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January 21, 2005

Mr. Frank D. Tallarino Jr., P.E.
Commissioner of Public Works
City of Rome
City Hall, Suite 3C
198 N. Washington Street
Rome, New York 13440

RE: Tannery Road Landfill O&M
Monthly Inspections – November through January 2005
Quarterly Monitoring – Fourth Quarter 2004

Dear Mr. Tallarino:

Delaware Engineering, P.C. is pleased to provide you with this letter report summarizing the results of the December 2004 ground water sampling at the Tannery Road Landfill for the City of Rome.

INTRODUCTION

On December 16, 2004, Delaware personnel measured the depth to water, obtained field parameter measurements and collected ground water samples from one upgradient monitoring well (MW-9S) and six downgradient monitoring wells (MW-1S, MW-2D MW-3S, MW-4S, MW-5S and MW-7D). Each well was purged of a minimum of three well volumes prior to sample collection. In addition, a leachate sample was collected from leachate monitoring wells LMW-10 and LMW-12. The depth to water was measured in leachate monitoring well LMW-11.

Samples were analyzed for the NYSDEC Part 360 Routine parameters. The ground water analytical data are summarized in Table 1. Concentrations that exceed an applicable ground water standard or guidance value are presented in bold.

Monthly Operations and Maintenance (O&M) inspections were conducted in December 2004 and January 2005. The Inspection Checklists are attached, and data have been summarized in Tables 2 (Water Levels) and 3 (Pumping Hours and Gallons).

GROUND WATER METAL RESULTS

Review of the metals data indicates that all the monitoring wells, except MW-1S exhibited iron concentrations above the New York State Department of Environmental Conservation (NYSDEC) ground water standard. Manganese concentrations in wells MW-2D, MW-3S, MW-5S, MW-7D and leachate well LMW-10 exceeded the New York State Department of Environmental Conservation (NYSDEC) ground water standard. The ground water standard for iron and manganese is based on aesthetic reasons (*e.g.*, taste, staining of laundry and porcelain, *etc.*). The reported concentrations are not considered a threat to public health or the environment.

The LMW-10 and LMW-12 leachate samples exceeded the ground water guidance for magnesium. Samples collected from upgradient well MW-9S and leachate wells LMW-10 and LMW-12 exhibited sodium concentrations above the NYSDEC ground water standard of 20 mg/L. The ground water standard for sodium is designed to protect those individuals who are on low sodium diets and the reported concentrations are not considered a threat to public health or the environment.

Potassium concentrations in the MW-2D, MW-3S, MW-4S and MW-7D ground water samples were higher than the upgradient MW-9S concentration. Leachate samples from leachate wells LMW-10 and LMW-12 exhibit high potassium concentrations. Data indicate that the higher downgradient ground water potassium concentrations are most likely related to a landfill affect on ground water. However, there is no ground water standard for potassium and reported downgradient ground water concentrations do not represent a significant environmental concern.

The metals data indicate that the iron and manganese concentrations detected above the respective ground water standards in some of the downgradient landfill monitoring wells are most likely related to a combination of natural sources and a landfill derived impact on ground water. The potassium concentrations in the ground water samples from monitoring wells MW-2D, MW-3S, MW-4S and MW-7D are indications of a landfill related impact on ground water quality. The reported iron, manganese and potassium concentrations do not represent an environmental or public health threat.

LEACHATE INDICATOR DATA

The MW-3S and MW-7D ground water ammonia concentrations were above the ground water standard as were the concentrations in the LMW-10 and LMW-12 leachate well samples. The ammonia detected in the ground water monitoring well samples is most likely landfill related.

The total phenols concentrations reported in the LMW-10 and LMW-12 landfill leachate wells were above the ground water standard. The samples from leachate monitoring wells LMW-10 and LMW-12 exhibited concentrations of bromide, chloride and TDS that were above the respective ground water standards.

Data indicate that the MW-3S and MW-7D ground water ammonia concentrations are most likely landfill derived. Ground water at the landfill perimeter continues to represent a potential source of ammonia to the adjacent wetlands.

FIELD PARAMETER DATA

Ground water from monitoring wells MW-1S, MW-4S and MW-7D exhibited pH values below the NYSDEC ground water standard lower limit of 6.5. The low pH value is most likely representative of the natural conditions associated with the pitch pine wetland/bogs located adjacent to the landfill.

Ground water Turbidity values for all the monitoring wells were above the ground water standard. Turbidity values above the NTU standards are most likely a result of the ground water purging procedure prior to sample collection.

DATA VALIDATION/DATA USABILITY

The usability of the December 2004 analytical data were evaluated by reviewing the available laboratory batch QA/QC data and comparison to the available historical data. In addition, the analytical results were validated by the laboratory's QA/QC department prior to their release of the data. The MW-3S, LMW-10 and LMW-12 total kjeldahl nitrogen (TKN) and ammonia results are considered estimated. TKN is a measurement of both ammonia and organic nitrogen and by definition an ammonia only analysis cannot exceed a TKN concentration. The laboratory reported ammonia concentrations in the MW-3S, LMW-10 and LMW-12 samples were higher than the reported TKN values. The error is most likely a function of the high ammonia and TKN concentrations in the samples and was caused by analytical variability and variability in sample dilution that was necessary to bring the concentrations within the linear range of the analysis. Although the data are estimated, the results are usable and all the December 2004 data are considered of sufficient quality to make informed decisions with respect to ground water and leachate quality.

O&M – MONTHLY INSPECTIONS

Operations and Maintenance (O&M) inspections were conducted in December 2004 and January 2005. The Inspection Checklists are attached, and the data have been summarized in Tables 2 and 3. Table 2 summarizes the water level data for the site and Table 3 provides the operational data summary. A ground water contour map for December 2004 is provided in Figure 1.

The monthly ground water elevation data for 2004 indicates that ground water elevations in monitoring wells MW-3S, MW-4S, MW-5S and MW-9S were consistently higher than the LMW-10 and LMW-12 leachate monitoring well elevations, indicating an inward gradient at these locations. The monthly ground water elevation measurements from

monitoring well MW-2S were higher than the LMW-12 ground water elevations for all months except July 2004 and were higher than the LMW-10 ground water elevation for all months except February, June and July 2004.

Leachate well pumping data indicates that between January 29, 2004 and January, 20 2005, approximately 2,832,900 gallons of leachate have been pumped from the landfill. Leachate recovery wells RW-2 (1,016,100 gallons) and RW-4 (1,004,500 gallons) have produced the most leachate.

SUMMARY

Data indicate that the MW-3S and MW-7D ground water ammonia concentrations are most likely landfill derived. Ground water at the landfill perimeter continues to represent a potential source of ammonia to the adjacent wetlands. The iron and manganese concentrations detected above the respective ground water standards in some of the downgradient landfill monitoring wells are most likely related to a combination of natural sources and a landfill derived impact on ground water. The potassium concentrations in the ground water samples from monitoring wells MW-2D, MW-3S, MW-4S and MW-7D are indications of a landfill related impact on ground water quality. The reported iron, manganese and potassium concentrations do not represent an environmental or public health threat.

If you have any questions, please do not hesitate to call Gary Kerzic or me at 518-452-1290.

Sincerely,

Edward G. Fahrenkopf
Senior Environmental Scientist

cc: Susan Lasdin, NYSDEC

Attachment(s)
Data Summary Tables
Laboratory Reporting Sheets
O&M Inspection Checklists: December 2004, January 2005
Historical Data Tables
Ground Water Contour Map: December 2004

TABLES

Table 1
City of Rome
Tannery Road Landfill
December 2004
Ground Water Data

	MW-1S	MW-2D	MW-3S	MW-4S	MW-5S	MW-7D	MW-9S	LMW-10	LMW-12	NYSDEC Ground Water Standard
Field Parameters										
Conductivity (umhos/cm)	73	300	2400	450	276	1150	410	4,743	4,450	NS
pH (s.u.)	**6.2**	6.8	6.7	**6.1**	6.6	**6.4**	7.3	6.5	6.7	6.5-8.5
Temperature (Deg C.)	7	8	7	7	8	9	7	10	10	NS
Turbidity (NTU)	**140**	**150**	**95**	**70**	**154**	**200**	**290**	**189**	**180**	5
Leachate Indicator Parameters										
Ammonia-Nitrogen	<0.03	1.6	**52**	0.84	<0.03	**8.5**	<0.03	**260**	**290**	2
Biochemical Oxygen Demand (BOD5)	<4	4.7	<10	<4	<4	<4	4.8	41	41	NS
Bromide	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	**3.3**	**4.8**	2 (GV)
Chemical Oxygen Demand	9.7	26	110	130	14	59	86	490	480	NS
Chloride	2.7	3.3	2.2	3.2	2.5	5.5	3.1	**410**	**350**	250
Nitrate-Nitrogen	<0.1	1.6	<0.1	<0.1	0.19	0.49	0.15	0.28	0.67	10
Sulfate	6.6	22	6.3	8	8.3	14	3	2	2.4	250
Total Alkalinity	4	66	340	32	88	150	18	1,900	1,700	NS
Total Dissolved Solids	14	120	320	130	90	240	290	**1,900**	**1,600**	500
Total Hardness	<7	69	110	34	94	90	110	520	380	NS
Total Kjeldahl Nitrogen	0.2	1.9	28	1.3	0.14	8.5	0.64	220	260	NS
Total Organic Carbon	3.2	7.9	35	48	5.4	23	28	160	150	NS
Total Phenols	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	**0.016**	**0.017**	0.001
Metals										
Cadmium	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.005
Calcium	0.73	23	30	8.5	24	21	38	97	68	NS
Iron	0.16	**3.1**	**22**	**6.4**	**22**	**11**	**0.75**	**35**	**36**	0.3
Lead	<0.01	<0.01	<0.01	<0.01	<0.01	0.012	<0.01	<0.01	<0.01	0.025
Magnesium	0.25	3	7.5	3.1	4.2	9	3.3	**67**	**51**	35 (GV)
Manganese	0.014	**0.97**	**0.39**	0.23	**0.63**	**0.38**	0.25	**0.85**	0.23	0.3
Potassium	0.27	12	66	5.1	2.7	14	2.2	380	230	NS
Sodium	0.74	2.7	6.5	1.3	1.2	7.7	**47**	**470**	**360**	20

Notes:
1) Results in bold typeface indicate that the result exceeds the applicable standard.
2) GV indicates that the standard listed is a Guidance Value.

Table 2

Water Level Elevation Data, Comparisons to MW-10 and MW-12
Tannery Road Landfill
Rome, New York

WELL	MEASURING POINT ELEVATION (FT.)	DEPTH TO WATER (FT.) 01/29/2004	2/25/2004	3/23/2004	4/16/2004	5/28/2004	6/22/2004	7/20/2004	8/24/2004	9/28/2004	10/21/2004	11/30/2004	12/16/2004	1/20/2005
MW-1S	449.59	5.77	6.86	4.75	4.66	4.25	5.91	6.17	5.8	6.01	6.04	4.89	4.66	5.08
MW-2S	459.44	8.21	8.78	6.51	6.59	6.1	8.81	9.04	7.57	8.07	8.71	6.49	6.32	6.88
MW-3S	456.4	3.97	3.96	NA	3.58	3.44	4.03	4.27	3.75	4.1	3.73	3.56	3.68	3.85
MW-4S	456.19	4.18	4.18	3.76	3.86	3.64	4.18	4.49	4.14	4.04	4.07	3.83	3.78	3.86
MW-5S	457.15	5.1	5.24	4.34	4.43	4.18	5.29	5.69	4.81	5.05	5.2	4.29	4.42	4.68
MW-7S	452.25	8.31	8.93	7.91	7.52	7.36	8.26	9.1	8.96	8.71	9.48	8.3	7.62	7.69
MW-9S	456.38	3.98	3.91	3.77	3.75	3.66	4.11	4.19	3.93	4.11	3.92	3.7	3.77	3.85
MW-10	486.3	NA	35.25	35.11	35.25	34.77	35.07	35.1	35.33	34.95	35.34	35.29	35.19	35.05
MW-11	502.4	51.97	52.21	52.09	52.13	51.77	51.98	52.45	52.31	52.03	52.35	52.36	52.53	52.15
MW-12	483.11	32.46	32.74	32.55	32.47	32.24	32.49	32.55	32.98	32.67	33.02	33.05	32.69	32.61
PZ-1	454.37	6.95	7.51	5.77	5.57	5.33	7.35	8.11	7.37	7.4	7.78	6.36	5.85	6.46
MW-7D	451.79			8.05	7.45	7.26	8.51	9.34	9.26	9.09	9.64	8.99	7.69	7.78

WELL	WATER LEVEL ELEVATION (FT.) 01/29/2004	2/25/2004	3/23/2004	4/16/2004	5/28/2004	6/22/2004	7/20/2004	8/24/2004	9/28/2004	10/21/2004	11/30/2004	12/16/2004	1/20/2005
MW-1S	443.82	442.73	444.84	444.93	445.34	443.68	443.42	443.79	443.58	443.55	444.7	444.93	444.51
MW-2S	451.23	450.66	452.93	452.85	453.34	450.63	450.4	451.87	451.37	450.73	452.95	453.12	452.56
MW-3S	452.43	452.44	NA	452.82	452.96	452.37	452.13	452.65	452.3	452.67	452.84	452.72	452.55
MW-4S	452.01	452.01	452.43	452.33	452.55	452.01	451.7	452.05	452.15	452.12	452.36	452.41	452.33
MW-5S	452.05	451.91	452.81	452.72	452.97	451.86	451.46	452.34	452.1	451.95	452.86	452.73	452.47
MW-7S	443.94	443.32	444.34	444.73	444.89	443.99	443.15	443.29	443.54	442.77	443.95	444.63	444.56
MW-9S	452.4	452.47	452.61	452.63	452.72	452.27	452.19	452.45	452.27	452.46	452.68	452.61	452.53
MW-10	NA	451.05	451.19	451.05	451.53	451.23	451.2	450.97	451.35	450.96	451.01	451.11	451.25
MW-11	450.43	450.19	450.31	450.27	450.63	450.42	449.95	450.09	450.37	450.05	450.04	449.87	450.25
MW-12	450.65	450.37	450.56	450.64	450.87	450.62	450.56	450.13	450.44	450.09	450.06	450.42	450.5
PZ-1	447.42	446.86	448.6	448.8	449.04	447.02	446.26	447	446.97	446.59	448.01	448.52	447.91
MW-7D			443.74	444.34	444.53	443.28	442.45	442.53	442.7	442.15	442.8	444.1	444.01

WELL	WATER LEVEL ELEVATION DIFFERENCE (FT.) RELATIVE TO MW-12 [2] 01/29/2004	2/25/2004	3/23/2004	4/16/2004	5/28/2004	6/22/2004	7/20/2004	8/24/2004	9/28/2004	10/21/2004	11/30/2004	12/16/2004	1/20/2005
MW-1S	6.83	7.64	5.72	5.71	5.53	6.94	7.14	6.34	6.86	6.54	5.36	5.49	5.99
MW-2S	-0.58	-0.29	-2.37	-2.21	-2.47	-0.01	0.16	-1.74	-0.93	-0.64	-2.89	-2.7	-2.06
MW-3S	-1.78	-2.07	NA	-2.18	-2.09	-1.75	-1.57	-2.52	-1.86	-2.58	-2.78	-2.3	-2.05
MW-4S	-1.36	-1.64	-1.87	-1.69	-1.68	-1.39	-1.14	-1.92	-1.71	-2.03	-2.3	-1.99	-1.83
MW-5S	-1.4	-1.54	-2.25	-2.08	-2.1	-1.24	-0.9	-2.21	-1.66	-1.86	-2.8	-2.31	-1.97
MW-7S	6.71	7.05	6.22	5.91	5.98	6.63	7.41	6.84	6.9	7.32	6.11	5.79	5.94
MW-9S	-1.75	-2.1	-2.05	-1.99	-1.85	-1.65	-1.63	-2.32	-1.83	-2.37	-2.62	-2.19	-2.03
MW-10	NA	NA	-0.63	-0.41	-0.66	-0.61	-0.64	-0.84	-0.91	-0.87	-0.95	-0.69	-0.75
MW-11	0.22	0.18	0.25	0.37	0.24	0.2	0.61	0.04	0.07	0.04	0.02	0.55	0.25
MW-12	0	0	0	0	0	0	0	0	0	0	0	0	0
PZ-1	3.23	3.51	1.96	1.84	1.83	3.6	4.3	3.13	3.47	3.5	2.05	1.9	2.59
MW-7D			6.82	6.3	6.34	7.34	8.11	7.6	7.74	7.94	7.26	6.32	6.49

WELL	WATER LEVEL ELEVATION DIFFERENCE (FT.) RELATIVE TO MW-10 [2] 01/29/2004	2/25/2004	3/23/2004	4/16/2004	5/28/2004	6/22/2004	7/20/2004	8/24/2004	9/28/2004	10/21/2004	11/30/2004	12/16/2004	1/20/2005
MW-1S	NA	8.32	6.35	6.12	6.19	7.55	7.78	7.18	7.77	7.41	6.31	6.18	6.74
MW-2S	NA	0.39	-1.74	-1.80	-1.81	0.60	0.80	-0.90	-0.02	0.23	-1.94	-2.01	-1.31
MW-3S	NA	-1.39	NA	-1.77	-1.43	-1.14	-0.93	-1.68	-0.95	-1.71	-1.83	-1.61	-1.30
MW-4S	NA	-0.96	-1.24	-1.28	-1.02	-0.78	-0.50	-1.08	-0.80	-1.16	-1.35	-1.30	-1.08
MW-5S	NA	-0.86	-1.62	-1.67	-1.44	-0.63	-0.26	-1.37	-0.75	-0.99	-1.85	-1.62	-1.22
MW-7S	NA	7.73	6.85	6.32	6.64	7.24	8.05	7.68	7.81	8.19	7.06	6.48	6.69
MW-9S	NA	-1.42	-1.42	-1.58	-1.19	-1.04	-0.99	-1.48	-0.92	-1.50	-1.67	-1.50	-1.28
PZ-1	NA	4.19	2.59	2.25	2.49	4.21	4.94	3.97	4.38	4.37	3.00	2.59	3.34
MW-7D			7.45	6.71	7	7.95	8.75	8.44	8.65	8.81	8.21	7.01	7.24

Notes:

1) Water levels were collected from one upgradient monitoring well (MW-9S), six downgradient wells (MW-1S, MW-2S, MW-3S, MW-4S, MW-5S and MW-7S), one downgradient piezometer (PZ-1) and three leachate monitoring wells (MW-10), (MW-11), (MW-12).

2) A negative number indicates an inward gradient.

3) NA indicates monitoring well was not accessible due to frozen conditions or excessive snow drifts

Table 3
Operational Data Summary
Tannery Road Landfill
Rome, New York

Pump Station at Tannery Road

Hour Meters

	01/29/2004	2/25/2004	3/23/2004	4/16/2004	5/28/2004	6/22/2004	7/20/2004	8/24/2004	9/28/2004	10/21/2004	11/30/2004	12/16/2004	1/20/2005	Total Hours Operated 1/29/2004 - 12/16/04
Pump #1	41,356	41,949	42,673	43,319	44,435	45,161	45,373	46,697	47,773	48,147	48,868	49,273	49,993	8,637
Pump #2	35,225	35,687	36,253	36,765	37,649	38,222	39,022	39,055	39,315	39,657	40,300	40,650	41,273	6,048

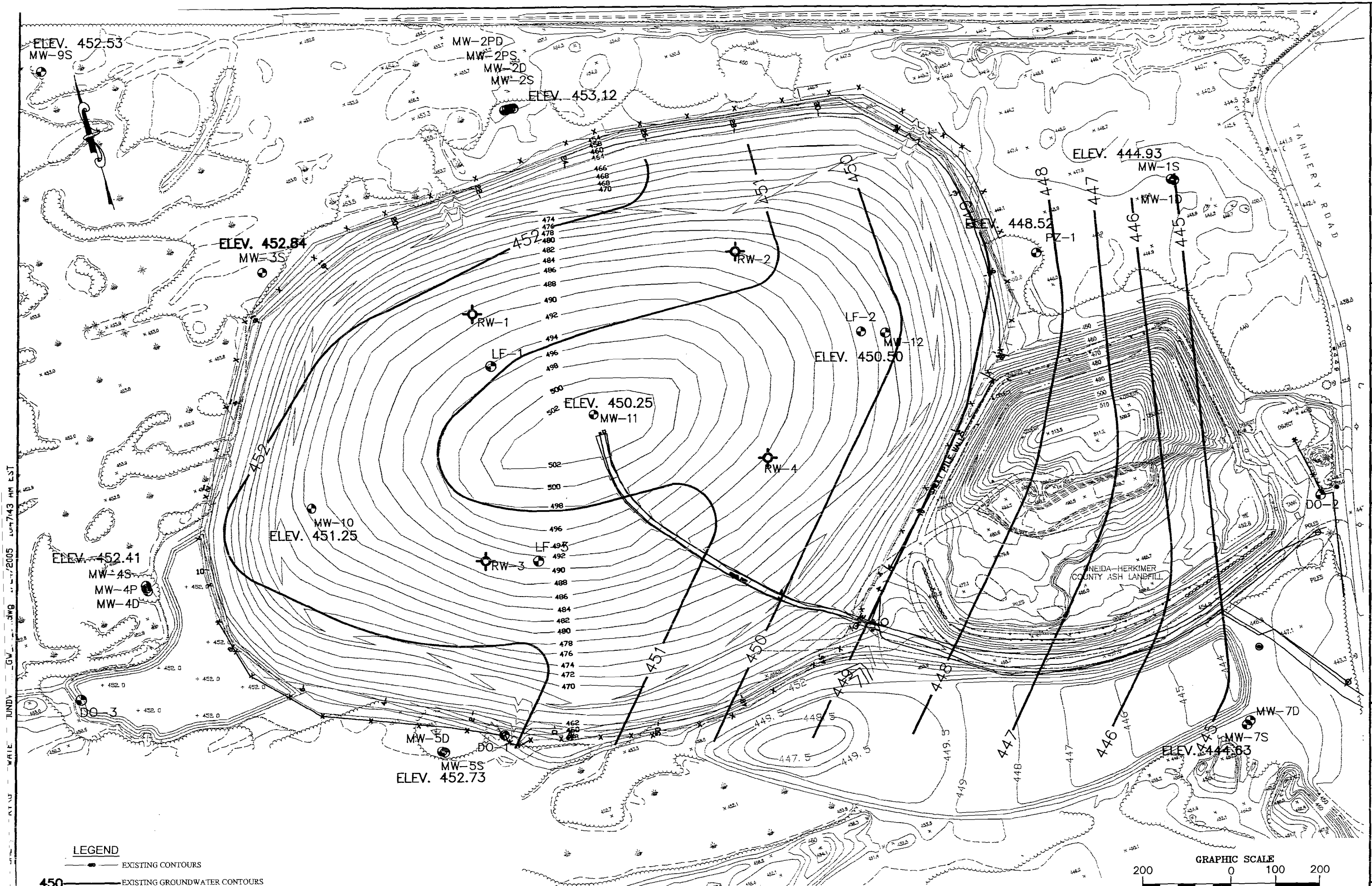
Totalizers in Meter Pit

	01/29/2004	2/25/2004	3/23/2004	4/16/2004	5/28/2004	6/22/2004	7/20/2004	8/24/2004	9/28/2004	10/21/2004	11/30/2004	12/16/2004	1/20/2005	Total Flow (Gallons) 1/29/2004 - 12/16/04
RW-1	4,139,800	4,173,000	4,205,200	4,229,400	4,282,200	4,317,700	4,353,000	4,396,800	4,439,900	4,470,200	4,533,700	4,555,700	4,568,000	428,200
RW-2	7,335,200	7,407,000	7,478,600	7,543,300	7,657,100	7,726,600	7,797,000	7,885,500	7,973,900	8,036,300	8,157,100	8,226,800	8,351,300	1,016,100
RW-3	2,252,800	2,256,700	2,300,200	2,323,700	2,359,000	2,384,700	2,417,000	2,463,800	2,495,100	2,514,300	2,565,000	2,585,600	2,636,900	384,100
RW-4	2,266,600	2,371,100	2,478,400	2,571,200	2,731,800	2,771,200	2,830,200	2,937,700	3,019,900	3,099,000	3,183,000	3,211,800	3,271,100	1,004,500
Total		213,400	254,600	205,200	362,500	170,100	197,000	286,600	245,000	191,000	319,000	141,100		2,832,900

Hour Meters

	01/29/2004	2/25/2004	3/23/2004	4/16/2004	5/28/2004	6/22/2004	7/20/2004	8/24/2004	9/28/2004	10/21/2004	11/30/2004	12/16/2004	1/20/2005	Total Hours Operated 1/29/2004 - 12/16/04
RW-1	114,176	115,219	116,198	121,279	129,678	131,257	132,779	134,611	136,181	137,440	143,498	147,203	155,611	41,435
RW-2	122,335	123,499	124,677	125,740	127,603	128,755	129,943	131,506	133,158	134,399	137,475	140,267	148,676	26,341
RW-3	293,761	300,255	306,718	312,459	322,527	328,760	335,237	343,612	352,008	357,502	367,108	370,957	379,365	85,604
RW-4	143,731	150,225	156,688	162,429	172,497	178,728	185,204	193,583	201,978	207,474	217,080	220,928	229,337	85,606

FIGURES



DATE: JAN. 24, 2005
DRAWN BY: KJ
SCALE: AS SHOWN
REVIEWED BY: EF
PROJECT NO.:
FILE:

DELAWARE ENGINEERING, P.C.
CIVIL AND ENVIRONMENTAL ENGINEERING

8-12 DIETZ STREET, SUITE 303, ONEONTA, NY 13820 - 607.432.8073
28 MADISON AVENUE EXTENSION, ALBANY, NY 12203 - 518.452.1200
6 TOWNSEND STREET, WALTON, NY 13856 - 607.865.92364

REVISIONS

NO.	DATE	DESCRIPTION

TANNERY ROAD LANDFILL
CITY OF ROME, NEW YORK

GROUNDWATER CONTOUR MAP
SHALLOW OVERBURDEN
DATED: DECEMBER 2004
GROUNDWATER TABLE

SHEET: 1

LABORATORY REPORTING SHEETS

LSL

RECEIVED
JAN 18 2005
DELAWARE ENGINEERING

Ed Fahrenkopf
Delaware Engineering
28 Madison Ave. Extension
Albany, NY 12203

Phone: (518) 452-1290
FAX: (518) 452-1335

Laboratory Analysis Report

For

Delaware Engineering

Client Project ID:

Tannery Rd. Landfill (Routine)

LSL Project ID: **0422212**

Receive Date/Time: 12/17/04 9:26

Project Received by: RD

Life Science Laboratories, Inc.

LSL Central Lab
5854 Butternut Drive
East Syracuse, NY 13057
Tel. (315) 445-1105
Fax (315) 445-1301
NYS DOH ELAP #10248
PA DEP #68-2556

LSL North Lab
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This report was reviewed by: Linda Waters QC *Date:* 1/12/05

Life Science Laboratories, Inc.

A copy of this report was sent to:

Date Printed: 1/12/05

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY

Sample ID:	MW-7D	**LSL Sample ID:**	0422212-001
Location:	Tannery Rd. Landfill		
Sampled:	12/16/04 9:00 **Sampled By:** EF		
Sample Matrix:	NPW		

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time		Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3						
Hardness, Total	90	mg/l		12/20/04		TER
(1) EPA 350.1 Ammonia						
Ammonia as N	8.5	mg/l		12/31/04		DRB
(1) EPA 351.2 TKN as N						
Total Kjeldahl Nitrogen	8.5	mg/l	12/30/04	12/31/04		DRB
(1) EPA 405.1 BOD-5						
Biochemical Oxygen Demand, 5 Day	<4	mg/l		12/17/04	14:20	MM
(1) EPA 420.1 Recoverable Phenolics ML						
Phenolics, Total Recoverable	<0.002	mg/l	1/3/05	1/5/05		JN
(1) EPA 6010 Total Metals						
Cadmium	<0.01	mg/l		12/20/04		TER
Calcium	21	mg/l		12/20/04		TER
Iron	11	mg/l		12/20/04		TER
Lead	0.012	mg/l		12/20/04		TER
Magnesium	9.0	mg/l		12/20/04		TER
Manganese	0.38	mg/l		12/20/04		TER
Potassium	14	mg/l		12/20/04		TER
Sodium	7.7	mg/l		12/20/04		TER
(1) EPA Method 300.0 A						
Bromide	<0.1	mg/l		12/17/04		AMW
Chloride	5.5	mg/l		12/17/04		AMW
Nitrate as N	0.49	mg/l		12/17/04	21:46	AMW
Sulfate	14	mg/l		12/17/04		AMW
(1) HACH 8000 COD						
Chemical Oxygen Demand	59	mg/l		12/30/04		JN
(5) SM 18 2320B, Alkalinity as CaCO3						
Alkalinity	150	mg/l		12/28/04		DSW
(1) SM 19 5310C TOC						
Total Organic Carbon	23	mg/l	12/17/04	12/17/04		RAF/KB B
(1) SM18-2540C Total Dissolved Solids						
Total Dissolved Solids @ 180 C	240	mg/l		12/23/04		MM

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY

Sample ID: MW-10 **LSL Sample ID:** 0422212-002

Location: Tannery Rd. Landfill

Sampled: 12/16/04 8:00 **Sampled By:** EF

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	520	mg/l		12/20/04	TER
(1) EPA 350.1 Ammonia					
Ammonia as N	260	mg/l		12/31/04	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	220	mg/l	12/30/04	12/31/04	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	41	mg/l		12/17/04 14:00	MM
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	0.016	mg/l	1/3/05	1/5/05	JN
(1) EPA 6010 Total Metals					
Cadmium	<0.01	mg/l		12/20/04	TER
Calcium	97	mg/l		12/20/04	TER
Iron	35	mg/l		12/20/04	TER
Lead	<0.01	mg/l		12/20/04	TER
Magnesium	67	mg/l		12/20/04	TER
Manganese	0.85	mg/l		12/20/04	TER
Potassium	380	mg/l		12/30/04	TER
Sodium	470	mg/l		12/20/04	TER
(1) EPA Method 300.0 A					
Bromide	3.3	mg/l		12/17/04	AMW
Chloride	410	mg/l		12/21/04	AMW
Nitrate as N	0.28	mg/l		12/17/04 22:39	AMW
Sulfate	2.0	mg/l		12/17/04	AMW
(1) HACH 8000 COD					
Chemical Oxygen Demand	490	mg/l		12/30/04	JN
(5) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	1900	mg/l		12/28/04	DSW
(1) SM 19 5310C TOC					
Total Organic Carbon	160	mg/l	12/17/04	12/17/04	RAF/KB B
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	1900	mg/l		12/20/04	MM

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY

Sample ID: MW-12 **LSL Sample ID:** 0422212-003

Location: Tannery Rd. Landfill

Sampled: 12/16/04 9:45 **Sampled By:** EF

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	380	mg/l		12/20/04	TER
(1) EPA 350.1 Ammonia					
Ammonia as N	290	mg/l		12/31/04	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	260	mg/l	12/30/04	12/31/04	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	41	mg/l		12/17/04 14:20	MM
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	0.017	mg/l	1/3/05	1/5/05	JN
(1) EPA 6010 Total Metals					
Cadmium	<0.01	mg/l		12/20/04	TER
Calcium	68	mg/l		12/20/04	TER
Iron	36	mg/l		12/20/04	TER
Lead	<0.01	mg/l		12/20/04	TER
Magnesium	51	mg/l		12/20/04	TER
Manganese	0.23	mg/l		12/20/04	TER
Potassium	230	mg/l		12/30/04	TER
Sodium	360	mg/l		12/20/04	TER
(1) EPA Method 300.0 A					
Bromide	4.8	mg/l		12/17/04	AMW
Chloride	350	mg/l		12/21/04	AMW
Nitrate as N	0.67	mg/l		12/17/04 22:57	AMW
Sulfate	2.4	mg/l		12/17/04	AMW
(1) HACH 8000 COD					
Chemical Oxygen Demand	480	mg/l		12/30/04	JN
(5) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	1700	mg/l		12/28/04	DSW
(1) SM 19 5310C TOC					
Total Organic Carbon	150	mg/l	12/17/04	12/17/04	RAF/KB B
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	1600	mg/l		12/20/04	MM

- - LABORATORY ANALYSIS REPORT - -

Delaware Engineering Albany, NY

Sample ID:	MW-15	LSL Sample ID:	0422212-004
Location:	Tannery Rd. Landfill		
Sampled:	12/16/04 10:00 **Sampled By:** EF		
Sample Matrix:	NPW		

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	<7	mg/l		12/20/04	TER
(1) EPA 350.1 Ammonia					
Ammonia as N	<0.03	mg/l		12/31/04	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	0.20	mg/l	12/30/04	12/31/04	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<4	mg/l		12/17/04 14:20	MM
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	<0.002	mg/l	1/3/05	1/5/05	JN
(1) EPA 6010 Total Metals					
Cadmium	<0.01	mg/l		12/20/04	TER
Calcium	0.73	mg/l		12/20/04	TER
Iron	0.16	mg/l		12/20/04	TER
Lead	<0.01	mg/l		12/20/04	TER
Magnesium	0.25	mg/l		12/20/04	TER
Manganese	0.014	mg/l		12/20/04	TER
Potassium	0.27	mg/l		12/20/04	TER
Sodium	0.74	mg/l		12/20/04	TER
(1) EPA Method 300.0 A					
Bromide	<0.1	mg/l		12/17/04	AMW
Chloride	2.7	mg/l		12/17/04	AMW
Nitrate as N	<0.1	mg/l		12/17/04 23:14	AMW
Sulfate	6.6	mg/l		12/17/04	AMW
(1) HACH 8000 COD					
Chemical Oxygen Demand	9.7	mg/l		12/30/04	JN
(5) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	4.0	mg/l		12/28/04	DSW
(1) SM 19 5310C TOC					
Total Organic Carbon	3.2	mg/l	12/17/04	12/17/04	RAF/KB B
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	14	mg/l		12/23/04	MM

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY

Sample ID: MW-9S **LSL Sample ID:** 0422212-005

Location: Tannery Rd. Landfill

Sampled: 12/16/04 10:40 **Sampled By:** EF

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	110	mg/l		12/20/04	TER
(1) EPA 350.1 Ammonia					
Ammonia as N	<0.03	mg/l		12/31/04	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	0.64	mg/l	12/30/04	12/31/04	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	4.8	mg/l		12/17/04 14:20	MM
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	<0.002	mg/l	1/3/05	1/5/05	JN
(1) EPA 6010 Total Metals					
Cadmium	<0.01	mg/l		12/20/04	TER
Calcium	38	mg/l		12/20/04	TER
Iron	0.75	mg/l		12/20/04	TER
Lead	<0.01	mg/l		12/20/04	TER
Magnesium	3.3	mg/l		12/20/04	TER
Manganese	0.25	mg/l		12/20/04	TER
Potassium	2.2	mg/l		12/20/04	TER
Sodium	47	mg/l		12/20/04	TER
(1) EPA Method 300.0 A					
Bromide	<0.1	mg/l		12/17/04	AMW
Chloride	3.1	mg/l		12/17/04	AMW
Nitrate as N	0.15	mg/l		12/17/04 22:32	AMW
Sulfate	3.0	mg/l		12/17/04	AMW
(1) HACH 8000 COD					
Chemical Oxygen Demand	86	mg/l		12/30/04	JN
(1) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	18	mg/L		12/21/04 15:00	DEH
(1) SM 19 5310C TOC					
Total Organic Carbon	28	mg/l	12/17/04	12/17/04	RAF/KB B
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	290	mg/l		12/23/04	MM

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY

Sample ID: MW-2D **LSL Sample ID:** 0422212-006

Location: Tannery Rd. Landfill

Sampled: 12/16/04 11:20 **Sampled By:** EF

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	69	mg/l		12/20/04	TER
(1) EPA 350.1 Ammonia					
Ammonia as N	1.6	mg/l		12/31/04	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	1.9	mg/l	12/30/04	12/31/04	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	4.7	mg/l		12/17/04 14:20	MM
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	<0.002	mg/l	1/3/05	1/5/05	JN
(1) EPA 6010 Total Metals					
Cadmium	<0.01	mg/l		12/20/04	TER
Calcium	23	mg/l		12/20/04	TER
Iron	3.1	mg/l		12/20/04	TER
Lead	<0.01	mg/l		12/20/04	TER
Magnesium	3.0	mg/l		12/20/04	TER
Manganese	0.97	mg/l		12/20/04	TER
Potassium	12	mg/l		12/20/04	TER
Sodium	2.7	mg/l		12/20/04	TER
(1) EPA Method 300.0 A					
Bromide	<0.1	mg/l		12/17/04	AMW
Chloride	3.3	mg/l		12/17/04	AMW
Nitrate as N	1.6	mg/l		12/17/04 22:50	AMW
Sulfate	22	mg/l		12/17/04	AMW
(1) HACH 8000 COD					
Chemical Oxygen Demand	26	mg/l		12/30/04	JN
(5) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	66	mg/l		12/28/04	DSW
(1) SM 19 5310C TOC					
Total Organic Carbon	7.9	mg/l	12/17/04	12/17/04	RAF/KB B
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	120	mg/l		12/23/04	MM

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY

Sample ID:	MW-3S	**LSL Sample ID:**	0422212-007
Location:	Tannery Rd. Landfill		
Sampled:	12/16/04 11:50 **Sampled By:** EF		
Sample Matrix:	NPW		

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	110	mg/l		12/20/04	TER
(1) EPA 350.1 Ammonia					
Ammonia as N	52	mg/l		12/31/04	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	28	mg/l	12/30/04	12/31/04	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<10	mg/l		12/17/04 14:20	MM
This result should be considered an estimate due to low oxygen depletion.					
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	<0.002	mg/l	1/3/05	1/5/05	JN
(1) EPA 6010 Total Metals					
Cadmium	<0.01	mg/l		12/20/04	TER
Calcium	30	mg/l		12/20/04	TER
Iron	22	mg/l		12/20/04	TER
Lead	<0.01	mg/l		12/20/04	TER
Magnesium	7.5	mg/l		12/20/04	TER
Manganese	0.39	mg/l		12/20/04	TER
Potassium	66	mg/l		12/30/04	TER
Sodium	6.5	mg/l		12/20/04	TER
(1) EPA Method 300.0 A					
Bromide	<0.1	mg/l		12/18/04	AMW
Chloride	2.2	mg/l		12/18/04	AMW
Nitrate as N	<0.1	mg/l		12/18/04 00:07	AMW
Sulfate	6.3	mg/l		12/18/04	AMW
(1) HACH 8000 COD					
Chemical Oxygen Demand	110	mg/l		12/30/04	JN
(5) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	340	mg/l		12/28/04	DSW
(1) SM 19 5310C TOC					
Total Organic Carbon	35	mg/l	12/17/04	12/17/04	RAF/KB B
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	320	mg/l		12/23/04	MM

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY

Sample ID: MW-4S **LSL Sample ID:** 0422212-008

Location: Tannery Rd. Landfill

Sampled: 12/16/04 12:30 **Sampled By:** EF

Sample Matrix: NPW

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	34	mg/l		12/20/04	TER
(1) EPA 350.1 Ammonia					
Ammonia as N	0.84	mg/l		12/31/04	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	1.3	mg/l	12/30/04	12/31/04	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<4	mg/l		12/17/04 14:20	MM
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	<0.002	mg/l	1/3/05	1/5/05	JN
(1) EPA 6010 Total Metals					
Cadmium	<0.01	mg/l		12/20/04	TER
Calcium	8.5	mg/l		12/20/04	TER
Iron	6.4	mg/l		12/20/04	TER
Lead	<0.01	mg/l		12/20/04	TER
Magnesium	3.1	mg/l		12/20/04	TER
Manganese	0.23	mg/l		12/20/04	TER
Potassium	5.1	mg/l		12/20/04	TER
Sodium	1.3	mg/l		12/20/04	TER
(1) EPA Method 300.0 A					
Bromide	<0.1	mg/l		12/18/04	AMW
Chloride	3.2	mg/l		12/18/04	AMW
Nitrate as N	<0.1	mg/l		12/18/04 00:25	AMW
Sulfate	8.0	mg/l		12/18/04	AMW
(1) HACH 8000 COD					
Chemical Oxygen Demand	130	mg/l		12/30/04	JN
(5) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	32	mg/l		12/28/04	DSW
(1) SM 19 5310C TOC					
Total Organic Carbon	48	mg/l	12/17/04	12/17/04	RAF/KB
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	130	mg/l		12/23/04	MM

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY

Sample ID:	MW-5S	**LSL Sample ID:**	0422212-009
Location:	Tannery Rd. Landfill		
Sampled:	12/16/04 13:15 **Sampled By:** EF		
Sample Matrix:	NPW		

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 200.7 Total Hardness as CaCO3					
Hardness, Total	94	mg/l		12/20/04	TER
(1) EPA 350.1 Ammonia					
Ammonia as N	<0.03	mg/l		12/31/04	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	0.14	mg/l	12/30/04	12/31/04	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<4	mg/l		12/17/04 14:20	MM
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	<0.002	mg/l	1/3/05	1/5/05	JN
(1) EPA 6010 Total Metals					
Cadmium	<0.01	mg/l		12/20/04	TER
Calcium	24	mg/l		12/20/04	TER
Iron	22	mg/l		12/20/04	TER
Lead	<0.01	mg/l		12/20/04	TER
Magnesium	4.2	mg/l		12/20/04	TER
Manganese	0.63	mg/l		12/20/04	TER
Potassium	2.7	mg/l		12/20/04	TER
Sodium	1.2	mg/l		12/20/04	TER
(1) EPA Method 300.0 A					
Bromide	<0.1	mg/l		12/18/04	AMW
Chloride	2.5	mg/l		12/18/04	AMW
Nitrate as N	0.19	mg/l		12/18/04 00:42	AMW
Sulfate	8.3	mg/l		12/18/04	AMW
(1) HACH 8000 COD					
Chemical Oxygen Demand	14	mg/l		12/30/04	JN
(5) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	88	mg/l		12/28/04	DSW
(1) SM 19 5310C TOC					
Total Organic Carbon	5.4	mg/l	12/17/04	12/17/04	RAF/KB B
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	90	mg/l		12/23/04	MM

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY

Sample ID: MW7D MS LSL Sample ID: 0422212-010

Location: Tannery Rd. Landfill

Sampled: 12/16/04 9:00 Sampled By: EF

Sample Matrix: QC

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 350.1 Ammonia					
Ammonia as N	91	%R		12/31/04	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	47	%R	12/30/04	12/31/04	DRB
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	107	%R	1/3/05	1/5/05	JN
(1) EPA 6010 Total Metals					
Cadmium	90	% R		12/20/04	TER
Calcium	105	% R		12/20/04	TER
Iron	113	% R		12/20/04	TER
Lead	92	% R		12/20/04	TER
Magnesium	102	% R		12/20/04	TER
Manganese	89	% R		12/20/04	TER
Potassium	119	% R		12/20/04	TER
Sodium	78	% R		12/20/04	TER
(1) EPA Method 300.0 A					
Bromide	80	%R		12/17/04	AMW
Chloride	81	%R		12/17/04	AMW
Nitrate as N	90	%R		12/17/04 22:21	AMW
Sulfate	87	%R		12/17/04	AMW
(1) HACH 8000 COD					
Chemical Oxygen Demand	104	%R		12/30/04	JN
(5) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	135	%R		12/28/04	DSW
(1) SM 19 5310C TOC					
Total Organic Carbon	94	%R	12/17/04	12/17/04	RAF/KB

-- LABORATORY ANALYSIS REPORT --

Delaware Engineering Albany, NY

Sample ID: MW-7D MSD **LSL Sample ID:** 0422212-011
Location: Tannery Rd. Landfill
Sampled: 12/16/04 9:00 **Sampled By:** EF
Sample Matrix: QC

Analytical Method / Analyte	Result	Units	Prep Date	Analysis Date & Time	Analyst Initials
(1) EPA 350.1 Ammonia					
Ammonia as N	8	RPD		12/31/04	DRB
(1) EPA 351.2 TKN as N					
Total Kjeldahl Nitrogen	55	RPD	12/30/04	12/31/04	DRB
(1) EPA 405.1 BOD-5					
Biochemical Oxygen Demand, 5 Day	<1	RPD		12/17/04 14:20	MM
(1) EPA 420.1 Recoverable Phenolics ML					
Phenolics, Total Recoverable	<1	RPD	1/3/05	1/5/05	JN
(1) EPA 6010 Total Metals					
Cadmium	<1	RPD		12/20/04	TER
Calcium	4	RPD		12/20/04	TER
Iron	<1	RPD		12/20/04	TER
Lead	<1	RPD		12/20/04	TER
Magnesium	3	RPD		12/20/04	TER
Manganese	3	RPD		12/20/04	TER
Potassium	7	RPD		12/20/04	TER
Sodium	4	RPD		12/20/04	TER
(1) EPA Method 300.0 A					
Bromide	<1	RPD		12/17/04	AMW
Chloride	2	RPD		12/17/04	AMW
Nitrate as N	8	RPD		12/17/04 22:04	AMW
Sulfate	1	RPD		12/17/04	AMW
(1) HACH 8000 COD					
Chemical Oxygen Demand	2	RPD		12/30/04	JN
(5) SM 18 2320B, Alkalinity as CaCO3					
Alkalinity	3	RPD		12/28/04	DSW
(1) SM 19 5310C TOC					
Total Organic Carbon	1.3	RPD	12/17/04	12/17/04	RAF/KB B
(1) SM18-2540C Total Dissolved Solids					
Total Dissolved Solids @ 180 C	17	RPD		12/23/04	MM

DECEMBER 2004

O & M INSPECTION CHECKLIST

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 12/16/04 Inspector: EGF

Weather: Partly cloudy 20° F

GENERAL INSPECTION - To Be Completed Monthly

		Notes Problems
General Site Condition:		
Gates - condition and locks for inner & outer gates:	OK	OK
Access Road - surface/paving/snow	OK	OK
Overall appearance (trash/litter)	OK	OK
Pump Station at Tannery Road: Condition:	OK	OK
Pump #1 Hours: 049273 Pump #2 Hours: 040650		
Panel/Wells on Landfill		
Manholes along road - general condition, erosion, overflows	OK	OK
Pump Well No's 1, 2, 3 & 4 - Well head condition/integrity	OK	OK
Meter Pit - open lid, check heater, leaks, etc.	OK	OK
Panel note conditions and any alarms:	OK	OK

Totallizers (in meter pit)

RW-1 4555700 RW-3 [illegible]85600

RW-2 8226800 RW-4 3211800

Hour Meters

RW-1 147203 RW-3 370957

RW-2 140267 RW-4 220928

Landfill Cover Inspection		
Leachate seeps Any new seeps NO	If YES, describe:	NO
Western seep condition:		none apparent
North seep condition:		none apparent
Gas vents - general condition	OK	OK
- Unusual odors, list vents/describe.		
Flares ignited	OK	NO
Perimeter fence	OK	
Erosion/animal burrows NO	If YES, describe:	See November Monthly Report

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 12/16/2004 Inspector: Ed Fahrenkopf

Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	4.66	444.93	
MW - 2S	459.44	6.32	453.12	
MW - 3S	456.4	3.68	452.72	
MW - 4S	456.19	3.78	452.41	
MW - 5S	457.15	4.42	452.73	
MW - 7S	452.25	7.62	444.63	
MW - 9S	456.38	3.77	452.61	
MW - 10	486.3	35.19	451.11	
MW - 11	502.4	52.53	449.87	
MW - 12	483.11	32.69	450.42	
PZ - 1	454.37	5.85	448.52	

NOTES:

MW-7D 7.69
MW-1D 5.23
MW-2D 6.60
MW-4D 4.41
MW-5D 4.47

JANUARY 2005

O & M INSPECTION CHECKLIST

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 1/20/05 Inspector: EGF.
Weather: Sunny 5° F

GENERAL INSPECTION - To Be Completed Monthly

		Notes Problems
General Site Condition:		
Gates - condition and locks for inner & outer gates:	OK	Ok
Access Road - surface/paving/snow	OK	OK
Overall appearance (trash/litter)	OK	OK
Pump Station at Tannery Road: Condition:	OK	
Pump #1 Hours: 049993 Pump #2 Hours:		041273
Panel/Wells on Landfill		
Manholes along road - general condition, erosion, overflows	OK	Ok
Pump Well No's 1, 2, 3 & 4 - Well head condition/integrity	OK	Ok
Meter Pit - open lid, check heater, leaks, etc.	OK	OK
Panel note conditions and any alarms:	OK	OK NO Alarms

Totallizers (in meter pit)

RW-1 4568000 RW-3 2636900
RW-2 8351300 RW-4 3271100

Hour Meters

RW-1 155611 RW-3 279365
RW-2 148676 RW-4 229337

Landfill Cover Inspection		
Leachate seeps Any new seeps	NO	If YES, describe: none apparent
Western seep condition:		no seepage present
North seep condition:		no seepage present
Gas vents - general condition		OK
- Unusual odors, list vents/describe.		no odors
Flares ignited NO		OK none ignited
Perimeter fence OK		OK OK
Erosion/animal burrows	NO	If YES, describe:

See November Monthly Report

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 1/20/05 Inspector: EGF

Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	5.08	444.51	OK
MW - 2S	459.44	6.88	452.56	OK
MW - 3S	456.4	3.85	452.55	OK
MW - 4S	456.19	3.86	452.33	OK
MW - 5S	457.15	4.68	452.47	OK
MW - 7S	452.25	7.69	444.56	OK
MW - 9S	456.38	3.85	452.53	OK
MW - 10	486.3	35.05	451.25	OK
MW - 11	502.4	52.15	450.25	OK
MW - 12	483.11	32.61	450.5	OK
PZ - 1	454.37	6.46	447.91	OK

NOTES:

MW-7D 7.78
MW-1D 5.53
MW-4D 4.56
MW-5D 4.71

HISTORICAL

GROUND WATER DATA TABLES

City of Rome
Tannery Road Landfill
Monitoring Well MW-1S
Ground Water Analtyical Data

Date	03/01/99	06/01/99	09/01/99	12/01/99	03/01/00	06/01/00	09/01/00	12/01/00	03/01/01	06/01/01	09/01/01	12/01/01	03/28/02	06/17/02	09/24/02	12/18/02	03/12/03	06/25/03	09/17/03	12/16/2003	03/23/04	06/22/04	09/28/04	12/16/04	NYSDEC Ground Water Standard
Field Parameter																									
Conductivity (µmhos/cm)	31	103	398	89	39	39	31	23	23	34	62	37	75	67	190	58	376	21	180	20	24	35	44	73	NS
pH (s.u.)	8.64	5.97	6.37	7	5.85	7.88	6.45	5.27	6.18	4.95	5.89	6.23	7.7	6.5	7.42		7.5	4.9	6.24	6.5	5.22	5.11	5.3	6.2	6.5 - 8.5
Temperature (deg C)	3.2	13.3	15.2	5.9	4.2	13	15.3		3.9	14.7	14.8	6.7	6	12.5	13.7	5.3	7.2	13	13.6	6	4.2	11.5	15	7	NS
Turbidity (NTU)	785	925	560	140	222	161	527	195	316	186	88	90	145	68	126	8	65	556	52	50	113	73	29	140	5
Part 360 Leachate Indicator Parameters																									
Ammonia-Nitrogen (mg/L)	<0.5	<0.5	2	<0.3	<0.3	<0.030	<0.030	<0.030	0.073	<0.030	0.089	<0.030	<0.030	<0.030	1.1	<0.030	0.14	<0.03	0.38	<0.03	<0.030	0.059	0.14	<0.03	2
Biochemical Oxygen Demand (BOD5) (mg/L)	8	<4.0	<2.0	2	<2.0	30	<2.0	<4.0		<4.0	<4.0	<4.0	<4.0	4.6	12	<4.0	8.6	<4	<4.0	<4	<4.0	<4	<4	<4	NS
Bromide (mg/L)	<0.2	<2.0	<2.0	<2.0	<2.0	2.5	<0.010	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	0.12	<0.100	<0.1	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	2
Chemical Oxygen Demand (mg/L)	52	100	25	14	12	6.7	96	19	36	26	34	14	24	45	66	9.9	<1.0	33	25	35	18	27	7.9	9.7	NS
Chloride (mg/L)	<1.0	31	28	3.7	2.3	450	3.3	2.5	2.9	2.4	3.8	2.5	2.7	2.7	6.4	2.6	36	3.8	8.2	2.5	3.4	3.3	2.5	2.7	250
Color (Pt-Co)		46				30						50	20					8					180		15
Nitrate-Nitrogen (mg/L)	<0.2	<0.2	<0.2	0.4	0.3	0.18	0.1	<0.100	0.15	0.15	0.16	<0.100	0.15	<0.100	0.13	0.14	<0.1	0.15	<0.1	<0.1	0.16	0.17	0.14	<0.1	10
Sulfate (mg/L)	5	10	94	9.8	7.7	4.7	9.7	6.9	6.7	6.8	17	6.2	7	6	13	6.2	<1.0	7.9	15	6.9	7.4	8.2	7.1	6.6	250
Total Alkalinity (mg/L)	<10.0	37	84	7.8	9	1.9	15	1.2	1.4	2	12	1.9	<1.0	4	64	4	170	4	37	<1	<1.000	6	8	4	NS
Total Cyanide (mg/L)		<0.010					<0.010					<0.010	<0.010					<0.01					0.01		0.2
Total Dissolved Solids (mg/L)	140	140	260	39	30	1,900	26	<4.0	14	56	190	<4.0	170	26	120	42	280	30	120	34	32	20	52	14	500
Total Hardness (mg/L)	19	120	136	14	23	8	16	7.7	10	8.6	20	9.8	6.6	7.3	60	7.6	210	12	58	<7	7.8	3.7	5.4	<7	NS
Total Kjeldahl Nitrogen (mg/L)	<0.5	2.4	1.3	<0.3	0.6	0.3	1.3	0.39	0.62	0.62	0.6	0.23	0.13	0.42	1.7	0.25	<0.1	0.27	0.58	0.34	0.53	0.69	0.28	0.2	NS
Total Organic Carbon (mg/L)	14	34	7	7.8	15.3	4.4	29	5.5	16	11	13	11.3	8.3	14	26	10	5.5	5.6	10	14	4.1	8.6	3	3.2	NS
Total Phenols (mg/L)	<0.005	<0.005	<0.001	0.004	0.001	<0.002	0.007	0.003	<0.002	<0.002	<0.002	<0.002	<0.002	0.012	0.003	<0.002	0.0046	<0.002	<0.002	0.0034	<0.002	<0.002	<0.002	<0.002	0.001
Part 360 Routine Metals																									
Boron (mg/L)		<0.100				<0.5	<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			<0.5	<0.5	<0.5	<0.5		<0.01		1
Cadmium (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	<0.01	<0.01	0.005
Calcium (mg/L)	3.26	29.1	43.2	4.2	6.7	1.5	3.1	1.4	1.9	1.7	5.7	2.2	1	1.3	18	1.4	62	3.4	18	<1	1.5	1.5	2.2	0.73	NS
Iron (mg/L)	16.3	30.5	33.1	3.1	4.3	1.9	17	6.3	8.8	5.6	7.8	3.2	4.5	4.7	50	7.2	2	2.8	8.1	2.7	2.4	2.3	1.1	0.16	0.3*
Lead (mg/L)	0.012	0.029	0.01	<0.005	<0.005	<0.010	0.011	<0.010	<0.010	<0.010	<0.010	<1.0	<0.010	<0.010	0.02	<0.010	<0.01	<0.01	0.012	<0.01	<0.010	<0.01	<0.01	<0.01	0.025
Magnesium (mg/L)	2.7	11.2	6.8	0.94	1.5	<1.0	2	1	1.3	1	1.5	<1.0	<1.0	<1.0	3.9	<1.0	14	<1.0	3.3	<1	<1.0	<1	<1	0.25	35 (GV)
Manganese (mg/L)	0.257	0.759	1.2	0.17	0.12	0.04	0.23	0.075	0.11	0.093	0.19	0.07	0.11	0.069	0.74	0.045	0.23	0.06	0.45	0.031	0.049	0.1	0.061	0.014	0.3*
Potassium (mg/L)	1.99	5.39	2.9	0.7	3.3	<1.0	1.2	<1.0	1.1	<1.0	1.2	<1.0	<1.0	<1.0	3.1	<1.0	1.2	<1.0	2.7	<1	<1.0	<1	<1	0.27	NS
Sodium (mg/L)	1.2	12.2	9.9	1.8	8.8	1.6	1.2	<1.0	1.2	<1.0	7.5	1.2	2.8	<1.0	4.9	<1.0	12	1.7	12	<1	1.1	1.2	1.2	0.74	20
Part 360 Additional Baseline Metals																									
Aluminum (mg/L)		32					25					5	8.9					3					2.1		NS
Antimony (mg/L)		<0.015					0.012					<0.010	<0.010					<0.01					<0.01		0.003
Arsenic (mg/L)		0.018					<0.010					<0.010	<0.010					0.013					<0.01		0.025
Barium (mg/L)		0.431					<0.2					<0.2	<0.2					<0.2					<0.2		1
Beryllium (mg/L)		<0.003					<0.010					<0.010	<0.010					<0.01					<0.01		0.003 (GV)
Chromium (mg/L)		0.047					0.01					<0.010	<0.010					<0.01					<0.01		0.05
Chromium, Hexavalent (mg/L)		<0.010					<0.010					<0.010	<0.010					<0.01					<0.01		0.05
Cobalt (mg/L)		<0.020					<0.010					<0.010	<0.010					<0.01					<0.01		NS
Copper (mg/L)		0.041					0.022					<0.010	<0.010					0.012					<0.01		0.2
Mercury (mg/L)		<0.0002					0.00053					<0.0002	0.000300					<0.0002					<0.0002		0.0007
Nickel (mg/L)		0.039					0.012					<0.010	<0.010					<0.01					<0.01		0.1
Selenium (mg/L)		<0.005					<0.010					<0.010	<0.010					<0.01					<0.01		0.01
Silver (mg/L)		<0.010					<0.010					<0.010	<0.010					<0.01					<0.01		0.05
Thallium (mg/L)		<0.010					<0.010					<0.010	<0.010					<0.01					<0.01		0.0005 (GV)
Vanadium (mg/L)		0.031					0.012					<0.010	<0.010					<0.01					<0.01		NS
Zinc (mg/L)		0.149					0.1					0.04	0.033					0.094					0.022		2
Part 360 Volatile Organics																									
1,1,1,2-Tetrachloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
1,1,1-Trichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
1,1,2,2-Tetrachloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
1,1,2-Trichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		1
1,1-Dichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
1,1-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
1,2,3-Trichloropropane (µg/L)												<5.0	<5.0					<5					<1		0.04
1,2-Dibromo-3-chloropropane (µg/L)		<10.0					<5.0					<5.0	<5.0					<5					<1		0.04
1,2-Dibromoethane (EDB) (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
1,2-Dichlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		3
1,2-Dichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		0.6
1,2-Dichloropropane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		1
1,3-Dichlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0												3
1,4-Dichloro-2-butene (µg/L)		<10.0					<5.0					<10.0	<10.0												5
1,4-Dichlorobenzene (µg/L)		<5.0					<10.0					<10.0	<10.0					<5					<1		3
2-Butanone (MEK) (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		50 (GV)
2-Hexanone (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		50 (GV)
4-Methyl 2-pentanone (µg/L)		<10.0					<10.0					<20.0	<20.0				<10	<10					<10		NS
Acetone (µg/L)		<10.0					<20.0					<5.0	<5.0				11	<10					<10		50 (GV)

City of Rome
Tannery Road Landfill
Monitoring Well MW-1S
Ground Water Analtyical Data

Date	03/01/99	06/01/99	09/01/99	12/01/99	03/01/00	06/01/00	09/01/00	12/01/00	03/01/01	06/01/01	09/01/01	12/01/01	03/28/02	06/17/02	09/24/02	12/18/02	03/12/03	06/25/03	09/17/03	12/16/2003	03/23/04	06/22/04	09/28/04	12/16/04	NYSDEC Ground Water Standard
Acrylonitrile (µg/L)		<100					<5.0					<5.0	<5.0					<20					<5		5
Benzene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		1
Bromochloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
Bromodichloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		50 (GV)
Bromoform (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		50 (GV)
Bromomethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Carbon disulfide (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		60 (GV)
Carbon tetrachloride (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Chlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Chloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Chloroform (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		7
Chloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
cis-1,2-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
cis-1,3-Dichloropropene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		0.4**
Dibromochloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		50 (GV)
Dibromomethane (µg/L)		<5.0					<20.0					<20.0	<10.0					<5					<1		5
Ethyl benzene (µg/L)		<5.0					<10.0					<10.0	<10.0				<5	<5					<1		5
Iodomethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<10					<10		5
Methylene Chloride (µg/L)		<5.0					<5.0					<5.0	<5.0				<10	<10					<10		5
Styrene (µg/L)							<5					<5	<5				<5	<5					<1		5
Tetrachloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Toluene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
trans-1,2-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
trans-1,3-Dichloropropene (µg/L)		<5.0					<50.0					<50.0	<10.0				<5	<5					<1		0.4**
trans-1,4-Dichloro-2-butene (µg/L)							<50					<50	<10					<10					<10		5
Trichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Trichlorofluoromethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
Vinyl Acetate (µg/L)		<50.0					<20.0					<20.0	<20.0					<20					<5		NS
Vinyl Chloride (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		2
Xylenes (Total) (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
1,2-Dichloroethene - Total																	<5								

Notes
1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers

City of Rome
Tannery Road Landfill
MW-3S
Ground Water Analytical Data

Parameter	03/01/99	06/01/99	09/01/99	12/01/99	03/01/00	06/01/00	09/01/00	12/01/00	03/01/01	06/01/01	09/01/01	12/01/01	03/28/02	06/17/02	09/24/02	12/18/02	03/12/03	06/25/03	09/17/03	12/16/03	03/23/04	06/22/04	09/28/04	12/16/04	NYSDEC Ground Water Standards
Field Parameters																									
Conductivity (µmhos/cm)	4,440	3,980	3,690	3,270	3,800	3,650	3,370	3,390	3,130	2,870	2,150	2,680	2,390	1,600	1,250	1,490	Frozen	1,140	1,150	1,000	Frozen	815	841	2400	NS
pH (s.u.)	6.58	6.82	6.74	**6.36**	6.65	6.92	6.63	6.59	**6.42**	**6.3**	6.68	6.71	6.46	6.83	8.2		Frozen	6.83	6.98	7.1	Frozen	6.6	6.57	6.7	6.5 - 8.5
Temperature (deg C)	6.4	141	15.6	7.1	5.5	11.3	15.1	6.4	5	14	12.5	7.6	6.2	11.1	15.2	6.6	Frozen	12.1	15	7	Frozen	11.7	14	7	NS
Turbidity (NTU)	**88**	**482**	**357**	**167**	77	**78**	**132**	**49**	**35**	**31**	**56**	**42**	**32**		**14**	0	Frozen	**109**	**60**	**70**	Frozen	**11**	**86**	**95**	5
Leachate Indicator Parameters																									
Ammonia-Nitrogen (mg/L)		**75**	**89**	**84**	**120**	**120**	**160**	**130**	**130**	**110**	**95**	**130**	**120**	**82**	**53**	78	Frozen	**78**	**72**	75	Frozen	**53**	**56**	**52**	2
Biochemical Oxygen Demand (BOD5) (mg/L)	18	35	28	28	34	16	31	30		24	16	12	11	<10	35	<10	Frozen	14	<4.0	17	Frozen	12	16	<10	NS
Bromide (mg/L)	0.9	<2	<2	**4**	**3.8**	0.12	**3**	1.6	1.2	1.1	0.5	0.79	0.52	0.15	0.11	0.14	Frozen	<0.1	<0.1	<0.1	Frozen	<0.1	<0.1	<0.1	2
Chemical Oxygen Demand (mg/L)	930	320	<1	310	420	430	550	410	350	180	410	230	220	150	110	110	Frozen	93	96	120	Frozen	83	84	110	NS
Chloride (mg/L)	**560**	**560**	**430**	**320**	**350**	13	**370**	**400**	220	210	110	150	130	42	24	25	Frozen	5.7	10	4.4	Frozen	4.1	3.3	2.2	250
Color (Pt-Co)		**290**					**1,200**					**750**	**900**				Frozen	**500**	<0.1	0.17	Frozen		**750**		15
Nitrate-Nitrogen (mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	0.28	<0.1	<0.1	<0.1	0.15	<0.1	<0.1	<0.1	<0.1	0.6	<0.1	Frozen	0.15			Frozen	0.18	0.15	<0.1	10
Sulfate (mg/L)	<5	6	110	16	48	32	2.3	5.8	33	32	66	79	94	63	120	110	Frozen	94	49	52	Frozen	55	36	6.3	250
Total Alkalinity (mg/L)	1,800	1,500	550	600	1,400	1,300	1,100	1,100	1,200	1,200	930	860	840	660	480	550	Frozen	410	450	370	Frozen	360	340	340	NS
Total Cyanide		<0.01					<0.01					<0.01	<0.01				Frozen	<0.01	490	350	Frozen		<0.01		0.2
Total Dissolved Solids (mg/L)	**2,600**	**2,200**	**2,280**	**1,710**	**1,930**	**250**	**2,100**	**1,600**	**1,500**	**1,500**	**1,100**	**1,200**	**1,100**	**680**	**610**	**580**	Frozen	430			Frozen	370	350	320	500
Total Hardness (mg/L)	770	750	644	504	478	430	470	410	320	360	290	260	200	170	190	150	Frozen	120	190	**100**	Frozen	120	100	110	NS
Total Kjeldahl Nitrogen (mg/L)	85	85	99	89	120	170	160	130	150	130	100	120	140	76	61	32	Frozen	86	63	64	Frozen	63	50	28	NS
Total Organic Carbon (mg/L)	200	170	247	123	36	200	150	130	120	130	84	90	86	60	47	43	Frozen	22	35	43	Frozen	30	26	35	NS
Total Phenols (mg/L)	**0.009**	<0.005	**0.006**	**0.008**	**0.005**	**0.0038**	**0.0052**	**0.0031**	**0.0025**	**0.0032**	**0.0022**	**0.0034**	<0.002	**0.011**	**0.0038**	<0.002		<0.002	<0.002	**0.0053**		<0.002	<0.002	<0.002	0.001
Part 360 Routine Metals																									
Boron (mg/L)		**2.2**				**2.5**	**2.4**			**1.2**	**1.3**	**1.6**	**1.4**	**1.1**	1		Frozen	<0.5	0.85	<0.5	Frozen		0.37	<0.01	1
Cadmium (mg/L)		0.0084	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Frozen	<0.01	<0.01	<0.01	Frozen	<0.01	<0.01	30	0.005
Calcium (mg/L)	216	212	171	134	123	110	120	110	87	99	82	73	52	49	56	46	Frozen	39	59	32	Frozen	37	29	**22**	NS
Iron (mg/L)	**64.4**	**66.6**	**55.8**	**40.8**	**45.6**	**48**	**48**	**34**	**34**	**34**	**26**	**30**	**24**	**15**	**29**	**14**	Frozen	**12**	**14**	**29**	Frozen	**11**	**9.3**	<0.01	0.3*
Lead (mg/L)	<0.003	0.0123	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	Frozen	<0.01	0.011	<0.01	Frozen	<0.01	<0.01	7.5	0.025
Magnesium (mg/L)	55.7	**54.7**	**52.6**	**41**	**41.5**	**37**	**39**	33	25	28	20	20	15	11	11	9.1	Frozen	6.9	10	5.3	Frozen	7.3	6.8	**0.39**	35 (GV)
Manganese (mg/L)	**1.96**	**1.87**	**1.6**	**1.4**	**1.3**	**1.3**	**1.5**	**1.2**	**1.1**	**1.2**	**0.95**	**0.91**	**0.74**	**0.6**	**0.63**	**0.5**	Frozen	**0.43**	**0.61**	**0.36**	Frozen	0.043	**0.38**	66	0.3*
Potassium (mg/L)	202	191	210	160	160	210	230	210	170	170	140	150	140	110	79	97	Frozen	93	94	79	Frozen	110	110	6.5	NS
Sodium (mg/L)	**960**	**417**	**310**	**310**	**300**	**320**	**510**	**370**	**320**	**370**	**220**	**250**	**210**	**92**	**54**	**76**	Frozen	16	**27**	10	Frozen	9.3	6.1		20
Part 360 Baseline Metals																									
Aluminum (mg/L)		4.04					1.8					1	0.91					1.3					0.44		NS
Antimony (mg/L)		<0.015					0.043					<0.01	<0.01					<0.01					<0.01		0.003
Arsenic (mg/L)		<0.01					0.01					<0.01	<0.01					0.011					0.012		0.025
Barium (mg/L)		**1.25**					**1.3**					0.61	0.5					0.27					<0.2		1
Beryllium (mg/L)		<0.003					0.01					<0.01	<0.01					<0.01					<0.01		0.003 (GV)
Chromium (mg/L)		0.0222					0.025					0.015	0.018					0.011					<0.01		0.05
Chromium, Hexavalent (mg/L)		<0.01					<0.01					<0.01	<0.5					<0.01					<0.01		0.05
Cobalt (mg/L)		<0.02					0.013					<0.01	<0.01					<0.01					<0.01		NS
Copper (mg/L)		0.0163					<0.01					<0.01	<0.01					<0.01					<0.01		0.2
Mercury (mg/L)		<0.0002					<0.0002					0.007	<0.0002					<0.0002					<0.0002		0.0007
Nickel (mg/L)		<0.03					0.033					0.019	0.027					<0.01					0.011		0.1
Selenium (mg/L)		<0.005					<0.01					<0.01	<0.01					<0.01					<0.01		0.01
Silver (mg/L)		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01		0.05
Thallium (mg/L)		0.0139					<0.01					<0.01	<0.01					<0.01					<0.01		0.0005 (GV)
Vanadium (mg/L)		0.0457					0.075					0.042	0.051					0.027					0.018		NS
Zinc (mg/L)		0.107					0.062					0.025	0.021					0.091					0.02		2
Volatile Organics																									
1,1,1,2-Tetrachloroethane (µg/L)							<5					<5	<5				Frozen	<5					<1		5
1,1,1-Trichloroethane (µg/L)		<5					<5					<5	<5				Frozen	<5					<1		5
1,1,2,2-Tetrachloroethane (µg/L)		<5					<5					<5	<5				Frozen	<5					<1		5
1,1,2-Trichloroethane (µg/L)		<5					<5					<5	<5				Frozen	<5					<1		1
1,1-Dichloroethane (µg/L)		<5					<5					<5	<5				Frozen	<5					<1		5
1,1-Dichloroethene (µg/L)		<5					<5					<5	<5				Frozen	<5					<1		5
1,2,3-Trichloropropane (µg/L)							<5					<5	<5				Frozen	<5					<1		0.04
1,2-Dibromo-3-chloropropane (µg/L)		<10					<5					<5	<5				Frozen	<5					<1		0.04
1,2-Dibromoethane (EDB) (µg/L)		<5					<5					<5	<5				Frozen	<5					<1		5
1,2-Dichlorobenzene (µg/L)		<5					<5					<5	<5				Frozen	<5					<1		3
1,2-Dichloroethane (µg/L)		<5					<5					<5	<5				Frozen	<5					<1		0.6
1,2-Dichloropropane (µg/L)		<5					<5					<5	<5				Frozen	<5					<1		1
1,3-Dichlorobenzene (µg/L)		<5																							3
1,4-Dichloro-2-butene (µg/L)		<10																							5
1,4-Dichlorobenzene (µg/L)		<5					<5					<5	<5				Frozen	<5					<1		3
2-Butanone (MEK) (µg/L)		<10					<10					<10	<10				Frozen	<10					<10		50 (GV)
2-Hexanone (µg/L)		<10					<10					<10	<10				Frozen	<10					<10		50 (GV)
4-Methyl 2-pentanone (µg/L)		<10					<10					<10	<10				Frozen	<10					<10		NS
Acetone (µg/L)		21					<10					<10	<10				Frozen	<10					<10		50 (GV)
Acrylonitrile (µg/L)		<<100					<20					<20	<20				Frozen	<20					<5		5
Benzene (µg/L)		<5					<5					<5	<5				Frozen	<5					<1		1
Bromochloromethane (µg/L)		<5					<5					<5	<5				Frozen	<5					<1		5
Bromodichloromethane (µg/L)		<5										<5	<5				Frozen	<5					<1		50 (GV)
Bromoform (µg/L)		<5					<5					<5	<5				Frozen	<5					<1		50 (GV)

City of Rome
Tannery Road Landfill
MW-3S
Ground Water Analytical Data

Parameter	03/01/99	06/01/99	09/01/99	12/01/99	03/01/00	06/01/00	09/01/00	12/01/00	03/01/01	06/01/01	09/01/01	12/01/01	03/28/02	06/17/02	09/24/02	12/18/02	03/12/03	06/25/03	09/17/03	12/16/03	03/23/04	06/22/04	09/28/04	12/16/04	NYSDEC
Bromomethane (µg/L)		<5					<5					<5	<5				Frozen	<5					<1		5
Carbon disulfide (µg/L)		6					<5					<5	<5				Frozen	<5					<1		60 (GV)
Carbon tetrachloride (µg/L)		<5					<5					<5	<5				Frozen	<5					<1		5
Chlorobenzene (µg/L)		<5					<5					<5	<5				Frozen	<5					<1		5
Chloroethane (µg/L)		<5					<5					<5	<5				Frozen	<5					<1		5
Chloroform (µg/L)		<5					<5					<5	<5				Frozen	<5					<1		7
Chloromethane (µg/L)		<5					<5					<5	<5				Frozen	<5					<1		5
cis-1,2-Dichloroethene (µg/L)		<5					<5					<5	<5				Frozen	<5					<1		5
cis-1,3-Dichloropropene (µg/L)		<5					<5					<5	<5				Frozen	<5					<1		0.4**
Dibromochloromethane (µg/L)		<5					<5					<5	<5				Frozen	<5					<1		50 (GV)
Dibromomethane (µg/L)		<5					<5					<5	<5				Frozen	<5					<1		5
Ethyl benzene (µg/L)		<5					<5					<5	<5				Frozen	<5					<1		5
Iodomethane (µg/L)		<5					<20					<20	<10				Frozen	<10					<10		5
Methylene Chloride (µg/L)		<5					<10					<10	<10				Frozen	<10					<10		5
Styrene (µg/L)							<5					<5	<5				Frozen	<5					<1		5
Tetrachloroethene (µg/L)		<5					<5					<5	<5				Frozen	<5					<1		5
Toluene (µg/L)		<5					<5					<5	<5				Frozen	<5					<1		5
trans-1,2-Dichloroethene (µg/L)		<5					<5					<5	<5				Frozen	<5					<1		5
trans-1,3-Dichloropropene (µg/L)		<5					<5					<5	<5				Frozen	<5					<1		0.4**
trans-1,4-Dichloro-2-butene (µg/L)							<50					<50	<10				Frozen	<10					<10		5
Trichloroethene (µg/L)		<5					<5					<5	<5				Frozen	<5					<1		5
Trichlorofluoromethane (µg/L)		<5					<5					<5	<5				Frozen	<5					<1		5
Vinyl Acetate (µg/L)		<50					<20					<20	<20				Frozen	<20					<5		NS
Vinyl Chloride (µg/L)		<5					<5					<5	<5				Frozen	<5					<1		2
Xylenes (Total) (µg/L)		<5					<5					<5	<5				Frozen	<5					<1		5

Notes

1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers

City of Rome
Tannery Road Landfill
MW-4S
Ground Water Analytical Data

Parameter	3/1/99	6/1/99	9/1/99	12/1/99	3/1/00	6/1/00	9/1/00	12/1/00	3/1/01	6/1/01	9/1/01	12/1/01	3/28/02	6/17/02	9/24/02	12/18/02	3/12/03	6/25/03	9/17/03	12/16/03	3/23/04	6/22/04	9/28/04	12/16/04	NYSDEC Ground Water Standard
Field Parameter																									
Conductivity (µmhos/cm)	672	1,590	2,010	444	338	334	429	374	204	247	555	177	125	161	807	163	137	123	685	207	164	203	224	450	NS
pH (s.u.)	7.05	**6.43**	**6.23**	7.11	**6.18**	**6.36**	**6.14**	**6.04**	**5.81**	**5.7**	**6.07**	**6.07**	**5.96**	**6.05**	8.3		**5.7**	**5.96**	**6.14**	**5.5**	**5.64**	**5.2**	**5.75**	**6.1**	6.5 - 8.5
Temperature (deg C)	5.7	15.8	15	7.1	6.3	11	14.3	6.8	5.3	15.6	12.7	7.7	5.9	11.5	13.5	6.8	5.5	14.4	15.3	6	4.9	12.3	14.8	7	NS
Turbidity (NTU)	**137**	77	**87**	**86**	**40**	**79**	**58**	**33**	**29**	**24**	**19**	**18**	17		**91**	0	**25**	**147**	**116**	**6**	**10**	**341**	**46**	**70**	5
Part 360 Leachate Indicator Parameters																									
Ammonia-Nitrogen (mg/L)	**26**	**<0.5**	**90**	**15**	**14**	**15**	**24**	**18**	**7.4**	**9.8**	**32**	**3.1**	**1.7**	**3.5**	**39**	**2.3**	**2.6**	1.7	**35**	**4.2**	**3.8**	**5.9**	**3.6**	0.84	2
Biochemical Oxygen Demand (BOD5) (mg/L)	62	6	34	24	23	<2.0	14	<20.0		12	25	<10.0	<10.0	<10.0	49	<10.0	6.6	4.7	15	<4	<4.0	4.3	<4	<4	NS
Bromide (mg/L)	<0.2	<0.2	<2.0	<2.0	<2.0	<0.1	<0.1	<0.1	<0.1	0.12	0.24	<0.1	<0.1	<0.1	0.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.12	<0.1	<0.1	2
Chemical Oxygen Demand (mg/L)	540	44	22	110	120	110	160	140	110	98	160	88	62	84	230	44	54	75	220	87	74	98	120	130	NS
Chloride (mg/L)	50	3	200	23	100	2.7	21	16	7.1	8.7	43	5.6	4.5	5.3	99	4.6	5.3	3.8	98	4.8	2.5	8.4	7.4	3.2	250
Color (Pt-Co)		140					**250**					**300**	**250**					**175**					**550**		15
Nitrate-Nitrogen (mg/L)	<0.2	<0.2	<0.2	0.6	0.3	0.15	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.25	0.13	<0.1	0.15	<0.1	<0.1	<0.1	<0.1	10
Sulfate (mg/L)	24	32	11	56	52	28	40	35	11	17	49	27	17	15	20	39	24	14	25	31	3.2	26	20	8	250
Total Alkalinity (mg/L)	200	120	660	110	99	99	140	100	57	91	170	23	27	48	280	20	24	34	200	30	41	54	60	32	NS
Total Cyanide (mg/L)		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01		0.2
Total Dissolved Solids (mg/L)	320	**5,100**	**810**	330	240	160	340	250	170	200	300	180	160	150	**530**	130	150	140	**560**	80	130	190	190	130	500
Total Hardness (mg/L)	42	110	94	49	36	41	46	44	31	40	56	42	34	36	77	42	35	35	130	37	36	43	37	34	NS
Total Kjeldahl Nitrogen (mg/L)	26	0.8	70	4.6	12	23	24	20	8.2	12	34	4.6	2.1	4.9	47	2.4	2.8	2	35	4.3	3.1	5.9	6.4	1.3	NS
Total Organic Carbon (mg/L)	71	21	47.8	35.5	39.3	45	56	62	42	43	61	33	30	41	84	21	24	27	78	32	29	38	40	48	NS
Total Phenols (mg/L)	**0.056**	<0.005	**0.008**	**0.012**	**0.003**	**0.0023**	**0.0028**	**0.0028**	<0.002	**0.003**	**0.0024**	<0.002	**0.0022**	**0.0093**	**0.0056**	**0.0022**	<0.002	<0.002	**0.0045**	**0.0036**	<0.002	<0.002	**0.0079**	<0.002	0.001
Part 360 Routine Metals																									
Boron (mg/L)		<0.1				0.53	0.71			<0.5	0.65	<0.5	<0.5	<0.5	**1.1**			<0.01	**1.4**	<0.5	<0.5		0.28		1
Cadmium (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.005
Calcium (mg/L)	11.2	29.8	24.4	12.6	9.1	10	12	11	7.7	9.6	14	10	8.5	8.8	20	10	8.7	8.7	34	9.1	8.8	11	9.3	8.5	NS
Iron (mg/L)	**5.2**	**32.8**	**10.3**	**5.3**	**4.4**	**3.9**	**5.5**	**6.5**	**4.9**	**6.6**	**6.9**	**6.6**	**5.2**	**5.2**	**21**	**4.8**	**4.2**	**3.9**	**9.4**	**3.4**	**4**	**4.1**	**4.3**	**6.4**	0.3*
Lead (mg/L)	<0.003	0.0085	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.025
Magnesium (mg/L)	3.35	8.28	8.1	4.3	3.2	3.7	4.1	4.2	3	3.9	4.9	4	3.2	3.3	6.3	3.8	3.2	3.1	10	3.5	3.5	3.8	3.3	3.1	35 (GV)
Manganese (mg/L)	**0.335**	**4.11**	**0.62**	**0.41**	**0.31**	**0.33**	**0.35**	**0.38**	**0.3**	**0.37**	**0.48**	**0.38**	**0.32**	**0.32**	**0.55**	0.27	0.24	0.22	**0.88**	0.2	0.24	**0.3**	0.25	0.23	0.3*
Potassium (mg/L)	28.6	4.86	57	34.2	24.1	33	31	35	16	24	33	14	9.7	11	42	13	10	10	48	12	12	16	17	5.1	NS
Sodium (mg/L)	**35.8**	3.43	**150**	**27.9**	18.1	21	**32**	18	7.4	13	46	5.7	5.2	4	81	4.6	4.7	3.1	**100**	4	4.5	9.3	8.2	1.3	20
Part 360 Additional Basiline Metals																									
Aluminum (mg/L)		2.77					1.8					1.1	1.2					1.4					1.4		NS
Antimony (mg/L)		<0.015					<0.01					<0.01	<0.01					<0.01					<0.01		0.003
Arsenic (mg/L)		**0.027**					<0.01					<0.01	<0.01					0.011					<0.01		0.025
Barium (mg/L)		0.0855					<0.2					<0.2	<0.2					<0.2					<0.2		1
Beryllium (mg/L)		<0.003					<0.01					<0.01	<0.01					<0.01					<0.01		0.003 (GV)
Chromium (mg/L)		0.0097					<0.01					<0.01	<0.01					<0.01					<0.01		0.05
Chromium, Hexavalent (mg/L)		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01		0.05
Cobalt (mg/L)		<0.02					<0.01					<0.01	<0.01					<0.01					<0.01		NS
Copper (mg/L)		0.0258					<0.01					<0.01	<0.01					<0.01					<0.01		0.2
Mercury (mg/L)		<0.0002					<0.0002					<0.0002	<0.0002					<0.0002					<0.0002		0.0007
Nickel (mg/L)		<0.03					0.021					<0.01	<0.01					<0.01					<0.01		0.1
Selenium (mg/L)		<0.005					<0.01					<0.01	<0.01					<0.01					<0.01		0.01
Silver (mg/L)		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01		0.05
Thallium (mg/L)		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01		0.0005 (GV)
Vanadium (mg/L)		<0.3					0.011					<0.01	<0.01					<0.01					<0.01		NS
Zinc (mg/L)		0.0508					0.032					0.012	0.024					0.049					0.019		2
Part 360 Volatile Organics																									
1,1,1,2-Tetrachloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
1,1,1-Trichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
1,1,2,2-Tetrachloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
1,1,2-Trichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		1

City of Rome
Tannery Road Landfill
MW-4S
Ground Water Analytical Data

Parameter	3/1/99	6/1/99	9/1/99	12/1/99	3/1/00	6/1/00	9/1/00	12/1/00	3/1/01	6/1/01	9/1/01	12/1/01	3/28/02	6/17/02	9/24/02	12/18/02	3/12/03	6/25/03	9/17/03	12/16/03	3/23/04	6/22/04	9/28/04	12/16/04	NYSDEC Ground Water Standard
1,1-Dichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
1,1-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
1,2,3-Trichloropropane (µg/L)							<5.0					<5.0	<5.0					<5					<1		0.04
1,2-Dibromo-3-chloropropane (µg/L)		<10.0					<5.0					<5.0	<5.0					<5					<1		0.04
1,2-Dibromoethane (EDB) (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
1,2-Dichlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		3
1,2-Dichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		0.6
1,2-Dichloropropane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		1
1,3-Dichlorobenzene (µg/L)		<5.0																							<5
1,4-Dichloro-2-butene (µg/L)		<10.0																							<5
1,4-Dichlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		3
2-Butanone (MEK) (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		50 (GV)
2-Hexanone (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		50 (GV)
4-Methyl 2-pentanone (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		NS
Acetone (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		50 (GV)
Acrylonitrile (µg/L)		<100.0					<20.0					<20.0	<20.0					<20					<5		5
Benzene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		1
Bromochloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
Bromodichloromethane (µg/L)		<5.0										<5.0	<5.0				<5	<5					<1		50 (GV)
Bromoform (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		50 (GV)
Bromomethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Carbon disulfide (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		60 (GV)
Carbon tetrachloride (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Chlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Chloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Chloroform (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		7
Chloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
cis-1,2-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
cis-1,3-Dichloropropene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		0.4**
Dibromochloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		50 (GV)
Dibromomethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
Ethyl benzene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Iodomethane (µg/L)		<5.0					<20.0					<20.0	<10.0					<10					<10		5
Methylene Chloride (µg/L)		<5.0					<10.0					<10.0	<10.0				<10	<10					<10		5
Styrene (µg/L)							<5.0					<5.0	<5.0				<5	<5					<1		5
Tetrachloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Toluene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
trans-1,2-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
trans-1,3-Dichloropropene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		0.4**
trans-1,4-Dichloro-2-butene (µg/L)							<50.0					<50.0	<10.0					<10					<10		5
Trichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Trichlorofluoromethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
Vinyl Acetate (µg/L)		<50.0					<20.0					<20.0	<20.0					<20					<5		NS
Vinyl Chloride (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		2
Xylenes (Total) (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
1,2-Dichloroethene - Total																	<5								

Notes

1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers

City of Rome
Tannery Road Landfill
MW-5S
Ground Water Analytical Data

Parameter	3/1/99	6/1/99	9/1/99	12/1/99	3/1/00	6/1/00	9/1/00	12/1/00	3/1/01	6/1/01	9/1/01	12/1/01	3/28/02	6/17/02	9/24/02	12/18/02	3/12/03	6/25/03	9/17/03	12/16/03	3/23/04	6/22/04	9/28/04	12/16/04	NYSDEC Ground Water Standard
Field Parameter																									
Conductivity (µmhos/cm)	869	340	308	195	540	230	167	219	456	163	433	227	232	223	112	252	227	208	102	230	306	112	118	276	NS
pH (s.u.)	7.56	6.75	**6.48**	7.3	**6.46**	6.75	6.85	6.67	**6.26**	6.5	6.75	6.84	6.57	6.85	**5.67**		6.5	6.77	6.85	6.9	**6.15**	**6.1**	**6.44**	**6.6**	6.5 - 8.5
Temperature (deg C)	5.2	16.2	13.1	7	6.5	10.9	12.8	6.6	6	14.6	11.6	7.7	4.8	10.1	13.2	6.9	5.5	13.1	14.3	7	5.4	11.3	14.1	8	NS
Turbidity (NTU)	**64**	**533**	**204**	**162**	**74**	**55**	**198**	**46**	**35**	**42**	**68**	**36**	**47**		**837**	0	**27**	**334**	**202**	**140**	**41**	**150**	**108**	**154**	5
Part 360 Leachate Indicator Parameters																									
Ammonia-Nitrogen (mg/L)	1.5	<0.5	<0.3	<0.3	<0.3	0.11	0.11	0.34	1.3	0.34	1.4	0.43	0.82	0.26	0.09	0.57	0.65	0.71	0.058	0.4	0.83	<0.03	<0.03	<0.03	2
Biochemical Oxygen Demand (BOD5) (mg/L)	11	11	2	2	62	20	<2.0	<4.0		<4.0	4.7	<4.0	<4.0	<4.0	9.5	<4.0	<4.0	<4	<4.0	<4	<4.0	<4	<4	<4	NS
Bromide (mg/L)	<0.2	<0.2	<2.0	<2.0	<2.0	1.3	<0.1	<0.1	<0.1	<0.1	0.13	<0.1	<0.1	<0.1	<0.1	<0.1	0.12	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	2
Chemical Oxygen Demand (mg/L)	71	45	32	20	36	24	32	26	37	5.2	43	23	31	18	62	20	16	69	22	32	25	25	15	14	NS
Chloride (mg/L)	14	3	2.4	3.2	5.9	94	2.9	2.3	5	2.9	6	3.2	3.1	2.9	2.6	2.8	4.1	4	3.2	4.3	4.2	2.9	2.6	2.5	250
Color (Pt-Co)		**110**					**30**					**75**	**150**					**125**					**450**		15
Nitrate-Nitrogen (mg/L)	<0.2	<0.2	<0.2	0.8	0.6	0.16	0.1	<0.1	<0.1	0.22	<0.1	<0.1	<0.1	<0.1	0.19	<0.1	<0.1	0.15	0.12	0.18	<0.1	0.19	0.2	0.19	10
Sulfate (mg/L)	37	40	28	31	51	16	44	60	42	34	53	36	23	18	21	23	21	22	16	14	21	11	9.6	8.3	250
Total Alkalinity (mg/L)	470	170	300	58	260	120	52	47	200	50	190	68	82	80	40	110	97	86	32	100	110	48	38	88	NS
Total Cyanide (mg/L)		<0.01										<0.01	<0.01					<0.01					<0.01		0.2
Total Dissolved Solids (mg/L)	430	130	230	150	360	730	140	150	300	120	240	200	78	110	180	170	160	170	**92**	160	180	80	66	90	500
Total Hardness (mg/L)	320	130	**148**	81	228	120	96	110	200	78	230	110	110	93	110	120	130	120	66	110	130	54	52	**94**	NS
Total Kjeldahl Nitrogen (mg/L)	3.1	1.1	0.9	0.4	<0.3	0.61	0.69	0.8	1.8	0.67	1.6	0.62	0.89	0.39	1.4	0.63	0.66	0.79	0.37	0.59	1.3	0.41	0.2	0.14	NS
Total Organic Carbon (mg/L)	22	15	15.1	17.1	16.8	9.7	9.1	8.5	13	7.2	13	9.6	11	6.5	22	8.1	8.1	10	5.7	10	8.9	4.5	3.6	5.4	NS
Total Phenols (mg/L)	<0.005	<0.005	<0.001	**0.003**	**0.001**	**0.0024**	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	**0.0097**	**0.0033**	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	**0.0039**	<0.002	0.001
Part 360 Routine Metals																									
Boron (mg/L)		<0.1				<0.5	<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			<0.5	<0.5	<0.5	<0.5		0.014		1
Cadmium (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.005
Calcium (mg/L)	97.8	35	43	23.3	69.9	35	27	31	64	23	72	35	35	30	27	41	42	39	20	35	42	17	16	24	NS
Iron (mg/L)	**31.4**	**20.8**	**14.2**	**9.3**	**24.8**	**7.6**	**11**	**8**	**15**	**10**	**15**	**6.1**	**12**	**8.2**	**97**	**11**	**10**	**11**	**13**	**30**	9	**6.3**	**4.7**	**22**	0.3*
Lead (mg/L)	<0.003	0.0056	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.022	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.025
Magnesium (mg/L)	18.6	10.2	9.8	5.5	13	7.9	6.7	7.3	10	5.1	12	6	5.3	4.2	9.5	5	5.3	4.8	**4**	4.9	5.7	2.8	2.9	4.2	35 (GV)
Manganese (mg/L)	**12.2**	**4.16**	**6.5**	**2.6**	**8.5**	**2.8**	**1.4**	**1.8**	**2.6**	**0.37**	**2.5**	**1.4**	**1.6**	**1.4**	**3.6**	**1.4**	**0.92**	**0.65**	**0.48**	**1**	**0.67**	**0.32**	**0.34**	**0.63**	0.3*
Potassium (mg/L)	8.94	4.89	3.4	3.8	6.6	5	4.7	5.1	8.8	24	9.4	5.6	4.4	4.2	5.1	5	4.7	4.6	3.3	4.7	5.1	2.4	2.4	2.7	NS
Sodium (mg/L)	12.1	3.34	11	3.1	5.3	1.9	1.3	<1.0	3.8	13	4.8	1.4	1.6	1	<1.0	1.4	1.5	2.2	<1	2.1	4.4	<1	<1	1.2	20
Part 360 Additional Baseline Metals																									
Aluminum (mg/L)		3.2					2					0.41	0.54					0.73					0.44		NS
Antimony (mg/L)		<0.015					**0.022**					<0.01	<0.01					<0.01					<0.01		0.003
Arsenic (mg/L)		0.0138					<0.01					<0.01	0.013					**0.031**					0.013		0.025
Barium (mg/L)		0.0655					<0.2					<0.2	<0.2					<0.2					<0.2		1
Beryllium (mg/L)		<0.003					<0.01					<0.01	<0.01					<0.01					<0.01		0.003 (GV)
Chromium (mg/L)		0.0109					<0.01					<0.01	<0.01					<0.01					<0.01		0.05
Chromium, Hexavalent (mg/L)		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01		0.05
Cobalt (mg/L)		<0.02					<0.01					<0.01	<0.01					<0.01					<0.01		NS
Copper (mg/L)		0.0295					0.014					<0.01	<0.01					<0.01					<0.01		0.2
Mercury (mg/L)		<0.0002					**0.0027**					<0.0002	<0.0002					<0.0002					<0.0002		0.0007
Nickel (mg/L)		<0.03					<0.01					<0.01	<0.01					<0.01					<0.01		0.1
Selenium (mg/L)		<0.005					<0.01					<0.01	<0.01					<0.01					<0.01		0.01
Silver (mg/L)		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01		0.05
Thallium (mg/L)		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01		0.0005 (GV)
Vanadium (mg/L)		<0.3					<0.01					<0.01	<0.01					<0.01					<0.01		NS
Zinc (mg/L)		0.0827					0.058					0.013	0.032					0.041					0.017		2
Part 360 Volatile Organics																									
1,1,1,2-Tetrachloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
1,1,1-Trichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
1,1,2,2-Tetrachloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
1,1,2-Trichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		1
1,1-Dichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
1,1-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
1,2,3-Trichloropropane (µg/L)							<5.0					<5.0	<5.0					<5					<1		0.04
1,2-Dibromo-3-chloropropane (µg/L)		<10.0					<5.0					<5.0	<5.0					<5					<1		0.04
1,2-Dibromoethane (EDB) (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
1,2-Dichlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		3
1,2-Dichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		0.6
1,2-Dichloropropane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		1
1,3-Dichlorobenzene (µg/L)		<5.0																							3
1,4-Dichloro-2-butene (µg/L)		<10.0																							5
1,4-Dichlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		3
2-Butanone (MEK) (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		50 (GV)

City of Rome
Tannery Road Landfill
MW-5S
Ground Water Analytical Data

Parameter	3/1/99	6/1/99	9/1/99	12/1/99	3/1/00	6/1/00	9/1/00	12/1/00	3/1/01	6/1/01	9/1/01	12/1/01	3/28/02	6/17/02	9/24/02	12/18/02	3/12/03	6/25/03	9/17/03	12/16/03	3/23/04	6/22/04	9/28/04	12/16/04	NYSDEC Ground Water Standard
2-Hexanone (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		50 (GV)
4-Methyl 2-pentanone (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		NS
Acetone (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		50 (GV)
Acrylonitrile (µg/L)		<100.0					<20.0					<20.0	<20.0					<20					<5		5
Benzene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		1
Bromochloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
Bromodichloromethane (µg/L)		<5.0										<5.0	<5.0				<5	<5					<1		50 (GV)
Bromoform (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		50 (GV)
Bromomethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Carbon disulfide (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		60 (GV)
Carbon tetrachloride (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Chlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Chloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Chloroform (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		7
Chloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
cis-1,2-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
cis-1,3-Dichloropropene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		0.4**
Dibromochloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		50 (GV)
Dibromomethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
Ethyl benzene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Iodomethane (µg/L)		<5.0					<20.0					<20.0	<10.0					<10					<10		5
Methylene Chloride (µg/L)		<5.0					<10.0					<10.0	<10.0				<10	<10					<10		5
Styrene (µg/L)							<5.0					<5.0	<5.0				<5	<5					<1		5
Tetrachloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Toluene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
trans-1,2-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
trans-1,3-Dichloropropene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		0.4**
trans-1,4-Dichloro-2-butene (µg/L)							<50.0					<50.0	<10.0					<10					<10		5
Trichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Trichlorofluoromethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
Vinyl Acetate (µg/L)		<50.0					<20.0					<20.0	<20.0					<20					<5		NS
Vinyl Chloride (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		2
Xylenes (Total) (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
1,2-Dichloroethene - Total																	<5								

Notes

1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * *indicates that the sum of these two analytes may not exceed 500 µg/L.*
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers

City of Rome
Tannery Road Landfill
MW-7D
Ground Water Analtyical Data

Parameter	3/1/99	6/1/99	9/1/99	12/1/99	3/1/00	6/1/00	9/1/00	12/1/00	3/1/01	6/1/01	9/1/01	12/1/01	3/28/02	6/17/02	9/24/02	12/18/02	3/12/03	6/25/03	9/17/03	12/16/03	3/23/04	6/22/04	9/28/04	12/16/04	NYSDEC Ground Water Standard
Field Parameters																									
Conductivity (µmhos/cm)	1,330	1,120	1,620	1,300	1,320	1,710	1,220	1,270	1,350	1,200	1,090	1,290	1,440	1,430	503	1,110	1,150	775	1,080	370	1,030	807	817	1150	NS
pH (s.u.)	6.64	6.53	**6.4**	7.92	6.5	6.88	**6.41**	**6.46**	**6.2**	**5.96**	**6.39**	**6.31**	**5.96**	**6.25**	**5.4**		**6.3**	**6.42**	**6.48**	6.9	**6.23**	**5.7**	**6**	**6.4**	6.5 - 8.5
Temperature (deg C)	8.1	14.5	13.2	8.1	8.4	13.3	11.5	9	8.9	12.7	11.2	10.1	9	11.6	11.6	9.5	5.5	12.1	11.7	9	9.5	12.3	12.6	9	NS
Turbidity (NTU)	**160**	**42**	**94**	**247**	**128**	**83**	**98**	**62**	**97**	**112**	**152**	**53**	**29**		**345**	**61**	**69**	**999**	**128**	**30**	59	**150**	**165**	**200**	5
Part 360 Leachate Indicator Parameters																									
Ammonia-Nitrogen (mg/L)	**47**	**25**	**47**	**36**	**33**	**58**	**41**	**37**	**46**	**40**	**47**	**39**	**43**	**46**	**22**	**34**	**39**	**40**	**38**	**8.4**	**30**	**29**	**25**	**8.5**	2
Biochemical Oxygen Demand (BOD5) (mg/L)	19	17	17	11	11	4.4	10	<20.0		13	14	<20.0	<20.0	<10.0	9.3	<20.0	<10.0	12	7.1	<10	<10.0	<10	7.2	<4	NS
Bromide (mg/L)	<0.2	<0.2	<2.0	<2.0	<2.0	<0.1	1.1	1	0.93	0.74	0.75	0.64	0.8	1	0.21	0.11	0.85	0.89	0.88	<0.1	0.83	0.68	0.5	<0.1	2
Chemical Oxygen Demand (mg/L)	570	140	**14**	110	120	150	140	120	140	120	120	120	130	130	150	100	120	150	120	76	110	550	130	59	NS
Chloride (mg/L)	81	70	88	84	68	3.3	65	59	74	62	46	56	76	72	21	7	55	57	54	8.8	56	44	27	5.5	250
Color (Pt-Co)		**280**					**750**					**850**	**750**					**600**					**675**		15
Nitrate-Nitrogen (mg/L)	<0.2	<0.2	<0.2	1.5	4.9	0.16	<0.1	<0.1	0.13	<0.1	<0.1	<0.1	0.16	<0.1	0.23	<0.1	<0.1	<0.1	<0.1	0.72	0.23	<0.1	<0.1	0.49	10
Sulfate (mg/L)	<5.0	35	12	28	34	9.3	41	44	35	47	45	52	58	61	47	8.6	54	57	49	28	39	37	23	14	250
Total Alkalinity (mg/L)	670	370	710	470	450	680	460	440	430	470	430	390	460	470	160	360	390	410	340	120	320	330	290	150	NS
Total Cyanide (mg/L)		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01		0.2
Total Dissolved Solids (mg/L)	**540**	**540**	**710**	**660**	**610**	**400**	**590**	**600**	**670**	**570**	480	**650**	**720**	**650**	420	**520**	**580**	**640**	**580**	240	**510**	440	420	240	500
Total Hardness (mg/L)	300	260	350	310	244	390	320	270	280	270	260	250	270	280	140	240	270	270	310	97	230	220	200	90	NS
Total Kjeldahl Nitrogen (mg/L)	**44**	36	36	24	26	680	50	51	52	43	50	39	50	44	26	36	41	41	25	6.4	35	24	18	8.5	NS
Total Organic Carbon (mg/L)	55	48	45.9	38.5	38.1	60	48	55	49	44	43	**47**	50	46	50	41	42	27	43	28	39	39	34	23	NS
Total Phenols (mg/L)	**0.01**	<0.005	**0.01**	**0.014**	**0.006**	**0.0055**	**0.004**	**0.004**	**0.0026**	**0.0034**	**0.0039**	**0.0042**	**0.0027**	**0.012**	**0.0044**	**0.003**	**0.0032**	**0.003**	**0.0024**	NA	**0.004**	<0.002	**0.0021**	<0.002	0.001
Part 360 Routine Metals																									
Boron (mg/L)		0.7				**1.7**	**1.2**			<0.5	0.83	<0.5	0.99	0.83	<0.5			**1.1**	1.2	<0.5	0.95		0.8		1
Cadmium (mg/L)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.005
Calcium (mg/L)	62.9	61.1	74.9	64.2	**56.4**	**87**	**77**	66	70	66	64	65	71	71	35	63	69	80	76	24	57	54	49	21	NS
Iron (mg/L)	**41.1**	**39.2**	**40.8**	**37.7**	**33.2**	**53**	**45**	**38**	**41**	**42**	**39**	**40**	**40**	**40**	**35**	**34**	**41**	**47**	**45**	**27**	**34**	**31**	**29**	**11**	0.3*
Lead (mg/L)	0.0071	0.0041	0.006	0.014	0.006	<0.01	<0.01	<0.01	<0.01	0.013	0.014	<0.01	<0.01	<0.01	**0.035**	0.014	<0.01	<0.01	0.018	<0.01	0.012	0.015	<0.01	0.012	0.025
Magnesium (mg/L)	33.6	25.9	**39.5**	**36.5**	25.1	**41**	32	25	25	25	25	22	24	25	14	20	25	29	28	9.1	22	20	18	9	35 (GV)
Manganese (mg/L)	**0.837**	**0.84**	**0.82**	**0.89**	**0.87**	**0.96**	**0.85**	**0.73**	**0.8**	**0.76**	**0.76**	**0.7**	**0.73**	**0.71**	**0.67**	**0.65**	**0.72**	**0.82**	**0.85**	**0.83**	**0.68**	**0.68**	**0.64**	**0.38**	0.3*
Potassium (mg/L)	54.8	40.9	48	50.5	38.4	60	46	66	43	39	41	37	40	43	23	40	39	47	39	20	37	42	40	14	NS
Sodium (mg/L)	**46.1**	**39.6**	**60**	**55.5**	**50.5**	**83**	**64**	**48**	**54**	**56**	**59**	**50**	**53**	57	15	**37**	**52**	**58**	**47**	9.9	**44**	**36**	**31**	7.7	20
Part 360 Additional Baseline Metals																									
Aluminum (mg/L)		0.439					1					1.2	0.83					2.3					1.1		NS
Antimony (mg/L)		<0.015					**0.034**					<0.01	<0.01					<0.01					<0.01		0.003
Arsenic (mg/L)		<0.01					0.011					<0.01	<0.01					**0.026**					0.011		0.025
Barium (mg/L)		0.217					<0.2					0.43	0.49					0.61					0.23		1
Beryllium (mg/L)		<0.003					<0.01					<0.01	<0.01					<0.01					<0.01		0.003 (GV)
Chromium (mg/L)		<0.005					<0.01					<0.01	<0.01					<0.01					<0.01		0.05
Chromium, Hexavalent (mg/L)		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01		0.05
Cobalt (mg/L)		<0.02					<0.01					<0.01	<0.01					<0.01					<0.01		NS
Copper (mg/L)		<0.01					<0.01					0.022	<0.01					<0.01					<0.01		0.2
Mercury (mg/L)		<0.0002					<0.0002					<0.0002	<0.0002					<0.0002					<0.0002		0.0007
Nickel (mg/L)		<0.03					<0.01					<0.01	<0.01					<0.01					0.046		0.1
Selenium (mg/L)		<0.005					<0.01					<0.01	<0.01					<0.01					<0.01		0.01
Silver (mg/L)		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01		0.05
Thallium (mg/L)		**0.0105**					<0.01					<0.01	<0.01					<0.01					<0.01		0.0005 (GV)
Vanadium (mg/L)		<0.3					0.013					0.013	0.01					0.018					0.016		NS
Zinc (mg/L)		0.056					0.067					0.036	0.034					0.097					0.041		2
Part 360 Volatile Organics																									
1,1,1,2-Tetrachloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
1,1,1-Trichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
1,1,2,2-Tetrachloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
1,1,2-Trichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		1
1,1-Dichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
1,1-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
1,2,3-Trichloropropane (µg/L)							<5.0					<5.0	<5.0					<5					<1		0.04
1,2-Dibromo-3-chloropropane (µg/L)		<10.0					<5.0					<5.0	<5.0					<5					<1		0.04
1,2-Dibromoethane (EDB) (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
1,2-Dichlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		3
1,2-Dichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		0.6
1,2-Dichloropropane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		1
1,3-Dichlorobenzene (µg/L)		<5.0																							3
1,4-Dichloro-2-butene (µg/L)		<10.0																							5
1,4-Dichlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		3

City of Rome
Tannery Road Landfill
MW-7D
Ground Water Analtyical Data

Parameter	3/1/99	6/1/99	9/1/99	12/1/99	3/1/00	6/1/00	9/1/00	12/1/00	3/1/01	6/1/01	9/1/01	12/1/01	3/28/02	6/17/02	9/24/02	12/18/02	3/12/03	6/25/03	9/17/03	12/16/03	3/23/04	6/22/04	9/28/04	12/16/04	NYSDEC Ground Water Standard
2-Butanone (MEK) (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		50 (GV)
2-Hexanone (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		50 (GV)
4-Methyl 2-pentanone (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		NS
Acetone (µg/L)		<10.0					<10.0					<10.0	<10.0				10	<10					<10		50 (GV)
Acrylonitrile (µg/L)		<100.0					<20.0					<20.0	<20.0					<20					<5		5
Benzene (µg/L)		<5.0					**14**					**17**	**24**				**15**	**16**					**4.3**		1
Bromochloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
Bromodichloromethane (µg/L)		<5.0										<5.0	<5.0				<5	<5					<1		50 (GV)
Bromoform (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		50 (GV)
Bromomethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Carbon disulfide (µg/L)		<18.0					<5.0					<5.0	<5.0				<5	<5					<1		60 (GV)
Carbon tetrachloride (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Chlorobenzene (µg/L)		**23**					**8.4**					**5.8**	**5.3**				<5	<5					4.4		5
Chloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Chloroform (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		7
Chloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
cis-1,2-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
cis-1,3-Dichloropropene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		0.4**
Dibromochloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		50 (GV)
Dibromomethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
Ethyl benzene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Iodomethane (µg/L)		<5.0					<20.0					<20.0	<10.0					<10					<10		5
Methylene Chloride (µg/L)		<5.0					<10.0					<10.0	<10.0				<10	<10					<10		5
Styrene (µg/L)							<5.0					<5.0	<5.0				<5	<5					<1		5
Tetrachloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Toluene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
trans-1,2-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
trans-1,3-Dichloropropene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		0.4**
trans-1,4-Dichloro-2-butene (µg/L)							<50.0					<50.0	<10.0					<10					<10		5
Trichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Trichlorofluoromethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
Vinyl Acetate (µg/L)		<50.0					<20.0					<20.0	<20.0					<20					<5		NS
Vinyl Chloride (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		2
Xylenes (Total) (µg/L)		2					**16**					**130**	**180**				**160**	**97**					<1		5
1,2-Dichloroethene - Total																	<5								

Notes

1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers

City of Rome
Tannery Road Landfill
MW-9S
Ground Water Analytical Data

Parameter	3/1/99	6/1/99	9/1/99	12/1/99	3/1/00	6/1/00	9/1/00	12/1/00	3/1/01	6/1/01	9/1/01	12/1/01	3/28/02	6/17/02	9/24/02	12/18/02	3/12/03	6/25/03	9/17/03	12/16/03	3/23/04	6/22/04	9/28/04	12/16/04	NYSDEC Ground Water Standard
Field Parameters																									
Conductivity (µmhos/cm)	485	398	369	411	413	414	411	411	419	365	390	408	435	415	377	410	423	385	392	480	413	365	394	410	NS
pH (s.u.)	7.67	7.32	7.23	7.31	7.11	6.89	6.96	7.28	7.2	6.94	6.65	7.39	7.15	7.39	8.9		7.3	7.17	7.5	7.5	6.98	6.78	6.95	7.3	6.5 - 8.5
Temperature (deg C)	5.8	14.6	12.9	7.4	6.4	9.8	11	8.2	6.1	11.9	11.4	8.2	7.4	9.3	12.7	8	6.3	11.3	12.8	6	5.2	11	13.2	7	NS
Turbidity (NTU)	**999**	**324**	**659**	**999**	**999**	**999**	**999**	**999**	**999**	**704**	**241**	**466**	**460**	**501**	**999**	**506**	**218**	**999**	**614**	**50**	**492**	**999**	**331**	**290**	5
Part 360 Leachate Indicator Parameters																									
Ammonia-Nitrogen (mg/L)	<0.5	<0.5	<0.3	<0.3	<0.3	0.14	0.3	0.15	0.28	0.3	0.39	0.21	0.17	0.33	0.32	0.56	0.16	1.8	0.93	<0.03	0.56	0.64	0.48	<0.03	2
Biochemical Oxygen Demand (BOD5) (mg/L)	<4.0	5	3.9	5	4.7	5.6	2.1	<4.0		<4.0	4.2	<4.0	<4.0	<4.0	18	4.5	<4.0	4.4	<4.0	<4	<4.0	12	4.7	4.8	NS
Bromide (mg/L)	<0.2	<0.2	<2.0	<2.0	<2.0	0.15	<0.1	<0.1	<0.1	0.17	0.12	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	2
Chemical Oxygen Demand (mg/L)	160	120	26	76	64	74	160	120	96	120	72	75	290	75	87	64	57	120	67	75	120	120	79	86	NS
Chloride (mg/L)	8	3	4.1	<2.0	2.6	3.3	3.3	3.3	3.4	3.2	3.6	3.3	3.2	3.4	3.3	3.2	3.2	3.2	3.4	3.4	3.5	3.6	3	3.1	250
Color (Pt-Co)		**530**					**400**					**600**	**850**					**750**					**700**		15
Nitrate-Nitrogen (mg/L)	<0.2	<0.2	<0.2	0.5	0.3	<0.1	<0.1	<0.1	<0.1	0.18	<0.1	0.17	0.16	<0.1	0.14	<0.1	<0.1	<0.1	<0.1	0.18	<0.1	0.16	<0.1	0.15	10
Sulfate (mg/L)	5	8	12	8	12	8.5	2.3	4.7	4.2	2.9	3.1	8.6	15	8.4	3.2	6.2	19	15	3.2	8	5.9	3.5	1.9	3	250
Total Alkalinity (mg/L)	230	260	1400	260	270	240	270	280	230	260	240	210	240	250	230	250	240	250	220	240	220	240	210	18	NS
Total Cyanide (mg/L)		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01		0.2
Total Dissolved Solids (mg/L)	420	260	360	340	340	390	420	400	360	380	240	430	360	340	330	380	390	360	340	320	360	250	370	290	500
Total Hardness (mg/L)	1100	530	477.2904	489.5396	466	610	720	700	1200	300	420	390	460	360	650	730	380	400	410	150	730	400	280	110	NS
Total Kjeldahl Nitrogen (mg/L)	2.8	1.9	0.5	<0.3	<0.3	0.97	1.4	1.7	1	1.3	1	0.7	0.45	1.2	1.7	0.52	0.74	1.5	0.57	0.63	1.1	1	0.78	0.64	NS
Total Organic Carbon (mg/L)	30	29	28.6	38.5	32.6	32	31	36	35	30	29	32	29	31	32	26	24	32	25	28	25	30	24	28	NS
Total Phenols (mg/L)	<0.005	<0.005	<0.001	**0.005**	<0.001	**0.0022**	**0.019**	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	**0.0087**	**0.0035**	<0.002	<0.002	**0.0022**	**0.0026**	**0.0031**	<0.002	<0.002	<0.002	<0.002	0.001
Part 360 Routine Metals																									
Boron (mg/L)		<0.1				<0.5	<0.5			<0.5	<0.5	<0.5	<0.5	<0.5	<0.5			<0.5	<0.5	<0.5	<0.5		0.027		1
Cadmium (mg/L)	**0.0088**	**0.0053**	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.005
Calcium (mg/L)	307	142	142	138	138	160	190	180	300	88	120	110	130	100	170	200	100	110	120	50	180	120	84	38	NS
Iron (mg/L)	**85.3**	**47.8**	**28.2**	**26.8**	**14.3**	**37**	**56**	**56**	**110**	**21**	**30**	**24**	**29**	**26**	**48**	**52**	**25**	**36**	**29**	**2.6**	**67**	**13**	**6.1**	**0.75**	0.3*
Lead (mg/L)	**0.0381**	0.021	0.011	0.017	0.008	<0.01	<0.01	**0.043**	**0.042**	0.012	0.012	0.011	0.017	0.014	**0.034**	**0.041**	<0.01	<0.01	0.023	<0.01	**0.043**	0.017	<0.01	<0.01	0.025
Magnesium (mg/L)	**83.9**	**43.5**	29.8	**35.2**	29.4	**48**	**58**	**60**	**100**	19	29	28	34	26	**53**	**60**	27	30	27	5.2	**66**	26	16	3.3	35 (GV)
Manganese (mg/L)	**4.21**	**2.13**	**1.7**	**1.9**	**1.6**	**2.4**	**2.8**	**2.7**	**5**	**1.1**	**1.5**	**1.5**	**1.8**	**1.4**	**2.6**	**3**	**1.4**	**1.6**	**1.5**	**0.36**	**3**	**1.4**	**0.96**	0.25	0.3*
Potassium (mg/L)	12.1	6.96	2.3	4.6	2.4	4.6	6.4	7.3	14	4.2	7.2	4.6	4.6	6.6	6.3	5.4	4.5	5.8	4.9	2.7	7.8	3.5	2.2	2.2	NS
Sodium (mg/L)	**49.3**	**39.3**	**30**	**41.7**	**46**	**46**	**49**	**53**	**55**	**48**	**33**	**43**	**55**	**57**	**38**	**40**	**53**	**54**	**37**	**55**	**62**	**53**	**33**	**47**	20
Part 360 Additional Baseline Metals																									
Aluminum (mg/L)		23.9					<0.01					12	12					18					1.4		NS
Antimony (mg/L)		<0.015					**0.048**					<0.01	<0.01					<0.01					<0.01		0.003
Arsenic (mg/L)		<0.01					<0.01					0.016	0.019					**0.035**					<0.01		0.025
Barium (mg/L)		0.201					0.23					<0.2	<0.2					0.2					<0.2		1
Beryllium (mg/L)		<0.003					<0.01					<0.01	<0.01					<0.01					<0.01		0.003 (GV)
Chromium (mg/L)		**0.0592**					<0.01					0.02	0.022					0.033					<0.01		0.05
Chromium, Hexavalent (mg/L)		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01		0.05
Cobalt (mg/L)		<0.02					0.024					<0.01	<0.01					0.014					<0.01		NS
Copper (mg/L)		0.0845					0.092					0.036	0.027					0.085					<0.01		0.2
Mercury (mg/L)		<0.0002					<0.0002					<0.0002	<0.0002					<0.0002					<0.0002		0.0007
Nickel (mg/L)		0.0726					0.071					0.027	0.034					0.042					0.014		0.1
Selenium (mg/L)		<0.005					<0.01					<0.01	<0.01					<0.01					<0.01		0.01
Silver (mg/L)		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01		0.05
Thallium (mg/L)		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01		0.0005 (GV)
Vanadium (mg/L)		0.047					0.048					0.023	0.024					0.037					<0.01		NS
Zinc (mg/L)		0.184					0.2					0.063	0.081					0.13					0.022		2
Part 360 Volatile Organics																									
1,1,1,2-Tetrachloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
1,1,1-Trichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
1,1,2,2-Tetrachloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
1,1,2-Trichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		1
1,1-Dichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
1,1-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
1,2,3-Trichloropropane (µg/L)							<5.0					<5.0	<5.0					<5					<1		0.04
1,2-Dibromo-3-chloropropane (µg/L)		<10.0					<5.0					<5.0	<5.0					<5					<1		0.04
1,2-Dibromoethane (EDB) (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
1,2-Dichlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		3
1,2-Dichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		0.6
1,2-Dichloropropane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		1
1,3-Dichlorobenzene (µg/L)		<5.0																							3
1,4-Dichloro-2-butene (µg/L)		<10.0																							5
1,4-Dichlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		3

City of Rome
Tannery Road Landfill
MW-9S
Ground Water Analytical Data

Parameter	3/1/99	6/1/99	9/1/99	12/1/99	3/1/00	6/1/00	9/1/00	12/1/00	3/1/01	6/1/01	9/1/01	12/1/01	3/28/02	6/17/02	9/24/02	12/18/02	3/12/03	6/25/03	9/17/03	12/16/03	3/23/04	6/22/04	9/28/04	12/16/04	NYSDEC Ground Water Standard
2-Butanone (MEK) (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		50 (GV)
2-Hexanone (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		50 (GV)
4-Methyl 2-pentanone (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		NS
Acetone (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		50 (GV)
Acrylonitrile (µg/L)		<100.0					<20.0					<20.0	<20.0					<20					<5		5
Benzene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		1
Bromochloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
Bromodichloromethane (µg/L)		<5.0										<5.0	<5.0				<5	<5					<1		50 (GV)
Bromoform (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		50 (GV)
Bromomethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Carbon disulfide (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		60 (GV)
Carbon tetrachloride (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Chlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Chloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Chloroform (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		7
Chloromethane (µg/L)		<5.0					<5.0					<5.0	<5:0				<5	<5					<1		5
cis-1,2-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
cis-1,3-Dichloropropene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		0.4**
Dibromochloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		50 (GV)
Dibromomethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
Ethyl benzene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Iodomethane (µg/L)		<5.0					<20.0					<20.0	<10.0					<10					<10		5
Methylene Chloride (µg/L)		<5.0					<10.0					<10.0	<10.0				<10	<10					<10		5
Styrene (µg/L)							<5.0					<5.0	<5.0				<5	<5					<1		5
Tetrachloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Toluene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
trans-1,2-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
trans-1,3-Dichloropropene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		0.4**
trans-1,4-Dichloro-2-butene (µg/L)							<50.0					<50.0	<10.0					<10					<10		5
Trichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Trichlorofluoromethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
Vinyl Acetate (µg/L)		<50.0					<20.0					<20.0	<20.0					<20					<5		NS
Vinyl Chloride (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		2
Xylenes (Total) (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
1,2-Dichloroethene - Total																	<5								

Notes

1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers

City of Rome
Tannery Road Landfill
Leachate Well LMW-10
Analytical Data

Parameter	3/28/02	6/17/02	9/24/02	12/18/02	3/12/03	6/25/03	9/17/03	12/16/03	3/23/04	6/22/04	9/28/04	12/16/04	NYSDEC Ground Water Standard
Field Parameters													
Conductivity (µmhos/cm)	4,940	4,970	5,440	3,780	4,050	4,810	5,600	4,300	4,810	5,990	3,480	4,743	NS
pH (s.u.)	**6.48**	6.63	7		6.6	6.5	6.78	**6.4**	6.59	**6.14**	**6.22**	6.5	6.5 - 8.5
Temperature (deg C)	12.8	15.2	17.2	10.4	7.6	19.7	15.8	9	12.8	16	16.8	10	NS
Turbidity (NTU)	**356**	**183**	**585**	**164**	**207**	**383**	**47**	**430**	**189**	**10**	**73**	**189**	5
Part 360 Leachate Indicator Parameters													
Ammonia-Nitrogen (mg/L)	**200**	**260**	**270**	**200**	**280**	**280**	**270**	**230**	**380**	**350**	**160**	**260**	2
Biochemical Oxygen Demand (BOD5) (mg/L)	38	24	46	34	30	20	36	43	28	32	31	41	NS
Bromide (mg/L)	**2.6**	**3**	**3.9**	1.9	**2.1**	**3.2**	**3.8**	**2.3**	3.7	**4.2**	**2.5**	**3.3**	2
Chemical Oxygen Demand (mg/L)	420	250	3,200	270	340	490	640	270	300	470	290	490	NS
Chloride (mg/L)	**440**	**430**	**610**	**380**	200	**450**	**550**	**260**	**450**	**600**	**280**	**410**	250
Color (Pt-Co)	**1,400**					**600**					**950**		15
Nitrate-Nitrogen (mg/L)	<0.1	0.16	0.17	<0.1	<0.1	0.15	0.76	0.54	<0.1	<0.1	0.2	0.28	10
Sulfate (mg/L)	2.9	2.2	3.6	2.2	2.3	2.5	<1	2.3	3.6	1.4	2.1	2	250
Total Alkalinity (mg/L)	1,700	1,900	2,200	1,500	1,600	1,800	2,000	1,500	2,000	2,100	1,900	1,900	NS
Total Cyanide (mg/L)	<0.01					<0.01					<0.01		0.2
Total Dissolved Solids (mg/L)	**1,900**	**2,100**	**2,500**	**1,500**	**1,400**	**2,200**	**2,500**	**1,200**	**2,200**	**2,400**	**1,700**	**1,900**	500
Total Hardness (mg/L)	580	580	690	480	550	750	790	430	700	590	480	520	NS
Total Kjeldahl Nitrogen (mg/L)	290	220	320	220	280	300	330	350	330	380	260	220	NS
Total Organic Carbon (mg/L)	160	150	230	99	120	120	230	110	180	240	75	160	NS
Total Phenols (mg/L)	**0.016**	**0.02**	**0.015**	**0.026**	<0.002	**0.015**	**0.013**	**0.017**	**0.017**	**0.021**	**0.02**	**0.016**	0.001
Part 360 Routine Metals													
Boron (mg/L)	**2.5**	**2.7**	**3.7**			**3.4**	**4.4**	**1.6**	**3.8**		**1.7**		1
Cadmium (mg/L)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.005
Calcium (mg/L)	120	120	140	100	110	150	150	91	120	110	110	97	NS
Iron (mg/L)	**62**	**60**	**70**	48	**58**	**61**	**68**	**52**	38	**47**	**49**	**35**	0.3*
Lead (mg/L)	**0.049**	**0.031**	**0.04**	0.022	**0.041**	<0.01	0.014	0.022	**0.028**	<0.01	<0.01	<0.01	0.025
Magnesium (mg/L)	**68**	**67**	**83**	**53**	**65**	**94**	**100**	**50**	**96**	**75**	**53**	**67**	35 (GV)
Manganese (mg/L)	**1.3**	**1.5**	**2.4**	**1.6**	**1.5**	**1.7**	**2.7**	**1.3**	**0.74**	**1.5**	**1.6**	**0.85**	0.3*
Potassium (mg/L)	190	200	340	180	230	230	410	220	350	330	320	380	NS
Sodium (mg/L)	**430**	**460**	**600**	**250**	**270**	**420**	**630**	**250**	**500**		**230**	**470**	20
Part 360 Additional Baseline Metals													
Aluminum (mg/L)	2.4					0.9					0.28		NS
Antimony (mg/L)	<0.01					<0.01					**0.012**		0.003
Arsenic (mg/L)	0.02					**0.038**					0.022		0.025
Barium (mg/L)	<0.2					0.32					0.25		1
Beryllium (mg/L)	<0.01					<0.01					<0.01		0.003 (GV)
Chromium (mg/L)	0.031					0.019					<0.01		0.05
Chromium, Hexavalent (mg/L)	<0.01					<0.01					<0.01		0.05
Cobalt (mg/L)	0.012					0.017					<0.01		NS
Copper (mg/L)	0.052					0.013					<0.01		0.2
Mercury (mg/L)	0.0002					<0.0002					<0.0002		0.0007
Nickel (mg/L)	0.062					0.049					0.024		0.1
Selenium (mg/L)	<0.01					<0.01					<0.01		0.01
Silver (mg/L)	<0.01					<0.01					<0.01		0.05
Thallium (mg/L)	<0.01					<0.01					<0.01		0.0005 (GV)
Vanadium (mg/L)	<0.01					0.012					0.013		NS
Zinc (mg/L)	0.16					0.11					0.099		2
Part 360 Volatile Organics													
1,1,1,2-Tetrachloroethane (µg/L)	<5.0					<5					<1		5
1,1,1-Trichloroethane (µg/L)	<5.0				<5	<5					<1		5
1,1,2,2-Tetrachloroethane (µg/L)	<5.0				<5	<5					<1		5
1,1,2-Trichloroethane (µg/L)	<5.0				<5	<5					<1		1
1,1-Dichloroethane (µg/L)	<5.0				<5	<5					<1		5
1,1-Dichloroethene (µg/L)	<5.0				<5	<5					<1		5
1,2,3-Trichloropropane (µg/L)	<5.0					<5					<1		0.04
1,2-Dibromo-3-chloropropane (µg/L)	<5.0					<5					<1		0.04

City of Rome
Tannery Road Landfill
Leachate Well LMW-10
Analytical Data

Parameter	3/28/02	6/17/02	9/24/02	12/18/02	3/12/03	6/25/03	9/17/03	12/16/03	3/23/04	6/22/04	9/28/04	12/16/04	NYSDEC Ground Water Standard
1,2-Dibromoethane (EDB) (µg/L)	<5.0					<5					<1		5
1,2-Dichlorobenzene (µg/L)	<5.0					<5					<1		3
1,2-Dichloroethane (µg/L)	<5.0				<5	<5					<1		0.6
1,2-Dichloropropane (µg/L)	<5.0				<5	<5					<1		1
1,4-Dichlorobenzene (µg/L)	<5.0					<5					**3.7**		3
2-Butanone (MEK) (µg/L)	<10.0				<10	<10					<10		50 (GV)
2-Hexanone (µg/L)	<10.0				<10	<10					<10		50 (GV)
4-Methyl 2-pentanone (µg/L)	<10.0					<10					<10		NS
Acetone (µg/L)	18				28	13					<10		50 (GV)
Acrylonitrile (µg/L)	<20.0					<20					<5		5
Benzene (µg/L)	**5.5**				**5.7**	<5					**5**		1
Bromochloromethane (µg/L)	<5.0					<5					<1		5
Bromodichloromethane (µg/L)	<5.0				<5	<5					<1		50 (GV)
Bromoform (µg/L)	<5.0				<5	<5					<1		50 (GV)
Bromomethane (µg/L)	<5.0				<5	<5					<1		5
Carbon disulfide (µg/L)	<5.0				<5	<5					<1		60 (GV)
Carbon tetrachloride (µg/L)	<5.0				<5	<5					<1		5
Chlorobenzene (µg/L)	<5.0				<5	<5					4.1		5
Chloroethane (µg/L)	**33**				**33**	**22**					**22**		5
Chloroform (µg/L)	<5.0				<5	<5					<1		7
Chloromethane (µg/L)	<5.0				<5	<5					<1		5
cis-1,2-Dichloroethene (µg/L)	<5.0					<5					<1		5
cis-1,3-Dichloropropene (µg/L)	<5.0				<5	<5					<1		0.4**
Dibromochloromethane (µg/L)	<5.0				<5	<5					<1		50 (GV)
Dibromomethane (µg/L)	<5.0					<5					<1		5
Ethyl benzene (µg/L)	**29**				<5	<5					<1		5
Iodomethane (µg/L)	<10.0					<10					<10		5
Methylene Chloride (µg/L)	<10.0				<10	<10					<10		5
Styrene (µg/L)	<5.0				<5	<5					<1		5
Tetrachloroethene (µg/L)	<5.0				<5	<5					<1		5
Toluene (µg/L)	<5.0				<5	<5					<1		5
trans-1,2-Dichloroethene (µg/L)	<5.0					<5					<1		5
trans-1,3-Dichloropropene (µg/L)	<5.0				<5	<5					<1		0.4**
trans-1,4-Dichloro-2-butene (µg/L)	<10.0					<10					<10		5
Trichloroethene (µg/L)	<5.0				<5	<5					<1		5
Trichlorofluoromethane (µg/L)	<5.0					<5					<1		5
Vinyl Acetate (µg/L)	<20.0					<20					<5		NS
Vinyl Chloride (µg/L)	<5.0				<5	<5					<1		2
Xylenes (Total) (µg/L)	**75**				**96**	**28**					**63**		5
1,2-Dichloroethene - Total					<5								

Notes

1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** Indicates standard applies to the sum of the isomers

City of Rome
Tannery Road Landfill
Leachate Well LMW-12
Analytical Data

Parameter	3/1/99	6/1/99	9/1/99	12/1/99	3/1/00	6/1/00	9/1/00	12/1/00	3/1/01	6/1/01	9/1/01	12/1/01	3/28/02	6/17/02	9/24/02	12/18/02	3/12/2003	6/25/2003	9/17/2003	12/16/03	3/23/2004	6/22/2004	9/28/2004	12/16/2004	NYSDEC Ground Water Standard
Field Parameters																									
Conductivity (µmhos/cm)	3,400	3,430	3,850	3,900	4,470	4,770	4,560	4,940	4,080	3,820	4,100	5,090	4,750	4,490	5,700	4,430	4,820	4,500	4,550	4,600	4970	4,480	4,620	4,450	NS
pH (s.u.)	6.12	6.74	6.69	6.7	6.64	7.01	6.54	6.5	6.56	6.54	6.75	6.65	6.42	6.66	7.1		6.7	6.64	6.79	7.1	6.57	6.68	6.4	6.7	6.5 - 8.5
Temperature (deg C)	12.2	17.8	15.3	12	10.9	16	14.8	9.4	11.7	18.4	14.1	11.9	12.2	14.5	17	10.3	7.5	18.2	15.4	10	11.3	15.5	15.5	10	NS
Turbidity (NTU)	228	368	678	650	351	153	268	180	150	432	315	125	53	25	350	243	111	253	4	150	83	15	5	180	5
Part 360 Leachate Indicator Parameters																									
Ammonia-Nitrogen (mg/L)	150	120	170	160	210	260	250	250	200	190	240	270	200	210	220	200	240	280	270	230	300	270	220	290	2
Biochemical Oxygen Demand (BOD5) (mg/L)	17	34	16	16	34	37	30	29		5.5	40	25	<20.0	18	46	37	28	22	25	<20	29	31	35	41	NS
Bromide (mg/L)	2.1	<0.2	<2.0	5.1	4.47	4.8	5.4	5.7	4.2	3.9	3.9	4.3	4.4	4.5	4.8	4.8	5.2	4.4	5.2	4.8	5	5.1	4.8	4.8	2
Chemical Oxygen Demand (mg/L)	170	370	<10.0	270	380	400	440	440	360	170	31	240	97	280	410	400	360	420	430	380	720	130	420	480	NS
Chloride (mg/L)	280	330	320	330	370	500	410	510	320	330	460	330	350	340	470	460	320	370	350	290	370	500	270	350	250
Color (Pt-Co)		580					300					750	1500					750					1,400		15
Nitrate-Nitrogen (mg/L)	<0.2	<0.2	<0.2	<0.2	<0.2	0.21	<0.1	0.15	0.17	0.26	0.16	<0.1	0.38	0.19	0.2	0.25	0.28	0.19	0.19	0.41	0.55	0.24	0.2	0.67	10
Sulfate (mg/L)	180	6	11	<5.0	53	1.9	1.5	1.4	2.3	2.8	3	<1.0	2.3	1.9	2.2	2.5	2.2	2.3	2.2	2.6	2	1.4	2.3	2.4	250
Total Alkalinity (mg/L)	1400	1600	280	1400	990	990	1800	1800	1300	1700	1800	1800	1600	1800	1800	1700	1,900	1,800	1,700	1,700	1800	1,900	1,700	1,700	NS
Total Cyanide (mg/L)		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01		0.2
Total Dissolved Solids (mg/L)	1500	1400	1630	1750	1830	2100	1900	2000	1800	1700	1700	2000	1700	1900	1900	1800	1,900	2,000	1,800	1,800	1800	1,700	1,700	1,600	500
Total Hardness (mg/L)	652	620	831	635	596	540	620	630	620	620	660	580	650	620	630	660	600	590	720	540	460	470	450	380	NS
Total Kjeldahl Nitrogen (mg/L)	160	180	170	160	200	260	280	270	210	190	230	250	210	200	240	220	270	330	270	280	270	270	230	260	NS
Total Organic Carbon (mg/L)	89	90	270	107	37.3	140	120	150	130	130	140	120	150	160	160	180	150	100	150	160	140	130	140	150	NS
Total Phenols (mg/L)	0.03	0.027	0.034	0.033	0.027	0.019	<0.002	0.02	0.02	0.024	0.021	0.02	0.019	0.024	0.021	0.017	<0.002	0.014	0.014	0.018	0.022	0.022	0.019	0.017	0.001
Part 360 Metals																									
Boron (mg/L)		2.7				3.4	3.4			2.3	2.8	3	3.1	3	3			3.2	4	3	3		2.8		1
Cadmium (mg/L)	0.0058	0.0061	<0.005	<0.005	<0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01	<0.01	<0.01	0.005
Calcium (mg/L)	133	120	172	117	110	93	110	110	110	100	120	100	110	110	110	120	100	100	130	97	77	80	76	68	NS
Iron (mg/L)	57.2	54.9	58.4	57.1	51.6	52	59	59	58	56	65	54	55	50	57	54	52	50	67	47	44	44	42	36	0.3*
Lead (mg/L)	0.0096	0.0061	0.022	0.011	0.012	<0.01	<0.01	0.026	<0.01	<0.01	<0.01	0.018	<0.01	<0.01	<0.01	0.018	0.015	<0.01	0.018	0.011	0.015	<0.01	<0.01	<0.01	0.025
Magnesium (mg/L)	77.8	76.8	97.6	83.4	78	76	84	89	82	86	90	80	88	86	88	90	82	83	98	73	64	66	63	51	35 (GV)
Manganese (mg/L)	0.447	0.356	0.73	0.39	0.39	0.28	0.36	0.37	0.35	0.35	0.45	0.4	0.4	0.36	0.45	0.46	0.35	0.36	0.47	0.35	0.29	0.28	0.28	0.23	0.3*
Potassium (mg/L)	167	190	190	160	180	260	260	300	190	210	200	220	210	220	220	210	250	320	280	260	270	250	400	230	NS
Sodium (mg/L)	246	285	310	240	280	350	340	480	340	450	400	280	440	430	410	430	340	360	490	300	330	320	320	360	20
Part 360 Additional Baseline Metals																									
Aluminum (mg/L)		0.854					2.1					1.8	0.7					0.74					0.45		NS
Antimony (mg/L)		<0.015					0.031					<0.01	<0.01					0.01					0.014		0.003
Arsenic (mg/L)		<0.01					<0.01					0.013	0.02					0.041					0.026		0.025
Barium (mg/L)		0.351					0.4					0.4	0.35					0.46					0.22		1
Beryllium (mg/L)		<0.003					<0.01					<0.01	<0.01					<0.01					<0.01		0.003 (GV)
Chromium (mg/L)		<0.005					0.019					0.012	<0.01					0.015					<0.01		0.05
Chromium, Hexavalent (mg/L)		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01		0.05
Cobalt (mg/L)		<0.02					0.014					0.012	<0.01					0.012					<0.01		NS
Copper (mg/L)		<0.01					0.014					<0.01	<0.01					<0.01					<0.01		0.2
Mercury (mg/L)		<0.0002					<0.0002					0.0003	0.005					<0.0002					<0.0002		0.0007
Nickel (mg/L)		<0.03					0.039					0.031	0.024					0.036					0.024		0.1
Selenium (mg/L)		<0.005					<0.01					<0.01	<0.01					<0.01					<0.01		0.01
Silver (mg/L)		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01		0.05
Thallium (mg/L)		<0.01					<0.01					<0.1	<0.01					0.014					<0.01		0.0005 (GV)
Vanadium (mg/L)		<0.3					0.02					0.02	0.012					0.023					0.026		NS
Zinc (mg/L)		0.0388					0.13					0.071	0.022					0.046					0.026		2
Part 360 Volatile Organics																									
1,1,1,2-Tetrachloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
1,1,1-Trichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
1,1,2,2-Tetrachloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
1,1,2-Trichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		1
1,1-Dichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
1,1-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
1,2,3-Trichloropropane (µg/L)							<5.0					<5.0	<5.0					<5					<1		0.04
1,2-Dibromo-3-chloropropane (µg/L)		<10.0					<5.0					<5.0	<5.0					<5					<1		0.04
1,2-Dibromoethane (EDB) (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
1,2-Dichlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		3
1,2-Dichloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		0.6
1,2-Dichloropropane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		1
1,3-Dichlorobenzene (µg/L)		<5.0																							3
1,4-Dichloro-2-butene (µg/L)		<10.0																							5
1,4-Dichlorobenzene (µg/L)		1					<5.0					<5.0	<5.0					<5					<1		3
2-Butanone (MEK) (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		50 (GV)
2-Hexanone (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		50 (GV)
4-Methyl 2-pentanone (µg/L)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		NS
Acetone (µg/L)		<10.0					15					<10.0	16				11	13					<10		50 (GV)
Acrylonitrile (µg/L)		<100.0					<20.0					<20.0	<20.0					<20					<5		5
Benzene (µg/L)		10					43					33	35				40	34					16		1
Bromochloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
Bromodichloromethane (µg/L)		<5.0										<5.0	<5.0				<5	<5					<1		50 (GV)
Bromoform (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		50 (GV)
Bromomethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Carbon disulfide (µg/L)		<68					<5.0					<5.0	<5.0				<5	<5					<1		60 (GV)
Carbon tetrachloride (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Chlorobenzene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					1.6		5
Chloroethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Chloroform (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		7
Chloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
cis-1,2-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5

City of Rome
Tannery Road Landfill
Leachate Well LMW-12
Analytical Data

Parameter	3/1/99	6/1/99	9/1/99	12/1/99	3/1/00	6/1/00	9/1/00	12/1/00	3/1/01	6/1/01	9/1/01	12/1/01	3/28/02	6/17/02	9/24/02	12/18/02	3/12/2003	6/25/2003	9/17/2003	12/16/03	3/23/2004	6/22/2004	9/28/2004	12/16/2004	NYSDEC Ground Water Standard
cis-1,3-Dichloropropene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		0.4**
Dibromochloromethane (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		50 (GV)
Dibromomethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
Ethyl benzene (µg/L)		2					<5.0					<5.0	<5.0				<5	<5					<1		5
Iodomethane (µg/L)		<5.0					<20.0					<20.0	<10.0					<10					<10		5
Methylene Chloride (µg/L)		<5.0					<10.0					<10.0	<10.0				<10	<10					<10		5
Styrene (µg/L)							<5.0					<5.0	<5.0				<5	<5					<1		5
Tetrachloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Toluene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
trans-1,2-Dichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
trans-1,3-Dichloropropene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		0.4**
trans-1,4-Dichloro-2-butene (µg/L)							<50.0					<50.0	<10.0					<10					<10		5
Trichloroethene (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		5
Trichlorofluoromethane (µg/L)		<5.0					<5.0					<5.0	<5.0					<5					<1		5
Vinyl Acetate (µg/L)		<50.0					<20.0					<20.0	<20.0					<20					<5		NS
Vinyl Chloride (µg/L)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		2
Xylenes (Total) (µg/L)		**15**					**41**					**26**	**17**				**11**	<5					2		5
1,2-Dichloroethene - Total																	<5								

Notes

1) < indicates not detected at or above the listed value
2) NS indicates that no standard has been promulgated.
3) * indicates that the sum of these two analytes may not exceed 500 µg/L.
4) GV indicates that the value listed is a guidance value rather than a standard.
5) Values in bold exceeded the applicable NYSDEC ground water standard/guidance value.
6) ** indicates standard applies to the sum of the isomers