	NS	NS	NS	NS	NS	118	113B
Beryllium	NS	NS	NS	NS	NS	<1.0	0.10B
Cadmium	NS	NS	NS	NS	NS	<1.0	0.30U
Calcium	NS	NS	NS	NS	NS	39,000	35,100
Chromium	NS	NS	NS	NS	NS	<5.0	0.90U
Cobalt	NS	NS	NS	NS	NS	<5.0	0.70U
Copper	NS	NS	NS	NS	NS	10	5.0B
Iron	NS	NS	NS	NS	NS	27	116
Lead	NS	NS	NS	NS	NS	<5.0	1.6U
Magnesium	NS	NS	NS	NS	NS	17,000	15,900
Manganese	NS	NS	NS	NS	NS	9	52.0
Nickel	NS	NS	NS	NS	NS	<5.0	0.96B
Potassium	NS	NS	NS	NS	NS	3,000	3020
Selenium	NS	NS	NS	NS	NS	<5.0	2.8U
Silver	NS	NS	NS	NS	NS	<5.0	0.70U
Mercury	NS	NS	NS	NS	NS	0.81	0.055U
Thallium	NS	NS	NS	NS	NS	<0.5	3,580B
Vanadium	NS	NS	NS	NS	NS	<5.0	3.8U
Zinc	NS	NS	NS	NS	NS	77	0.80U
Molybdenum	NS	NS	NS	NS	NS	<5.0	63.0
Sodium	NS	NS	NS	NS	NS	4,000	NA
Strontium	NS	NS	NS	NS	NS	60	NA
Tin	NS	NS	NS	NS	NS	<5.0	NA
Titanium	NS	NS	NS	NS	NS	<5.0	NA

<- not detected at indicated detection limit

NS - No Sample Collected

Appendix D

Site Monitoring Well Historic Data

Table D-1
MW-101D Historic Data
Volatile Organic Compounds
(ug/l)

Parameter (GW Std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**			
Chloromethane	NS	NS	10U	1.0U	10 U	10 U	1.0U			
Bromomethane (5.0)	NS	NS	10U	1.0U	10 U	10 U	1.0U			
Vinyl chloride (2.0)	NS	NS	10U	1.0U	10 U	10 U	1.0U			
Chloroethane (5.0)	NS	NS	10U	1.0U	10 U	10 U	1.0U			
Methylene chloride (5.0)	NS	NS	10U	0.2U	10 U	10 U	2.0U			
Acetone *(50 guidance)*	NS	NS	10U	NA	**3 J**	10U	5.0U			
Carbon disulfide	NS	NS	10U	NA	10 U	10 U	1.0U			
1,1-Dichloroethene (5.0)	NS	NS	10U	0.2U	10 U	10 U	1.0U			
1,1-Dichloroethane (5.0)	NS	NS	10U	0.2U	10 U	10 U	1.0U			
Chloroform (7.0)	NS	NS	10U	0.2U	10 U	10 U	1.0U			
1,2-Dichloroethane (0.6)	NS	NS	10U	0.2U	10 U	10 U	1.0U			
2-Butanone	NS	NS	10U	NA	**1 J**	10U	5.0U			
1,1,1-Trichloroethane (5.0)	NS	NS	10U	0.2U	10 U	10 U	1.0U			
Carbon tetrachloride (5.0)	NS	NS	10U	0.2U	10 U	10 U	1.0U			
Bromodichloromethane *(50 guidance)*	NS	NS	10U	0.2U	10 U	10 U	1.0U			
1,2-Dichloropropane (1.0)	NS	NS	10U	1.0U	10 U	10 U	1.0U			
*cis-1,3-Dichloropropene (0.4)	NS	NS	10U	0.2U	10 U	10 U	1.0U			
Trichloroethene (5.0)	NS	NS	10U	0.2U	10 U	10 U	1.0U			
Dibromochloromethane *(50 guidance)*	NS	NS	10U	0.2U	10 U	10 U	1.0U			
1,1,2-Trichloroethane (1.0)	NS	NS	10U	0.2U	10 U	10 U	1.0U			
Benzene (1.0)	NS	NS	10U	NA	**1 J**	**1 J**	**1.0**			
*trans-1,3-Dichloropropene (0.4)	NS	NS	10U	0.2U	10 U	10 U	1.0U			
Bromoform *(50 guidance)*	NS	NS	10U	1.0U	10 U	10 U	1.0U			
4-Methyl-2-pentanone	NS	NS	10U	NA	10 U	10 U	5.0U			
2-Hexanone *(50 guidance)*	NS	NS	10U	NA	10 U	10 U	5.0U			
Tetrachloroethene (5.0)	NS	NS	10U	0.2U	10 U	10 U	1.0U			
Toluene (5.0)	NS	NS	10U	NA	10 U	10 U	1.0U			
1,1,2,2-Tetrachloroethane (5.0)	NS	NS	10U	0.2U	10 U	10 U	1.0U			
Chlorobenzene (5.0)	NS	NS	**4J**	**6.6**	**3 J**	**4J**	**6.0**			
Ethylbenzene (5.0)	NS	NS	10U	NA	10 U	10 U	1.0U			
Styrene (5.0)	NS	NS	10U	NA	10 U	10 U	1.0U			
Xylene, total (5.0)	NS	NS	10U	NA	10 U	10 U	1.0U			
Dichlorodifluoromethane (5.0)	NS	NS	NA	**13**	10 U	10 U	1.0U			
Trichlorofluoromethane (5.0)	NS	NS	NA	1.0U	10 U	10 U	1.0U			
1,1,2-Trichloro-1,2,2-Trifluoroethane (5.0)	NS	NS	NA	NA	10 U	10 U	10U			
trans -1,2-Dichloroethene (5.0)	NS	NS	10U	0.2U	10 U	10U	1.0U			

Table D -1 - continued
MW - 101D Historic Data
Volatile Organic Compounds
(ug/l)

Parameter (GW Std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**			
Methyl tert-butyl ether	NS	NS	NA	NA	10 U	10 U	10U			
cis-1,2-Dichloroethene (5.0)	NS	NS	10U	0.2U	10 U	10 U	1.0U			
Cyclohexane	NS	NS	NA	NA	10 U	10 U	10U			
Methylcyclohexane	NS	NS	NA	NA	10 U	10 U	10U			
1,2-Dibromoethane (0.0006)	NS	NS	NA	1.0U	10 U	10 U	1.0U			
Isopropyl benzene (5.0)	NS	NS	NA	NA	10 U	10 U	1.0U			
1,3-Dichlorobenzene (3.0)	NS	NS	NA	0.4U	10 U	10 U	1.0U			
1,4-Dichlorobenzene (3.0)	NS	NS	NA	**0.90**	10 U	10 U	**0.9J**			
1,2-Dichlorobenzene (3.0)	NS	NS	NA	0.4U	10 U	10 U	1.0U			
1,2-Dibromo-3-chloropropane (0.04)	NS	NS	NA	1.0U	10 U	10 U	1.0U			
1,2,4-Trichlorobenzene (5.0)	NS	NS	NA	NA	10 U	10 U	1.0U			
Methyl acetate	NS	NS	NA	NA	10 U	10 U	10U			
Bromochloromethane (5.0)	NS	NS	NA	0.2U	NA	NA	NA			
Dibromomethane (5.0)	NS	NS	NA	0.2U	NA	NA	NA			
1,3-Dichloropropane (5.0)	NS	NS	NA	0.2U	NA	NA	NA			
2,2-Dichloropropane (5.0)	NS	NS	NA	0.2U	NA	NA	NA			
1,1-Dichloropropene (5.0)	NS	NS	NA	0.2U	NA	NA	NA			
Hexachlorobutadiene (0.50)	NS	NS	NA	0.4U	NA	NA	NA			
1,1,1,2-Tetrachloroethane (5.0)	NS	NS	NA	0.2U	NA	NA	NA			
1,2,3-Trichloropropane (0.04)	NS	NS	NA	1.0U	NA	NA	NA			

U- compound not detected at indicated detection limit
J - compound detected below sample quantitation limit
Shaded areas indicate exceedence of NYSDEC groundwater standards
italics indicates guidance value
* cis-1,3-dichloropropene and trans-1,3-dichloropropene total not to exceed 0.40 ug/l
NS - No sample collected
NA- Compound not analyzed for

Table D -1A
MW - 101D Historic Data
Inorganic Compounds
(ug/l)

Parameter (std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	
Aluminum	NS	NS	424E*	43.6 B	213	32.5U	129B	
Antimony (3)	NS	NS	8U	5.0 U	3.0 U	5.4U	4.1U	
Arsenic (25)	NS	NS	6U	11.9	9.6 B	4.0B	11.5	
Barium (1000)	NS	NS	513	623 E	523	611	675	
Beryllium (3)	NS	NS	0.4U	0.50 U	1.0 U	0.20U	0.21B	
Cadmium (5)	NS	NS	0.7U	0.60 U	1.1 BN	0.33B	0.53B	
Calcium	NS	NS	120,000	135,000 E	122,000	124,000E	128,000	
Chromium (50)	NS	NS	2U	2.0 B	1.0 U	0.60U	0.90U	
Cobalt	NS	NS	2.6B	5.4 B	5.0 B	4.8B	4.0U	
Copper (200)	NS	NS	7.9B	1.7 B	14.9 B	6.3B	6.6B	
Iron (300)	NS	NS	**384***	**1,270**	**891**	270	**809N**	
Lead (25)	NS	NS	4.8	2.6 U	2.0 U	7.3	13.1	
Magnesium (*35,000 guidance*)	NS	NS	70,600*	82,000 E	69,300	78,700	77800	
Manganese (300)	NS	NS	**5,090**	**7,200 E**	**4,290**	**5,900**	**5,970**	
Mercury (0.7)	NS	NS	0.2U	0.15 U	0.072 U	0.115B	0.055U	
Nickel (100)	NS	NS	10B	9.1 B	9.8 B	9.0B	8.9B	
Potassium	NS	NS	10,900	11,900	12,400	11,400E	11300	
Selenium (10)	NS	NS	5U	7.3	5.0 U	4.0U	4.4B	
Silver (50)	NS	NS	1U	1.5 U	2.0 U	0.50U	0.70U	
Sodium (20000)	NS	NS	**56,600**	**57,900**	**51,200**	**49,000**	**44,900**	
Thallium (*0.5 guidance*)	NS	NS	11.3	5.0 U	4.0 U	3.9U	3.8U	
Vanadium	NS	NS	1U	1.0 U	1.0 U	0.70U	0.91B	
Zinc (*2000 guidance*)	NS	NS	13.7B	8.0 B	16.3 B	4.5B	4.7B	

U- not detected at or above detection limit
B - detected below contract required detection limit
E - value estimated due to interference
* - indicates duplicate analysis not within control limits
N - Spike sample recovery not within quality control limits
Shaded Area indicates exceedence of NYSDEC Ground Water Standards
NS - No Sample Collected

Table D - 2
MW - 101I Historic Data
Volatile Organic Compounds
(ug/l)

Parameter (GW Std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**			
Chloromethane	NS	NS	10U	1.0U	10 U	10 U	1.0U			
Bromomethane (5.0)	NS	NS	10U	1.0U	10 U	10 U	1.0U			
Vinyl chloride (2.0)	NS	NS	10U	1.0U	10 U	10 U	1.0U			
Chloroethane (5.0)	NS	NS	10U	1.0U	10 U	10 U	1.0U			
Methylene chloride (5.0)	NS	NS	10U	0.2U	10 U	10 U	2.0U			
Acetone *(50 guidance)*	NS	NS	10U	NA	2 J	1 J	5.0U			
Carbon disulfide	NS	NS	10U	NA	10 U	10 U	1.0U			
1,1-Dichloroethene (5.0)	NS	NS	10U	0.2U	10 U	10 U	1.0U			
1,1-Dichloroethane (5.0)	NS	NS	10U	0.2U	10 U	10 U	1.0U			
Chloroform (7.0)	NS	NS	10U	0.2U	10 U	10 U	1.0U			
1,2-Dichloroethane (0.6)	NS	NS	10U	0.2U	10 U	10 U	1.0U			
2-Butanone	NS	NS	10U	NA	10 U	10 U	5.0U			
1,1,1-Trichloroethane (5.0)	NS	NS	10U	0.2U	10 U	10 U	1.0U			
Carbon tetrachloride (5.0)	NS	NS	10U	0.2U	10 U	10 U	1.0U			
Bromodichloromethane *(50 guidance)*	NS	NS	10U	0.2U	10 U	10 U	1.0U			
1,2-Dichloropropane (1.0)	NS	NS	10U	1.0U	10 U	10 U	1.0U			
*cis-1,3-Dichloropropene (0.4)	NS	NS	10U	0.2U	10 U	10 U	1.0U			
Trichloroethene (5.0)	NS	NS	10U	0.2U	10 U	10 U	1.0U			
Dibromochloromethane *(50 guidance)*	NS	NS	10U	0.2U	10 U	10 U	1.0U			
1,1,2-Trichloroethane (1.0)	NS	NS	10U	0.2U	10 U	10 U	1.0U			
Benzene (1.0)	NS	NS	10U	NA	10 U	10 U	1.0U			
*trans-1,3-Dichloropropene (0.4)	NS	NS	10U	0.2U	10 U	10 U	1.0U			
Bromoform *(50 guidance)*	NS	NS	10U	1.0U	10 U	10 U	1.0U			
4-Methyl-2-pentanone	NS	NS	10U	NA	10 U	10 U	5.0U			
2-Hexanone *(50 guidance)*	NS	NS	10U	NA	10 U	10 U	5.0U			
Tetrachloroethene (5.0)	NS	NS	10U	0.2U	10 U	10 U	1.0U			
Toluene (5.0)	NS	NS	10U	NA	10 U	10 U	1.0U			
1,1,2,2-Tetrachloroethane (5.0)	NS	NS	10U	0.2U	10 U	10 U	1.0U			
Chlorobenzene (5.0)	NS	NS	10U	0.4U	10 U	10 U	1.0U			
Ethylbenzene (5.0)	NS	NS	10U	NA	10 U	10 U	1.0U			
Styrene (5.0)	NS	NS	10U	NA	10 U	10 U	1.0U			
Xylene, total (5.0)	NS	NS	10U	NA	10 U	10 U	1.0U			
Dichlorodifluoromethane (5.0)	NS	NS	NA	1.0U	10 U	10 U	1.0U			
Trichlorofluoromethane (5.0)	NS	NS	NA	1.0U	10 U	10 U	1.0U			
1,1,2-Trichloro-1,2,2-Trifluoroethane (5.0)	NS	NS	NA	NA	10 U	10 U	10U			
trans -1,2-Dichloroethene (5.0)	NS	NS	10U	0.2U	10 U	10 U	1.0U			

Table D - 2 - continued
MW - 101I Historic Data
Volatile Organic Compounds
(ug/l)

Parameter (GW Std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**			
Methyl tert-butyl ether	NS	NS	NA	NA	10 U	10 U	10U			
cis-1,2-Dichloroethene (5.0)	NS	NS	10U	0.2U	10 U	10 U	1.0U			
Cyclohexane	NS	NS	NA	NA	10 U	10 U	10U			
Methylcyclohexane	NS	NS	NA	NA	10 U	10 U	10U			
1,2-Dibromoethane (0.0006)	NS	NS	NA	1.0U	10 U	10 U	1.0U			
Isopropyl benzene (5.0)	NS	NS	NA	NA	10 U	10 U	1.0U			
1,3-Dichlorobenzene (3.0)	NS	NS	NA	0.4U	10 U	10 U	1.0U			
1,4-Dichlorobenzene (3.0)	NS	NS	NA	0.4U	10 U	10 U	1.0U			
1,2-Dichlorobenzene (3.0)	NS	NS	NA	0.4U	10 U	10 U	1.0U			
1,2-Dibromo-3-chloropropane (0.04)	NS	NS	NA	1.0U	10 U	10 U	1.0U			
1,2,4-Trichlorobenzene (5.0)	NS	NS	NA	NA	10 U	10 U	1.0U			
Methyl acetate	NS	NS	NA	NA	10 U	10 U	10U			
Bromochloromethane (5.0)	NS	NS	NA	0.2U	NA	NA	NA			
Dibromomethane (5.0)	NS	NS	NA	0.20U	NA	NA	NA			
1,3-Dichloropropane (5.0)	NS	NS	NA	0.2U	NA	NA	NA			
2,2-Dichloropropane (5.0)	NS	NS	NA	0.2U	NA	NA	NA			
1,1-Dichloropropene (5.0)	NS	NS	NA	0.2U	NA	NA	NA			
Hexachlorobutadiene (0.50)	NS	NS	NA	0.4U	NA	NA	NA			
1,1,1,2-Tetrachloroethane (5.0)	NS	NS	NA	0.2U	NA	NA	NA			
1,2,3-Trichloropropane (0.04)	NS	NS	NA	1.0U	NA	NA	NA			

U- compound not detected at indicated detection limit
J - compound detected below sample quantitation limit
Shaded areas indicate exceedence of NYSDEC groundwater standards
italics indicates guidance value
* cis-1,3-dichloropropene and trans-1,3-dichloropropene total not to exceed 0.40 ug/l
NS - No sample collected
NA- Compound not analyzed for

Table D -2A
MW - 101I Historic Data
Inorganic Compounds
(ug/l)

Parameter (std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	
Aluminum	NS	NS	NS	8500	61,300	NS	21,200	
Antimony (3)	NS	NS	NS	5.0 U	3.0 U	NS	4.1U	
Arsenic (25)	NS	NS	NS	6.9 B	**54.5**	NS	22.2	
Barium (1000)	NS	NS	NS	175 BE	694	NS	273	
Beryllium (3)	NS	NS	NS	0.57 B	**4.3 B**	NS	1.5B	
Cadmium (5)	NS	NS	NS	0.60 U	1.0 UN	NS	0.30U	
Calcium	NS	NS	NS	81,300 E	88,600	NS	82,300	
Chromium (50)	NS	NS	NS	9.0 B	74.3	NS	23.2	
Cobalt	NS	NS	NS	6.9 B	69.2	NS	21.7	
Copper (200)	NS	NS	NS	13.8 B	175	NS	38.0	
Iron (300)	NS	NS	NS	**9190**	**131,000**	NS	**41,500N**	
Lead (25)	NS	NS	NS	4.9	**48.1**	NS	14.3	
Magnesium (*35,000 guidance*)	NS	NS	NS	35,400 E	55,200	NS	41,800	
Manganese (300)	NS	NS	NS	**564 E**	**2850**	NS	**920**	
Mercury (0.7)	NS	NS	NS	0.15 U	0.072 U	NS	0.055U	
Nickel (100)	NS	NS	NS	9.6 B	**136**	NS	42.3	
Potassium	NS	NS	NS	7,810	17,500	NS	10600	
Selenium (10)	NS	NS	NS	5.0 U	9.7	NS	4.1B	
Silver (50)	NS	NS	NS	1.5 U	2.0 U	NS	0.70U	
Sodium (20000)	NS	NS	NS	6,700	7400	NS	6590	
Thallium (*0.5 guidance*)	NS	NS	NS	5.0 U	4.0 U	NS	5.0B	
Vanadium	NS	NS	NS	13.5 B	78.2	NS	26.8B	
Zinc (*2000 guidance*)	NS	NS	NS	47.4	364	NS	100	

U- not detected at or above detection limit
B - detected below contract required detection limit
E - value estimated due to interference
* - indicates duplicate analysis not within control limits
N - Spike sample recovery not within quality control limits
Shaded Area indicates exceedence of NYSDEC Ground Water Standards
NS - No Sample Collected or insufficient volume

Table D - 3
MW - 102D Historic Data
Volatile Organic Compounds
(ug/l)

Parameter (GW Std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**			
Chloromethane	2.0U	10U	10U	1.0U	10 U	10 U	1.0U			
Bromomethane (5.0)	2.0U	10U	10U	1.0U	10 U	10 U	1.0U			
Vinyl chloride (2.0)	2.0U	10U	10U	1.0U	10 U	10 U	1.0U			
Chloroethane (5.0)	2.0U	10U	10U	1.0U	10 U	10 U	1.0U			
Methylene chloride (5.0)	4.0U	10U	10U	0.2U	10 U	10 U	2.0U			
Acetone *(50 guidance)*	NA	10U	10U	NA	10 U	3J	5.0U			
Carbon disulfide	NA	10U	10U	NA	10 U	10 U	1.0U			
1,1-Dichloroethene (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
1,1-Dichloroethane (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Chloroform (7.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
1,2-Dichloroethane (0.6)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
2-Butanone	NA	10U	10U	NA	10 U	10 U	5.0U			
1,1,1-Trichloroethane (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Carbon tetrachloride (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Bromodichloromethane *(50 guidance)*	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
1,2-Dichloropropane (1.0)	1.0U	10U	10U	1.0U	10 U	10 U	1.0U			
*cis-1,3-Dichloropropene (0.4)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Trichloroethene (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Dibromochloromethane *(50 guidance)*	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
1,1,2-Trichloroethane (1.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Benzene (1.0)	1.0U	10U	10U	NA	10 U	10 U	1.0U			
*trans-1,3-Dichloropropene (0.4)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Bromoform *(50 guidance)*	1.0U	10U	10U	1.0U	10 U	10 U	1.0U			
4-Methyl-2-pentanone	NA	10U	10U	NA	10 U	10 U	5.0U			
2-Hexanone *(50 guidance)*	NA	10U	10U	NA	10 U	10 U	5.0U			
Tetrachloroethene (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Toluene (5.0)	1.0U	10U	10U	NA	10 U	10 U	1.0U			
1,1,2,2-Tetrachloroethane (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Chlorobenzene (5.0)	1.0U	10U	10U	0.4U	10 U	10 U	1.0U			
Ethylbenzene (5.0)	1.0U	10U	10U	NA	10 U	10 U	1.0U			
Styrene (5.0)	NA	10U	10U	NA	10 U	10 U	1.0U			
Xylene, total (5.0)	1.0U	10U	10U	NA	10 U	10 U	1.0U			
Dichlorodifluoromethane (5.0)	2.0U	NA	NA	1.0U	10 U	10 U	1.0U			
Trichlorofluoromethane (5.0)	2.0U	NA	NA	1.0U	10 U	10 U	1.0U			
1,1,2-Trichloro-1,2,2-Trifluoroethane (5.0)	NA	NA	NA	NA	10 U	10 U	10U			
trans -1,2-Dichloroethene (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			

Table D - 3 - continued
MW - 102D Historic Data
Volatile Organic Compounds
(ug/l)

Parameter (GW Std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**			
Methyl tert-butyl ether	NA	NA	NA	NA	10 U	10 U	10U			
cis-1,2-Dichloroethene (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Cyclohexane	NA	NA	NA	NA	10 U	10 U	10U			
Methylcyclohexane	NA	NA	NA	NA	10 U	10 U	10U			
1,2-Dibromoethane (0.0006)	NA	NA	NA	1.0U	10 U	10 U	1.0U			
Isopropyl benzene (5.0)	NA	NA	NA	NA	10 U	10 U	1.0U			
1,3-Dichlorobenzene (3.0)	1.0U	NA	NA	0.4U	10 U	10 U	1.0U			
1,4-Dichlorobenzene (3.0)	1.0U	NA	NA	0.4U	10 U	10 U	1.0U			
1,2-Dichlorobenzene (3.0)	1.0U	NA	NA	0.4U	10 U	10 U	1.0U			
1,2-Dibromo-3-chloropropane (0.04)	NA	NA	NA	1.0U	10 U	10 U	1.0U			
1,2,4-Trichlorobenzene (5.0)	NA	NA	NA	NA	10 U	10 U	1.0U			
Methyl acetate	NA	NA	NA	NA	10 U	10 U	10U			
Bromochloromethane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
Dibromomethane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
1,3-Dichloropropane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
2,2-Dichloropropane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
1,1-Dichloropropene (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
Hexachlorobutadiene (0.50)	NA	NA	NA	0.4U	NA	NA	NA			
1,1,1,2-Tetrachloroethane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
1,2,3-Trichloropropane (0.04)	NA	NA	NA	1.0U	NA	NA	NA			

U- compound not detected at indicated detection limit
J - compound detected below sample quantitation limit
Shaded areas indicate exceedence of NYSDEC groundwater standards
italics indicates guidance value
* cis-1,3-dichloropropene and trans-1,3-dichloropropene total not to exceed 0.40 ug/l
NS - No sample collected
NA- Compound not analyzed for

Table D -3A
MW - 102D Historic Data
Inorganic Compounds
(ug/l)

Parameter (std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	
Aluminum	1,600*	360	745E*	292	118	32.5U	358	
Antimony (3)	30.0U	**39.4B**	8U	**5.0 B**	3.0 U	5.4U	4.1U	
Arsenic (25)	30.6U	14.4	6U	3.4 U	4.0 U	4.0U	3.8B	
Barium (1000)	110	86.7B	88.3B	81.0 BE	86.7 B	88.1B	95.1	
Beryllium (3)	0.30U	0.25B	0.4U	0.50 U	1.0 U	0.20U	0.18B	
Cadmium (5)	3.8U*	0.86B	3.2B	4.5 B	1.7 BN	1.8B	3.5B	
Calcium	44,700	38,400	44,000*	43,200 E	47,000	43,000E	45,900	
Chromium (50)	3.1U	1.0B	2U	1.2 U	1.0 U	0.60U	0.90U	
Cobalt	4.1U	2.9B	2U	1.0 U	1.0 U	0.50U	0.70U	
Copper (200)	9.2	12.0B	6.9B	5.8 B	1.1 B	2.4B	5.0B	
Iron (300)	**1,900N**	**313**	**939***	249	72.1	150	**614N**	
Lead (25)	22.7U	1.7U	6.4	2.6 U	2.0 U	2.3U	1.6U	
Magnesium (*35,000 guidance*)	14,700	15,000	14,000*	14,500 E	15,100	14,200	15,500	
Manganese (300)	37.2	8.5B	18.7	8.9 BE	2.8 B	7.0B	15.6	
Mercury (0.7)	0.10U	0.10U	0.2U	0.15 U	0.072 U	0.110B	0.055U	
Nickel (100)	10.5U	2.8B	3.3B	1.5 U	1.5 U	1.0U	2.2B	
Potassium	2,620	2,390B	2,290	2,620 B	2,330 B	2,680BE	3,010B	
Selenium (10)	42.6U	1.5U	5U	5.0 U	5.0 U	4.0B	5.5B	
Silver (50)	5.0U	1.8B	1U	1.5 U	2.0 U	0.50U	0.70U	
Sodium (20000)	3,940	3,180B	5,570	3,960 B	3,780 B	3,970B	4,410B	
Thallium (*0.5 guidance*)	34.4	8.8B	9.9B	5.0 U	4.0 U	3.9U	3.8U	
Vanadium	4.6U*	3.3B	1U	1.0 U	1.0 U	0.70U	0.80U	
Zinc (*2000 guidance*)	11.0*	12.9B	27.4	12.6 B	2.0 U	9.8B	7.9B	

U- not detected at or above detection limit
B - detected below contract required detection limit
E - value estimated due to interference
* - indicates duplicate analysis not within control limits
N - Spike sample recovery not within quality control limits
Shaded Area indicates exceedence of NYSDEC Ground Water Standards

Table D - 4
MW - 103D Historic Data
Volatile Organic Compounds
(ug/l)

Parameter (GW Std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**			
Chloromethane	2.0U	10U	10U	1.0U	10 U	10 U	1.0U			
Bromomethane (5.0)	2.0U	10U	10U	1.0U	10 U	10 U	1.0U			
Vinyl chloride (2.0)	2.0U	10U	10U	1.0U	10 U	10 U	1.0U			
Chloroethane (5.0)	2.0U	10U	10U	1.0U	10 U	10 U	1.0U			
Methylene chloride (5.0)	4.0U	10U	10U	0.2U	10 U	10 U	2.0U			
Acetone *(50 guidance)*	NA	10U	10U	NA	10 U	10 U	5.0U			
Carbon disulfide	NA	10U	10U	NA	10 U	10 U	1.0U			
1,1-Dichloroethene (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
1,1-Dichloroethane (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Chloroform (7.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
1,2-Dichloroethane (0.6)	1.0U	10U	10U	0.20U	10 U	10 U	1.0U			
2-Butanone	NA	10U	10U	NA	10 U	10 U	5.0U			
1,1,1-Trichloroethane (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Carbon tetrachloride (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Bromodichloromethane *(50 guidance)*	1.0U	10U	10U	0.20U	10 U	10 U	1.0U			
1,2-Dichloropropane (1.0)	1.0U	10U	10U	1.0U	10 U	10 U	1.0U			
*cis-1,3-Dichloropropene (0.4)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Trichloroethene (5.0)	**4.2**	**6J**	**5J**	**6.6**	**4 J**	**5J**	**7.0**			
Dibromochloromethane *(50 guidance)*	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
1,1,2-Trichloroethane (1.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Benzene (1.0)	1.0U	10U	10U	NA	10 U	10 U	1.0U			
*trans-1,3-Dichloropropene (0.4)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Bromoform *(50 guidance)*	1.0U	10U	10U	1.0U	10 U	10 U	1.0U			
4-Methyl-2-pentanone	NA	10U	10U	NA	10 U	10 U	5.0U			
2-Hexanone *(50 guidance)*	NA	10U	10U	NA	10 U	10 U	5.0U			
Tetrachloroethene (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Toluene (5.0)	1.0U	10U	10U	NA	10 U	10 U	1.0U			
1,1,2,2-Tetrachloroethane (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Chlorobenzene (5.0)	1.0U	10U	10U	0.4U	10 U	10 U	1.0U			
Ethylbenzene (5.0)	1.0U	10U	10U	NA	10 U	10 U	1.0U			
Styrene (5.0)	NA	10U	10U	NA	10 U	10 U	1.0U			
Xylene, total (5.0)	1.0U	10U	10U	NA	10 U	10 U	1.0U			
Dichlorodifluoromethane (5.0)	2.0U	NA	NA	1.0U	10 U	10 U	1.0U			
Trichlorofluoromethane (5.0)	2.0U	NA	NA	1.0U	10 U	10 U	1.0U			
1,1,2-Trichloro-1,2,2-Trifluoroethane (5.0)	NA	NA	NA	NA	10 U	10 U	10U			
trans -1,2-Dichloroethene (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			

Table D - 4 - continued
MW - 103D Historic Data
Volatile Organic Compounds
(ug/l)

Parameter (GW Std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**			
Methyl tert-butyl ether	NA	NA	NA	NA	10 U	10 U	10U			
cis-1,2-Dichloroethene (5.0)	**12**	**15**	**16**	**20**	**8 J**	**14**	**9.0**			
Cyclohexane	NA	NA	NA	NA	10 U	10 U	10U			
Methylcyclohexane	NA	NA	NA	NA	10 U	10 U	10U			
1,2-Dibromoethane (0.0006)	NA	NA	NA	1.0U	10 U	10 U	1.0U			
Isopropyl benzene (5.0)	NA	NA	NA	NA	10 U	10 U	1.0U			
1,3-Dichlorobenzene (3.0)	1.0U	NA	NA	0.4U	10 U	10 U	1.0U			
1,4-Dichlorobenzene (3.0)	1.0U	NA	NA	0.4U	10 U	10 U	1.0U			
1,2-Dichlorobenzene (3.0)	1.0U	NA	NA	0.4U	10 U	10 U	1.0U			
1,2-Dibromo-3-chloropropane (0.04)	NA	NA	NA	1.0U	10 U	10 U	1.0U			
1,2,4-Trichlorobenzene (5.0)	NA	NA	NA	NA	10 U	10 U	1.0U			
Methyl acetate	NA	NA	NA	NA	10 U	10 U	10U			
Bromochloromethane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
Dibromomethane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
1,3-Dichloropropane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
2,2-Dichloropropane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
1,1-Dichloropropene (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
Hexachlorobutadiene (0.50)	NA	NA	NA	0.4U	NA	NA	NA			
1,1,1,2-Tetrachloroethane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
1,2,3-Trichloropropane (0.04)	NA	NA	NA	1.0U	NA	NA	NA			

U- compound not detected at indicated detection limit
J - compound detected below sample quantitation limit
Shaded areas indicate exceedence of NYSDEC groundwater standards
italics indicates guidance value
* cis-1,3-dichloropropene and trans-1,3-dichloropropene total not to exceed 0.40 ug/l
NS - No sample collected
NA- Compound not analyzed for

Table D -4A
MW - 103D Historic Data
Inorganic Compounds
(ug/l)

Parameter (std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	
Aluminum	10,500*	220	791E*	2470	293	32.5U	151B	
Antimony (3)	30.0U	35.9U	8U	5.0 U	3.0 U	5.4U	4.1U	
Arsenic (25)	30.6U	13.1	6U	3.4 U	4.0 U	4.0U	5.2B	
Barium (1000)	109	65.3B	49.9B	72.8 BE	59.1 B	67.9B	69.0	
Beryllium (3)	0.30U	0.20B	0.4U	0.50 U	1.0 U	0.20U	0.10U	
Cadmium (5)	3.8U*	0.70U	0.7U	2.5 B	1.7 BN	0.44B	0.30U	
Calcium	20,800	24,400	17,700*	20,900 E	25,400	23,100E	24,100	
Chromium (50)	11.6	0.83B	2U	1.8 B	1.0 U	0.60U	0.90U	
Cobalt	8.2	2.3B	2U	1.5 B	1.0 U	0.50U	0.70U	
Copper (200)	22.1	5.5B	3.1B	4.0 B	1.0 U	0.82B	1.7U	
Iron (300)	**13,200N**	**316**	**507***	**2,600**	**368**	**400**	**191N**	
Lead (25)	22.7U	1.7U	3U	4.5	2.0 U	2.3U	1.6U	
Magnesium (*35,000 guidance*)	10,100	10,600	6,170*	7,550 E	9,080	8,540	8,790	
Manganese (300)	**509**	14.5B	8.9B	94.9 E	19.4	26.6	5.4B	
Mercury (0.7)	0.10U	0.10U	0.2U	0.15 U	0.072 U	0.078B	0.055U	
Nickel (100)	22.9	2.8U	3.1B	2.8 B	1.5 U	1.0U	1.5B	
Potassium	5,180	1,920B	1,630B	2,590 B	1,970 B	1,930BE	1,980B	
Selenium (10)	**46.4**	1.5U	5U	5.0 U	5.0 U	4.0U	2.8U	
Silver (50)	5.0U	0.92B	1U	1.5 U	2.0 U	0.67B	0.70U	
Sodium (20000)	4,370	3,510B	4,480B	4,140 B	4,160 B	3,930B	4,260B	
Thallium (*0.5 guidance*)	34.4U	5.0B	9U	5.0 U	4.0 U	3.9U	3.8U	
Vanadium	19.2*	2.3U	1U	3.8 B	1.0 U	0.70U	0.80U	
Zinc (*2000 guidance*)	38.7*	13.4BE	2U	13.2 B	2.6 B	4.1U	6.9B	

U- not detected at or above detection limit
B - detected below contract required detection limit
E - value estimated due to interference
* - indicates duplicate analysis not within control limits
N - Spike sample recovery not within quality control limits
Shaded Area indicates exceedence of NYSDEC Ground Water Standards

Table D - 5
MW - 103I Historic Data
Volatile Organic Compounds
(ug/l)

Parameter (GW Std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**			
Chloromethane	2.0U	10U	10U	1.0U	10 U	10 U	1.0U			
Bromomethane (5.0)	2.0U	10U	10U	1.0U	10 U	10 U	1.0U			
Vinyl chloride (2.0)	2.0U	10U	10U	1.0U	10 U	10 U	1.0U			
Chloroethane (5.0)	2.0U	10U	10U	1.0U	10 U	10 U	1.0U			
Methylene chloride (5.0)	4.0U	10U	10U	0.2U	10 U	10 U	2.0U			
Acetone *(50 guidance)*	NA	10U	10U	NA	10 U	10 U	5.0U			
Carbon disulfide	NA	10U	10U	NA	10 U	10 U	1.0U			
1,1-Dichloroethene (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
1,1-Dichloroethane (5.0)	1.0U	10U	10U	**0.23**	10 U	10 U	1.0U			
Chloroform (7.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
1,2-Dichloroethane (0.6)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
2-Butanone	NA	10U	10U	NA	10 U	10 U	5.0U			
1,1,1-Trichloroethane (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Carbon tetrachloride (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Bromodichloromethane *(50 guidance)*	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
1,2-Dichloropropane (1.0)	1.0U	10U	10U	1.0U	10 U	10 U	1.0U			
*cis-1,3-Dichloropropene (0.4)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Trichloroethene (5.0)	**9.1**	**8J**	**4J**	**9.2**	**7 J**	**4 J**	**9.0**			
Dibromochloromethane *(50 guidance)*	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
1,1,2-Trichloroethane (1.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Benzene (1.0)	1.0U	10U	10U	NA	10 U	10 U	1.0U			
*trans-1,3-Dichloropropene (0.4)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Bromoform *(50 guidance)*	1.0U	10U	10U	1.0U	10 U	10 U	1.0U			
4-Methyl-2-pentanone	NA	10U	10U	NA	10 U	10 U	5.0U			
2-Hexanone *(50 guidance)*	NA	10U	10U	NA	10 U	10 U	5.0U			
Tetrachloroethene (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Toluene (5.0)	1.0U	10U	10U	NA	10 U	10 U	1.0U			
1,1,2,2-Tetrachloroethane (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Chlorobenzene (5.0)	1.0U	10U	10U	0.4U	10 U	10 U	1.0U			
Ethylbenzene (5.0)	1.0U	10U	10U	NA	10 U	10 U	1.0U			
Styrene (5.0)	NA	10U	10U	NA	10 U	10 U	1.0U			
Xylene, total (5.0)	1.0U	10U	10U	NA	10 U	10 U	1.0U			
Dichlorodifluoromethane (5.0)	2.0U	NA	NA	1.0U	10 U	10 U	1.0U			
Trichlorofluoromethane (5.0)	2.0U	NA	NA	1.0U	10 U	10 U	1.0U			
1,1,2-Trichloro-1,2,2-Trifluoroethane (5.0)	NA	NA	NA	NA	10 U	10 U	10U			
trans -1,2-Dichloroethene (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			

Table D - 5 - continued
MW - 103I Historic Data
Volatile Organic Compounds
(ug/l)

Parameter (GW Std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**			
Methyl tert-butyl ether	NA	NA	NA	NA	10 U	10 U	10U			
cis-1,2-Dichloroethene (5.0)	**18**	**22**	**15**	**28**	**15**	**12**	**11.0**			
Cyclohexane	NA	NA	NA	NA	10 U	10 U	10U			
Methylcyclohexane	NA	NA	NA	NA	10 U	10 U	10U			
1,2-Dibromoethane (0.0006)	NA	NA	NA	1.0U	10 U	10 U	1.0U			
Isopropyl benzene (5.0)	NA	NA	NA	NA	10 U	10 U	1.0U			
1,3-Dichlorobenzene (3.0)	1.0U	NA	NA	0.4U	10 U	10 U	1.0U			
1,4-Dichlorobenzene (3.0)	1.0U	NA	NA	0.4U	10 U	10 U	1.0U			
1,2-Dichlorobenzene (3.0)	1.0U	NA	NA	0.4U	10 U	10 U	1.0U			
1,2-Dibromo-3-chloropropane (0.04)	NA	NA	NA	1.0U	10 U	10 U	1.0U			
1,2,4-Trichlorobenzene (5.0)	NA	NA	NA	NA	10 U	10 U	1.0U			
Methyl acetate	NA	NA	NA	NA	10 U	10 U	10U			
Bromochloromethane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
Dibromomethane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
1,3-Dichloropropane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
2,2-Dichloropropane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
1,1-Dichloropropene (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
Hexachlorobutadiene (0.50)	NA	NA	NA	0.4U	NA	NA	NA			
1,1,1,2-Tetrachloroethane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
1,2,3-Trichloropropane (0.04)	NA	NA	NA	1.0U	NA	NA	NA			

U- compound not detected at indicated detection limit
J - compound detected below sample quantitation limit
Shaded areas indicate exceedence of NYSDEC groundwater standards
italics indicates guidance value
* cis-1,3-dichloropropene and trans-1,3-dichloropropene total not to exceed 0.40 ug/l
NS - No sample collected
NA- Compound not analyzed for

Table D -5A
MW - 103I Historic Data
Inorganic Compounds
(ug/l)

Parameter (std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	
Aluminum	2,860*	424	3,640E*	780	620	1890	646	
Antimony (3)	30.0U	**40.8B**	8U	5.0 U	3.0 U	5.4U	4.1U	
Arsenic (25)	30.6U	9.2B	6U	3.4 U	4.2 B	4.1B	3.3U	
Barium (1000)	63	73.7B	67.1B	59.6 BE	65.1 B	98.9B	71.9B	
Beryllium (3)	0.30U	0.28B	0.4U	0.50 U	1.0 U	0.20U	0.10U	
Cadmium (5)	3.8U*	4.0B	1.1B	2.0 B	2.4 BN	0.30U	3.3B	
Calcium	13,800	24,900	14,100*	19,400 E	22,300	25,600E	23,200	
Chromium (50)	3.1U	0.89B	3B	1.2 U	1.0 U	0.60U	0.90U	
Cobalt	4.1U	2.1B	2U	1.0 U	1.0 B	0.96B	0.70U	
Copper (200)	8.7	8.0B	5.8B	1.3 B	6.1 B	1.9B	1.8B	
Iron (300)	**3,240N**	**934**	**3,910***	**869**	**817**	**2,920**	**1,030N**	
Lead (25)	22.7U	1.7U	3U	4.7	2.0 U	2.3U	1.6U	
Magnesium (*35,000 guidance*)	4,280	9,980	4,440B*	5,970 E	6,710	8,250	7820	
Manganese (300)	111	30.1	85.5	37.1 E	28.2	61	28.9	
Mercury (0.7)	0.10U	0.10U	0.2U	0.15 U	0.072 U	0.122B	0.055U	
Nickel (100)	10.5U	2.8B	4.1B	1.5 U	1.8 B	2.0B	2.7B	
Potassium	2,380	2,110B	2,430B	1,910 B	2,040 B	2,820BE	2,150B	
Selenium (10)	42.6U	1.5U	5U	5.0 U	5.0 U	4.0U	2.8U	
Silver (50)	5.0U	0.83B	1U	1.5 U	2.0 U	0.50U	0.70U	
Sodium (20000)	4,360	2,760B	5,570	4,290 B	4,490 B	3,910B	4,320B	
Thallium (*0.5 guidance*)	34.4U	7.2B	9U	5.0 U	4.0 U	3.0U	3.8U	
Vanadium	6.4*	2.3U	5.4B	1.1 B	1.0 U	2.8B	1.1B	
Zinc (*2000 guidance*)	14.0*	21.1	9.4B	9.8 B	8.3 B	8.6B	3.6B	

U- not detected at or above detection limit
B - detected below contract required detection limit
E - value estimated due to interference
* - indicates duplicate analysis not within control limits
N - Spike sample recovery not within quality control limits
Shaded Area indicates exceedence of NYSDEC Ground Water Standards

Table D - 6
MW - 104D Historic Data
Volatile Organic Compounds
(ug/l)

Parameter (GW Std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**			
Chloromethane	NS	NS	NS	1.0U	NS	10 U	1.0U			
Bromomethane (5.0)	NS	NS	NS	1.0U	NS	10 U	1.0U			
Vinyl chloride (2.0)	NS	NS	NS	1.0U	NS	10 U	1.0U			
Chloroethane (5.0)	NS	NS	NS	1.0U	NS	10 U	1.0U			
Methylene chloride (5.0)	NS	NS	NS	0.2U	NS	10 U	2.0U			
Acetone *(50 guidance)*	NS	NS	NS	NA	NS	10 U	5.0U			
Carbon disulfide	NS	NS	NS	NA	NS	10 U	1.0U			
1,1-Dichloroethene (5.0)	NS	NS	NS	0.2U	NS	10 U	1.0U			
1,1-Dichloroethane (5.0)	NS	NS	NS	0.2U	NS	10 U	1.0U			
Chloroform (7.0)	NS	NS	NS	0.2U	NS	10 U	1.0U			
1,2-Dichloroethane (0.6)	NS	NS	NS	0.2U	NS	10 U	1.0U			
2-Butanone	NS	NS	NS	NA	NS	10 U	5.0U			
1,1,1-Trichloroethane (5.0)	NS	NS	NS	0.2U	NS	10 U	1.0U			
Carbon tetrachloride (5.0)	NS	NS	NS	0.2U	NS	10 U	1.0U			
Bromodichloromethane *(50 guidance)*	NS	NS	NS	0.2U	NS	10 U	1.0U			
1,2-Dichloropropane (1.0)	NS	NS	NS	1.0U	NS	10 U	1.0U			
*cis-1,3-Dichloropropene (0.4)	NS	NS	NS	0.2U	NS	10 U	1.0U			
Trichloroethene (5.0)	NS	NS	NS	0.2U	NS	10U	**0.5J**			
Dibromochloromethane *(50 guidance)*	NS	NS	NS	0.2U	NS	10 U	1.0U			
1,1,2-Trichloroethane (1.0)	NS	NS	NS	0.2U	NS	10 U	1.0U			
Benzene (1.0)	NS	NS	NS	NA	NS	10 U	1.0U			
*trans-1,3-Dichloropropene (0.4)	NS	NS	NS	0.2U	NS	10 U	1.0U			
Bromoform *(50 guidance)*	NS	NS	NS	1.0U	NS	10 U	1.0U			
4-Methyl-2-pentanone	NS	NS	NS	NA	NS	10 U	5.0U			
2-Hexanone *(50 guidance)*	NS	NS	NS	NA	NS	10 U	5.0U			
Tetrachloroethene (5.0)	NS	NS	NS	0.2U	NS	10 U	1.0U			
Toluene (5.0)	NS	NS	NS	NA	NS	10 U	1.0U			
1,1,2,2-Tetrachloroethane (5.0)	NS	NS	NS	0.2U	NS	10 U	1.0U			
Chlorobenzene (5.0)	NS	NS	NS	0.4U	NS	10 U	1.0U			
Ethylbenzene (5.0)	NS	NS	NS	NA	NS	10 U	1.0U			
Styrene (5.0)	NS	NS	NS	NA	NS	10 U	1.0U			
Xylene, total (5.0)	NS	NS	NS	NA	NS	10 U	1.0U			
Dichlorodifluoromethane (5.0)	NS	NS	NS	1.0U	NS	10 U	1.0U			
Trichlorofluoromethane (5.0)	NS	NS	NS	1.0U	NS	10 U	1.0U			
1,1,2-Trichloro-1,2,2-Trifluoroethane (5.0)	NS	NS	NS	NA	NS	10 U	10U			
trans -1,2-Dichloroethene (5.0)	NS	NS	NS	0.2U	NS	10 U	1.0U			

Table D - 6 - continued
MW - 104D Historic Data
Volatile Organic Compounds
(ug/l)

Parameter (GW Std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**			
Methyl tert-butyl ether	NS	NS	NS	NA	NS	10 U	10U			
cis-1,2-Dichloroethene (5.0)	NS	NS	NS	**0.57**	NS	**1J**	**2.0**			
Cyclohexane	NS	NS	NS	NA	NS	10 U	10U			
Methylcyclohexane	NS	NS	NS	NA	NS	10 U	10U			
1,2-Dibromoethane (0.0006)	NS	NS	NS	1.0U	NS	10 U	1.0U			
Isopropyl benzene (5.0)	NS	NS	NS	NA	NS	10 U	1.0U			
1,3-Dichlorobenzene (3.0)	NS	NS	NS	0.4U	NS	10 U	1.0U			
1,4-Dichlorobenzene (3.0)	NS	NS	NS	0.4U	NS	10 U	1.0U			
1,2-Dichlorobenzene (3.0)	NS	NS	NS	0.4U	NS	10 U	1.0U			
1,2-Dibromo-3-chloropropane (0.04)	NS	NS	NS	1.0U	NS	10 U	1.0U			
1,2,4-Trichlorobenzene (5.0)	NS	NS	NS	NA	NS	10 U	1.0U			
Methyl acetate	NS	NS	NS	NA	NS	10 U	10U			
Bromochloromethane (5.0)	NS	NS	NS	0.2U	NS	NA	NA			
Dibromomethane (5.0)	NS	NS	NS	0.2U	NS	NA	NA			
1,3-Dichloropropane (5.0)	NS	NS	NS	0.2U	NS	NA	NA			
2,2-Dichloropropane (5.0)	NS	NS	NS	0.2U	NS	NA	NA			
1,1-Dichloropropene (5.0)	NS	NS	NS	0.2U	NS	NA	NA			
Hexachlorobutadiene (0.50)	NS	NS	NS	0.4U	NS	NA	NA			
1,1,1,2-Tetrachloroethane (5.0)	NS	NS	NS	0.2U	NS	NA	NA			
1,2,3-Trichloropropane (0.04)	NS	NS	NS	1.0U	NS	NA	NA			

U- compound not detected at indicated detection limit
J - compound detected below sample quantitation limit
Shaded areas indicate exceedence of NYSDEC groundwater standards
italics indicates guidance value
* cis-1,3-dichloropropene and trans-1,3-dichloropropene total not to exceed 0.40 ug/l
NS - No sample collected
NA- Compound not analyzed for

Table D -6A
MW - 104D Historic Data
Inorganic Compounds
(ug/l)

Parameter (std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	
Aluminum	NS	NS	NS	35,300	NS	32.5U	187B	
Antimony (3)	NS	NS	NS	8.0 B	NS	5.4U	4.1U	
Arsenic (25)	NS	NS	NS	32.7	NS	4.0U	3.3U	
Barium (1000)	NS	NS	NS	334 E	NS	76.9B	67.8B	
Beryllium (3)	NS	NS	NS	2.3 B	NS	0.20U	0.13B	
Cadmium (5)	NS	NS	NS	0.60 U	NS	0.30U	0.77B	
Calcium	NS	NS	NS	53,900 E	NS	51,300E	52,800	
Chromium (50)	NS	NS	NS	41.1	NS	0.60U	0.90U	
Cobalt	NS	NS	NS	36.8 B	NS	0.50U	0.70U	
Copper (200)	NS	NS	NS	57.1	NS	2.9B	5.7B	
Iron (300)	NS	NS	NS	62,000	NS	146	**175N**	
Lead (25)	NS	NS	NS	59.7	NS	2.3U	1.6U	
Magnesium (*35,000 guidance*)	NS	NS	NS	38,900 E	NS	31,100	25,300	
Manganese (300)	NS	NS	NS	1,090 E	NS	4.4B	3.7B	
Mercury (0.7)	NS	NS	NS	0.15 U	NS	0.065U	0.055U	
Nickel (100)	NS	NS	NS	57.7	NS	1.0U	1.3B	
Potassium	NS	NS	NS	14,000	NS	3,640BE	3,300B	
Selenium (10)	NS	NS	NS	9.1	NS	4.0U	3.3B	
Silver (50)	NS	NS	NS	1.5 U	NS	0.50U	0.70U	
Sodium (20000)	NS	NS	NS	5,480	NS	4,950	5,300	
Thallium (*0.5 guidance*)	NS	NS	NS	5.0 U	NS	3.9U	3.8U	
Vanadium	NS	NS	NS	47.6 B	NS	0.70U	0.80U	
Zinc (*2000 guidance*)	NS	NS	NS	145	NS	5.5B	2.0B	

U- not detected at or above detection limit
B - detected below contract required detection limit
E - value estimated due to interference
* - indicates duplicate analysis not within control limits
Shaded Area indicates exceedence of NYSDEC Ground Water Standards
NS - No Sample Collected or insufficient volume

Table D - 7
MW - 104I Historic Data
Volatile Organic Compounds
(ug/l)

Parameter (GW Std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**			
Chloromethane	NS	NS	10U	1.0U	10 U	10 U	1.0U			
Bromomethane (5.0)	NS	NS	10U	1.0U	10 U	10 U	1.0U			
Vinyl chloride (2.0)	NS	NS	10U	1.0U	10 U	10 U	1.0U			
Chloroethane (5.0)	NS	NS	10U	1.0U	10 U	10 U	1.0U			
Methylene chloride (5.0)	NS	NS	10U	0.2U	10 U	10 U	2.0U			
Acetone *(50 guidance)*	NS	NS	10U	NA	10 U	10 U	5.0U			
Carbon disulfide	NS	NS	10U	NA	10 U	10 U	1.0U			
1,1-Dichloroethene (5.0)	NS	NS	10U	0.2U	10 U	10 U	1.0U			
1,1-Dichloroethane (5.0)	NS	NS	10U	0.2U	10 U	10 U	1.0U			
Chloroform (7.0)	NS	NS	10U	**0.64**	10 U	10 U	**1.0**			
1,2-Dichloroethane (0.6)	NS	NS	10U	0.2U	10 U	10 U	1.0U			
2-Butanone	NS	NS	10U	NA	10 U	10 U	5.0U			
1,1,1-Trichloroethane (5.0)	NS	NS	10U	0.2U	10 U	10 U	1.0U			
Carbon tetrachloride (5.0)	NS	NS	10U	0.2U	10 U	10 U	1.0U			
Bromodichloromethane *(50 guidance)*	NS	NS	10U	0.2U	10 U	10 U	1.0U			
1,2-Dichloropropane (1.0)	NS	NS	10U	1.0U	10 U	10 U	1.0U			
*cis-1,3-Dichloropropene (0.4)	NS	NS	10U	0.20U	10 U	10 U	1.0U			
Trichloroethene (5.0)	NS	NS	**4J**	**5.0**	**3 J**	**4 J**	**4.0**			
Dibromochloromethane *(50 guidance)*	NS	NS	10U	0.2U	10 U	10 U	1.0U			
1,1,2-Trichloroethane (1.0)	NS	NS	10U	0.2U	10 U	10 U	1.0U			
Benzene (1.0)	NS	NS	10U	NA	10 U	10 U	1.0U			
*trans-1,3-Dichloropropene (0.4)	NS	NS	10U	0.2U	10 U	10 U	1.0U			
Bromoform *(50 guidance)*	NS	NS	10U	1.0U	10 U	10 U	1.0U			
4-Methyl-2-pentanone	NS	NS	10U	NA	10 U	10 U	5.0U			
2-Hexanone *(50 guidance)*	NS	NS	10U	NA	10 U	10 U	5.0U			
Tetrachloroethene (5.0)	NS	NS	10U	0.2U	10 U	10 U	1.0U			
Toluene (5.0)	NS	NS	10U	NA	10 U	10 U	1.0U			
1,1,2,2-Tetrachloroethane (5.0)	NS	NS	10U	0.2U	10 U	10 U	1.0U			
Chlorobenzene (5.0)	NS	NS	10U	0.4U	10 U	10 U	1.0U			
Ethylbenzene (5.0)	NS	NS	10U	NA	10 U	10 U	1.0U			
Styrene (5.0)	NS	NS	10U	NA	10 U	10 U	1.0U			
Xylene, total (5.0)	NS	NS	10U	NA	10 U	10 U	1.0U			
Dichlorodifluoromethane (5.0)	NS	NS	NA	1.0U	10 U	10 U	1.0U			
Trichlorofluoromethane (5.0)	NS	NS	NA	1.0U	10 U	10 U	1.0U			
1,1,2-Trichloro-1,2,2-Trifluoroethane (5.0)	NS	NS	NA	NA	10 U	10 U	10U			
trans -1,2-Dichloroethene (5.0)	NS	NS	10U	0.2U	10 U	10 U	1.0U			

Table D - 7 - continued
MW - 104I Historic Data
Volatile Organic Compounds
(ug/l)

Parameter (GW Std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**			
Methyl tert-butyl ether	NS	NS	NA	NA	10 U	10U	10U			
cis-1,2-Dichloroethene (5.0)	NS	NS	**5J**	**15**	**10**	**15**	**2.0**			
Cyclohexane	NS	NS	NA	NA	10 U	10 U	10U			
Methylcyclohexane	NS	NS	NA	NA	10 U	10 U	10U			
1,2-Dibromoethane (0.0006)	NS	NS	NA	1.0U	10 U	10 U	1.0U			
Isopropyl benzene (5.0)	NS	NS	NA	NA	10 U	10 U	1.0U			
1,3-Dichlorobenzene (3.0)	NS	NS	NA	0.4U	10 U	10 U	1.0U			
1,4-Dichlorobenzene (3.0)	NS	NS	NA	0.4U	10 U	10 U	1.0U			
1,2-Dichlorobenzene (3.0)	NS	NS	NA	0.4U	10 U	10 U	1.0U			
1,2-Dibromo-3-chloropropane (0.04)	NS	NS	NA	1.0U	10 U	10 U	1.0U			
1,2,4-Trichlorobenzene (5.0)	NS	NS	NA	NA	10 U	10 U	1.0U			
Methyl acetate	NS	NS	NA	NA	10 U	10 U	10U			
Bromochloromethane (5.0)	NS	NS	NA	0.2U	NA	NA	NA			
Dibromomethane (5.0)	NS	NS	NA	0.2U	NA	NA	NA			
1,3-Dichloropropane (5.0)	NS	NS	NA	0.2U	NA	NA	NA			
2,2-Dichloropropane (5.0)	NS	NS	NA	0.2U	NA	NA	NA			
1,1-Dichloropropene (5.0)	NS	NS	NA	0.2U	NA	NA	NA			
Hexachlorobutadiene (0.50)	NS	NS	NA	0.4U	NA	NA	NA			
1,1,1,2-Tetrachloroethane (5.0)	NS	NS	NA	0.2U	NA	NA	NA			
1,2,3-Trichloropropane (0.04)	NS	NS	NA	1.0U	NA	NA	NA			

U- compound not detected at indicated detection limit
J - compound detected below sample quantitation limit
Shaded areas indicate exceedence of NYSDEC groundwater standards
italics indicates guidance value
* cis-1,3-dichloropropene and trans-1,3-dichloropropene total not to exceed 0.40 ug/l
NS - No sample collected
NA- Compound not analyzed for

Table D -7A
MW - 104I Historic Data
Inorganic Compounds
(ug/l)

Parameter (std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	
Aluminum	NS	NS	531E*	3,960	572	2610	1,620	
Antimony (3)	NS	NS	8U	5.0 U	3.0 U	5.4U	4.1U	
Arsenic (25)	NS	NS	6U	3.4 U	4.0 U	11.2	6.3B	
Barium (1000)	NS	NS	40.4B	109 BE	65.9 B	112B	51.2	
Beryllium (3)	NS	NS	0.4U	0.50 U	1.0 U	0.27B	0.19B	
Cadmium (5)	NS	NS	0.7U	0.60 U	1.4 BN	0.30B	0.59B	
Calcium	NS	NS	14,800*	35,300 E	46,400	48,100E	9,530	
Chromium (50)	NS	NS	2U	3.8 B	1.0 U	1.8B	1.6B	
Cobalt	NS	NS	2U	2.3 B	1.0 U	2.9B	1.7B	
Copper (200)	NS	NS	2.8B	6.7 B	6.2 B	4.2B	2.9B	
Iron (300)	NS	NS	452*	3,790	812	4,990	**2,820N**	
Lead (25)	NS	NS	3U	6.7	2.0 U	2.3U	1.6U	
Magnesium (*35,000 guidance*)	NS	NS	3,730B*	8,910 E	12,400	12,200	3,040B	
Manganese (300)	NS	NS	9.1B	98.6 E	15.3	114	54.0	
Mercury (0.7)	NS	NS	0.2U	0.15 U	0.072 U	0.065U	0.055U	
Nickel (100)	NS	NS	2U	4.2 B	1.6 B	5.1B	4.4B	
Potassium	NS	NS	1,340B	3,260 B	2,220	3,000BE	1,860B	
Selenium (10)	NS	NS	5U	5.0 U	5.0 U	4.0U	2.8U	
Silver (50)	NS	NS	1U	1.5 U	2.0 U	0.50U	0.70U	
Sodium (20000)	NS	NS	9,070	8,690	7,070	7,610	7,690	
Thallium (*0.5 guidance*)	NS	NS	9U	5.0 U	4.0 U	5.7B	3.8U	
Vanadium	NS	NS	1U	6.6 B	1.1 B	4.4B	2.2B	
Zinc (*2000 guidance*)	NS	NS	13.2B	71.1	9.9 B	16.7B	8.5B	

U- not detected at or above detection limit
B - detected below contract required detection limit
E - value estimated due to interference
* - indicates duplicate analysis not within control limits
Shaded Area indicates exceedence of NYSDEC Ground Water Standards
NS - No Sample Collected

Table D - 8
MW - 107IR Historic Data
Volatile Organic Compounds
(ug/l)

Parameter (GW Std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**			
Chloromethane	2.0U	10U	10U	1.0U	10 U	10 U	1.0U			
Bromomethane (5.0)	2.0U	10U	10U	1.0U	10 U	10 U	1.0U			
Vinyl chloride (2.0)	2.0U	10U	10U	1.0U	10 U	10 U	1.0U			
Chloroethane (5.0)	2.0U	10U	10U	1.0U	10 U	10 U	1.0U			
Methylene chloride (5.0)	4.0U	10U	10U	0.2U	10 U	10 U	2.0U			
Acetone *(50 guidance)*	NA	**5J**	**68**	NA	10 U	10 U	5.0U			
Carbon disulfide	NA	10U	**2J**	NA	10 U	10 U	1.0U			
1,1-Dichloroethene (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
1,1-Dichloroethane (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Chloroform (7.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
1,2-Dichloroethane (0.6)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
2-Butanone	NA	10U	10U	NA	10 U	10 U	5.0U			
1,1,1-Trichloroethane (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Carbon tetrachloride (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Bromodichloromethane *(50 guidance)*	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
1,2-Dichloropropane (1.0)	1.0U	10U	10U	1.0U	10 U	10 U	1.0U			
*cis-1,3-Dichloropropene (0.4)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Trichloroethene (5.0)	1.0U	10U	**4J**	0.2U	10 U	10 U	1.0U			
Dibromochloromethane *(50 guidance)*	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
1,1,2-Trichloroethane (1.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Benzene (1.0)	1.0U	10U	10U	NA	10 U	10 U	1.0U			
*trans-1,3-Dichloropropene (0.4)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Bromoform *(50 guidance)*	1.0U	10U	10U	1.0U	10 U	10 U	1.0U			
4-Methyl-2-pentanone	NA	10U	10U	NA	10 U	10 U	5.0U			
2-Hexanone *(50 guidance)*	NA	10U	10U	NA	10 U	10 U	5.0U			
Tetrachloroethene (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Toluene (5.0)	1.0U	10U	**2J**	NA	10 U	10 U	1.0U			
1,1,2,2-Tetrachloroethane (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Chlorobenzene (5.0)	1.0U	10U	10U	0.4U	10 U	10 U	1.0U			
Ethylbenzene (5.0)	1.0U	10U	10U	NA	10 U	10 U	1.0U			
Styrene (5.0)	NA	10U	10U	NA	10 U	10 U	1.0U			
Xylene, total (5.0)	1.0U	10U	10U	NA	10 U	10 U	1.0U			
Dichlorodifluoromethane (5.0)	2.0U	NA	NA	1.0U	10 U	10 U	1.0U			
Trichlorofluoromethane (5.0)	2.0U	NA	NA	1.0U	10 U	10 U	1.0U			
1,1,2-Trichloro-1,2,2-Trifluoroethane (5.0)	NA	NA	NA	NA	10 U	10 U	10U			
trans -1,2-Dichloroethene (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			

Table D - 8 - continued
MW - 107IR Historic Data
Volatile Organic Compounds
(ug/l)

Parameter (GW Std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**			
Methyl tert-butyl ether	NA	NA	NA	NA	10 U	10 U	10U			
cis-1,2-Dichloroethene (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Cyclohexane	NA	NA	NA	NA	10 U	10 U	10U			
Methylcyclohexane	NA	NA	NA	NA	10 U	10 U	10U			
1,2-Dibromoethane (0.0006)	NA	NA	NA	1.0U	10 U	10 U	1.0U			
Isopropyl benzene (5.0)	NA	NA	NA	NA	10 U	10 U	1.0U			
1,3-Dichlorobenzene (3.0)	1.0U	NA	NA	0.4U	10 U	10 U	1.0U			
1,4-Dichlorobenzene (3.0)	1.0U	NA	NA	0.4U	10 U	10 U	1.0U			
1,2-Dichlorobenzene (3.0)	1.0U	NA	NA	0.4U	10 U	10 U	1.0U			
1,2-Dibromo-3-chloropropane (0.04)	NA	NA	NA	1.0U	10 U	10 U	1.0U			
1,2,4-Trichlorobenzene (5.0)	NA	NA	NA	NA	10 U	10 U	1.0U			
Methyl acetate	NA	NA	NA	NA	10 U	10 U	10U			
Bromochloromethane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
Dibromomethane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
1,3-Dichloropropane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
2,2-Dichloropropane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
1,1-Dichloropropene (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
Hexachlorobutadiene (0.50)	NA	NA	NA	0.4U	NA	NA	NA			
1,1,1,2-Tetrachloroethane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
1,2,3-Trichloropropane (0.04)	NA	NA	NA	1.0U	NA	NA	NA			

U- compound not detected at indicated detection limit
J - compound detected below sample quantitation limit
Shaded areas indicate exceedence of NYSDEC groundwater standards
italics indicates guidance value
* cis-1,3-dichloropropene and trans-1,3-dichloropropene total not to exceed 0.40 ug/l
NS - No sample collected
NA- Compound not analyzed for

Table D -8A
MW - 107IR Historic Data
Inorganic Compounds
(ug/l)

Parameter (std/*guidance*)	**1997**	**1998** **10/1**	**12/29**	**1999**	**2000**	**2001**	**2002**	**2003**
Aluminum	6,740*	25,200	21,600	2,730	352,000	164,000	135,000	20,500
Antimony (3)	30.0U	**43.5B**	60U	6UN	**36.2 B**	3.0 U	**15.0B**	4.1U
Arsenic (25)	30.6U	**110**	**46**	4UN	**207**	**95.3**	**78.2**	17.2
Barium (1000)	139	567	544	108B	**2,750 E**	**1450**	**1240**	265
Beryllium (3)	0.30U	1.3B	5U	1U	**19.6**	**7.8**	**6.2**	1.2B
Cadmium (5)	3.8U	0.70U	5.0U	1U	2.2 B	1.0 UN	0.30U	0.30U
Calcium	51,400	41,300	40,400	62,800	112,000 E	101,000	84,800E	59,400
Chromium (50)	29.0	49	42.7	14.7	**534**	**279**	**215**	32.4
Cobalt	8.2	63.8	50.5	16.8B	312	153	128	17.5B
Copper (200)	15.1	55.3	51	6.1B	**421**	**219**	160	19.9B
Iron (300)	**10,700N**	**62,600**	**51,300**	**6,370**	**791,000**	**344,000**	**284,000**	**37,600N**
Lead (25)	22.7U	**60.6**	**62.9**	3U	**319**	**144**	**146**	**28.6**
Magnesium (*35,000 guidance*)	12,400	21,500	20,700	15,800	157,000 E	84,400	72,800	21,400
Manganese (300)	**2,930**	**6,030**	**7,390**	**1,220**	**9,770 E**	**4,570**	**3,700**	**533**
Mercury (0.7)	0.10U	0.10U	0.30U	0.1U	0.23 B	0.072 U	0.242B	0.055U
Nickel (100)	30.2	83	68.8	**135**	**706**	**360**	**300**	41.4
Potassium	4,270	5,400	6,390	10,400	55,200	30,400	22,600E	9,170
Selenium (10)	**46.9**	1.5UW	5U	5UN	**28.7**	**17.6**	6.0	4.3B
Silver (50)	5.0U	2.6B	10U	1U	1.5 U	2.0 U	0.50B	0.70U
Sodium (20000)	6,080	6,720	10,100	19,200	12,700	11,900	8,430	7,310
Thallium (*0.5 guidance*)	34.4U	5.3B	10U	10U	36.0	5.0 B	3.9U	4.6B
Vanadium	11.3*	30.5B	50U	2U	411	187	156	26.5
Zinc (*2000 guidance*)	33.0*	189	254	28.4	1,470	777	631	83.9

U- not detected at or above detection limit
B - detected below contract required detection limit
E - value estimated due to interference
* - indicates duplicate analysis not within control limits
N - Spike sample recovery not within quality control limits
Shaded Area indicates exceedence of NYSDEC Ground Water Standards

Table D - 9
MW - 107SR Historic Data
Volatile Organic Compounds
(ug/l)

Parameter (GW Std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**			
Chloromethane	2.0U	5U	**2J**	1.0U	10 U	10 U	1.0U			
Bromomethane (5.0)	2.0U	5U	10U	1.0U	10 U	10 U	1.0U			
Vinyl chloride (2.0)	2.0U	5U	10U	1.0U	10 U	10 U	1.0U			
Chloroethane (5.0)	2.0U	5U	10U	1.0U	10 U	10 U	1.0U			
Methylene chloride (5.0)	4.0U	5U	10U	0.2U	10 U	10 U	2.0U			
Acetone *(50 guidance)*	NA	**8.2J**	**6J**	NA	**4 J**	10U	5.0U			
Carbon disulfide	NA	10U	10U	NA	10 U	10 U	1.0U			
1,1-Dichloroethene (5.0)	1.0U	5U	10U	0.2U	10 U	10 U	1.0U			
1,1-Dichloroethane (5.0)	1.0U	5U	10U	0.2U	10 U	10 U	1.0U			
Chloroform (7.0)	1.0U	5U	10U	0.2U	10 U	10 U	1.0U			
1,2-Dichloroethane (0.6)	1.0U	5U	10U	0.2U	10 U	10 U	1.0U			
2-Butanone	NA	10U	10U	NA	10 U	10 U	5.0U			
1,1,1-Trichloroethane (5.0)	1.0U	5U	10U	0.2U	10 U	10 U	1.0U			
Carbon tetrachloride (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Bromodichloromethane *(50 guidance)*	1.0U	5U	10U	0.2U	10 U	10 U	1.0U			
1,2-Dichloropropane (1.0)	1.0U	5U	10U	1.0U	10 U	10 U	1.0U			
*cis-1,3-Dichloropropene (0.4)	1.0U	5U	10U	0.2U	10 U	10 U	1.0U			
Trichloroethene (5.0)	1.0U	5U	**4J**	0.2U	10 U	10 U	1.0U			
Dibromochloromethane *(50 guidance)*	1.0U	5U	10U	0.2U	10 U	10 U	1.0U			
1,1,2-Trichloroethane (1.0)	1.0U	5U	10U	0.2U	10 U	10 U	1.0U			
Benzene (1.0)	NR	5U	10U	NA	10 U	10 U	1.0U			
*trans-1,3-Dichloropropene (0.4)	1.0U	5U	10U	0.2U	10 U	10 U	1.0U			
Bromoform *(50 guidance)*	1.0U	5U	10U	1.0U	10 U	10 U	1.0U			
4-Methyl-2-pentanone	NA	5U	10U	NA	10 U	10 U	5.0U			
2-Hexanone *(50 guidance)*	NA	5U	10U	NA	10 U	10 U	5.0U			
Tetrachloroethene (5.0)	1.0U	5U	10U	0.2U	10 U	10 U	1.0U			
Toluene (5.0)	NR	5U	**2J**	NA	10 U	10 U	1.0U			
1,1,2,2-Tetrachloroethane (5.0)	1.0U	5U	10U	0.2U	10 U	10 U	1.0U			
Chlorobenzene (5.0)	1.0U	5U	10U	0.4U	10 U	10 U	1.0U			
Ethylbenzene (5.0)	NR	5U	10U	NA	10 U	10 U	1.0U			
Styrene (5.0)	NA	5U	10U	NA	10 U	10 U	1.0U			
Xylene, total (5.0)	NR	5U	10U	NA	10 U	10 U	1.0U			
Dichlorodifluoromethane (5.0)	1.1	NA	NA	1.0U	10 U	10 U	1.0U			
Trichlorofluoromethane (5.0)	2.0U	NA	NA	1.0U	10 U	10 U	1.0U			
1,1,2-Trichloro-1,2,2-Trifluoroethane (5.0)	NA	NA	NA	NA	10 U	10 U	10U			
trans -1,2-Dichloroethene (5.0)	1.0U	5U	10U	0.2U	10 U	10 U	1.0U			

Table D - 9 - continued
MW - 107SR Historic Data
Volatile Organic Compounds
(ug/l)

Parameter (GW Std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**			
Methyl tert-butyl ether	NA	NA	NA	NA	10 U	10 U	10U			
cis-1,2-Dichloroethene (5.0)	1.0U	5U	10U	0.2U	10 U	10 U	1.0U			
Cyclohexane	NA	NA	NA	NA	10 U	10 U	10U			
Methylcyclohexane	NA	NA	NA	NA	10 U	10 U	10U			
1,2-Dibromoethane (0.0006)	NA	NA	NA	1.0U	10 U	10 U	1.0U			
Isopropyl benzene (5.0)	NA	NA	NA	NA	10 U	10 U	1.0U			
1,3-Dichlorobenzene (3.0)	1.0U	NA	NA	0.4U	10 U	10 U	1.0U			
1,4-Dichlorobenzene (3.0)	1.0U	NA	NA	0.4U	10 U	10 U	1.0U			
1,2-Dichlorobenzene (3.0)	1.0U	NA	NA	0.4U	10 U	10 U	1.0U			
1,2-Dibromo-3-chloropropane (0.04)	NA	NA	NA	1.0U	10 U	10 U	1.0U			
1,2,4-Trichlorobenzene (5.0)	NA	NA	NA	NA	10 U	10 U	1.0U			
Methyl acetate	NA	NA	NA	NA	10 U	10 U	10U			
Bromochloromethane (5.0)	NA	NA	NA	0.20U	NA	NA	NA			
Dibromomethane (5.0)	NA	NA	NA	0.20U	NA	NA	NA			
1,3-Dichloropropane (5.0)	NA	NA	NA	0.20U	NA	NA	NA			
2,2-Dichloropropane (5.0)	NA	NA	NA	0.20U	NA	NA	NA			
1,1-Dichloropropene (5.0)	NA	NA	NA	0.20U	NA	NA	NA			
Hexachlorobutadiene (0.50)	NA	NA	NA	0.40U	NA	NA	NA			
1,1,1,2-Tetrachloroethane (5.0)	NA	NA	NA	0.20U	NA	NA	NA			
1,2,3-Trichloropropane (0.04)	NA	NA	NA	1.0U	NA	NA	NA			

U- compound not detected at indicated detection limit
J - compound detected below sample quantitation limit
Shaded areas indicate exceedence of NYSDEC groundwater standards
italics indicates guidance value
* cis-1,3-dichloropropene and trans-1,3-dichloropropene total not to exceed 0.40 ug/l
X - Questionable, not confirmed by second column analysis
NS - No sample collected
NA- Compound not analyzed for

Table D -9A
MW - 107SR Historic Data
Inorganic Compounds
(ug/l)

Parameter (std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	
Aluminum	NS	NR	15,900	41,900	116,000	58,900	881	
Antimony (3)	NS	NR	6UN	**5.8 B**	3.0U	**8.6B**	4.1U	
Arsenic (25)	NS	10.8	9.9BN	**34.2**	**110**	**36.5**	3.3U	
Barium (1000)	NS	NR	326	410 E	**1230**	408	38.9B	
Beryllium (3)	NS	NR	1U	2.8 B	**6.3**	2.8B	0.14B	
Cadmium (5)	NS	NR	1U	0.60 U	1.0 UN	**11.9**	0.72B	
Calcium	NS	NR	69,400	54,100 E	190,000	274,000E	20,500	
Chromium (50)	NS	NR	**83.1**	45.7	**133**	**71.9**	0.90U	
Cobalt	NS	NR	18.9B	26.4 B	93.3	32.6B	0.88B	
Copper (200)	NS	NR	25.4	48.2	**222**	97.7	2.9B	
Iron (300)	NS	NR	**31,400**	**64,000**	**216,000**	**76,000**	**1,220N**	
Lead (25)	NS	NR	12.3	20.3	**80.5**	**42.2**	1.6U	
Magnesium (*35,000 guidance*)	NS	NR	12,900	18,000 E	50,900	31,100	5,060	
Manganese (300)	NS	NR	**1,300**	**1,270 E**	**6,050**	**2,340**	211	
Mercury (0.7)	NS	NR	0.1U	0.15 U	0.072 U	0.087B	0.055U	
Nickel (100)	NS	NR	33.3B	52.2	**187**	67.9	4.2B	
Potassium	NS	NR	9,940	14,200	17,400	7,670E	1,530B	
Selenium (10)	NS	NR	6N	5.0 U	**13.5**	4.0U	2.8U	
Silver (50)	NS	NR	1U	1.5 U	2.0 U	0.50U	0.70U	
Sodium (20000)	NS	NR	10,600	5,430	5,690	5,250	5,660	
Thallium (*0.5 guidance*)	NS	NR	10U	5.0 U	4.0 U	3.9U	3.8U	
Vanadium	NS	NR	17.8	60.1	144	75.8	1.4B	
Zinc (*2000 guidance*)	NS	NR	127	142	743	443	6.2B	

U- not detected at or above detection limit
B - detected below contract required detection limit
E - value estimated due to interference
* - indicates duplicate analysis not within control limits
N - Spike sample recovery not within quality control limits
Shaded Area indicates exceedence of NYSDEC Ground Water Standards
NS - No Sample Collected
NR - Result not reported

Table D - 10
MW - 108D Historic Data
Volatile Organic Compounds
(ug/l)

Parameter (GW Std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**			
Chloromethane	2.0U	10U	10U	1.0U	10 U	10 U	1.0U			
Bromomethane (5.0)	2.0U	10U	10U	1.0U	10 U	10 U	1.0U			
Vinyl chloride (2.0)	2.0U	10U	10U	1.0U	10 U	10 U	1.0U			
Chloroethane (5.0)	2.0U	10U	10U	1.0U	10 U	10 U	1.0U			
Methylene chloride (5.0)	4.0U	10U	10U	0.2U	10 U	10 U	2.0U			
Acetone *(50 guidance)*	NA	10U	10U	NA	10 U	10 U	5.0U			
Carbon disulfide	NA	10U	10U	NA	10 U	10 U	1.0U			
1,1-Dichloroethene (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
1,1-Dichloroethane (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Chloroform (7.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
1,2-Dichloroethane (0.6)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
2-Butanone	NA	10U	10U	NA	10 U	10 U	5.0U			
1,1,1-Trichloroethane (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Carbon tetrachloride (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Bromodichloromethane *(50 guidance)*	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
1,2-Dichloropropane (1.0)	1.0U	10U	10U	1.0U	10 U	10 U	1.0U			
*cis-1,3-Dichloropropene (0.4)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Trichloroethene (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Dibromochloromethane *(50 guidance)*	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
1,1,2-Trichloroethane (1.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Benzene (1.0)	10U	10U	10U	NA	10 U	10 U	1.0U			
*trans-1,3-Dichloropropene (0.4)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Bromoform *(50 guidance)*	1.0U	10U	10U	1.0U	10 U	10 U	1.0U			
4-Methyl-2-pentanone	NA	10U	10U	NA	10 U	10 U	5.0U			
2-Hexanone *(50 guidance)*	NA	10U	10U	NA	10 U	10 U	5.0U			
Tetrachloroethene (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Toluene (5.0)	10U	10U	10U	NA	10 U	10 U	1.0U			
1,1,2,2-Tetrachloroethane (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Chlorobenzene (5.0)	1.0U	10U	10U	0.4U	10 U	10 U	1.0U			
Ethylbenzene (5.0)	10U	10U	10U	NA	10 U	10 U	1.0U			
Styrene (5.0)	NA	10U	10U	NA	10 U	10 U	1.0U			
Xylene, total (5.0)	10U	10U	10U	NA	10 U	10 U	1.0U			
Dichlorodifluoromethane (5.0)	2.0U	NA	NA	1.0U	10 U	10 U	1.0U			
Trichlorofluoromethane (5.0)	2.0U	NA	NA	1.0U	10 U	10 U	1.0U			
1,1,2-Trichloro-1,2,2-Trifluoroethane (5.0)	NA	NA	NA	NA	10 U	10 U	10U			
trans -1,2-Dichloroethene (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			

Table D - 10 - continued
MW - 108D Historic Data
Volatile Organic Compounds
(ug/l)

Parameter (GW Std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**			
Methyl tert-butyl ether	NA	NA	NA	NA	10 U	10 U	10U			
cis-1,2-Dichloroethene (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Cyclohexane	NA	NA	NA	NA	10 U	10 U	10U			
Methylcyclohexane	NA	NA	NA	NA	10 U	10 U	10U			
1,2-Dibromoethane (0.0006)	NA	NA	NA	1.0U	10 U	10 U	1.0U			
Isopropyl benzene (5.0)	NA	NA	NA	NA	10 U	10 U	1.0U			
1,3-Dichlorobenzene (3.0)	1.0U	NA	NA	0.4U	10 U	10 U	1.0U			
1,4-Dichlorobenzene (3.0)	1.0U	NA	NA	0.4U	10 U	10 U	1.0U			
1,2-Dichlorobenzene (3.0)	1.0U	NA	NA	0.4U	10 U	10 U	1.0U			
1,2-Dibromo-3-chloropropane (0.04)	NA	NA	NA	1.0U	10 U	10 U	1.0U			
1,2,4-Trichlorobenzene (5.0)	NA	NA	NA	NA	10 U	10 U	1.0U			
Methyl acetate	NA	NA	NA	NA	10 U	10 U	10U			
Bromochloromethane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
Dibromomethane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
1,3-Dichloropropane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
2,2-Dichloropropane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
1,1-Dichloropropene (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
Hexachlorobutadiene (0.50)	NA	NA	NA	0.4U	NA	NA	NA			
1,1,1,2-Tetrachloroethane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
1,2,3-Trichloropropane (0.04)	NA	NA	NA	1.0U	NA	NA	NA			

U- compound not detected at indicated detection limit
J - compound detected below sample quantitation limit
Shaded areas indicate exceedence of NYSDEC groundwater standards
italics indicates guidance value
* cis-1,3-dichloropropene and trans-1,3-dichloropropene total not to exceed 0.40 ug/l
NS - No sample collected
NA- Compound not analyzed for

Table D -10A
MW - 108D Historic Data
Inorganic Compounds
(ug/l)

Parameter (std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	
Aluminum	2,230*	13,700	1,070E*	303	407	32.5U	757	
Antimony (3)	30.0U	35.9U	8U	5.0 U	3.0 U	5.4U	4.1U	
Arsenic (25)	30.6U	**53**	6U	3.4 U	4.0 U	4.0U	6.0B	
Barium (1000)	175	284	118B	102 BE	92.2	138B	154B	
Beryllium (3)	0.30U	0.86B	0.63B	0.50 U	1.0 U	0.20U	0.21B	
Cadmium (5)	3.8U*	0.70U	1.1B	0.76 B	1.0 UN	0.30U	0.68B	
Calcium	28,600	31,000	25,700*	20,900 E	17,200	32,000E	32,500	
Chromium (50)	7.2	19.7	2B	1.2 U	1.0 U	0.60U	1.5B	
Cobalt	4.1U	16.1B	2U	1.0 U	1.0 U	0.50U	0.98B	
Copper (200)	11.0	25.5	6.1B	2.9 B	4.2 B	0.97B	5.1B	
Iron (300)	**5,560N**	**35,000**	**2,030***	**915**	**1,530**	**510**	**2780N**	
Lead (25)	22.7U	11.5	3.4	2.6 U	2.4 B	2.3U	1.6U	
Magnesium (*35,000 guidance*)	10,500	15,700	11,200*	12,000 E	13,300	14,700	13,200	
Manganese (300)	**345**	**790**	211	164 E	96.9	239	**336**	
Mercury (0.7)	0.10U	0.10U	0.2U	0.15 U	0.072 U	0.065U	0.055U	
Nickel (100)	10.5U	31.0B	2.8B	1.5 U	3.2 B	1.0U	3.0B	
Potassium	3,150	4,960B	2,540B	2,660 B	2,950 B	2,610BE	2,660B	
Selenium (10)	42.6U	1.5U	5U	5.0 U	5.0 U	4.0U	2.8U	
Silver (50)	5.0U	0.89B	1U	1.5 U	2.0 U	0.58B	0.70U	
Sodium (20000)	4,890	5,180	5,770	3,910 B	4,320 B	3,760B	4,010B	
Thallium (*0.5 guidance*)	34.4U	18.5	9U	5.0 U	4.0 U	3.9U	3.8U	
Vanadium	4.7*	17.0B	2.8B	1.0 U	1.0 U	0.70U	1.3B	
Zinc (*2000 guidance*)	38.7*	85.5	10B	15.8 B	17.8 B	7.3B	10.1B	

U- not detected at or above detection limit
B - detected below contract required detection limit
E - value estimated due to interference
* - indicates duplicate analysis not within control limits
N - Spike sample recovery not within quality control limits
Shaded Area indicates exceedence of NYSDEC Ground Water Standards

Table D - 11
MW - 108I Historic Data
Volatile Organic Compounds
(ug/l)

Parameter (GW Std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**			
Chloromethane	2.0U	10U	10U	1.0U	10 U	10 U	1.0U			
Bromomethane (5.0)	2.0U	10U	10U	1.0U	10 U	10 U	1.0U			
Vinyl chloride (2.0)	2.0U	10U	10U	1.0U	10 U	10 U	1.0U			
Chloroethane (5.0)	2.0U	10U	10U	1.0U	10 U	10 U	1.0U			
Methylene chloride (5.0)	4.0U	10U	10U	0.2U	10 U	10 U	2.0U			
Acetone *(50 guidance)*	NA	10U	10U	NA	10 U	10 U	5.0U			
Carbon disulfide	NA	10U	10U	NA	10 U	10 U	1.0U			
1,1-Dichloroethene (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
1,1-Dichloroethane (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Chloroform (7.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
1,2-Dichloroethane (0.6)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
2-Butanone	NA	10U	10U	NA	10 U	10 U	5.0U			
1,1,1-Trichloroethane (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Carbon tetrachloride (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Bromodichloromethane *(50 guidance)*	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
1,2-Dichloropropane (1.0)	1.0U	10U	10U	1.0U	10 U	10 U	1.0U			
*cis-1,3-Dichloropropene (0.4)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Trichloroethene (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Dibromochloromethane *(50 guidance)*	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
1,1,2-Trichloroethane (1.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Benzene (1.0)	10U	10U	10U	NA	10 U	10 U	1.0U			
*trans-1,3-Dichloropropene (0.4)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Bromoform *(50 guidance)*	1.0U	10U	10U	1.0U	10 U	10 U	1.0U			
4-Methyl-2-pentanone	NA	10U	10U	NA	10 U	10 U	5.0U			
2-Hexanone *(50 guidance)*	NA	10U	10U	NA	10 U	10 U	5.0U			
Tetrachloroethene (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Toluene (5.0)	10U	10U	10U	NA	10 U	10 U	1.0U			
1,1,2,2-Tetrachloroethane (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Chlorobenzene (5.0)	1.0U	10U	10U	0.4U	10 U	10 U	1.0U			
Ethylbenzene (5.0)	10U	10U	10U	NA	10 U	10 U	1.0U			
Styrene (5.0)	NA	10U	10U	NA	10 U	10 U	1.0U			
Xylene, total (5.0)	10U	10U	10U	NA	10 U	10 U	1.0U			
Dichlorodifluoromethane (5.0)	2.0U	NA	NA	1.0U	10 U	10 U	1.0U			
Trichlorofluoromethane (5.0)	2.0U	NA	NA	1.0U	10 U	10 U	1.0U			
1,1,2-Trichloro-1,2,2-Trifluoroethane (5.0)	NA	NA	NA	NA	10 U	10 U	10U			
trans -1,2-Dichloroethene (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			

Table D - 11 - continued
MW - 108I Historic Data
Volatile Organic Compounds
(ug/l)

Parameter (GW Std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**			
Methyl tert-butyl ether	NA	NA	NA	NA	10 U	10 U	10U			
cis-1,2-Dichloroethene (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Cyclohexane	NA	NA	NA	NA	10 U	10 U	10U			
Methylcyclohexane	NA	NA	NA	NA	10 U	10 U	10U			
1,2-Dibromoethane (0.0006)	NA	NA	NA	1.0U	10 U	10 U	1.0U			
Isopropyl benzene (5.0)	NA	NA	NA	NA	10 U	10 U	1.0U			
1,3-Dichlorobenzene (3.0)	1.0U	NA	NA	0.4U	10 U	10 U	1.0U			
1,4-Dichlorobenzene (3.0)	1.0U	NA	NA	0.4U	10 U	10 U	1.0U			
1,2-Dichlorobenzene (3.0)	1.0U	NA	NA	0.4U	10 U	10 U	1.0U			
1,2-Dibromo-3-chloropropane (0.04)	NA	NA	NA	1.0U	10 U	10 U	1.0U			
1,2,4-Trichlorobenzene (5.0)	NA	NA	NA	NA	10 U	10 U	1.0U			
Methyl acetate	NA	NA	NA	NA	10 U	10 U	10U			
Bromochloromethane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
Dibromomethane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
1,3-Dichloropropane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
2,2-Dichloropropane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
1,1-Dichloropropene (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
Hexachlorobutadiene (0.50)	NA	NA	NA	0.4U	NA	NA	NA			
1,1,1,2-Tetrachloroethane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
1,2,3-Trichloropropane (0.04)	NA	NA	NA	1.0U	NA	NA	NA			

U- compound not detected at indicated detection limit
J - compound detected below sample quantitation limit
Shaded areas indicate exceedence of NYSDEC groundwater standards
italics indicates guidance value
* cis-1,3-dichloropropene and trans-1,3-dichloropropene total not to exceed 0.40 ug/l
NS - No sample collected
NA- Compound not analyzed for

Table D -11A
MW - 108I Historic Data
Inorganic Compounds
(ug/l)

Parameter (std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	
Aluminum	10,300*	2,880E*	3,160E*	382	1290	2750	1,470	
Antimony (3)	30.0U	**49.1BN**	8U	5.0 U	3.0 U	**7.7B**	4.1U	
Arsenic (25)	30.6U	**72.6**	6U	3.4 U	5.3 B	4.0U	4.7B	
Barium (1000)	134	197B	73.5B	60.8 BE	75.7 B	89.7B	104B	
Beryllium (3)	0.55	1.2B	0.4U	0.50 U	1.0 U	0.32B	0.21B	
Cadmium (5)	3.8U*	1.0B	4.2B	0.60 U	1.0 UN	0.40B	1.0B	
Calcium	48,500	27,800	34700*	33,300 E	35,100	37,700E	30,200	
Chromium (50)	41.0	8.9B	3B	1.2 U	3.0 B	3.2B	2.2B	
Cobalt	5.7	4.8B	2U	1.0 U	1.6 B	2.4B	1.4B	
Copper (200)	17.2	12.3B	5.9B	2.3 B	5.2 B	4.0B	2.1B	
Iron (300)	**15,400N**	**32,600**	**2,850***	**408**	**2,860**	**5,280**	**2,600N**	
Lead (25)	22.7U	10.0	3U	2.6 U	2.0 U	2.3U	1.6U	
Magnesium (*35,000 guidance*)	21,200	21,800	16800*	17,600 E	17,600	17,800	12,100	
Manganese (300)	**374**	243	127	8.8 BE	60.4	88.1	51.7	
Mercury (0.7)	0.10U	0.10U	0.2U	0.15 U	0.072 U	0.078B	0.055U	
Nickel (100)	37.7	9.7B	4.9B	1.5 U	5.9 B	5.0B	3.8B	
Potassium	7,180	8,610	4,450B	3,290 B	3,840 B	4,350BE	3,270B	
Selenium (10)	42.6U	1.5U	5U	5.0 U	5.0 U	4.0U	2.8U	
Silver (50)	5.0U	2.6B	1U	1.5 U	2.0 U	0.50U	0.70U	
Sodium (20000)	3,930	3,820B	4,320B	3,300 B	3,670 B	3,430B	3,470B	
Thallium (*0.5 guidance*)	38.4	29.7	9U	5.0 U	4.0 U	3.9U	3.8U	
Vanadium	17.4*	3.9B	3.1B	1.0 U	1.9 B	3.9B	1.9B	
Zinc (*2000 guidance*)	74.6*	126E	13.5B	11.3 B	17.1 B	13.4B	8.3B	

U- not detected at or above detection limit
B - detected below contract required detection limit
E - value estimated due to interference
* - indicates duplicate analysis not within control limits
N - Spike sample recovery not within quality control limits
Shaded Area indicates exceedence of NYSDEC Ground Water Standards

Table D - 12
MW - 109 Historic Data
Volatile Organic Compounds
(ug/l)

Parameter (GW Std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**			
Chloromethane	2.0U	10U	10U	1.0U	10 U	10 U	1.0U			
Bromomethane (5.0)	2.0U	10U	10U	1.0U	10 U	10 U	1.0U			
Vinyl chloride (2.0)	2.0U	10U	10U	1.0U	10 U	10 U	1.0U			
Chloroethane (5.0)	2.0U	10U	10U	1.0U	10 U	10 U	1.0U			
Methylene chloride (5.0)	4.0U	10U	10U	0.2U	10 U	10 U	2.0U			
Acetone *(50 guidance)*	NA	10U	10U	NA	10 U	**2J**	**7.0**			
Carbon disulfide	NA	10U	10U	NA	10 U	10 U	1.0U			
1,1-Dichloroethene (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
1,1-Dichloroethane (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Chloroform (7.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
1,2-Dichloroethane (0.6)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
2-Butanone	NA	10U	10U	NA	10 U	10 U	5.0U			
1,1,1-Trichloroethane (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Carbon tetrachloride (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Bromodichloromethane *(50 guidance)*	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
1,2-Dichloropropane (1.0)	1.0U	10U	10U	1.0U	10 U	10 U	1.0U			
*cis-1,3-Dichloropropene (0.4)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Trichloroethene (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Dibromochloromethane *(50 guidance)*	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
1,1,2-Trichloroethane (1.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Benzene (1.0)	10U	10U	10U	NA	10 U	10 U	1.0U			
*trans-1,3-Dichloropropene (0.4)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Bromoform *(50 guidance)*	1.0U	10U	10U	1.0U	10 U	10 U	1.0U			
4-Methyl-2-pentanone	NA	10U	10U	NA	10 U	10 U	5.0U			
2-Hexanone *(50 guidance)*	NA	10U	10U	NA	10 U	10 U	5.0U			
Tetrachloroethene (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Toluene (5.0)	10U	10U	10U	NA	10 U	10 U	1.0U			
1,1,2,2-Tetrachloroethane (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Chlorobenzene (5.0)	1.0U	10U	10U	0.4U	10 U	10 U	1.0U			
Ethylbenzene (5.0)	10U	10U	10U	NA	10 U	10 U	1.0U			
Styrene (5.0)	NA	10U	10U	NA	10 U	10 U	1.0U			
Xylene, total (5.0)	10U	10U	10U	NA	10 U	10 U	1.0U			
Dichlorodifluoromethane (5.0)	2.0U	NA	NA	1.0U	10 U	10 U	1.0U			
Trichlorofluoromethane (5.0)	2.0U	NA	NA	1.0U	10 U	10 U	1.0U			
1,1,2-Trichloro-1,2,2-Trifluoroethane (5.0)	NA	NA	NA	NA	10 U	10 U	10U			
trans -1,2-Dichloroethene (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			

Table D - 12 - continued
MW - 109 Historic Data
Volatile Organic Compounds
(ug/l)

Parameter (GW Std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**			
Methyl tert-butyl ether	NA	NA	NA	NA	10 U	10 U	10U			
cis-1,2-Dichloroethene (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Cyclohexane	NA	NA	NA	NA	10 U	10 U	10U			
Methylcyclohexane	NA	NA	NA	NA	10 U	10 U	10U			
1,2-Dibromoethane (0.0006)	NA	NA	NA	1.0U	10 U	10 U	1.0U			
Isopropyl benzene (5.0)	NA	NA	NA	NA	10 U	10 U	1.0U			
1,3-Dichlorobenzene (3.0)	1.0U	NA	NA	0.4U	10 U	10 U	1.0U			
1,4-Dichlorobenzene (3.0)	1.0U	NA	NA	0.4U	10 U	10 U	1.0U			
1,2-Dichlorobenzene (3.0)	1.0U	NA	NA	0.4U	10 U	10 U	1.0U			
1,2-Dibromo-3-chloropropane (0.04)	NA	NA	NA	1.0U	10 U	10 U	1.0U			
1,2,4-Trichlorobenzene (5.0)	NA	NA	NA	NA	10 U	10 U	1.0U			
Methyl acetate	NA	NA	NA	NA	10 U	10 U	10U			
Bromochloromethane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
Dibromomethane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
1,3-Dichloropropane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
2,2-Dichloropropane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
1,1-Dichloropropene (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
Hexachlorobutadiene (0.50)	NA	NA	NA	0.4U	NA	NA	NA			
1,1,1,2-Tetrachloroethane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
1,2,3-Trichloropropane (0.04)	NA	NA	NA	1.0U	NA	NA	NA			

U- compound not detected at indicated detection limit
J - compound detected below sample quantitation limit
Shaded areas indicate exceedence of NYSDEC groundwater standards
italics indicates guidance value
* cis-1,3-dichloropropene and trans-1,3-dichloropropene total not to exceed 0.40 ug/l
NS - No sample collected
NA- Compound not analyzed for

Table D -12A
MW - 109 Historic Data
Inorganic Compounds
(ug/l)

Parameter (std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	
Aluminum	314*	383	136BE*	119 B	151	32.5U	205	
Antimony (3)	30.0U	35.9U	8U	5.0 U	3.0 U	5.4U	4.1U	
Arsenic (25)	30.6U	6.6B	6U	3.4 U	4.0 U	4.0U	3.9B	
Barium (1000)	116	124B	59.1B	81.2 BE	65.6 B	150B	107B	
Beryllium (3)	0.30U	0.76B	0.4U	0.50 U	1.0 U	0.20U	0.12B	
Cadmium (5)	3.8U*	0.70U	0.7U	0.60 U	1.0 UN	0.30U	1.3B	
Calcium	32,900	33,200	16,800*	23,900 E	19,100	34,000E	27,600	
Chromium (50)	3.1U	9.2B	2.6B	1.2 U	1.0 U	0.60U	1.9B	
Cobalt	4.1U	4.1B	2U	1.0 U	1.0 U	0.76B	1.8B	
Copper (200)	8.5	5.3B	2.7B	3.2 B	1.0 U	2.6B	14.4B	
Iron (300)	**8,640N**	**4,120**	**1,630***	**1,110**	**2,570**	**2,920**	**2,290N**	
Lead (25)	22.7U	1.7U	3U	2.6 U	2.0 U	2.3U	1.6U	
Magnesium (*35,000 guidance*)	8,720	10,300	6,400*	9,090 E	9,340	12,100	11,700	
Manganese (300)	290	**344**	81.6	98.5 E	82.9	271	167	
Mercury (0.7)	0.10U	0.10U	0.2U	0.15 U	0.072 U	0.080B	0.055U	
Nickel (100)	10.5U	9.3B	2U	1.6 B	1.5 U	1.0U	4.9B	
Potassium	2,150	2,410B	2,110B	2,560 B	2,780 B	3,180BE	3,200B	
Selenium (10)	42.6U	1.5U	5U	5.0 U	5.0 U	4.0U	2.8U	
Silver (50)	5.0U	1.9B	1U	1.5 U	2.0 U	0.54B	0.70U	
Sodium (20000)	4,390	3,280B	4,490B	3,900 B	4,120 B	3,810B	4,070B	
Thallium (*0.5 guidance*)	34.4U	5.4B	9U	5.0 U	4.0 U	3.9U	3.8U	
Vanadium	4.6U*	2.3U	1U	1.0 U	1.0 U	0.70U	0.80U	
Zinc (*2000 guidance*)	12.4*	159	8.9B	12.2 B	4.4 B	4.1B	13.3B	

U- not detected at or above detection limit
B - detected below contract required detection limit
E - value estimated due to interference
* - indicates duplicate analysis not within control limits
N - Spike sample recovery not within quality control limits
Shaded Area indicates exceedence of NYSDEC Ground Water Standards

Table D - 13
MW - 113 Historic Data
Volatile Organic Compounds
(ug/l)

Parameter (GW Std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**			
Chloromethane	2.0U	10U	10U	1.0U	10 U	10 U	1.0U			
Bromomethane (5.0)	2.0U	10U	10U	1.0U	10 U	10 U	1.0U			
Vinyl chloride (2.0)	2.0U	10U	10U	1.0U	10 U	10 U	1.0U			
Chloroethane (5.0)	2.0U	10U	10U	1.0U	10 U	10 U	1.0U			
Methylene chloride (5.0)	4.0U	10U	10U	0.2U	10 U	10 U	2.0U			
Acetone *(50 guidance)*	NA	**5J**	10U	NA	**2 J**	**7J**	**6.0**			
Carbon disulfide	NA	10U	10U	NA	10 U	10 U	1.0U			
1,1-Dichloroethene (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
1,1-Dichloroethane (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Chloroform (7.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
1,2-Dichloroethane (0.6)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
2-Butanone	NA	10U	10U	NA	10 U	10 U	5.0U			
1,1,1-Trichloroethane (5.0)	NR	10U	10U	0.2U	10 U	10 U	1.0U			
Carbon tetrachloride (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Bromodichloromethane *(50 guidance)*	1.0U	10U	10U	0.20U	10 U	10 U	1.0U			
1,2-Dichloropropane (1.0)	1.0U	10U	10U	1.0U	10 U	10 U	1.0U			
*cis-1,3-Dichloropropene (0.4)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Trichloroethene (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Dibromochloromethane *(50 guidance)*	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
1,1,2-Trichloroethane (1.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Benzene (1.0)	10U	10U	10U	NA	10 U	10 U	1.0U			
*trans-1,3-Dichloropropene (0.4)	NR	10U	10U	0.2U	10 U	10 U	1.0U			
Bromoform *(50 guidance)*	NR	10U	10U	1.0U	10 U	10 U	1.0U			
4-Methyl-2-pentanone	NA	10U	10U	NA	10 U	10 U	5.0U			
2-Hexanone *(50 guidance)*	NA	10U	10U	NA	10 U	10 U	5.0U			
Tetrachloroethene (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Toluene (5.0)	10U	10U	10U	NA	10 U	10 U	1.0U			
1,1,2,2-Tetrachloroethane (5.0)	1.0U	10U	10U	0.2U	10 U	10 U	1.0U			
Chlorobenzene (5.0)	1.0U	10U	10U	0.4U	10 U	10 U	1.0U			
Ethylbenzene (5.0)	10U	10U	10U	NA	10 U	10 U	1.0U			
Styrene (5.0)	NA	10U	10U	NA	10 U	10 U	1.0U			
Xylene, total (5.0)	10U	10U	10U	NA	10 U	10 U	1.0U			
Dichlorodifluoromethane (5.0)	NR	NA	NA	1.0U	10 U	10 U	1.0U			
Trichlorofluoromethane (5.0)	NR	NA	NA	1.0U	10 U	10 U	1.0U			
1,1,2-Trichloro-1,2,2-Trifluoroethane (5.0)	NA	NA	NA	NA	10 U	10 U	10U			
trans -1,2-Dichloroethene (5.0)	NR	10U	10U	0.2U	10 U	10 U	1.0U			

Table D - 13 - continued
MW - 113 Historic Data
Volatile Organic Compounds
(ug/l)

Parameter (GW Std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**			
Methyl tert-butyl ether	NA	NA	NA	NA	10 U	10 U	10U			
cis-1,2-Dichloroethene (5.0)	NR	10U	10U	0.2U	10 U	10 U	1.0U			
Cyclohexane	NA	NA	NA	NA	10 U	10 U	10U			
Methylcyclohexane	NA	NA	NA	NA	10 U	10 U	10U			
1,2-Dibromoethane (0.0006)	NA	NA	NA	1.0U	10 U	10 U	1.0U			
Isopropyl benzene (5.0)	NA	NA	NA	NA	10 U	10 U	1.0U			
1,3-Dichlorobenzene (3.0)	NR	NA	NA	0.4U	10 U	10 U	1.0U			
1,4-Dichlorobenzene (3.0)	NR	NA	NA	0.4U	10 U	10 U	1.0U			
1,2-Dichlorobenzene (3.0)	NR	NA	NA	0.4U	10 U	10 U	1.0U			
1,2-Dibromo-3-chloropropane (0.04)	NA	NA	NA	1.0U	10 U	10 U	1.0U			
1,2,4-Trichlorobenzene (5.0)	NA	NA	NA	NA	10 U	10 U	1.0U			
Methyl acetate	NA	NA	NA	NA	10 U	10 U	10U			
Bromochloromethane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
Dibromomethane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
1,3-Dichloropropane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
2,2-Dichloropropane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
1,1-Dichloropropene (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
Hexachlorobutadiene (0.50)	NA	NA	NA	0.4U	NA	NA	NA			
1,1,1,2-Tetrachloroethane (5.0)	NA	NA	NA	0.2U	NA	NA	NA			
1,2,3-Trichloropropane (0.04)	NA	NA	NA	1.0U	NA	NA	NA			

U- compound not detected at indicated detection limit
J - compound detected below sample quantitation limit
Shaded areas indicate exceedence of NYSDEC groundwater standards
italics indicates guidance value
* cis-1,3-dichloropropene and trans-1,3-dichloropropene total not to exceed 0.40 ug/l
NS - No sample collected
NA- Compound not analyzed for
NR - Result not reported

Table D -13A
MW - 113 Historic Data
Inorganic Compounds
(ug/l)

Parameter (std/*guidance*)	**1997**	**1998**	**1999**	**2000**	**2001**	**2002**	**2003**	
Aluminum	NS	23,600	11,600E*	19,400	3,520	17,000	13,900	
Antimony (3)	NS	35.9U	8U	**5.2 B**	3.0 U	**6.5B**	4.1U	
Arsenic (25)	NS	**75.0**	6.8B	17.3	8.4 B	**29.5**	23.6	
Barium (1000)	NS	115B	104B	166 BE	56.3	214	151B	
Beryllium (3)	NS	1.3B	0.4U	1.2 B	1.0 U	0.95B	0.87B	
Cadmium (5)	NS	0.70U	0.73B	2.5 B	1.0 UN	0.30U	0.30U	
Calcium	NS	54,300	52,600*	67,100 E	62,000	61,000E	60,200	
Chromium (50)	NS	38.5	14.1	28.0	3.4 B	26.9	17.6	
Cobalt	NS	36.2	6.7B	19.2 B	7.4 B	17.8B	14.7	
Copper (200)	NS	79.8	41.8	109	14.9 B	45.4	28.9	
Iron (300)	NS	**54,700**	**19,600***	**43,700**	**9,140**	**40,800**	**29,000N**	
Lead (25)	NS	34.7	8.6	**31.0**	8.1	**25.3**	15.9	
Magnesium (*35,000 guidance*)	NS	28,600	20,400*	26,600 E	25,200	25,300	26,100	
Manganese (300)	NS	**986**	**479**	**1210 E**	**325**	**910**	**702**	
Mercury (0.7)	NS	0.10U	0.2U	0.15 U	0.072 U	0.187B	0.055U	
Nickel (100)	NS	59.5	20.6B	42.3	15.0 B	45.5	30.7B	
Potassium	NS	5,430	7,620	12,900	7,690	9,110E	7,260	
Selenium (10)	NS	1.5UW	5U	5.0 U	5.0 U	4.0B	2.8U	
Silver (50)	NS	1.4B	1U	1.5 U	2.0 U	0.50U	0.70U	
Sodium (20000)	NS	6,350	7,500	5,550	5,200	4,660B	4,500B	
Thallium (*0.5 guidance*)	NS	18.3	9U	5.0 U	4.0 U	3.9U	3.8U	
Vanadium	NS	28.1B	15.1B	26.7 B	4.7 B	21.2B	17.4B	
Zinc (*2000 guidance*)	NS	173	62.9	248	31.7	91	62.0	

U- not detected at or above detection limit
B - detected below contract required detection limit
E - value estimated due to interference
* - indicates duplicate analysis not within control limits
N - Spike sample recovery not within quality control limits
W - Post digestion spike for Furnace AA analysis is out of quality control limits
Shaded Area indicates exceedence of NYSDEC Ground Water Standards
NS - No Sample Collected

Appendix E

Leachate Collection Tank Monitoring and Leachate Removal Log

Patton's Busy Bee Disposal Site
Site No. 9-02-014

Leachate Tank Monitoring

Tank #BB-T1-North

North Tank: Estimated Capacity: 15,000 gallons
Distance from Top of Standpipe to Bottom of Tank: 12.4'
Tank Diameter: 10' (est)
Tank Length: 25' (est)

BB-T1-North

Leachate Tank Measurement							
Date	Depth	Date	Depth	Date	Depth	Date	Depth
9/11/97	**8.05'**	**9/30/98**	**0.6'**	**10/15/99**	**9.8'**	**7/5/00**	**0.7'**
9/17/97	**8.05'**	**12/29/98**	**~8'**	**11/10/99**	**6.1'**	**8/3/00**	**12.0'**
10/21/97	**0.6'**	**4/1/99**	**pumping**	**12/2/99**	**9.9'**	**8/21/00**	**12.0'**
11/12/97	**0.63'**	**4/9/99**	**12.1'**	**12/10/99**	**9.5'**	**9/6/00**	**12.0'**
11/25/97	**6.20'**	**4/19/99**	**11.3'**	**12/30/99**	**5.6'**	**9/18/00**	**12.0'**
12/10/97	**9.83'**	**5/7/99**	**2.3'**	**1/11/00**	**0.5'**	**10/19/00**	**8.25'**
1/14/98	**0.5'**	**5/25/99**	**9.4'**	**2/8/00**	**0.5'**	**12/26/00**	**6.30'**
3/6/98	**0.33'**	**7/12/99**	**9.5'**	**3/20/00**	**0.08'**	**2/9/01**	**0.15'**
4/24/98	**0.5'**	**7/29/99**	**9.0'**	**4/10/00**	**full**	**3/20/01**	**0.6'**
5/15/98	**8.3'**	**8/23/99**	**8.2'**	**5/2/00**	**12.3'**	**4/26/01**	**0.16**
5/21/98	**6.4'**	**9/10/99**	**6.9'**	**5/19/00**	**9.2'**	**6/7/01**	**12.1**
5/27/98	**3.6'**	**10/1/99**	**0.5'**	**6/15/00**	**12.2'**	**6/15/01**	**12.1**

Note: Depth measured from top of riser to leachate level
Arrange for removal when leachate is within 4.9' of top of riser

Patton's Busy Bee Disposal Site
Site No. 9-02-014

Leachate Tank Monitoring

Tank #BB-T1-North (cont.)

North Tank: Estimated Capacity: 15,000 gallons
Distance from Top of Standpipe to Bottom of Tank: 12.4'
Tank Diameter: 10' (est)
Tank Length: 25' (est)

BB-T1-North

Leachate Tank Measurement							
Date	**Depth**	**Date**	**Depth**	**Date**	**Depth**	**Date**	**Depth**
7/19/01	12.0'	11/11/04	12.5'				
8/23/01	12.0'						
10/17/01	12.2'						
11/30/01	12.3'						
1/10/02	7.0'						
5/21/02	3.0'						
6/12/02	6.5'						
7/16/02	10.0'						
9/20/02	12.1'						
10/9/02	12.4'						
12/5/02	Max						
5/13/03	10.6'						
6/4/03	0.33'						
7/14/03	11.0'						
10/6/03	0.67'						
11/13/03	10.8'						
12/1/03	9.6'						
7/22/04	9.6'						

Note: Depth measured from top of riser to leachate level

Patton's Busy Bee Disposal Site
Site No. 9-02-014

Leachate Tank Monitoring

Tank #BB-T1-South

South Tank: Estimated Capacity: 18,000 gallons
Distance from Top of Standpipe to Bottom of Tank: 12.8'
Tank Diameter: 10.7' (est)
Tank Length: 28' (est)

BB-T1-South

Leachate Tank Measurement							
Date	**Depth**	**Date**	**Depth**	**Date**	**Depth**	**Date**	**Depth**
9/11/97	6.25'	9/30/98	1.0'	10/15/99	6.0'	7/5/00	1.9'
9/17/97	6.10'	12/29/98	~8'	11/10/99	3.8'	8/3/00	10.0'
10/21/97	1.83'	4/1/99	being pumped	12/2/99	10.9'	8/21/00	8.0'
11/12/97	1.84'	4/9/99	11.3'	12/10/99	9.0	9/6/00	7.0'
11/25/97	4.53'	4/19/99	3.6'	12/30/99	3.6'	9/18/00	6.3'
12/10/97	8.58'	5/7/99	3.6'	1/11/00	1.8'	10/19/00	3.6
1/14/98	1.75'	5/25/99	6.5'	2/8/00	1.8'	12/26/00	3.7'
3/6/98	1.62'	7/12/99	4.0'	3/20/00	1.5'	2/09/01	1.5'
4/24/98	1.0'	7/29/99	3.6'	4/10/00	full	3/20/01	1.8'
5/15/98	3.6'	8/23/99	3.6'	5/2/00	8.0'	4/26/01	1.4'
5/21/98	3.6'	9/10/99	3.6'	5/19/00	3.6'	6/7/01	9.9'
5/27/98	3.5'	10/1/99	1.7'	6/15/00	6.4'	6/15/01	9.6'

Note: Depth measured from top of riser to leachate level

Patton's Busy Bee Disposal Site
Site No. 9-02-014

Leachate Tank Monitoring

Tank #BB-T1-South (cont)

North Tank: Estimated Capacity: 15,000 gallons
Distance from Top of Standpipe to Bottom of Tank: 12.4'
Tank Diameter: 10' (est)
Tank Length: 25' (est)

BB-T1-South

Leachate Tank Measurement							
Date	**Depth**	**Date**	**Depth**	**Date**	**Depth**	**Date**	**Depth**
7/19/01	8.3'	11/10/04	3.6'				
8/23/01	7.4'						
10/17/01	10.4'						
11/30/01	6.9'						
1/10/02	1.8'						
5/21/02	3.5'						
6/12/02	3.6'						
7/16/02	3.6'						
9/20/02	11.2'						
10/9/02	9.4'						
12/05/02	1.3'						
5/13/03	9.3'						
6/4/03	2.0'						
7/14/03	3.5'						
10/6/03	2.5'						
11/13/03	3.3'						
12/1/03	3.8'						
7/22/04	3.8'						

Note: Depth measured from top of riser to leachate level

Patton's Busy Bee Disposal Site
Site No. 9-02-014

Leachate Tank Monitoring

Tank #BB-T2-North

North Tank: Estimated Capacity: 2000 gallons
Distance from Top of Standpipe to Bottom of Tank: 7.5' (est)
Tank Diameter: 5' (est)
Tank Length: unknown

BB-T2-North

Leachate Tank Measurement							
Date	Depth	Date	Depth	Date	Depth	Date	Depth
9/11/97	7.1	9/30/98	1.0'	10/15/99	7.0'	7/5/00	2.1'
9/17/97	7.05'	12/29/98	~5'	11/10/99	7.1'	8/3/00	7.3'
10/21/97	5.0'	4/1/99	~7'	12/2/99	7.5'	8/21/00	7.3'
11/12/97	3.91'	4/9/99	7.25'	12/10/99	7.3'	9/6/00	7.2'
11/25/97	3.90'	4/19/99	7.25'	12/30/99	6.5'	9/18/00	7.2'
12/10/97	7.37'	5/7/99	6.25'	1/11/00	1.5'	10/19/00	NR
1/14/98	1.21'	5/25/99	6.25'	2/8/00	1.3'	12/26/00	6.5'
3/6/98	4.58'	7/12/99	6.25'	3/20/00	0.3'	2/9/01	2.8'
4/24/98	1.0'	7/29/99	6.2'	4/10/00	full	3/20/01	2.0'
5/15/98	2.6'	8/23/99	6.2'	5/2/00	0.5'	4/20/01	0.33'
5/21/98	2.2'	9/10/99	6.2'	5/19/00	full	6/7/01	7.1'
5/27/98	1.7'	10/1/99	2.7'	6/15/00	5.8'	6/15/01	7.1'

Note: Depth measured from top of riser to leachate level

Arrange for removal when leachate is within 3.5' of top of riser

Patton's Busy Bee Disposal Site
Site No. 9-02-014

Leachate Tank Monitoring

Tank #BB-T2-North (cont)

North Tank: Estimated Capacity: 2000 gallons
Distance from Top of Standpipe to Bottom of Tank: 7.5' (est)
Tank Diameter: 5' (est)
Tank Length: unknown

BB-T2-North

Leachate Tank Measurement							
Date	**Depth**	**Date**	**Depth**	**Date**	**Depth**	**Date**	**Depth**
7/29/01	7.0'	11/10/04	2.1'				
8/23/01	7.0'						
10/17/01	7.0'						
11/30/01	7.0'						
1/10/02	1.3'						
5/21/02	max						
6/12/02	1.0'						
7/16/02	2.2'						
9/20/02	7.3'						
10/9/02	7.3'						
12/05/02	0.8'						
5/13/03	7.0'						
6/4/03	max						
7/14/03	1.6'						
10/6/03	1.0'						
11/13/03	1.6'						
12/1/03	0.3'						
7/22/04	5.8'						

Note: Depth measured from top of riser to leachate level

Arrange for removal when leachate is within 3.5' of top of riser

Patton's Busy Bee Disposal Site
Site No. 9-02-014

Leachate Tank Monitoring

Tank #BB-T2-South

South Tank: Estimated Capacity: 4000 gallons
Distance from Top of Standpipe to Bottom of Tank: 6.3'
Tank Diameter: 5.1' (est)
Tank Length: 24' (est)

BB-T2-South

Leachate Tank Measurement							
Date	Depth	Date	Depth	Date	Depth	Date	Depth
9/11/97	3.05'	9/30/98	1.5'	10/15/99	3.8'	7/5/00	1.6'
9/17/97	3.0'	12/29/98	~4'	11/10/99	1.9'	8/3/00	3.5'
10/21/97	1.6'	4/1/99	~6'	12/2/99	5.0'	8/21/00	3.0
11/12/97	1.73'	4/9/99	5.25'	12/10/99	3.8'	9/6/00	2.6'
11/25/97	1.65'	4/19/99	2.2'	12/30/99	1.6'	9/18/00	2.3'
12/10/97	3.83'	5/7/99	1.7'	1/11/00	1.3'	10/19/00	1.6'
1/14/98	0.98'	5/25/99	1.7'	2/8/00	1.3'	12/26/00	1.5'
3/6/98	1.62'	7/12/99	1.8'	3/20/00	full	2/9/01	1.6'
4/24/98	1.5'	7/29/99	1.8'	4/10/00	full	3/20/01	1.6'
5/15/98	1.6'	8/23/99	1.8'	5/2/00	0.2'	4/26/01	0
5/21/98	1.6'	9/10/99	1.8'	5/19/00	full	6/7/01	4.4'
5/27/98	1.5'	10/1/99	1.6'	6/15/00	1.6'	6/15/01	4.3'

Note: Depth measured from top of riser to leachate level

Patton's Busy Bee Disposal Site
Site No. 9-02-014

Leachate Tank Monitoring

Tank #BB-T2-South (cont)

North Tank: Estimated Capacity: 2000 gallons
Distance from Top of Standpipe to Bottom of Tank: 7.5' (est)
Tank Diameter: 5' (est)
Tank Length: unknown

BB-T2-South

Leachate Tank Measurement							
Date	**Depth**	**Date**	**Depth**	**Date**	**Depth**	**Date**	**Depth**
7/19/01	3.8'	11/10/04	1.5'				
8/23/01	3.4'						
10/17/01	3.9'						
11/30/01	1.8'						
1/10/02	1.0'						
5/21/02	max						
6/12/02	0.5'						
7/16/02	1.4'						
9/20/02	4.75'						
10/9/02	3.95'						
12/05/02	0.5'						
5/13/03	3.0'						
6/4/03	max						
7/14/03	2.0'						
10/6/03	0.5'						
11/13/03	1.4'						
12/1/03	max						
7/22/04	1.4'						

Note: Depth measured from top of riser to leachate level

Leachate Removal Log

Date	Estimated Storage Volume	Estimated Volume Removed	Date	Estimated Storage Volume	Estimated Volume Removed
10/27/97	38,000	15,200	11/2/00	32,500	31,000
10/29/97	22,800	canceled	5/8/01	38,000	33,000
11/21/97	38,000	10,000	8/30/01	11,000	11,000
12/3/97	No Estimate	20,000	5/6 & 7/02	38,000	34,800
12/4/97	No Estimate	5,500	5/30 & 31/02	No Estimate	30,000
12/5/97	No Estimate	6,800	6/25 & 26/02	38,000	31,200
1/22/98	38,000	17,800	8/5/02	No Estimate	18,000
3/31/98	38,000	40,000	8/30/02	No Estimate	12,800
5/5/98	38,000	35,600	4/30/03	No Estimate	33,000
6/2/98	38,000	23,100	6/18/03	No Estimate	42,000
10/30/98	38,000	31,000	8/29/03	No Estimate	37,100
12/23/98	No Estimate	7,700	10/15/03	No Estimate	30,000
4/1/99	38,000	34,700	5/19, 20 & 21/04	No Estimate	39,600
4/8/99	No Estimate	21,500	6/16&17/04	No Estimate	21,000
5/18/99	No Estimate	16,500	9/7 & 8 /04	No Estimate	23,500
10/4/99	38,000	34,500	11/30 & 12/1/04	No Estimate	22,400
4/26/00	38,000	35,000			
5/31/00	38,000	37,500			
7/13/00	38,000	36,200			