Delaware Engineering, P.C.
28 Madison Avenue Extension
Albany, New York 12203
Tel: 518.452.1290
Fax: 518.452.1335

March 5, 2010

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 December 2009 Quarterly Report and 2009 Annual Report

Dear Mr. Tallarino:

Enclosed are two copies of the December 2009 Quarterly Report and the 2009 Annual Report for the City of Rome, Tannery Road landfill. I have also submitted a copy of each to the New York State Department of Environmental Conservation pursuant to the landfill post closure monitoring requirements.

If you have any questions or comments you can reach me at (518) 452-1290 ext 212 or via email at efahrenkopf@delawareengineering.com.

Sincerely,

Ed Fahrenkopf
Senior Environmental Scientist

c.
S. Lasdin (NYSDEC)


CITY OF ROME
TANNERY ROAD LANDFILL
2009 ANNUAL REPORT

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1.0 INTRODUCTION

This document presents the 2009 annual report for the post closure operations, including maintenance and monitoring activities for the closed City of Rome Landfill located on Tannery Road in the City of Rome, Oneida County, New York. Final closure of the landfill was completed in September 1997 and in January 1999 the New York State Department of Environmental Conservation (NYSDEC) approved the closure certification report.

The post closure maintenance and monitoring activities were performed pursuant to the Operation, Maintenance and Monitoring Plan (Revised October 19, 1999) that was approved by the NYSDEC. This annual report covers the period from February 2009 through January 2010.

Pursuant to the approved Operation, Maintenance and Monitoring Plan (O&M), this annual report provides the following information:

- The results of all ground water and leachate quality analytical data.
- The amount of ground water/leachate collected from the recovery wells.
- Ground water contour maps for March, June, September and December 2009.
- Monthly Inspection Data.

2.0 GROUND WATER AND LEACHTE ANALYTICAL DATA

Ground water samples were collected in March, June, September and December from monitoring wells MW-1S, MW-2D, MW-3S, MW-4S, MW-5S, MW-7D and groundwater/leachate well LMW-10. The March, June and September samples were analyzed for the NYSDEC Part 360 Routine parameters. The samples collected in December 2009 were analyzed for the Part 360 Baseline parameters.

Analytical results have been previously submitted to the NYSDEC in the quarterly monitoring reports. Tables summarizing the analytical data for each monitoring well from March 1999 to present are provided in Appendix A. Concentrations that exceeded applicable New York State ground water standards are presented in a bold font.

The ground water analytical data from 2009 demonstrate that ground water in the vicinity of monitoring wells MW-2D, MW-3S, MW-4S and MW-7D continue to exhibit elevated concentrations of landfill related constituents. In 2009 ground water from monitoring wells MW-2D, MW-3S, MW-4S and MW-7D exhibited ammonia concentrations, in at least one of the four monitoring events, above the ground water standard and/or upgradient MW-9S concentrations. Potassium concentrations in ground water in the vicinity of monitoring wells MW-2D, MW-3S, MW-4S and MW-7D were generally higher than the upgradient MW-9S concentration as were the MW-7D iron and chloride concentrations, the MW-3D iron concentrations and the MW-4S and MW-7D COD values. Ground water from monitoring well MW-7D continues to exhibit concentrations of benzene and total xylenes above the ground water standard.

Graphs of parameter concentration over time (trend graphs) for several leachate indicator parameters (alkalinity, ammonia, chloride, iron, potassium, sodium and TDS) for each monitoring well are provided in Appendix B. The trend graphs indicate that MW-3S ground water alkalinity, ammonia, chloride, iron, potassium, sodium and TDS concentrations, have exhibited a decreasing trend from the 1999 concentrations and appear to have stabilized at the current concentrations. Trend graphs indicate a decreasing trend in the MW-2D ammonia and potassium concentrations and the MW-7D ammonia, chloride, iron, potassium, sodium and TDS concentrations. Data indicate that implementation of the procedures stipulated in the Record of Decision have resulted in an improvement in the ground water quality in the vicinity of monitoring wells MW-2D, MW-3S and MW-7D.

3.0 GROUND WATER ELEVATION DATA

Consistent with the O&M plan, ground water elevation data were measured monthly from monitoring wells MW-1S, MW-2S, MW-3S, MW-4S, MW-5S, MW-7S, MW-9S, piezometer PZ-1 and leachate wells LMW-10, LMW-11 and LMW-12. A summary of the 2009 ground water elevation data is provided in Table 1. Ground water contour maps for March, June, September and December 2009 have been provided in the quarterly ground water monitoring reports and are also provided in this report. Graphs depicting ground water elevations over time for each monitoring well are provided in Appendix C.

Monitoring well MW-9S has been considered upgradient of the landfill. However, historical ground water elevation data indicate that there are periods when the ground water elevation in MW-9S are lower than the water level elevation in landfill leachate wells LMW-10, LMW-11 and LMW-12 and lower than the ground water elevation in monitoring well MW-3S. Monitoring well MW-9S is located at a greater distance in an upgradient direction from the landfill than any other monitoring well, and would be expected to exhibit less of a landfill related impact on ground water quality, if any, than any other landfill monitoring well. Therefore, for the purpose of comparing ground water analytical results, ground water data from monitoring well MW-9S has been considered representative of background conditions.

The monthly ground water elevation data for 2009 indicates that for most of 2009 ground water elevations in monitoring wells MW-3S, MW-9S, MW-4S, MW-2S and MW-5S were higher than the LMW-10 and LMW-12 leachate monitoring well elevations (MW-3S and MW-9S ten months, MW-4S nine months and MW-2S and MW-5S eight months) indicating an inward gradient at these locations for most of the year.

Trend graphs of historical ground water elevation data indicate a decreasing trend in ground water elevation in the LMW-10, LMW-11 and LMW-12 leachate monitoring wells. With the exception of monitoring well MW-2S, ground water monitoring well ground water elevations have remained stable or exhibit a slight increasing trend (MW-4S, MW-7S, MW-9S). Ground water elevations in MW-2S exhibit a decreasing trend.

Data indicate that the leachate recovery wells have reduced the volume of leachate in the landfill and reduced the overall head difference between the landfill and the monitoring wells located outside the slurry/sheet pile wall.

4.0 SITE INSPECTIONS

4.1 Weekly Site Inspections

City of Rome personnel in accordance with the procedures detailed in the O&M manual conducted weekly landfill inspections. The weekly inspections included evaluation of the ground water/leachate pumping operation and general site security.

4.2 Monthly Inspections

Delaware Engineering performed monthly landfill inspections. The inspections included general review of landfill cap conditions, general site conditions, evaluation and recording of data for the ground water/leachate pumping system, collection of ground water levels and operability of the landfill flares and passive gas vents. In March, June, September and December ground water samples were collected and submitted for analysis as discussed in Section 2.0.

Inspections conducted throughout 2009 of the area along the fence at the southeast end of the landfill adjacent to the constructed wetland indicate that erosion in this area continues to be a potential concern. Erosion channels are present in this area and although vegetation has colonized the channels, the potential for erosion of the landfill cap is an ongoing concern. In the spring of 2009 it is recommended that the soil be replaced, an erosion control mat (North American Green P550 or Curlex HVHD or equivalent) be installed and the area seeded.

Two woodchuck hole are present in the landfill tac-on-berms, one is located approximately 190 feet west of the first culvert inside the landfill gate and a second is located along the tac-on-berm northwest of recovery well RW-3. Repairs to the tac-on-berms should be made in the spring to prevent erosion of the tac-on berms.

There is erosion occurring at the first culvert inside the City of Rome landfill gate on the south side of the access road. Erosion should be repaired in the spring to prevent possible erosion of the landfill cover material.

5.0 GROUND WATER / LEACHATE PUMPING SYSTEM

For each recovery well, readings from the flow totalizers in the meter pit were recorded during the monthly inspections. Leachate flows for each recovery well for the period from January 23, 2009 to January 23, 2009 are presented below. A summary of the monthly leachate pumping volumes is provided in Table 2.

RW-1	0 gallons
RW-2	1,776,800 gallons
RW-3	522,700 gallons
RW-4	0 gallons
Total Gallons	2,299,500 gallons

A summary of the total gallons of leachate that have been pumped from the landfill since 1998 is provided in the following table.

YEAR	RW-1	RW-2	RW-3	RW-4	TOTAL
1998 (To 12/18/98)	998,300	1,403,300	366,300	328,900	3,096,800
1999 (12/18/98 to 12/20/99	822,193	1,334,300	318,500	141,000	2,615,993
2000 (12/20/99 to1/12/01	724,800	1,351,300	223,200	0	2,299,300
2001 (1/12/01 to 1/16/02)	596,400	1,179,900	297,500	0	2,073,800
2002 (1/16/02 to 1/9/03)	515,900	1,025,600	414,400	299,300	2,255,200
2003 (1/9/03 to 1/29/04)	487,500	1,040,800	632,900	1,497,400	3,658,600
2004 (1/29/04 to 1/20/05)	428,200	1,016,100	384,100	1,004,500	2,832,900
2005 (1/20/05 to (1/17/06)	-28,000	522,300	381,400	622,600	1,498,300
2006 (1/17/06 to (1/19/07)	0	1,132,116	474,600	0	1,606,716
2007 (1/19/2007 to 1/23/2009	-1,200	1,634,700	488,000	0	2,121,500
2009 (1/23/2009 to 1/23/2009	0	1,162,600	594,500	0	1,757,100
2009 (1/23/2009 to 1/21/2010)	0	1,776,800	522,700	0	2,299,500
Total	**4,544,093**	**14,579,816**	**4,575,400**	**4,416,400**	**28,115,709**

During 2009 recovery wells RW-1 and RW-4 were non functional. As noted in the 2005 annual report a video inspection of RW-1 and RW-4 revealed that the well casings had collapsed prohibiting the discharge of leachate from the pumps. Continual shifting of the landfill mass has previously affected site monitoring wells and leachate recover well RW-4.

6.0 RECOMMENDATIONS

As discussed in Section 2.0, ground water from monitoring wells MW-2D, MW-3S, MW-4S and MW-7D continue to exhibit ammonia concentrations that exceed both the NYSDEC ground water standards and upgradient MW-9S concentrations. However, trend graphs indicate that MW-3S ground water alkalinity, ammonia, chloride, iron, potassium, sodium and TDS concentrations, have exhibited a decreasing trend from the 1999 concentrations and appear to

have stabilized at the current concentrations. Trend graphs indicate a decreasing trend in the MW-2D ammonia and potassium concentrations and the MW-7D ammonia, chloride, iron, potassium, sodium and TDS concentrations. Data indicate that implementation of the procedures stipulated in the Record of Decision have resulted in an improvement in the ground water quality in the vicinity of monitoring wells MW-2D, MW-3S and MW-7D.

Trend graphs also indicate that ground water quality adjacent to the landfill has been adequately characterized. Ground water quality is not expected to significantly change on a quarterly basis. Therefore, semi-annual collection and analysis of ground water from the on-site monitoring wells would provide adequate ground water monitoring.

Trend graphs of historical ground water elevation data indicate a decreasing trend in ground water elevation in the LMW-10, LMW-11 and LMW-12 leachate monitoring wells. With the exception of monitoring well MW-2S, ground water monitoring well ground water elevations have remained stable or exhibit a slight increasing trend (MW-4S, MW-7S, MW-9S). Ground water elevations in MW-2S exhibit a decreasing trend. Quarterly measurement of water level elevation data (January, April, July, October) would provide sufficient data to track ground water elevation data in the landfill leachate monitoring wells and the ground water monitoring wells.

The City of Rome requests that NYSDEC approve a reduction in ground water monitoring to semi-annual (April and October) and quarterly monitoring of ground water elevations (January, April, July, October). On an alternating basis, samples collected during one of the semi-annual events would be analyzed for the Part 360 baseline parameters and the samples from the other monitoring event would be analyzed for the Part 360 routine parameters.

TABLES

Table 1
Water Level Elevation Data, Comparison to LMW-10 and LMW-12
City of Rome Tannery Road Landfill

WELL	MEASURING POINT ELEVATION (FT.)	1/23/2009	2/25/2009	3/17/2009	4/16/2009	5/15/2009	6/22/2009	7/17/2009	8/26/2009	9/25/2009	10/19/2009	11/13/2009	12/14/2009	1/21/2010
MW-1S	449.59	5.36	5.28	4.15	4.98	5.23	5.03	6.78	8.1	8.45	7.4	6.31	5.38	5.55
MW-2S	459.44	7.55	7.27	5.73	6.94	7.5	6.81	9	9.99	10.38	9.61	8.05	7.08	7.73
MW-3S	456.4	3.81	3.78	3.44	3.76	3.81	3.6	4.73	6.2	6.68	5.18	4.05	3.49	3.43
MW-4S	456.19	3.93	3.93	3.67	3.9	3.98	3.89	4.73	6.75	7.43	6.05	4.73	4.12	4.18
MW-5S	457.15	4.82	4.73	3.9	4.62	4.8	4.46	6.1	7.93	8.69	8.39	6.85	4.74	4.87
MW-7S	452.25	8.34	8.32	7.41	7.26	7.69	7.82	9.45	11.09	11.73	11.72	11	10.41	10.11
MW-9S	456.38	3.89	3.87	3.69	3.9	3.88	3.77	4.36	6.47	6.57	4.62	4.1	3.8	3.97
LMW-10	486.3	34.91	35.16	34.87	35.02	35.02	34.92	34.95	35.39	35.82	35.75	35.5	35.29	35.24
LMW-11	502.4	51.95	52.12	*	51.94	51.9	51.81	51.86	52.17	52.46	52.59	52.51	52.34	52.1
LMW-12	483.11	32.1	32.25	31.95	31.91	31.93	31.93	32.1	32.55	32.95	33.11	33.04	32.8	32.7
PZ-1	454.37	6.63	7.75	4.85	5.99	6.52	6.35	8.21	9.74	10.34	9.78	8.26	6.26	7.15
MW-7D	451.79	8.65	8.68	7.3	7.05	7.76	7.65	9.25	11.03	11.65	11.6	10.99	10.48	10.16

Ground Water Elevation ft/msl

WELL	1/23/2009	2/25/2009	3/17/2009	4/16/2009	5/15/2009	6/22/2009	7/17/2009	8/26/2009	9/25/2009	10/19/2009	11/13/2009	12/14/2009	1/21/2010
MW-1S	444.23	444.31	445.44	444.61	444.36	444.56	442.81	441.49	441.14	442.19	443.28	444.21	444.04
MW-2S	451.89	452.17	453.71	452.5	451.94	452.63	450.44	449.45	449.06	449.83	451.39	452.36	451.71
MW-3S	452.59	452.62	452.96	452.64	452.59	452.8	451.67	450.2	449.72	451.22	452.35	452.91	452.97
MW-4S	452.26	452.26	452.52	452.29	452.21	452.3	451.46	449.44	448.76	450.14	451.46	452.07	452.01
MW-5S	452.33	452.42	453.25	452.53	452.35	452.69	451.05	449.22	448.46	448.76	450.3	452.41	452.28
MW-7S	443.91	443.93	444.84	444.99	444.56	444.43	442.8	441.16	440.52	440.53	441.25	441.84	442.14
MW-9S	452.49	452.51	452.69	452.48	452.5	452.61	452.02	449.91	449.81	451.76	452.28	452.58	452.41
LMW-10	451.39	451.14	451.43	451.28	451.28	451.38	451.35	450.91	450.48	450.55	450.8	451.01	451.06
LMW-11	450.45	450.28		450.46	450.5	450.59	450.54	450.23	449.94	449.81	449.89	450.06	450.3
LMW-12	451.01	450.86	451.16	451.2	451.18	451.18	451.01	450.56	450.16	450	450.07	450.31	450.41
PZ-1	447.74	446.62	449.52	448.38	447.85	448.02	446.16	444.63	444.03	444.59	446.11	448.11	447.22
MW-7D	443.14	443.11	444.49	444.74	444.03	444.14	442.54	440.76	440.14	440.19	440.8	441.31	441.63

LMW-12 Comparison

WELL	1/23/2009	2/25/2009	3/17/2009	4/16/2009	5/15/2009	6/22/2009	7/17/2009	8/26/2009	9/25/2009	10/19/2009	11/13/2009	12/14/2009	1/21/2010
MW-1S	6.78	6.55	5.72	6.59	6.82	6.62	8.2	9.07	9.02	7.81	6.79	6.1	6.37
MW-2S	-0.88	-1.31	-2.55	-1.3	-0.76	-1.45	0.57	1.11	1.1	0.17	-1.32	-2.05	-1.3
MW-3S	-1.58	-1.76	-1.8	-1.44	-1.41	-1.62	-0.66	0.36	0.44	-1.22	-2.28	-2.6	-2.56
MW-4S	-1.25	-1.4	-1.36	-1.09	-1.03	-1.12	-0.45	1.12	1.4	-0.14	-1.39	-1.76	-1.6
MW-5S	-1.32	-1.56	-2.09	-1.33	-1.17	-1.51	-0.04	1.34	1.7	1.24	-0.23	-2.1	-1.87
MW-7S	7.1	6.93	6.32	6.21	6.62	6.75	8.21	9.4	9.64	9.47	8.82	8.47	8.27
MW-9S	-1.48	-1.65	-1.53	-1.28	-1.32	-1.43	-1.01	0.65	0.35	-1.76	-2.21	-2.27	-2
LMW-10	-0.38	-0.28	-0.27	-0.08	-0.1	-0.2	-0.34	-0.35	-0.32	-0.55	-0.73	-0.7	-0.65
LMW-11	0.56	0.58		0.74	0.68	0.59	0.47	0.33	0.22	0.19	0.18	0.25	0.11
PZ-1	3.27	4.24	1.64	2.82	3.33	3.16	4.85	5.93	6.13	5.41	3.96	2.2	3.19
MW-7D	7.87	7.75	6.67	6.46	7.15	7.04	8.47	9.8	10.02	9.81	9.27	9	8.78

LMW-10 Comparison

WELL	1/23/2009	2/25/2009	3/17/2009	4/16/2009	5/15/2009	6/22/2009	7/17/2009	8/26/2009	9/25/2009	10/19/2009	11/13/2009	12/14/2009	1/21/2010
MW-1S	7.16	6.83	5.99	6.67	6.92	6.82	8.54	9.42	9.34	8.36	7.52	6.8	7.02
MW-2S	-0.5	-1.03	-2.28	-1.22	-0.66	-1.25	0.91	1.46	1.42	0.72	-0.59	-1.35	-0.65
MW-3S	-1.2	-1.48	-1.53	-1.36	-1.31	-1.42	-0.32	0.71	0.76	-0.67	-1.55	-1.9	-1.91
MW-4S	-0.87	-1.12	-1.09	-1.01	-0.93	-0.92	-0.11	1.47	1.72	0.41	-0.66	-1.06	-0.95
MW-5S	-0.94	-1.28	-1.82	-1.25	-1.07	-1.31	0.3	1.69	2.02	1.79	0.5	-1.4	-1.22
MW-7S	7.48	7.21	6.59	6.29	6.72	6.95	8.55	9.75	9.96	10.02	9.55	9.17	8.92
MW-9S	-1.1	-1.37	-1.26	-1.2	-1.22	-1.23	-0.67	1	0.67	-1.21	-1.48	-1.57	-1.35
PZ-1	3.65	4.52	1.91	2.9	3.43	3.36	5.19	6.28	6.45	5.96	4.69	2.9	3.84
MW-7D	8.25	8.03	6.94	6.54	7.25	7.24	8.81	10.15	10.34	10.36	10	9.7	9.43

Notes:
1) A negative number indicates an inward gradient.
2)* error in March 2009 LMW-11 water level measurment

Table 2
Operational Data
City of Rome
Tannery Road Landfill

Pump Station at Tannery Road
Hour Meters

	1/23/2009	2/25/2009	3/17/2009	4/16/2009	5/15/2009	6/22/2009	7/17/2009	8/26/2009	9/25/2009	10/19/2009	11/13/2009	12/14/2009	1/21/2010	1/23/2009 - 1/21/2010
Pump #1	74,163	74,823	75,307	76,046	76,749	77,733	78,344	79,104	79,104	79,104	79,615	80,170	80,662	6,499
Pump #2	62,447	62,981	63,366	63,949	64,506	65,286	65,761	66,611	67,523	68,259	68,718	69,332	69,768	7,321

Totalizers in Meter Pit

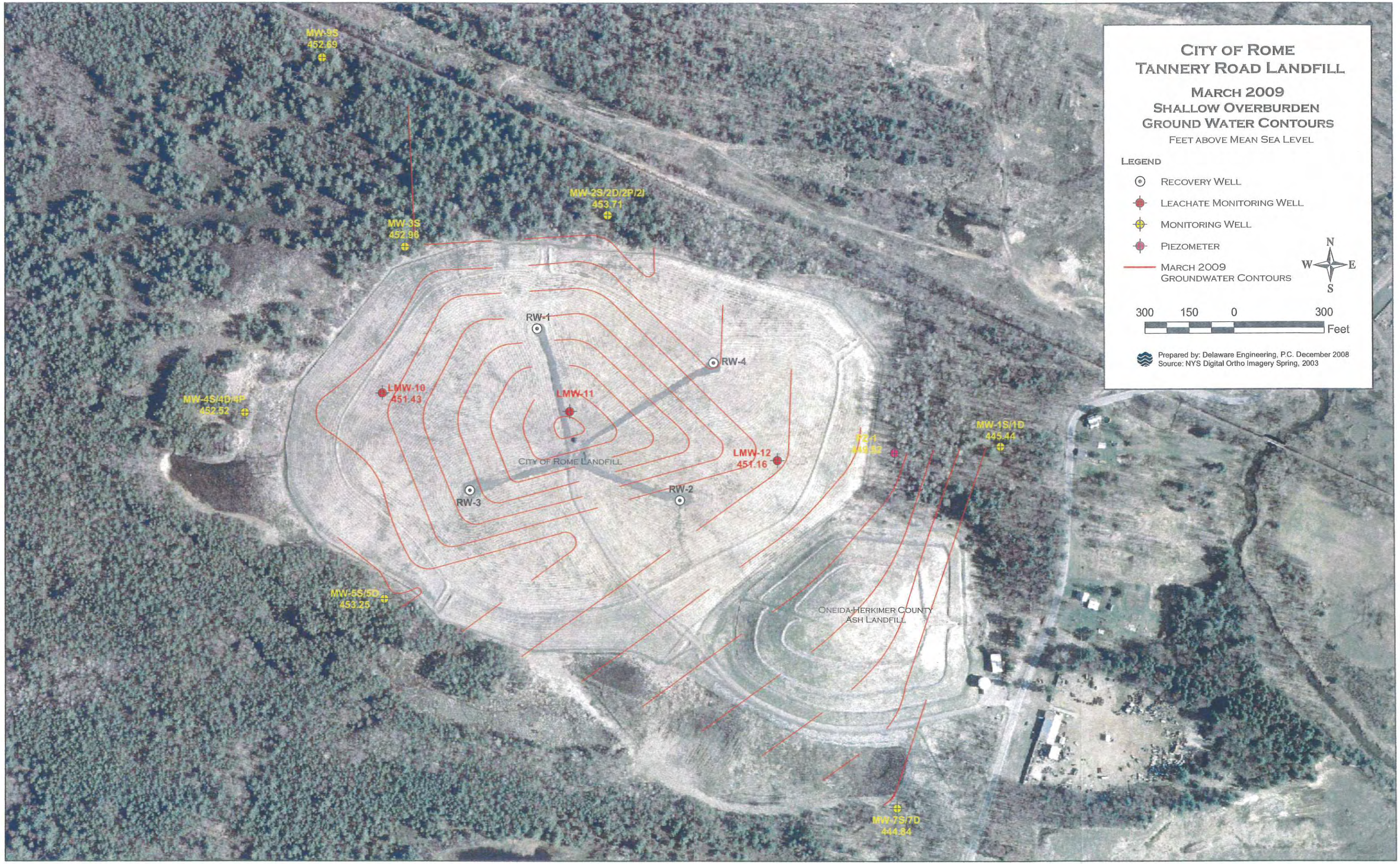
	1/23/2009	2/25/2009	3/17/2009	4/16/2009	5/15/2009	6/22/2009	7/17/2009	8/26/2009	9/25/2009	10/19/2009	11/13/2009	12/14/2009	1/21/2010	1/23/2009 - 1/21/2010
RW-1	4,538,600	4,538,600	4,538,600	4,538,600	4,538,600	4,538,600	4,538,600	4,538,600	4,538,600	4,538,600	4,538,600	4,538,600	4,538,600	0
RW-2	1,312,100	1,328,200	1,427,500	1,635,700	1,815,600	2,075,200	2,276,400	2,553,400	2,711,800	2,844,400	2,950,500	3,088,900	*	1,776,800
RW-3	4,575,400	4,575,400	4,575,400	4,575,400	4,609,100	4,693,900	4,725,600	4,787,000	4,838,400	4,872,500	4,922,100	4,978,600	5,098,100	522,700
RW-4	3,893,000	3,893,000	3,893,000	3,893,000	3,893,000	3,893,000	3,893,000	3,893,000	3,893,000	3,893,000	3,893,000	3,893,000	3,893,000	0
Total														2,299,500

Hour Meters

	1/23/2009	2/25/2009	3/17/2009	4/16/2009	5/15/2009	6/22/2009	7/17/2009	8/26/2009	9/25/2009	10/19/2009	11/13/2009	12/14/2009	1/21/2010	1/23/2009 - 12/14/2009
RW-1	19,686.5	19,686.5	19,686.5	19,686.5	19,686.5	19,686.5	19,686.5	19,686.5	19,686.5	19,686.5	19,686.5	19,686.5	19,686.5	0
RW-2	42,029.0	42,817.5	43,261.7	43,939.5	44,634.8	45,545.3	46,143.6	47,104.6	47,825.1	48,400.3	49,000.7	49,745.8	49,878.9	7,850
RW-3	68,003.7	68,003.7	68,003.7	68,003.7	68,338.9	69,200.8	69,788.9	70,530.8	71,111.7	71,477.8	72,057.3	72,708.2	73,351.9	5,348
RW-4	28,401.5	28,401.5	28,401.5	28,401.5	28,401.5	28,401.5	28,401.5	28,401.5	28,401.5	28,401.5	28,401.5	28,401.5	28,401.5	0

* Meter removed for repair

FIGURES



CITY OF ROME
TANNERY ROAD LANDFILL

MARCH 2009
SHALLOW OVERBURDEN
GROUND WATER CONTOURS

FEET ABOVE MEAN SEA LEVEL

LEGEND

- RECOVERY WELL
- LEACHATE MONITORING WELL
- MONITORING WELL
- PIEZOMETER
- MARCH 2009 GROUNDWATER CONTOURS

N
W E
S

300 150 0 300
Feet

Prepared by: Delaware Engineering, P.C. December 2008
Source: NYS Digital Ortho Imagery Spring, 2003

APPENDIX A

ANALYTICAL DATA SUMMARY TABLES

CITY OF ROME
TANNERY ROAD LANDFILL

SEPTEMBER 2009
SHALLOW OVERBURDEN
GROUND WATER CONTOURS

FEET ABOVE MEAN SEA LEVEL

LEGEND

- RECOVERY WELL
- LEACHATE MONITORING WELL
- MONITORING WELL
- PIEZOMETER
- SEPTEMBER 2009 GROUNDWATER CONTOURS

N
W E
S

300 150 0 300
Feet

Prepared by: Delaware Engineering, P.C. December 2008
Source: NYS Digital Ortho Imagery Spring, 2003

MW-9S
449.81

MW-3S
449.72

MW-2S/2D/2P/2I
449.06

RW-1

RW-4

LMW-10
450.48

LMW-11
449.94

MW-4S/4D/4P
428.76

CITY OF ROME LANDFILL

LMW-12
450.16

PZ-1
444.03

MW-1S/1D
441.14

RW-3

RW-2

MW-5S/5D
448.46

ONEIDA-HERKIMER COUNTY
ASH LANDFILL

MW-7S/7D
440.52

CITY OF ROME
TANNERY ROAD LANDFILL

JUNE 2009
SHALLOW OVERBURDEN
GROUND WATER CONTOURS

FEET ABOVE MEAN SEA LEVEL

LEGEND

- RECOVERY WELL
- LEACHATE MONITORING WELL
- MONITORING WELL
- PIEZOMETER
- JUNE 2009 GROUNDWATER CONTOURS

N
W E
S

300 150 0 300
Feet

Prepared by: Delaware Engineering, P.C. December 2008
Source: NYS Digital Ortho Imagery Spring, 2003

MW-9S
452.61

MW-2S/2D/2P/2I
453.63

MW-3S
452.80

RW-1

RW-4

LMW-10
451.38

LMW-11
450.59

MW-4S/4D/4P
452.30

CITY OF ROME LANDFILL

LMW-12
451.18

PZ-1
448.62

MW-1S/1D
444.56

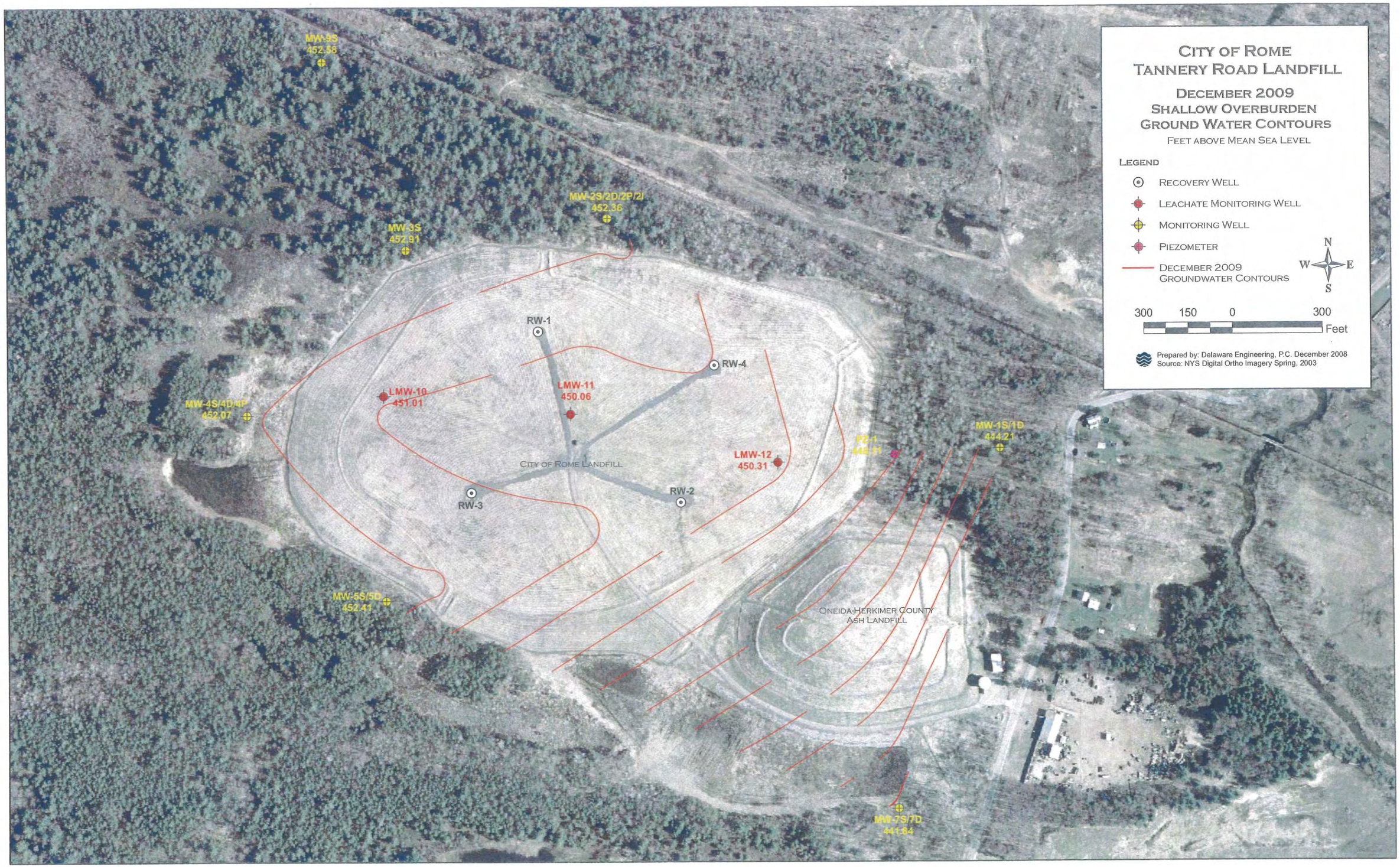
RW-3

RW-2

MW-5S/5D
453.69

ONEIDA-HERKIMER COUNTY
ASH LANDFILL

MW-7S/7D
444.43


MW-9S
452.58
MW-2S/2D/2P/2I
452.36
MW-3S
452.91
RW-1
RW-4
LMW-10
451.01
LMW-11
450.06
MW-4S/4D/4P
452.07
LMW-12
450.31
P2-1
445.11
MW-1S/1D
444.21
City of Rome Landfill
RW-3
RW-2
MW-5S/5D
452.41
Oneida-Herkimer County
Ash Landfill
MW-7S/7D
441.84
City of Rome
Tannery Road Landfill
December 2009
Shallow Overburden
Ground Water Contours
Feet above Mean Sea Level
Legend
Recovery Well
Leachate Monitoring Well
Monitoring Well
Piezometer
December 2009
Groundwater Contours
N
W
E
S
300
150
0
300
Feet
Prepared by: Delaware Engineering, P.C. December 2008
Source: NYS Digital Ortho Imagery Spring, 2003

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

Date	NYSDEC Ground Water Standard	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
Field Parameter																									
Conductivity (µmhos/cm)	NS	31	103	398	89	39	39	31	23	23	34	62	37	75	67	190	58	376	21	180	20	24	35	44	73
pH (s.u.)	6.5 - 8.5	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**
Temperature (deg C)	NS	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
Turbidity (NTU)	5	**785**	**925**	**560**	**140**	**222**	**161**	**527**	**195**	**316**	**186**	**88**	**90**	**145**	**68**	**126**	**8**	**65**	**556**	**52**	**50**	**113**	**73**	**29**	**140**
Dissolved Oxygen (mg/L)	NS																								
Redox	NS																								
Part 360 Leachate Indicator Parameters																									
Ammonia-Nitrogen (mg/L)	2	<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
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	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
Bromide (mg/L)	2	<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
Chemical Oxygen Demand (mg/L)	NS	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
Chloride (mg/L)	250	<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
Color (Pt-Co)	15		46					**30**					**50**	**20**					8					**180**	
Nitrate-Nitrogen (mg/L)	10	<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
Sulfate (mg/L)	250	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
Total Alkalinity (mg/L)	NS	<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
Total Cyanide (mg/L)	0.2		<0.010					<0.010					<0.010	<0.010					<0.01					0.01	
Total Dissolved Solids (mg/L)	500	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
Total Hardness (mg/L)	NS	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
Total Kjeldahl Nitrogen (mg/L)	NS	<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
Total Organic Carbon (mg/L)	NS	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
Total Phenols (mg/L)	0.001	<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
Part 360 Routine Metals																									
Boron (mg/L)	1		<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	
Cadmium (mg/L)	0.005	<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
Calcium (mg/L)	NS	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
Iron (mg/L)	0.3*	**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
Lead (mg/L)	0.025	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
Magnesium (mg/L)	35 (GV)	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
Manganese (mg/L)	0.3*	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
Potassium (mg/L)	NS	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
Sodium (mg/L)	20	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
Part 360 Additional Baseline Metals																									
Aluminum (mg/L)	NS		32					25					5	8.9					3					2.1	
Antimony (mg/L)	0.003		<0.015					**0.012**					<0.010	<0.010					<0.01					<0.01	
Arsenic (mg/L)	0.025		0.018					<0.010					<0.010	<0.010					0.013					<0.01	
Barium (mg/L)	1		0.431					<0.2					<0.2	<0.2					<0.2					<0.2	
Beryllium (mg/L)	0.003 (GV)		<0.003					<0.010					<0.010	<0.010					<0.01					<0.01	
Chromium (mg/L)	0.05		0.047					0.01					<0.010	<0.010					<0.01					<0.01	
Chromium, Hexavalent (mg/L)	0.05		<0.010					<0.010					<0.010	<0.010					<0.01					<0.01	
Cobalt (mg/L)	NS		<0.020					<0.010					<0.010	<0.010					<0.01					<0.01	
Copper (mg/L)	0.2		0.041					0.022					<0.010	<0.010					0.012					<0.01	
Mercury (mg/L)	0.0007		<0.0002					0.00053					<0.0002	0.000300					<0.0002					<0.0002	
Nickel (mg/L)	0.1		0.039					0.012					<0.010	<0.010					<0.01					<0.01	
Selenium (mg/L)	0.01		<0.005					<0.010					<0.010	<0.010					<0.01					<0.01	
Silver (mg/L)	0.05		<0.010					<0.010					<0.010	<0.010					<0.01					<0.01	
Thallium (mg/L)	0.0005 (GV)		<0.010					<0.010					<0.010	<0.010					<0.01					<0.01	
Vanadium (mg/L)	NS		0.031					0.012					<0.010	<0.010					<0.01					<0.01	
Zinc (mg/L)	2		0.149					0.1					0.04	0.033					0.094					0.022	
Part 360 Volatile Organics																									
1,1,1,2-Tetrachloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1	
1,1,1-Trichloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0			<5		<5					<1	
1,1,2,2-Tetrachloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0			<5		<5					<1	
1,1,2-Trichloroethane (µg/L)	1		<5.0					<5.0					<5.0	<5.0			<5		<5					<1	
1,1-Dichloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0			<5		<5					<1	
1,1-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0			<5		<5					<1	
1,2,3-Trichloropropane (µg/L)	0.04												<5.0	<5.0					<5					<1	
1,2-Dibromo-3-chloropropane (µg/L)	0.04		<10.0					<5.0					<5.0	<5.0					<5					<1	
1,2-Dibromoethane (EDB) (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1	
1,2-Dichlorobenzene (µg/L)	3		<5.0					<5.0					<5.0	<5.0					<5					<1	
1,2-Dichloroethane (µg/L)	0.6		<5.0					<5.0					<5.0	<5.0			<5		<5					<1	

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

Date	NYSDEC Ground Water Standard	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
1,2-Dichloropropane (µg/L)	1		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
1,3-Dichlorobenzene (µg/L)	3		<5.0					<5.0					<5.0	<5.0											
1,4-Dichlorobenzene (µg/L)	3		<5.0					<10.0					<10.0	<10.0					<5					<1	
2-Butanone (MEK) (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10	
2-Hexanone (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10	
4-Methyl 2-pentanone (µg/L)	NS		<10.0					<10.0					<20.0	<20.0				<10	<10					<10	
Acetone (µg/L)	50 (GV)		<10.0					<20.0					<5.0	<5.0				11	<10					<10	
Acrylonitrile (µg/L)	5		<100					<5.0					<5.0	<5.0					<20					<5	
Benzene (µg/L)	1		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Bromochloromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1	
Bromodichloromethane (µg/L)	50 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Bromoform (µg/L)	50 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Bromomethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Carbon disulfide (µg/L)	60 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Carbon tetrachloride (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Chlorobenzene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Chloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Chloroform (µg/L)	7		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Chloromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
cis-1,2-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1	
cis-1,3-Dichloropropene (µg/L)	0.4**		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Dibromochloromethane (µg/L)	50 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Dibromomethane (µg/L)	5		<5.0					<20.0					<20.0	<10.0					<5					<1	
Ethyl benzene (µg/L)	5		<5.0					<10.0					<10.0	<10.0				<5	<5					<1	
Iodomethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<10					<10	
Methylene Chloride (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<10	<10					<10	
Styrene (µg/L)	5							<5					<5	<5				<5	<5					<1	
Tetrachloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Toluene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
trans-1,2-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1	
trans-1,3-Dichloropropene (µg/L)	0.4**		<5.0					<50.0					<50.0	<10.0				<5	<5					<1	
trans-1,4-Dichloro-2-butene (µg/L)	5							<50					<50	<10					<10					<10	
Trichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Trichlorofluoromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1	
Vinyl Acetate (µg/L)	NS		<50.0					<20.0					<20.0	<20.0					<20					<5	
Vinyl Chloride (µg/L)	2		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
Xylenes (Total) (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1	
1,2-Dichloroethene - Total	5																	<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
Monitoring Well MW-1S
Ground Water Analtyical Data

Date	NYSDEC Ground Water Standard	03/22/05	06/28/05	09/27/05	12/06/05	03/28/06	06/28/06	09/26/06	12/13/06	03/15/07	06/21/07	09/25/07	12/17/07	3/27/2008	6/19/2008	9/23/2008	12/15/20008	3/17/2009	6/22/2009	9/25/2009	12/14/2009
Field Parameter																					
Conductivity (µmhos/cm)	NS	51	71	130	40	20	230	47	20	19	23	62	18	18	18	44	152	18	28	76	17
pH (s.u.)	6.5 - 8.5	6.66	**6.2**	6.8	7.4	**5.9**	**6.2**	7.07	**5.64**	**5.02**	**5.44**	**5.7**	**5.34**	**5.43**	**5.23**	**6.26**	6.84	**5.58**	**5.16**	**5.75**	6.75
Temperature (deg C)	NS	4.3		12	6	5	16	13.6	8.6	3.7	12.5	12.5	5.6	4.6	11.6	13.7	5.7	4.3	12	12	7
Turbidity (NTU)	5	**124**	**120**	**5**	**68**	**218**	3	-	**65**	0	**119**	**116**	**57**	**30**	**83**	4	**4**	**50**	**18**	**91**	**10**
Dissolved Oxygen (mg/L)	NS										7.58										
Redox	NS										63										
Part 360 Leachate Indicator Parameters																					
Ammonia-Nitrogen (mg/L)	2	0.09	<0.03	1.3	<0.03	0.046	<0.030	0.27	0.054	<0.03	0.85	0.3	<0.03	0.085	<0.03	0.55	<0.03	<0.03	0.044	0.38	<0.030
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	<4.0	<4.0	<4.0	<4	<4	<4.0	<4	<4	<4	<4	6	<4	<5	<4	<4	<4	<4	<4	<4.0	<4.0
Bromide (mg/L)	2	<0.1	<0.1	0.14	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<01	<0.1	<0.1	<0.1	<0.1	<0.1
Chemical Oxygen Demand (mg/L)	NS	22	27	30	15	12	<5.0	23	11	9.6	11	31	14	<5	<5	<5	25	<5	<5	16	<5.0
Chloride (mg/L)	250	2.1	2.7	4.1	<1.0	<0.01	2.3	4.5	3.2	2.4	3.4	4.4	3.4	<2	2.9	2.5	2.8	2.9	2.6	2.7	2.5
Color (Pt-Co)	15				**160**	**100**					**80**					**30**					<5
Nitrate-Nitrogen (mg/L)	10	<0.1	0.12	0.18	<0.1	<0.1	<0.10	0.11	<0.1	<0.1	<0.1	0.11	<0.1	0.048	0.15	0.22	<0.1	<0.1	<0.1	0.25	<0.1
Sulfate (mg/L)	250	7.3	6.8	6.4	6.6	9	6.1	8.2	7.5	7.8	8.8	4.9	6.3	5.5	7.2	6.7	5.8	<1	6.2	6.5	6
Total Alkalinity (mg/L)	NS	4	3	48	1	2	2	46	4	2	4	18	<1	3	4	13	2	2	<3	19	<3.0
Total Cyanide (mg/L)	0.2				<0.01	<0.01					0.011					<0.01					<0.01
Total Dissolved Solids (mg/L)	500	14	50	88	36	20	20	54	34	12	52	74	12	<10	32	90	20	20	<10	40	<10
Total Hardness (mg/L)	NS	<7.0	7	7	6.3	<7	<7.0	26	<7	<7	33	25	<7	<7	<7	12	<7	<7	<7	26	<7.0
Total Kjeldahl Nitrogen (mg/L)	NS	0.32	0.66	0.66	0.27	0.17	0.37	0.73	0.32	0.2	1.1	1	0.35	0.18	2.4	1.2	0.4	0.2	0.21	1.1	0.35
Total Organic Carbon (mg/L)	NS	5.5	8.3	11	3.4	6.3	3.8	7.8	3.1	2.4	3.1	11	4.8	2.5	4.2	6.5	2	3.6	2.6	18	3.2
Total Phenols (mg/L)	0.001	<0.010	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.05	<0.002	<0.003	<0.003	<0.003	<0.003	<0.003	**0.0039**	<0.003	<0.003	<0.003	**0.0043**	<0.003
Part 360 Routine Metals																					
Boron (mg/L)	1				<0.5	<0.5					<0.5					<0.5					<0.5
Cadmium (mg/L)	0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<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
Calcium (mg/L)	NS	<1.0	2.8	15	1.7	1.5	<1.0	8.1	1.2	<1	3.5	8.1	1.3	1.2	1.4	5	<1	1.1	70	8.1	<1.0
Iron (mg/L)	0.3*	**4.2**	**5.9**	**13**	**3.2**	**1.9**	**1.9**	**5.1**	**0.54**	**2.2**	**2**	17	**3.3**	**2.5**	**1.7**	**3.6**	**1.5**	**1.3**	**41**	**5.7**	**1.7**
Lead (mg/L)	0.025	<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	0.017	<0.010	<0.01
Magnesium (mg/L)	35 (GV)	<1.0	<1.0	2.6	<1	<1	<1.0	1.3	<1	<1	<1	1.1	<1	<1	<1	<1	<1	<1	**16**	1.4	<1.0
Manganese (mg/L)	0.3*	0.049	0.1	**0.54**	0.046	<0.01	0.033	<0.01	0.063	0.041	0.14	**0.62**	0.074	0.06	0.058	**0.36**	0.018	0.042	**0.73**	**0.31**	0.02
Potassium (mg/L)	NS	<1.0	<1.0	2.9	<1	<1	<1.0	1.6	<1	<1	1.2	1.2	<1	<1	<1	0.83	6	<1	28	<1.0	<1.0
Sodium (mg/L)	20	<1.0	<1.0	2.5	1	1.1	1.3	<1	<1	1	2.5	<1	<1	<1	<1	<1	1.1	<1	**31**	<1.0	<1.0
Part 360 Additional Baseline Metals																					
Aluminum (mg/L)	NS				2.8	3.3					1.6					2.3					1.3
Antimony (mg/L)	0.003				<0.01	<0.01					<0.01					<0.01					<0.01
Arsenic (mg/L)	0.025				<0.01	<0.01					<0.01					<0.01					<0.01
Barium (mg/L)	1				<0.1	<0.2					<0.2					<0.2					<0.1
Beryllium (mg/L)	0.003 (GV)				<0.01	<0.01					<0.01					<0.01					<0.01
Chromium (mg/L)	0.05				<0.01	<0.01					<0.01					<0.01					<0.01
Chromium, Hexavalent (mg/L)	0.05				<0.01	**3.3**					<0.01					<0.01					<0.01
Cobalt (mg/L)	NS				<0.01	<0.01					<0.01					<0.01					<0.01
Copper (mg/L)	0.2				<0.01	<0.01					<0.04					<0.01					<0.01
Mercury (mg/L)	0.0007				0.00042	<0.0002					<0.0002					<0.0002					<0.0002
Nickel (mg/L)	0.1				<0.01	<0.01					<0.01					<0.01					<0.01
Selenium (mg/L)	0.01				<0.01	<0.01					<0.01					<0.01					<0.01
Silver (mg/L)	0.05				<0.01	<0.01					0.038					<0.01					<0.01
Thallium (mg/L)	0.0005 (GV)				**0.02**	**0.024**					<0.01					<0.01					<0.02
Vanadium (mg/L)	NS				<0.01	<0.01					<0.01					<0.01					<0.01
Zinc (mg/L)	2				0.027	0.021					<0.43					0.041					0.024
Part 360 Volatile Organics																					
1,1,1,2-Tetrachloroethane (µg/L)	5				<1	<1					<1.0					<1					<1
1,1,1-Trichloroethane (µg/L)	5				<1	<1					<1.0					<1					<1
1,1,2,2-Tetrachloroethane (µg/L)	5				<1	<1					<1.0					<1					<1
1,1,2-Trichloroethane (µg/L)	1				<1	<1					<1.0					<1					<1
1,1-Dichloroethane (µg/L)	5				<1	<1					<1.0					<1					<1
1,1-Dichloroethene (µg/L)	5				<1	<1					<1.0					<1					<1
1,2,3-Trichloropropane (µg/L)	0.04				<1	<1					<1.0					<1					<1
1,2-Dibromo-3-chloropropane (µg/L)	0.04				<1	<1					<1.0					<1					<1
1,2-Dibromoethane (EDB) (µg/L)	5				<1	<1					<1.0					<1					<1
1,2-Dichlorobenzene (µg/L)	3				<1	<1					<1.0					<1					<1
1,2-Dichloroethane (µg/L)	0.6				<1	<1					<1.0					<1					<1

City of Rome
Tannery Road Landfill
Monitoring Well MW-1S
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Date	NYSDEC Ground Water Standard	03/22/05	06/28/05	09/27/05	12/06/05	03/28/06	06/28/06	09/26/06	12/13/06	03/15/07	06/21/07	09/25/07	12/17/07	3/27/2008	6/19/2008	9/23/2008	12/15/20008	3/17/2009	6/22/2009	9/25/2009	12/14/2009
1,2-Dichloropropane (µg/L)	1				<1	<1					<1.0					<1					<1
1,3-Dichlorobenzene (µg/L)	3																				
1,4-Dichlorobenzene (µg/L)	3				<1	<1					<1.0					<1					<1
2-Butanone (MEK) (µg/L)	50 (GV)				<5	<5					<5.0					<10					<10
2-Hexanone (µg/L)	50 (GV)				<5	<5					<5.0					**<10**					<10
4-Methyl 2-pentanone (µg/L)	NS				<5	<5					<5.0					**<10**					<10
Acetone (µg/L)	50 (GV)				<10	<5					<5.0					<10					<10
Acrylonitrile (µg/L)	5				<20	<20					<20					<20					<20
Benzene (µg/L)	1				<1	<1					<1.0					<1					<1
Bromochloromethane (µg/L)	5				<1	<1					<1.0					<1					<1
Bromodichloromethane (µg/L)	50 (GV)				<1	<1					<1.0					<1					<1
Bromoform (µg/L)	50 (GV)				<1	<1					<1.0					<1					<1
Bromomethane (µg/L)	5				<1	<1					<1.0					<1					<1
Carbon disulfide (µg/L)	60 (GV)				<1	<1					<1.0					<1					<1
Carbon tetrachloride (µg/L)	5				<1	<1					<1.0					<1					<1
Chlorobenzene (µg/L)	5				<1	<1					<1.0					<1					<1
Chloroethane (µg/L)	5				<1	<1					<1.0					<1					<1
Chloroform (µg/L)	7				<1	<1					<1.0					<1					<1
Chloromethane (µg/L)	5				<1	<1					<1.0					<1					<1
cis-1,2-Dichloroethene (µg/L)	5				<1	<1					<1.0					<1					<1
cis-1,3-Dichloropropene (µg/L)	0.4**				<1	<1					<1.0					<1					<1
Dibromochloromethane (µg/L)	50 (GV)				<1	<1					<1.0					<1					<1
Dibromomethane (µg/L)	5				<1	<1					<1.0					<1					<1
Ethyl benzene (µg/L)	5				<1	<1					<1.0					<1					<1
Iodomethane (µg/L)	5				<5	<5					<5.0					<5					<5
Methylene Chloride (µg/L)	5				<5	<1					<1.0					<1					<1
Styrene (µg/L)	5				<1	<1					<1.0					<1					<1
Tetrachloroethene (µg/L)	5				<1	<1					<1.0					<1					<1
Toluene (µg/L)	5				<1	<1					<1.0					<1					<1
trans-1,2-Dichloroethene (µg/L)	5				<1	<1					<1.0					<1					<1
trans-1,3-Dichloropropene (µg/L)	0.4**				<1	<1					<1.0					<1					<1
trans-1,4-Dichloro-2-butene (µg/L)	5				<5	<5					<5.0					<5					<5
Trichloroethene (µg/L)	5				<1	<1					<1.0					<1					<1
Trichlorofluoromethane (µg/L)	5				<1	<1					<1.0					<1					<1
Vinyl Acetate (µg/L)	NS				<5	<5					<5.0					<5					<5
Vinyl Chloride (µg/L)	2				<1	<1					<1.0					<1					<1
Xylenes (Total) (µg/L)	5				<1	<1					<1.0					<1					<1
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
Monitoring Well MW-2D
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standard	3/12/2003	6/22/2004	9/28/2004	12/16/2004	3/22/2005	6/28/2005	9/27/2005	12/6/2005	3/28/2006	6/28/2006	9/26/2006	12/13/2006	3/15/2007	6/21/2007	9/25/2007	12/17/2007	3/27/2008	6/19/2008	9/23/2008
Field Parameters																				
Conductivity (µmhos/cm)	NS	381	270	253	300	235	288	245	270	240	480	353	203	295	221	165	180	161	192	228
pH (s.u.)	6.5 - 8.5	6.7	6.73	6.98	6.8	7.62	6.96	7.45	6.7	7.3	8	7.8	6.72	7.01	7.32	7.1	7.06	7.34	7.3	7.39
Temperature (deg C)	NS	6.3	12	13.7	8	7.6		11.5	9	9	12	11.2	10.5	7.5	11	11.8	8.7	8.1	10.4	10.8
Turbidity (NTU)	5	**202**	**138**	**125**	**150**	**39**	**100**	**30**	**38**	**48**	**28**	-	**6**	0	**67**	**16**	**6**	**16**	**97**	0
Redox	NS														-118					
Dissolved Oxygen (mg/L)	NS														3.58					
Part 360 Leachate Indicator Parameters																				
Ammonia-Nitrogen (mg/L)	2	**11**	**7.5**	**2.5**	1.6	**6.1**	**4.6**	**6.5**	**5.3**	**4.5**	**5.4**	**11**	**3.3**	**5.8**	**4.2**	0.8	1.4	1.3	**2.8**	**4.9**
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	<10.0	7.3	7.5	4.7	<4.0	<4.0	4.5	<4	<4	<4.0	5.5	<4	<20	<4	**8.4**	<4	<5	<4	<4
Bromide (mg/L)	2	<0.1	<0.1	0.12	<0.1	<0.1	0.14	0.14	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Chemical Oxygen Demand (mg/L)	NS	10	**43**	**32**	26	29	27	26	13	68	23	31	26	23	24	21	28	<5	19	24
Chloride (mg/L)	250	**4.4**	4.5	3.8	3.3	**4**	3.3	4.2	3.9	3.7	3.9	5.2	3.1	3.6	3.6	2.5	2.8	<2	3.6	3.9
Color (Pt-Co)	15			**650**					**100**	**300**					**160**					**100**
Nitrate-Nitrogen (mg/L)	10	0.16	0.15	0.17	1.6	0.15	0.16	0.28	<0.1	<0.1	<0.10	<0.1	<0.1	0.1	0.1	0.55	<0.1	<0.04	<0.1	0.17
Sulfate (mg/L)	250	77	38	33	22	30	24	31	32	24	23	37	15	23	18	10	2.3	12	14	16
Total Alkalinity (mg/L)	NS	100	92	74	**66**	88	80	80	84	84	120	130	82	**120**	120	77	83	95	120	150
Total Cyanide (mg/L)	0.2			<0.01					<0.01	<0.01					<0.01					<0.01
Total Dissolved Solids (mg/L)	500	300	140	160	120	160	140	170	210	150	160	150	150	160	160	130	120	100	130	210
Total Hardness (mg/L)	NS	130	100	90	69	89	73	80	93	87	110	110	78	97	150	73	74	68	86	98
Total Kjeldahl Nitrogen (mg/L)	NS	13	8.4	5	1.9	7.2	4.4	6.5	3.3	3.1	4.9	11	4.9	5.8	4.7	1.4	2.6	1.7	3.7	5.3
Total Organic Carbon (mg/L)	NS	13	9.1	8	7.9	7.6	2.3	10	8	7.3	8.1	9.4	**7.3**	8	8.5	7.5	7	6.3	6.8	7.2
Total Phenols (mg/L)	0.001	<0.002	<0.002	<0.002	<0.002	<0.01	**0.0032**	<0.002	**0.0035**	**0.0023**	<0.002	<0.002	<0.05	<0.002	<0.003	<0.003	<0.003	<0.003	<0.003	**0.0055**
Part 360 Routine Metals																				
Boron (mg/L)	1			0.089					<0.5	<0.5					<0.5					<0.5
Cadmium (mg/L)	0.005	<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	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (mg/L)	NS	44	34	29	23	30	24	26	32	29	37	38	26	33	27	24	25	23	29	32
Iron (mg/L)	0.3*	**21**	**12**	**11**	**3.1**	**13**	**7.4**	**8.8**	**11**	9.9	**14**	**10**	**8.1**	**9.7**	**9.1**	**2.1**	**7.4**	**8**	**7.2**	**7.6**
Lead (mg/L)	0.025	<0.01	<0.01	<0.01	<0.01	<0.01	0.022	0.018	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Magnesium (mg/L)	35 (GV)	6.3	4.1	3.9	3	3.6	3.2	3.8	3.3	3.2	4.4	4.4	2.9	3.8	3.4	3.3	2.9	2.7	3.5	4.4
Manganese (mg/L)	0.3*	**1.5**	**1**	**1.1**	**0.97**	**0.96**	**0.87**	**0.93**	**0.89**	0.84	1	<0.01	**0.7**	**0.87**	**0.86**	**0.75**	**0.82**	**0.65**	**0.76**	**0.75**
Potassium (mg/L)	NS	21	13	17	12	12	11	12	11	11	12	15	6.6	12	11	7.6	8.1	6.9	8.6	9.9
Sodium (mg/L)	20	5.7	2.4	3	2.7	1.4	2.2	2.2	2.6	2.5	3.7	4.5	1.5	2.7	2.7	1.7	1.6	1.3	1.6	1.9
Part 360 Additional Baseline Metals																				
Aluminum (mg/L)	NS			0.37					0.26	0.25					0.23					0.22
Antimony (mg/L)	0.003			<0.01					<0.01	<0.01					<0.01					<0.01
Arsenic (mg/L)	0.025			0.011					<0.01	<0.01					<0.01					<0.01
Barium (mg/L)	1			0.23					0.23	0.2					<0.2					0.21
Beryllium (mg/L)	0.003 (GV)			<0.01					<0.01	<0.01					<0.01					<0.01
Chromium (mg/L)	0.05			<0.01					<0.01	<0.01					<0.01					<0.01
Chromium, Hexavalent (mg/L)	0.05			<0.01					<0.01	<0.01					<0.01					<0.01
Cobalt (mg/L)	NS			<0.01					<0.01	<0.01					<0.01					<0.01
Copper (mg/L)	0.2			<0.01					<0.01	<0.01					<0.04					<0.01
Mercury (mg/L)	0.0007			<0.0002					<0.0002	<0.0002					<0.0002					<0.0002
Nickel (mg/L)	0.1			<0.01					<0.01	<0.01					<0.01					<0.01
Selenium (mg/L)	0.01			<0.01					<0.01	<0.01					<0.01					<0.01
Silver (mg/L)	0.05			<0.01					<0.01	<0.01					0.049					<0.01
Thallium (mg/L)	0.0005 (GV)			<0.01					<0.01	0.013					<0.01					<0.01
Vanadium (mg/L)	NS			0.012					<0.01	<0.01					<0.01					<0.01
Zinc (mg/L)	2			0.017					<0.01	0.021					0.023					0.021
Part 360 Volatile Organics																				
1,1,1,2-Tetrachloroethane (µg/L)	5	<5		<1					<1	<1					<1.0					<1
1,1,1-Trichloroethane (µg/L)	5	<5		<1					<1	<1					<1.0					<1
1,1,2,2-Tetrachloroethane (µg/L)	5	<5		<1					<1	<1					<1.0					<1

City of Rome
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Monitoring Well MW-2D
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standard	3/12/2003	6/22/2004	9/28/2004	12/16/2004	3/22/2005	6/28/2005	9/27/2005	12/6/2005	3/28/2006	6/28/2006	9/26/2006	12/13/2006	3/15/2007	6/21/2007	9/25/2007	12/17/2007	3/27/2008	6/19/2008	9/23/2008
1,1,2-Trichloroethane (µg/L)	1	<5		<1					<1	<1					<1.0					<1
1,1-Dichloroethane (µg/L)	5	<5		<1					<1	<1					<1.0					<1
1,1-Dichloroethene (µg/L)	5	<5		<1					<1	<1					<1.0					<1
1,2,3-Trichloropropane (µg/L)	0.04	<5		<1					<1	<1					<1.0					<1
1,2-Dibromo-3-chloropropane (µg/L)	0.04	<5		<1					<1	<1					<1.0					<1
1,2-Dibromoethane (EDB) (µg/L)	5	<5		<1					<1	<1					<1.0					<1
1,2-Dichlorobenzene (µg/L)	3	<5		<1					<1	<1					<1.0					<1
1,2-Dichloroethane (µg/L)	**0.6**	<5		<1					<1	<1					<1.0					<1
1,2-Dichloropropane (µg/L)	1	<5		<1					<1	<1					<1.0					<1
1,3-Dichlorobenzene (µg/L)	3	<5		<1																
1,4-Dichlorobenzene (µg/L)	3	<5		<1					<1	<1					<1.0					<1
2-Butanone (MEK) (µg/L)	50 (GV)	<10		<10					<5	<5					<5.0					<10
2-Hexanone (µg/L)	50 (GV)	<10		<10					<5	<5					<5.0					<10
4-Methyl 2-pentanone (µg/L)	NS	<10		<10					<5	<5					<5.0					<10
Acetone (µg/L)	50 (GV)	<10		<10					<10	<5					<5.0					<10
Acrylonitrile (µg/L)	5	<5		<5					<20	<20					<20					<20
Benzene (µg/L)	1	<5		<1					<1	<1					<1.0					<1
Bromochloromethane (µg/L)	5	<5		<1					<1	<1					<1.0					<1
Bromodichloromethane (µg/L)	50 (GV)	<5		<1					<1	<1					<1.0					<1
Bromoform (µg/L)	50 (GV)	<5		<1					<1	<1					<1.0					<1
Bromomethane (µg/L)	5	<5		<1					<1	<1					<1.0					<1
Carbon disulfide (µg/L)	60 (GV)	<5		<1					<1	<1					<1.0					<1
Carbon tetrachloride (µg/L)	5	<5		<1					<1	<1					<1.0					<1
Chlorobenzene (µg/L)	5	<5		<1					<1	<1					<1.0					<1
Chloroethane (µg/L)	5	<5		<1					<1	<1					<1.0					<1
Chloroform (µg/L)	7	<5		<1					<1	<1					<1.0					<1
Chloromethane (µg/L)	5	<5		<1					<1	<1					<1.0					<1
cis-1,2-Dichloroethene (µg/L)	5	<5		<1					<1	<1					<1.0					<1
cis-1,3-Dichloropropene (µg/L)	0.4**	<5		<1					<1	<1					<1.0					<1
Dibromochloromethane (µg/L)	50 (GV)	<5		<1					<1	<1					<1.0					<1
Dibromomethane (µg/L)	5	<5		<1					<1	<1					<1.0					<1
Ethyl benzene (µg/L)	5	<5		<1					<1	<1					<1.0					<1
Iodomethane (µg/L)	5	<5		<10					<5	<5					<5.0					<5
Methylene Chloride (µg/L)	5	<10		<10					<5	<1					<1.0					<1
Styrene (µg/L)	5	<5		<1					<1	<1					<1.0					<1
Tetrachloroethene (µg/L)	5	<5		<1					<1	<1					<1.0					<1
Toluene (µg/L)	5	<5		<1					<1	<1					<1.0					<1
trans-1,2-Dichloroethene (µg/L)	5	<5		<1					<1	<1					<1.0					<1
trans-1,3-Dichloropropene (µg/L)	0.4**	<5		<1					<1	<1					<1.0					<1
trans-1,4-Dichloro-2-butene (µg/L)	5	<5		<10					<5	<5					<5.0					<5
Trichloroethene (µg/L)	5	<5		<1					<1	<1					<1.0					<1
Trichlorofluoromethane (µg/L)	5	<5		<1					<1	<1					<1.0					<1
Vinyl Acetate (µg/L)	NS	<5		<5					<5	<5					<5.0					<5
Vinyl Chloride (µg/L)	2	<5		<1					<1	<1					<1.0					<1
Xylenes (Total) (µg/L)	5	<5		<1					<1	<1					<1.0					<1
1,2-Dichloroethene - Total	5	<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
Monitoring Well MW-2D
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standard	12/15/2008	3/17/2009	6/22/2009	9/25/2009	12/14/2009
Field Parameters						
Conductivity (µmhos/cm)	NS	211	162	139	147	230
pH (s.u.)	6.5 - 8.5	7.35	6.8	6.89	6.92	6.97
Temperature (deg C)	NS	8.4	8.1	12.5	11	8.8
Turbidity (NTU)	5	**8**	**22**	**8**	9	0
Redox	NS					
Dissolved Oxygen (mg/L)	NS					
Part 360 Leachate Indicator Parameters						
Ammonia-Nitrogen (mg/L)	2	0.28	1.6	0.89	<0.030	**4.3**
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	<4	<4	5.6	<4.0	<4.0
Bromide (mg/L)	2	<0.1	<0.1	<0.1	<0.1	<0.1
Chemical Oxygen Demand (mg/L)	NS	29	14	7.5	8.9	9.3
Chloride (mg/L)	250	3.1	2.8	2.8	2.6	4.5
Color (Pt-Co)	15					**120**
Nitrate-Nitrogen (mg/L)	10	0.58	<0.1	0.23	0.43	<0.1
Sulfate (mg/L)	250	10	11	9.9	10	13
Total Alkalinity (mg/L)	NS	130	74	85	92	86
Total Cyanide (mg/L)	0.2					<0.01
Total Dissolved Solids (mg/L)	500	110	110	110	96	140
Total Hardness (mg/L)	NS	**83**	69	71	70	91
Total Kjeldahl Nitrogen (mg/L)	NS	1.4	2.1	1.2	0.89	2.4
Total Organic Carbon (mg/L)	NS	5.6	6.7	5.4	4	6.8
Total Phenols (mg/L)	0.001	<0.003	<0.003	<0.003	<0.003	<0.003
Part 360 Routine Metals						
Boron (mg/L)	1					<0.5
Cadmium (mg/L)	0.005	<0.01	<0.01	<0.01	<0.010	<0.01
Calcium (mg/L)	NS	25	23	23	22	30
Iron (mg/L)	0.3*	**7.7**	**7.1**	**3.4**	**3**	**8.8**
Lead (mg/L)	0.025	<0.01	<0.01	<0.01	<0.010	<0.01
Magnesium (mg/L)	35 (GV)	5	2.9	3.3	3.5	3.7
Manganese (mg/L)	0.3*	**0.91**	**0.72**	**0.85**	**0.8**	**0.84**
Potassium (mg/L)	NS	7.1	5.8	4.6	5.2	9
Sodium (mg/L)	20	2.2	1.1	1.1	<1.0	1.8
Part 360 Additional Baseline Metals						
Aluminum (mg/L)	NS					0.12
Antimony (mg/L)	0.003					<0.01
Arsenic (mg/L)	0.025					<0.01
Barium (mg/L)	1					0.15
Beryllium (mg/L)	0.003 (GV)					<0.01
Chromium (mg/L)	0.05					<0.01
Chromium, Hexavalent (mg/L)	0.05					<0.01
Cobalt (mg/L)	NS					<0.01
Copper (mg/L)	0.2					<0.01
Mercury (mg/L)	0.0007					<0.0002
Nickel (mg/L)	0.1					<0.01
Selenium (mg/L)	0.01					<0.01
Silver (mg/L)	0.05					<0.01
Thallium (mg/L)	0.0005 (GV)					<0.02
Vanadium (mg/L)	NS					<0.01
Zinc (mg/L)	2					<0.02
Part 360 Volatile Organics						
1,1,1,2-Tetrachloroethane (µg/L)	5					<1
1,1,1-Trichloroethane (µg/L)	5					<1
1,1,2,2-Tetrachloroethane (µg/L)	5					<1

City of Rome
Tannery Road Landfill
Monitoring Well MW-2D
Ground Water Analytical Data

Parameter	NYSDEC Ground Water Standard	12/15/2008	3/17/2009	6/22/2009	9/25/2009	12/14/2009
1,1,2-Trichloroethane (µg/L)	1					<1
1,1-Dichloroethane (µg/L)	5					<1
1,1-Dichloroethene (µg/L)	5					<1
1,2,3-Trichloropropane (µg/L)	0.04					<1
1,2-Dibromo-3-chloropropane (µg/L)	0.04					<1
1,2-Dibromoethane (EDB) (µg/L)	5					<1
1,2-Dichlorobenzene (µg/L)	3					<1
1,2-Dichloroethane (µg/L)	0.6					<1
1,2-Dichloropropane (µg/L)	1					<1
1,3-Dichlorobenzene (µg/L)	3					
1,4-Dichlorobenzene (µg/L)	3					<1
2-Butanone (MEK) (µg/L)	50 (GV)					<10
2-Hexanone (µg/L)	50 (GV)					<10
4-Methyl 2-pentanone (µg/L)	NS					<10
Acetone (µg/L)	50 (GV)					<10
Acrylonitrile (µg/L)	5					<20
Benzene (µg/L)	1					<1
Bromochloromethane (µg/L)	5					<1
Bromodichloromethane (µg/L)	50 (GV)					<1
Bromoform (µg/L)	50 (GV)					<1
Bromomethane (µg/L)	5					<1
Carbon disulfide (µg/L)	60 (GV)					<1
Carbon tetrachloride (µg/L)	5					<1
Chlorobenzene (µg/L)	5					<1
Chloroethane (µg/L)	5					<1
Chloroform (µg/L)	7					<1
Chloromethane (µg/L)	5					<1
cis-1,2-Dichloroethene (µg/L)	5					<1
cis-1,3-Dichloropropene (µg/L)	0.4**					<1
Dibromochloromethane (µg/L)	50 (GV)					<1
Dibromomethane (µg/L)	5					<1
Ethyl benzene (µg/L)	5					<1
Iodomethane (µg/L)	5					<5
Methylene Chloride (µg/L)	5					<1
Styrene (µg/L)	5					<1
Tetrachloroethene (µg/L)	5					<1
Toluene (µg/L)	5					<1
trans-1,2-Dichloroethene (µg/L)	5					<1
trans-1,3-Dichloropropene (µg/L)	0.4**					<1
trans-1,4-Dichloro-2-butene (µg/L)	5					<5
Trichloroethene (µg/L)	5					<1
Trichlorofluoromethane (µg/L)	5					<1
Vinyl Acetate (µg/L)	NS					<5
Vinyl Chloride (µg/L)	2					<1
Xylenes (Total) (µg/L)	5					<1
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	NYSDEC Ground Water Standards	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	03/22/05
Field Parameters																										
Conductivity (µmhos/cm)	NS	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	2,400	623
pH (s.u.)	6.5 - 8.5	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	6.97
Temperature (deg C)	NS	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	5.5
Turbidity (NTU)	5	88	482	357	167	77	78	132	49	35	31	56	42	32		14	0	Frozen	109	60	70	Frozen	11	86	95	71
Redox	NS																									
Dissolved Oxygen (mg/L)	NS																									
Leachate Indicator Parameters																										
Ammonia-Nitrogen (mg/L)	2		75	89	84	120	120	160	130	130	110	95	130	120	82	53	78	Frozen	78	72	75	Frozen	53	56	52	45
Biochemical Oxygen Demand (BOD5) (mg/	NS	18	35	28	28	34	16	31	30		24	16	12	11	<10	35	<10	Frozen	14	<4.0	17	Frozen	12	16	<10	<4.0
Bromide (mg/L)	2	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	<0.1
Chemical Oxygen Demand (mg/L)	NS	930	320	<1	310	420	430	550	410	350	180	410	230	220	150	110	110	Frozen	93	96	120	Frozen	83	84	110	72
Chloride (mg/L)	250	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	3.6
Color (Pt-Co)	15		290					1,200					750	900				Frozen	500	<0.1	0.17	Frozen		750		
Nitrate-Nitrogen (mg/L)	10	<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	0.16
Sulfate (mg/L)	250	<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	42
Total Alkalinity (mg/L)	NS	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	340
Total Cyanide	0.2		<0.01					<0.01					<0.01	<0.01				Frozen	<0.01	490	350	Frozen		<0.01		
Total Dissolved Solids (mg/L)	500	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	350
Total Hardness (mg/L)	NS	770	750	644	504	478	430	470	410	320	360	290	260	200	170	190	150	Frozen	120	190	100	Frozen	120	100	110	130
Total Kjeldahl Nitrogen (mg/L)	NS	85	85	99	89	120	170	160	130	150	130	100	120	140	76	61	32	Frozen	86	63	64	Frozen	63	50	28	35
Total Organic Carbon (mg/L)	NS	200	170	247	123	36	200	150	130	120	130	84	90	86	60	47	43	Frozen	22	35	43	Frozen	30	26	35	23
Total Phenols (mg/L)	0.001	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	<0.01
Part 360 Routine Metals																										
Boron (mg/L)	1		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		
Cadmium (mg/L)	0.005		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	<0.01	<0.01
Calcium (mg/L)	NS	216	212	171	134	123	110	120	110	87	99	82	73	52	49	56	46	Frozen	39	59	32	Frozen	37	29	30	36
Iron (mg/L)	0.3*	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	22	15
Lead (mg/L)	0.025	<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	<0.01	<0.01
Magnesium (mg/L)	35 (GV)	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	7.5	9.5
Manganese (mg/L)	0.3*	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	0.39	0.47
Potassium (mg/L)	NS	202	191	210	160	160	210	230	210	170	170	140	150	140	110	79	97	Frozen	93	94	79	Frozen	110	110	66	70
Sodium (mg/L)	20	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	6.5	6.7
Part 360 Baseline Metals																										
Aluminum (mg/L)	NS		4.04					1.8					1	0.91					1.3					0.44		
Antimony (mg/L)	0.003		<0.015					0.043					<0.01	<0.01					<0.01					<0.01		
Arsenic (mg/L)	0.025		<0.01					0.01					<0.01	<0.01					0.011					0.012		
Barium (mg/L)	1		1.25					1.3					0.61	0.5					0.27					<0.2		
Beryllium (mg/L)	0.003 (GV)		<0.003					0.01					<0.01	<0.01					<0.01					<0.01		
Chromium (mg/L)	0.05		0.0222					0.025					0.015	0.018					0.011					<0.01		
Chromium, Hexavalent (mg/L)	0.05		<0.01					<0.01					<0.01	<0.5					<0.01					<0.01		
Cobalt (mg/L)	NS		<0.02					0.013					<0.01	<0.01					<0.01					<0.01		
Copper (mg/L)	0.2		0.0163					<0.01					<0.01	<0.01					<0.01					<0.01		
Mercury (mg/L)	0.0007		<0.0002					<0.0002					0.007	<0.0002					<0.0002					<0.0002		
Nickel (mg/L)	0.1		<0.03					0.033					0.019	0.027					<0.01					0.011		
Selenium (mg/L)	0.01		<0.005					<0.01					<0.01	<0.01					<0.01					<0.01		
Silver (mg/L)	0.05		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01		
Thallium (mg/L)	0.0005 (GV)		0.0139					<0.01					<0.01	<0.01					<0.01					<0.01		
Vanadium (mg/L)	NS		0.0457					0.075					0.042	0.051					0.027					0.018		
Zinc (mg/L)	2		0.107					0.062					0.025	0.021					0.091					0.02		
Volatile Organics																										
1,1,1,2-Tetrachloroethane (µg/L)	5							<5					<5	<5				Frozen	<5					<1		
1,1,1-Trichloroethane (µg/L)	5		<5					<5					<5	<5				Frozen	<5					<1		
1,1,2,2-Tetrachloroethane (µg/L)	5		<5					<5					<5	<5				Frozen	<5					<1		
1,1,2-Trichloroethane (µg/L)	1		<5					<5					<5	<5				Frozen	<5					<1		
1,1-Dichloroethane (µg/L)	5		<5					<5					<5	<5				Frozen	<5					<1		
1,1-Dichloroethene (µg/L)	5		<5					<5					<5	<5				Frozen	<5					<1		
1,2,3-Trichloropropane (µg/L)	0.04							<5					<5	<5				Frozen	<5					<1		
1,2-Dibromo-3-chloropropane (µg/L)	0.04		<10					<5					<5	<5				Frozen	<5					<1		
1,2-Dibromoethane (EDB) (µg/L)	5		<5					<5					<5	<5				Frozen	<5					<1		
1,2-Dichlorobenzene (µg/L)	3		<5					<5					<5	<5				Frozen	<5					<1		
1,2-Dichloroethane (µg/L)	0.6		<5					<5					<5	<5				Frozen	<5					<1		
1,2-Dichloropropane (µg/L)	1		<5					<5					<5	<5				Frozen	<5					<1		
1,3-Dichlorobenzene (µg/L)	3		<5																							
1,4-Dichlorobenzene (µg/L)	3		<5					<5					<5	<5				Frozen	<5					<1		
2-Butanone (MEK) (µg/L)	50 (GV)		<10					<10					<10	<10				Frozen	<10					<10		

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Parameter	NYSDEC	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	03/22/05
2-Hexanone (µg/L)	50 (GV)		<10					<10					<10	<10				Frozen	<10					<10		
4-Methyl 2-pentanone (µg/L)	NS		<10					<10					<10	<10				Frozen	<10					<10		
Acetone (µg/L)	50 (GV)		21					<10					<10	<10				Frozen	<10					<10		
Acrylonitrile (µg/L)	5		<<100					<20					<20	<20				Frozen	<20					<5		
Benzene (µg/L)	1		<5					<5					<5	<5				Frozen	<5					<1		
Bromochloromethane (µg/L)	5		<5					<5					<5	<5				Frozen	<5					<1		
Bromodichloromethane (µg/L)	50 (GV)		<5										<5	<5				Frozen	<5					<1		
Bromoform (µg/L)	50 (GV)		<5					<5					<5	<5				Frozen	<5					<1		
Bromomethane (µg/L)	5		<5					<5					<5	<5				Frozen	<5					<1		
Carbon disulfide (µg/L)	60 (GV)		6					<5					<5	<5				Frozen	<5					<1		
Carbon tetrachloride (µg/L)	5		<5					<5					<5	<5				Frozen	<5					<1		
Chlorobenzene (µg/L)	5		<5					<5					<5	<5				Frozen	<5					<1		
Chloroethane (µg/L)	5		<5					<5					<5	<5				Frozen	<5					<1		
Chloroform (µg/L)	7		<5					<5					<5	<5				Frozen	<5					<1		
Chloromethane (µg/L)	5		<5					<5					<5	<5				Frozen	<5					<1		
cis-1,2-Dichloroethene (µg/L)	5		<5					<5					<5	<5				Frozen	<5					<1		
cis-1,3-Dichloropropene (µg/L)	0.4**		<5					<5					<5	<5				Frozen	<5					<1		
Dibromochloromethane (µg/L)	50 (GV)		<5					<5					<5	<5				Frozen	<5					<1		
Dibromomethane (µg/L)	5		<5					<5					<5	<5				Frozen	<5					<1		
Ethyl benzene (µg/L)	5		<5					<5					<5	<5				Frozen	<5					<1		
Iodomethane (µg/L)	5		<5					<20					<20	<10				Frozen	<10					<10		
Methylene Chloride (µg/L)	5		<5					<10					<10	<10				Frozen	<10					<10		
Styrene (µg/L)	5							<5					<5	<5				Frozen	<5					<1		
Tetrachloroethene (µg/L)	5		<5					<5					<5	<5				Frozen	<5					<1		
Toluene (µg/L)	5		<5					<5					<5	<5				Frozen	<5					<1		
trans-1,2-Dichloroethene (µg/L)	5		<5					<5					<5	<5				Frozen	<5					<1		
trans-1,3-Dichloropropene (µg/L)	0.4**		<5					<5					<5	<5				Frozen	<5					<1		
trans-1,4-Dichloro-2-butene (µg/L)	5							<50					<50	<10				Frozen	<10					<10		
Trichloroethene (µg/L)	5		<5					<5					<5	<5				Frozen	<5					<1		
Trichlorofluoromethane (µg/L)	5		<5					<5					<5	<5				Frozen	<5					<1		
Vinyl Acetate (µg/L)	NS		<50					<20					<20	<20				Frozen	<20					<5		
Vinyl Chloride (µg/L)	2		<5					<5					<5	<5				Frozen	<5					<1		
Xylenes (Total) (µg/L)	5 5		<5					<5					<5	<5				Frozen	<5					<1		

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

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Parameter	NYSDEC Ground Water Standards	06/28/05	09/27/05	12/06/05	03/28/06	06/28/06	09/26/06	12/13/06	03/15/07	06/21/07	09/25/07	12/17/07	3/27/2008	6/19/2008	9/23/2008	12/15/2008	3/17/2009	6/22/2009	9/25/2009	12/14/2009
Field Parameters																				
Conductivity (µmhos/cm)	NS	2,331	726	630	560	460	517	453	212	555	533	441	475	448	452	507	425	412	493	500
pH (s.u.)	6.5 - 8.5	6.75	6.95	6.2	6.8	7.5	7.44	6.51	6.38	6.79	6.72	6.48	6.69	6.67	7.01	6.96	6.31	6.69	6.57	6.1
Temperature (deg C)	NS		12.5	8	7	12	12.9	9.5	5.2	11.2	12.5	7.3	5.6	10.3	12.6	7.8	6.1	14	12	8.4
Turbidity (NTU)	5	93	25	88	56	55	-	46	0	21	101	10	11	12	0	85	21	14	3	0
Redox	NS									-83										
Dissolved Oxygen (mg/L)	NS									3.99										
Leachate Indicator Parameters																				
Ammonia-Nitrogen (mg/L)	2	50	39	36	25	17	12	9.1	8.7	14	15	7.3	11	5.8	9.7 J	3.9	3.3	2.7	2.4	1.9
Biochemical Oxygen Demand (BOD5) (mg/	NS	24	5.1	<4	<4	7.6	5.6	<4	<20	<4	13	<4	<5	<4	<4	7	4.9	<4	8.1	4.6
Bromide (mg/L)	2	<0.1	<0.1	<0.1	<0.1	<0.10	<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	<0.1
Chemical Oxygen Demand (mg/L)	NS	70	61	40	46	40	43	35	37	41	40	27	11	34	9.6	67	23	19	26	25
Chloride (mg/L)	250	3.7	3.2	<1	3.1	2.6	3.2	2.6	2.8	2.5	4	3.4	<2	2.4	2	3.1	2.7	2.6	3.9	2.6
Color (Pt-Co)	15			340	375					400					100					25
Nitrate-Nitrogen (mg/L)	10	0.29	<0.1	<0.1	0.25	<0.10	<0.1	<0.1	<0.1	<0.1	0.2	<0.1	<0.04	<0.1	0.17	<0.1	<0.1	0.23	<0.1	<0.1
Sulfate (mg/L)	250	37	24	30	2.9	3.7	4.9	4	4.1	5.4	13	4.7	2.7	4.7	4.4	4	3.7	<1	4.1	6.6
Total Alkalinity (mg/L)	NS	350	310	260	300	270	280	250	300	300	280	250	270	250	260	280	240	220	250	250
Total Cyanide	0.2			<0.01	<0.01					<0.01					<0.01					<0.01
Total Dissolved Solids (mg/L)	500	390	340	280	260	310	310	270	390	300	280	250	250	280	310	270	230	260	270	260
Total Hardness (mg/L)	NS	120	110	110	130	160	150	160	190	120	160	170	180	180	170	220	190	210	210	230
Total Kjeldahl Nitrogen (mg/L)	NS	44	35	28	14	14	15	9.8	8.3	8.3	18	9.4	11	11	2.2 J	6	4.1	3.1	3.3	2.5
Total Organic Carbon (mg/L)	NS	24	21	19	13	14	14	12	13	14	12	11	11	10	11	14	9.9	9.5	10	11
Total Phenols (mg/L)	0.001	0.0038	0.0021	0.0039	<0.002	<0.002	<0.002	<0.05	<0.002	<0.003	<0.003	<0.003	<0.003	<0.003	0.0036	<0.003	<0.003	<0.003	<0.003	<0.003
Part 360 Routine Metals																				
Boron (mg/L)	1			<0.5	<0.5					<0.5					<0.5					<0.5
Cadmium (mg/L)	0.005	<0.01	<0.01	<0.01	<0.01	<0.010	<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
Calcium (mg/L)	NS	31	32	29	33	42	40	41	44	42	41	41	42	42	41	54	49	55	52	64
Iron (mg/L)	0.3*	10	16	14	19	17	15	16	21	23	18	18	21	18	19	52	19	22	27	23
Lead (mg/L)	0.025	0.044	<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	0.011	<0.010	<0.01
Magnesium (mg/L)	35 (GV)	9.3	8.2	8.5	13	14	13	15	19	19	15	16	18	17	16	21	17	18	20	18
Manganese (mg/L)	0.3*	0.4	0.43	0.45	0.71	0.69	<0.01	0.63	0.93	0.98	0.72	0.75	0.92	0.82	0.72	1	0.83	0.94	0.89	0.92
Potassium (mg/L)	NS	74	66	60	53	47	44	19	30	35	40	26	32	25	25	19	17	16	20	18
Sodium (mg/L)	20	5.2	5.1	2.6	2.6	3	2.6	1.8	1.7	2.2	2.2	1.2	1.1	<1	<1	2.1	1.2	1.8	<1.0	1.3
Part 360 Baseline Metals																				
Aluminum (mg/L)	NS			2.5	2.8					0.37					0.56					0.12
Antimony (mg/L)	0.003			<0.01	<0.01					<0.01					<0.01					<0.01
Arsenic (mg/L)	0.025			0.019	<0.01					<0.01					<0.01					<0.01
Barium (mg/L)	1			0.16	<0.2					<0.2					<0.2					<0.1
Beryllium (mg/L)	0.003 (GV)			<0.01	<0.01					<0.01					<0.01					<0.01
Chromium (mg/L)	0.05			<0.01	<0.01					<0.01					<0.01					<0.01
Chromium, Hexavalent (mg/L)	0.05			<0.01	<0.01					<0.01					<0.01					<0.01
Cobalt (mg/L)	NS			<0.01	<0.01					<0.01					<0.01					<0.01
Copper (mg/L)	0.2			<0.01	<0.01					<0.04					<0.01					<0.01
Mercury (mg/L)	0.0007			<0.0002	<0.0002					<0.0002					<0.0002					<0.0002
Nickel (mg/L)	0.1			<0.01	<0.01					<0.01					<0.01					<0.01
Selenium (mg/L)	0.01			<0.01	<0.01					<0.01					<0.01					<0.01
Silver (mg/L)	0.05			<0.01	<0.01					0.05					<0.01					<0.01
Thallium (mg/L)	0.0005 (GV)			<0.01	<0.01					<0.01					<0.01					<0.02
Vanadium (mg/L)	NS			0.014	0.012					<0.01					<0.01					<0.01
Zinc (mg/L)	2			0.018	0.018					0.045					0.027					<0.02
Volatile Organics																				
1,1,1,2-Tetrachloroethane (µg/L)	5			<1	<1					<1.0					<1					<1
1,1,1-Trichloroethane (µg/L)	5			<1	<1					<1.0					<1					<1
1,1,2,2-Tetrachloroethane (µg/L)	5			<1	<1					<1.0					<1					<1
1,1,2-Trichloroethane (µg/L)	1			<1	<1					<1.0					<1					<1
1,1-Dichloroethane (µg/L)	5			<1	<1					<1.0					<1					<1
1,1-Dichloroethene (µg/L)	5			<1	<1					<1.0					<1					<1
1,2,3-Trichloropropane (µg/L)	0.04			<1	<1					<1.0					<1					<1
1,2-Dibromo-3-chloropropane (µg/L)	0.04			<1	<1					<1.0					<1					<1
1,2-Dibromoethane (EDB) (µg/L)	5			<1	<1					<1.0					<1					<1
1,2-Dichlorobenzene (µg/L)	3			<1	<1					<1.0					<1					<1
1,2-Dichloroethane (µg/L)	0.6			<1	<1					<1.0					<1					<1
1,2-Dichloropropane (µg/L)	1			<1	<1					<1.0					<1					<1
1,3-Dichlorobenzene (µg/L)	3																			
1,4-Dichlorobenzene (µg/L)	3			<1	<1					<1.0					<1					<1
2-Butanone (MEK) (µg/L)	50 (GV)			<5	<5					<5.0					<10					<10

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Parameter	NYSDEC	06/28/05	09/27/05	12/06/05	03/28/06	06/28/06	09/26/06	12/13/06	03/15/07	06/21/07	09/25/07	12/17/07	3/27/2008	6/19/2008	9/23/2008	12/15/2008	3/17/2009	6/22/2009	9/25/2009	12/14/2009
2-Hexanone (µg/L)	50 (GV)			<5	<5					<5.0					<10					<10
4-Methyl 2-pentanone (µg/L)	NS			<5	<5					<5.0					<10					<10
Acetone (µg/L)	50 (GV)			<10	<5					<5.0					<10					<10
Acrylonitrile (µg/L)	5			<20	<20					<20					<20					<20
Benzene (µg/L)	1			<1	<1					<1.0					<1					<1
Bromochloromethane (µg/L)	5			<1	<1					<1.0					<1					<1
Bromodichloromethane (µg/L)	50 (GV)			<1	<1					<1.0					<1					<1
Bromoform (µg/L)	50 (GV)			<1	<1					<1.0					<1					<1
Bromomethane (µg/L)	5			<1	<1					<1.0					<1					<1
Carbon disulfide (µg/L)	60 (GV)			<1	<1					<1.0					<1					<1
Carbon tetrachloride (µg/L)	5			<1	<1					<1.0					<1					<1
Chlorobenzene (µg/L)	5			<1	<1					<1.0					<1					<1
Chloroethane (µg/L)	5			<1	<1					<1.0					<1					<1
Chloroform (µg/L)	7			<1	<1					<1.0					<1					<1
Chloromethane (µg/L)	5			<1	<1					<1.0					<1					<1
cis-1,2-Dichloroethene (µg/L)	5			<1	<1					<1.0					<1					<1
cis-1,3-Dichloropropene (µg/L)	0.4**			<1	<1					<1.0					<1					<1
Dibromochloromethane (µg/L)	50 (GV)			<1	<1					<1.0					<1					<1
Dibromomethane (µg/L)	5			<1	<1					<1.0					<1					<1
Ethyl benzene (µg/L)	5			<1	<1					<1.0					<1					<1
Iodomethane (µg/L)	5			<5	<5					<5.0					<5					<5
Methylene Chloride (µg/L)	5			<5	<1					<1.0					<1					<1
Styrene (µg/L)	5			<1	<1					<1.0					<1					<1
Tetrachloroethene (µg/L)	5			<1	<1					<1.0					<1					<1
Toluene (µg/L)	5			<1	<1					<1.0					<1					<1
trans-1,2-Dichloroethene (µg/L)	5			<1	<1					<1.0					<1					<1
trans-1,3-Dichloropropene (µg/L)	0.4**			<1	<1					<1.0					<1					<1
trans-1,4-Dichloro-2-butene (µg/L)	5			<5	<5					<5.0					<5					<5
Trichloroethene (µg/L)	5			<1	<1					<1.0					<1					<1
Trichlorofluoromethane (µg/L)	5			<1	<1					<1.0					<1					<1
Vinyl Acetate (µg/L)	NS			<5	<5					<5.0					<5					<5
Vinyl Chloride (µg/L)	2			<1	<1					<1.0					<1					<1
Xylenes (Total) (µg/L)	5			<1	<1					<1.0					<1					<1

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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
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Parameter	NYSDEC Ground Water Standard	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	3/22/05	6/28/05	9/27/05	12/6/05
Field Parameter																												
Conductivity (µmhos/cm)	NS	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	93	437	1,200	160
pH (s.u.)	6.5 - 8.5	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**	**6.36**	**6.16**	**6.35**	6
Temperature (deg C)	NS	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	4.7		12.5	8
Turbidity (NTU)	5	**137**	77	**87**	**86**	**40**	**79**	**58**	**33**	29	**24**	**19**	**18**	17		**91**	0	**25**	**147**	**116**	**6**	**10**	**341**	**46**	**70**	0	66	**25**	0
Redox	NS																												
Dissolved Oxygen (mg/L)	NS																												
Part 360 Leachate Indicator Parameters																													
Ammonia-Nitrogen (mg/L)	2	**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	0.64	11	**41**	**3**
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	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	<4.0	<10	20	<4
Bromide (mg/L)	2	<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	<0.10	0.12	0.54	<0.1
Chemical Oxygen Demand (mg/L)	NS	540	44	22	110	120	110	160	140	110	**98**	160	88	62	84	230	44	54	75	220	87	74	98	120	130	93	170	350	46
Chloride (mg/L)	250	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	3.7	12	110	4.2
Color (Pt-Co)	15		140					**250**					**300**	**250**					**175**					**550**					**70**
Nitrate-Nitrogen (mg/L)	10	<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	0.14	0.12	<0.1	<0.1
Sulfate (mg/L)	250	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	**4.8**	26	14	**35**
Total Alkalinity (mg/L)	NS	200	120	660	110	99	99	140	100	57	91	170	23	27	48	280	20	24	34	**200**	30	41	54	60	32	40	76	320	24
Total Cyanide (mg/L)	0.2		**<0.01**					<0.01					<0.01	<0.01					<0.01					<0.01					<0.01
Total Dissolved Solids (mg/L)	500	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	100	220	**610**	130
Total Hardness (mg/L)	NS	42	110	94	49	36	41	46	44	31	40	56	42	34	36	77	42	35	35	130	37	36	43	37	34	36	**43**	83	44
Total Kjeldahl Nitrogen (mg/L)	NS	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	1.2	15	37	31
Total Organic Carbon (mg/L)	NS	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	28	44	100	24
Total Phenols (mg/L)	0.001	**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	<0.01	<0.002	<0.002	<0.002
Part 360 Routine Metals																													
Boron (mg/L)	1		<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					<0.5
Cadmium (mg/L)	0.005	<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	<0.01	<0.01	<0.01	<0.01
Calcium (mg/L)	NS	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	8.6	11	23	12
Iron (mg/L)	0.3*	**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**	**5.1**	**5**	**6.9**	**3.6**
Lead (mg/L)	0.025	<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	<0.01	0.012	<0.01	<0.01
Magnesium (mg/L)	35 (GV)	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**	3.5	3.8	5.8	3.6
Manganese (mg/L)	0.3*	**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	0.25	0.28	**0.7**	0.24
Potassium (mg/L)	NS	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	4.5	14	60	8.9
Sodium (mg/L)	20	**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	0.74	9.4	**110**	3.1
Part 360 Additional Basiline Metals																													
Aluminum (mg/L)	NS		2.77					1.8					1.1	1.2					1.4					1.4					0.75
Antimony (mg/L)	0.003		<0.015					<0.01					<0.01	<0.01					<0.01					<0.01					<0.01
Arsenic (mg/L)	0.025		**0.027**					<0.01					<0.01	<0.01					0.011					<0.01					<0.01
Barium (mg/L)	1		0.0855					<0.2					<0.2	<0.2					<0.2					<0.2					<0.1
Beryllium (mg/L)	0.003 (GV)		<0.003					<0.01					<0.01	<0.01					<0.01					<0.01					<0.01
Chromium (mg/L)	0.05		0.0097					<0.01					<0.01	<0.01					<0.01					<0.01					<0.01
Chromium, Hexavalent (mg/L)	0.05		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01					<0.01
Cobalt (mg/L)	NS		<0.02					<0.01					<0.01	<0.01					<0.01					<0.01					<0.01
Copper (mg/L)	0.2		0.0258					<0.01					<0.01	<0.01					<0.01					<0.01					<0.01
Mercury (mg/L)	0.0007		<0.0002					<0.0002					<0.0002	<0.0002					<0.0002					<0.0002					<0.0002
Nickel (mg/L)	0.1		<0.03					0.021					<0.01	<0.01					<0.01					<0.01					<0.01
Selenium (mg/L)	0.01		<0.005					<0.01					<0.01	<0.01					<0.01					<0.01					**0.017**
Silver (mg/L)	0.05		**<0.01**					<0.01					<0.01	<0.01					<0.01					<0.01					<0.01
Thallium (mg/L)	0.0005 (GV)		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01					<0.01
Vanadium (mg/L)	NS		<0.3					0.011					<0.01	<0.01					<0.01					<0.01					<0.01
Zinc (mg/L)	2		0.0508					0.032					0.012	0.024					0.049					0.019					0.016
Part 360 Volatile Organics																													
1,1,1,2-Tetrachloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					**<1**					<1
1,1,1-Trichloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0			<5		<5					<1					<1
1,1,2,2-Tetrachloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0			<5		<5					<1					<1
1,1,2-Trichloroethane (µg/L)	1		<5.0					<5.0					<5.0	<5.0			<5		<5					<1					<1
1,1-Dichloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0			<5		<5					<1					<1
1,1-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0			<5		<5					<1					<1
1,2,3-Trichloropropane (µg/L)	0.04							<5.0					<5.0	<5.0					<5					<1					**<1**
1,2-Dibromo-3-chloropropane (µg/L)	0.04		<10.0					<5.0					<5.0	<5.0					<5					<1					<1
1,2-Dibromoethane (EDB) (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1					<1
1,2-Dichlorobenzene (µg/L)	3		<5.0					<5.0					<5.0	<5.0					<5					<1					<1
1,2-Dichloroethane (µg/L)	0.6		<5.0					<5.0					<5.0	<5.0			<5		<5					**<1**					<1
1,2-Dichloropropane (µg/L)	1		<5.0					<5.0					<5.0	<5.0			<5		<5					**<1**					<1
1,3-Dichlorobenzene (µg/L)	<5		<5.0																										

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

Parameter	NYSDEC Ground Water Standard	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	3/22/05	6/28/05	9/27/05	12/6/05
1,4-Dichlorobenzene (µg/L)	3		<5.0					<5.0					<5.0	<5.0					<5					<1				<1
2-Butanone (MEK) (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10				<5
2-Hexanone (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10				<5
4-Methyl 2-pentanone (µg/L)	NS		<10.0					<10.0					<10.0	<10.0				<10	<10					<10				<5
Acetone (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10				<10
Acrylonitrile (µg/L)	5		<100.0					<20.0					<20.0	<20.0					<20					<5				<20
Benzene (µg/L)	1		<5.0					<5.0					<5.0	<5.0				<5	<5					<1				<1
Bromochloromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1				<1
Bromodichloromethane (µg/L)	50 (GV)		<5.0										<5.0	<5.0				<5	<5					<1				<1
Bromoform (µg/L)	50 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1				<1
Bromomethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1				<1
Carbon disulfide (µg/L)	60 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1				<1
Carbon tetrachloride (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1				<1
Chlorobenzene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1				<1
Chloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1				<1
Chloroform (µg/L)	7		<5.0					<5.0					<5.0	<5.0				<5	<5					<1				<1
Chloromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1				<1
cis-1,2-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1				<1
cis-1,3-Dichloropropene (µg/L)	0.4**		<5.0					<5.0					<5.0	<5.0				<5	<5					<1				<1
Dibromochloromethane (µg/L)	50 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1				<1
Dibromomethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1				<1
Ethyl benzene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1				<1
Iodomethane (µg/L)	5		<5.0					<20.0					<20.0	<10.0					<10					<10				<5
Methylene Chloride (µg/L)	5		<5.0					<10.0					<10.0	<10.0				<10	<10					<10				<5
Styrene (µg/L)	5							<5.0					<5.0	<5.0				<5	<5					<1				<1
Tetrachloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1				<1
Toluene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1				<1
trans-1,2-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1				<1
trans-1,3-Dichloropropene (µg/L)	0.4**		<5.0					<5.0					<5.0	<5.0				<5	<5					<1				<1
trans-1,4-Dichloro-2-butene (µg/L)	5							<50.0					<50.0	<10.0					<10					<10				<5
Trichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1				<1
Trichlorofluoromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1				<1
Vinyl Acetate (µg/L)	NS		<50.0					<20.0					<20.0	<20.0					<20					<5				<5
Vinyl Chloride (µg/L)	2		<5.0					<5.0					<5.0	<5.0				<5	<5					<1				<1
Xylenes (Total) (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1				<1
1,2-Dichloroethene - Total	5																	<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	NYSDEC Ground Water Standard	3/28/06	6/28/06	9/26/06	12/13/06	3/15/07	6/21/07	9/25/07	12/17/07	3/27/2008	6/19/2008	9/23/2008	12/15/2008	3/17/2009	6/22/2009	9/25/2009	12/14/2009
Field Parameter																	
Conductivity (µmhos/cm)	NS	100	210	300	155	83	507	668	140	170	209	504	770	106	88	387	168
pH (s.u.)	6.5 - 8.5	6.5	6.8	6.81	**5.67**	**5.78**	**5.95**	**6.01**	**5.16**	**5.95**	**5.9**	**6.17**	**6.2**	**5.87**	**5.8**	**6.11**	**5.8**
Temperature (deg C)	NS	6	13	13.2	9.2	4.8	11	13	7.7	5	10.6	12.7	7.1	5.7	13.8	12	7.8
Turbidity (NTU)	5	**20**	**18**	-	**6**	0	**13**	**15**	5	9	2	0	**32**	**17**	6	**20**	0
Redox	NS						-108										
Dissolved Oxygen (mg/L)	NS						4.41										
Part 360 Leachate Indicator Parameters																	
Ammonia-Nitrogen (mg/L)	2	1.5	**4.6**	**11**	**5**	**3.3**	**23**	**31**	**3.3**	**3.6**	**7.3**	30	0.87	1.6	0.5	**17**	**12**
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	<4	<4.0	5.5	<4	<20	9.5	17	<4	6.9	<4	13	<4	<4	<4	11	<4.0
Bromide (mg/L)	2	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	0.37	<0.1	<0.1	<0.1	0.2	<0.1	<0.1	<0.1	<0.1	<0.1
Chemical Oxygen Demand (mg/L)	NS	64	100	130	80	75	190	200	55	93	100	210	75	48	8.9	160	50
Chloride (mg/L)	250	3.6	3.8	13	3.8	3.2	**43**	**60**	4.6	5.5	7.6	52	3.4	3.3	2.5	13	3.2
Color (Pt-Co)	15	**150**					**240**					**300**					**60**
Nitrate-Nitrogen (mg/L)	10	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.04	0.15	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sulfate (mg/L)	250	**13**	14	29	**17**	11	24	11	20	23	20	13	28	16	9.7	24	**40**
Total Alkalinity (mg/L)	NS	28	52	100	48	43	130	230	35	58	76	220	38	30	68	100	19
Total Cyanide (mg/L)	0.2	<0.01					<0.01					<0.01					<0.01
Total Dissolved Solids (mg/L)	500	96	160	220	150	120	370	410	96	130	190	**500**	120	90	120	250	130
Total Hardness (mg/L)	NS	32	41	41	39	33	56	55	35	42	38	52	40	34	36	35	53
Total Kjeldahl Nitrogen (mg/L)	NS	1.5	5.8	15	7.2	4.4	23	34	5.8	5.3	1.8	32	3.2	2.4	1.1	20	3.9
Total Organic Carbon (mg/L)	NS	25	42	55	34	33	82	100	29	34	43	90	25	23	22	66	23
Total Phenols (mg/L)	0.001	<0.002	<0.002	<0.002	<0.05	<0.002	<0.003	<0.003	<0.003	**0.0034**	<0.003	**0.0032**	<0.003	<0.003	<0.003	<0.003	<0.003
Part 360 Routine Metals																	
Boron (mg/L)	1	<0.5					0.63					0.9					<0.5
Cadmium (mg/L)	0.005	<0.01	<0.010	<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
Calcium (mg/L)	NS	8.1	11	12	10	8.7	16	17	9.2	11	10	15	10	9	9.4	10	14
Iron (mg/L)	0.3*	**3**	**3.3**	**2.8**	**2.8**	**2.7**	**5.4**	**7.8**	**2.8**	**4.2**	**2.9**	**4.6**	**4.7**	**2.9**	**1.5**	**4**	**2.6**
Lead (mg/L)	0.025	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.015	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01
Magnesium (mg/L)	35 (GV)	2.8	3.4	2.8	3.2	2.7	4.6	3.3	2.8	3.5	3	3.5	3.7	2.9	3.1	2.4	4.4
Manganese (mg/L)	0.3*	0.19	0.22	<0.01	0.2	0.2	**0.44**	**0.51**	0.22	0.29	0.25	**0.38**	0.24	0.22	0.15	0.23	0.24
Potassium (mg/L)	NS	5.7	8.2	29	8.3	7	21	40	8.6	11	11	25	4.4	4.5	2.7	24	6.2
Sodium (mg/L)	20	3	6.3	**26**	3.6	2.4	**36**	**60**	3.6	9	9.2	**42**	2.5	2.7	1.6	**30**	4.1
Part 360 Additional Baseline Metals																	
Aluminum (mg/L)	NS	1.1					1.6					2.6					0.77
Antimony (mg/L)	0.003	<0.01					<0.01					<0.01					<0.01
Arsenic (mg/L)	0.025	<0.01					<0.01					<0.01					<0.01
Barium (mg/L)	1	<0.2					<0.2					<0.2					<0.1
Beryllium (mg/L)	0.003 (GV)	<0.01					<0.01					<0.01					<0.01
Chromium (mg/L)	0.05	<0.01					0.015					<0.01					<0.01
Chromium, Hexavalent (mg/L)	0.05	<0.01					<0.01					<0.01					<0.01
Cobalt (mg/L)	NS	<0.01					<0.01					<0.01					<0.01
Copper (mg/L)	0.2	<0.01					<0.04					<0.01					<0.01
Mercury (mg/L)	0.0007	<0.0002					<0.0002					<0.0002					<0.0002
Nickel (mg/L)	0.1	<0.01					<0.01					0.011					<0.01
Selenium (mg/L)	0.01	<0.01					<0.01					<0.01					<0.01
Silver (mg/L)	0.05	<0.01					**0.052**					<0.01					<0.01
Thallium (mg/L)	0.0005 (GV)	0.02					<0.01					<0.01					<0.02
Vanadium (mg/L)	NS	<0.01					0.012					0.016					<0.01
Zinc (mg/L)	2	<0.01					0.01					0.025					0.025
Part 360 Volatile Organics																	
1,1,1,2-Tetrachloroethane (µg/L)	5	<1					<1.0					<20					<1
1,1,1-Trichloroethane (µg/L)	5	<1					<1.0					<20					<1
1,1,2,2-Tetrachloroethane (µg/L)	5	<1					<1.0					<20					<1
1,1,2-Trichloroethane (µg/L)	1	<1					<1.0					<20					<1
1,1-Dichloroethane (µg/L)	5	<1					<1.0					<20					<1
1,1-Dichloroethene (µg/L)	5	<1					<1.0					<20					<1
1,2,3-Trichloropropane (µg/L)	0.04	<1					<1.0					<20					<1
1,2-Dibromo-3-chloropropane (µg/L)	0.04	<1					<1.0					<20					<1
1,2-Dibromoethane (EDB) (µg/L)	5	<1					<1.0					<20					<1
1,2-Dichlorobenzene (µg/L)	3	<1					<1.0					<20					<1
1,2-Dichloroethane (µg/L)	0.6	<1					<1.0					<20					<1
1,2-Dichloropropane (µg/L)	1	<1					<1.0					<20					<1
1,3-Dichlorobenzene (µg/L)	<5	<1															

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

Parameter	NYSDEC Ground Water Standard	3/28/06	6/28/06	9/26/06	12/13/06	3/15/07	6/21/07	9/25/07	12/17/07	3/27/2008	6/19/2008	9/23/2008	12/15/2008	3/17/2009	6/22/2009	9/25/2009	12/14/2009
1,4-Dichlorobenzene (µg/L)	3						<1.0					<20					<1
2-Butanone (MEK) (µg/L)	50 (GV)	<5					<5.0					<200					<10
2-Hexanone (µg/L)	50 (GV)	<5					<5.0					<200					<10
4-Methyl 2-pentanone (µg/L)	NS	<5					<5.0					<200					<10
Acetone (µg/L)	50 (GV)	<5					<5.0					<200					<10
Acrylonitrile (µg/L)	5	<20					<20					<500					<20
Benzene (µg/L)	1	<1					<1.0					<20					<1
Bromochloromethane (µg/L)	5	<1					<1.0					<20					<1
Bromodichloromethane (µg/L)	50 (GV)	<1					<1.0					<20					<1
Bromoform (µg/L)	50 (GV)	<1					<1.0					<20					<1
Bromomethane (µg/L)	5	<1					<1.0					<20					<1
Carbon disulfide (µg/L)	60 (GV)	<1					<1.0					<20					<1
Carbon tetrachloride (µg/L)	5	<1					<1.0					<20					<1
Chlorobenzene (µg/L)	5	<1					<1.0					<20					<1
Chloroethane (µg/L)	5	<1					<1.0					<20					<1
Chloroform (µg/L)	7	<1					<1.0					<20					<1
Chloromethane (µg/L)	5	<1					<1.0					<20					<1
cis-1,2-Dichloroethene (µg/L)	5	<1					<1.0					<20					<1
cis-1,3-Dichloropropene (µg/L)	0.4**	<1					<1.0					<20					<1
Dibromochloromethane (µg/L)	50 (GV)	<1					<1.0					<20					<1
Dibromomethane (µg/L)	5	<1					<1.0					<20					<1
Ethyl benzene (µg/L)	5	<1					<1.0					<20					<1
Iodomethane (µg/L)	5	<5					<5.0					<100					<5
Methylene Chloride (µg/L)	5	<1					<1.0					<20					<1
Styrene (µg/L)	5	<1					<1.0					<20					<1
Tetrachloroethene (µg/L)	5	<1					<1.0					<20					<1
Toluene (µg/L)	5	<1					<1.0					<20					<1
trans-1,2-Dichloroethene (µg/L)	5	<1					<1.0					<20					<1
trans-1,3-Dichloropropene (µg/L)	0.4**	<1					<1.0					<20					<1
trans-1,4-Dichloro-2-butene (µg/L)	5	<5					<5.0					<100					<5
Trichloroethene (µg/L)	5	<1					<1.0					<20					<1
Trichlorofluoromethane (µg/L)	5	<1					<1.0					<20					<1
Vinyl Acetate (µg/L)	NS	<5					<5.0					<100					<5
Vinyl Chloride (µg/L)	2	<1					<1.0					<20					<1
Xylenes (Total) (µg/L)	5	<1					<1.0					<20					<1
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	NYSDEC Ground Water Standard	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	3/22/05	6/28/05
Field Parameter																											
Conductivity (µmhos/cm)	NS	869	340	308	195	540	230	167	219	456	163	433	227	232	223	112	252	227	208	102	230	306	112	118	276	182	227
pH (s.u.)	6.5 - 8.5	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	7.18	6.66
Temperature (deg C)	NS	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	5.7	
Turbidity (NTU)	5	**64**	**533**	**204**	**162**	**74**	**55**	**198**	**46**	**35**	**42**	**68**	**36**	**47**		**837**	0	**27**	**334**	**202**	**140**	**41**	**150**	**108**	**154**	**8**	**149**
Redox	NS																										
Dissolved Oxygen (mg/L)	NS																										
Part 360 Leachate Indicator Parameters																											
Ammonia-Nitrogen (mg/L)	2	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	0.15	<0.03
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	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	<4.0	<4.0
Bromide (mg/L)	2	<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	<0.1	0.24
Chemical Oxygen Demand (mg/L)	NS	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	18	16
Chloride (mg/L)	250	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	3	2.6
Color (Pt-Co)	15		**110**					**30**					**75**	**150**					**125**					**450**			
Nitrate-Nitrogen (mg/L)	10	<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	0.14	0.13
Sulfate (mg/L)	250	**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	7.3	9
Total Alkalinity (mg/L)	NS	470	170	300	58	260	120	52	47	200	50	190	68	82	80	40	110	97	86	32	100	110	48	38	88	140	24
Total Cyanide (mg/L)	0.2		<0.01										<0.01	<0.01					<0.01					<0.01			
Total Dissolved Solids (mg/L)	500	430	130	230	150	360	730	140	150	300	120	240	200	78	110	180	170	160	170	92	160	180	80	66	90	170	52
Total Hardness (mg/L)	NS	320	130	148	81	228	120	96	110	200	78	230	110	110	93	110	120	130	120	66	110	130	54	52	94	130	31
Total Kjeldahl Nitrogen (mg/L)	NS	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	0.32	0.66
Total Organic Carbon (mg/L)	NS	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	5.6	5.1
Total Phenols (mg/L)	0.001	<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	<0.01	**0.0037**
Part 360 Routine Metals																											
Boron (mg/L)	1		<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			
Cadmium (mg/L)	0.005	<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	<0.01	<0.01
Calcium (mg/L)	NS	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	40	9.3
Iron (mg/L)	0.3*	**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**	**15**	**7.6**
Lead (mg/L)	0.025	<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	<0.01	<0.01
Magnesium (mg/L)	35 (GV)	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	8.1	1.9
Manganese (mg/L)	0.3*	**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**	**1.3**	0.063
Potassium (mg/L)	NS	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	3.3	1.5
Sodium (mg/L)	20	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	<1.0	<1.0
Part 360 Additional Baseline Metals																											
Aluminum (mg/L)	NS		3.2					2					0.41	0.54					0.73					0.44			
Antimony (mg/L)	0.003		<0.015					**0.022**					<0.01	<0.01					<0.01					<0.01			
Arsenic (mg/L)	0.025		0.0138					<0.01					<0.01	0.013					**0.031**					0.013			
Barium (mg/L)	1		0.0655					<0.2					<0.2	<0.2					<0.2					<0.2			
Beryllium (mg/L)	0.003 (GV)		<0.003					<0.01					<0.01	<0.01					<0.01					<0.01			
Chromium (mg/L)	0.05		0.0109					<0.01					<0.01	<0.01					<0.01					<0.01			
Chromium, Hexavalent (mg/L)	0.05		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01			
Cobalt (mg/L)	NS		<0.02					<0.01					<0.01	<0.01					<0.01					<0.01			
Copper (mg/L)	0.2		0.0295					0.014					<0.01	<0.01					<0.01					<0.01			
Mercury (mg/L)	0.0007		<0.0002					**0.0027**					<0.0002	<0.0002					<0.0002					<0.0002			
Nickel (mg/L)	0.1		<0.03					<0.01					<0.01	<0.01					<0.01					<0.01			
Selenium (mg/L)	0.01		<0.005					<0.01					<0.01	<0.01					<0.01					<0.01			
Silver (mg/L)	0.05		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01			
Thallium (mg/L)	0.0005 (GV)		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01			
Vanadium (mg/L)	NS		<0.3					<0.01					<0.01	<0.01					<0.01					<0.01			
Zinc (mg/L)	2		0.0827					0.058					0.013	0.032					0.041					0.017			
Part 360 Volatile Organics																											
1,1,1,2-Tetrachloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1			
1,1,1-Trichloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1			
1,1,2,2-Tetrachloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0			<5		<5					<1			
1,1,2-Trichloroethane (µg/L)	1		<5.0					<5.0					<5.0	<5.0			<5		<5					<1			
1,1-Dichloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0			<5		<5					<1			
1,1-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0			<5		<5					<1			
1,2,3-Trichloropropane (µg/L)	0.04							<5.0					<5.0	<5.0					<5					<1			
1,2-Dibromo-3-chloropropane (µg/L)	0.04		<10.0					<5.0					<5.0	<5.0					<5					<1			
1,2-Dibromoethane (EDB) (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1			
1,2-Dichlorobenzene (µg/L)	3		<5.0					<5.0					<5.0	<5.0					<5					<1			
1,2-Dichloroethane (µg/L)	0.6		<5.0					<5.0					<5.0	<5.0			<5		<5					<1			
1,2-Dichloropropane (µg/L)	1		<5.0					<5.0					<5.0	<5.0			<5		<5					<1			

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

Parameter	NYSDEC Ground Water Standard	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	3/22/05	6/28/05
1,3-Dichlorobenzene (µg/L)	3		<5.0																							
1,4-Dichlorobenzene (µg/L)	3		<5.0					<5.0					<5.0	<5.0					<5					<1		
2-Butanone (MEK) (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		
2-Hexanone (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		
4-Methyl 2-pentanone (µg/L)	NS		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		
Acetone (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		
Acrylonitrile (µg/L)	5		<100.0					<20.0					<20.0	<20.0					<20					<5		
Benzene (µg/L)	1		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Bromochloromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1		
Bromodichloromethane (µg/L)	50 (GV)		<5.0										<5.0	<5.0				<5	<5					<1		
Bromoform (µg/L)	50 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Bromomethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Carbon disulfide (µg/L)	60 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Carbon tetrachloride (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Chlorobenzene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Chloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Chloroform (µg/L)	7		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Chloromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
cis-1,2-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1		
cis-1,3-Dichloropropene (µg/L)	0.4**		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Dibromochloromethane (µg/L)	50 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Dibromomethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1		
Ethyl benzene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Iodomethane (µg/L)	5		<5.0					<20.0					<20.0	<10.0					<10					<10		
Methylene Chloride (µg/L)	5		<5.0					<10.0					<10.0	<10.0				<10	<10					<10		
Styrene (µg/L)	5							<5.0					<5.0	<5.0				<5	<5					<1		
Tetrachloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Toluene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
trans-1,2-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1		
trans-1,3-Dichloropropene (µg/L)	0.4**		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
trans-1,4-Dichloro-2-butene (µg/L)	5							<50.0					<50.0	<10.0					<10					<10		
Trichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Trichlorofluoromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1		
Vinyl Acetate (µg/L)	NS		<50.0					<20.0					<20.0	<20.0					<20					<5		
Vinyl Chloride (µg/L)	2		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Xylenes (Total) (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
1,2-Dichloroethene - Total	5																	<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	NYSDEC Ground Water Standard	9/27/05	12/6/05	3/28/06	6/28/06	9/26/06	12/13/06	3/15/07	6/21/07	9/25/07	12/17/07	3/27/08	6/19//2008	9/23//2008	12/15/2008	3/17/2009	6/22/2009	9/25/2009	12/14/2009
Field Parameter																			
Conductivity (µmhos/cm)	NS	178	550	270	420	102	324	172	109	97	324	326	79	80	324	274	108	81	119
pH (s.u.)	6.5 - 8.5	6.9	**5.9**	6.9	7.2	7.19	**6.45**	**6.38**	6.72	**6.32**	**6.13**	**6.38**	6.75	**6.48**	6.67	**5.92**	**6.13**	**6.13**	**6.4**
Temperature (deg C)	NS	12.5	9	6	11	12	9.4	5.5	9.8	11.1	7.4	5.1	8.7	11.5	7.8	5.1	10.6	10.5	7.9
Turbidity (NTU)	5	**119**	**38**	**50**	**10**	-	**28**	0	**161**	**260**	**15**	**55**	**78**	3	**74**	**121**	**310**	**127**	**22**
Redox	NS								-8										
Dissolved Oxygen (mg/L)	NS								5.14										
Part 360 Leachate Indicator Parameters																			
Ammonia-Nitrogen (mg/L)	2	<0.03	0.82	0.93	0.055	<0.03	0.88	0.28	0.14	<0.03	0.51	0.83	<0.03	<0.03	1.2	0.44	<0.03	<0.030	0.058
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	<4.0	7.6	<4	<4.0	<4	<4	<4	<4	<4	5.2	<5	<4	<4	<4	<4	<4	<4.0	<4.0
Bromide (mg/L)	2	<0.1	<0.1	<0.1	<0.10	<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	<0.1
Chemical Oxygen Demand (mg/L)	NS	15	23	22	8.9	16	23	12	19	30	14	30	<5	7.6	40	14	<5	20	<5.0
Chloride (mg/L)	250	3.1	3.2	3	2.5	2.9	2.7	2.9	2.7	2.2	3	<2	2.7	2.2	3.1	2.6	2.4	2.5	2.4
Color (Pt-Co)	15		**130**	**140**					**100**					**200**					<5
Nitrate-Nitrogen (mg/L)	10	0.23	<0.1	<0.1	<0.10	0.13	<0.1	<0.1	<0.1	<0.1	<0.1	<0.04	0.17	0.18	<0.1	<0.1	<0.1	<0.1	<0.1
Sulfate (mg/L)	250	7.6	12	14	8.6	8.8	8.1	9.4	8.2	7.3	6	8.3	6.6	6.7	6.8	7.9	8.1	6.9	5.6
Total Alkalinity (mg/L)	NS	64	230	110	44	52	150	78	56	44	170	150	37	240	200	140	120	78	60
Total Cyanide (mg/L)	0.2		<0.01	<0.01					<0.01					<0.01					<0.01
Total Dissolved Solids (mg/L)	500	90	290	170	66	120	210	140	86	74	210	160	82	92	170	120	48	48	<10
Total Hardness (mg/L)	NS	84	230	130	55	49	150	78	110	45	160	140	42	41	150	110	18	34	68
Total Kjeldahl Nitrogen (mg/L)	NS	0.39	1.1	0.8	0.23	0.48	1.1	0.51	0.37	0.42	1.2	1.8	1.4	0.34	2.8	0.77	0.25	0.66	0.23
Total Organic Carbon (mg/L)	NS	5.4	9.7	9.4	4.7	4.3	7.2	4.2	5	12	7.8	7.8	3.9	4.6	4.7	6.9	5.7	3.9	5.1
Total Phenols (mg/L)	0.001	<0.002	**0.0035**	**0.0021**	**0.0032**	<0.002	<0.05	<0.002	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003
Part 360 Routine Metals																			
Boron (mg/L)	1		<0.5	<0.5					<0.5					<0.5					<0.5
Cadmium (mg/L)	0.005	<0.01	<0.01	<0.01	<0.010	<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
Calcium (mg/L)	NS	24	71	42	16	15	47	23	16	13	48	43	13	12	45	35	4.6	9.6	20
Iron (mg/L)	0.3*	**24**	**19**	**11**	**2.6**	**2.8**	**12**	**4.8**	**13**	**65**	**12**	**9.1**	**5.9**	**6.4**	**17**	**11**	**1**	**12**	**6.6**
Lead (mg/L)	0.025	<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	<0.010	<0.01
Magnesium (mg/L)	35 (GV)	5.7	12	6.6	3.7	2.9	9	4.9	3.8	2.9	8.8	7.4	2.6	2.6	9	6.5	1.5	2.4	4.3
Manganese (mg/L)	0.3*	**0.82**	**1.6**	**0.52**	**0.32**	<0.01	**0.88**	**0.49**	**0.44**	**0.34**	**0.96**	**0.89**	**0.32**	**0.4**	**1.1**	**1.1**	0.02	0.16	**0.64**
Potassium (mg/L)	NS	3.2	5.4	4	1.7	1.8	2.5	1.9	1.8	1.6	4.2	3.8	1.5	1.6	3.9	2.6	<1	1.2	2
Sodium (mg/L)	20	1.1	2	1.5	<1.0	<1	1.2	1.2	1	1.5	1.3	1.1	1	<1	1.6	<1	<1	<1.0	<1.0
Part 360 Additional Baseline Metals																			
Aluminum (mg/L)	NS		0.14	0.35					0.64					1.2					0.15
Antimony (mg/L)	0.003		<0.01	<0.01					<0.01					<0.01					<0.01
Arsenic (mg/L)	0.025		<0.02	<0.01					<0.01					<0.01					<0.01
Barium (mg/L)	1		0.14	<0.2					<0.2					<0.2					<0.1
Beryllium (mg/L)	0.003 (GV)		<0.01	<0.01					<0.01					<0.01					<0.01
Chromium (mg/L)	0.05		<0.01	<0.01					<0.01					<0.01					<0.01
Chromium, Hexavalent (mg/L)	0.05		<0.01	<0.01					<0.01					<0.01					<0.01
Cobalt (mg/L)	NS		<0.01	<0.01					<0.01					<0.01					<0.01
Copper (mg/L)	0.2		<0.01	<0.01					<0.04					<0.01					<0.01
Mercury (mg/L)	0.0007		<0.0002	<0.0002					<0.0002					<0.0002					<0.0002
Nickel (mg/L)	0.1		<0.01	<0.01					<0.01					<0.01					<0.01
Selenium (mg/L)	0.01		<0.01	<0.01					<0.01					<0.01					<0.01
Silver (mg/L)	0.05		<0.01	<0.01					0.049					<0.01					<0.01
Thallium (mg/L)	0.0005 (GV)		<0.01	<0.01					<0.01					<0.01					<0.02
Vanadium (mg/L)	NS		<0.01	<0.01					<0.01					<0.01					<0.01
Zinc (mg/L)	2		<0.01	0.015					0.023					0.022					<0.02
Part 360 Volatile Organics																			
1,1,1,2-Tetrachloroethane (µg/L)	5		<1	<1					<1.0					<1					<1
1,1,1-Trichloroethane (µg/L)	5		<1	<1					<1.0					<1					<1
1,1,2,2-Tetrachloroethane (µg/L)	5		<1	<1					<1.0					<1					<1
1,1,2-Trichloroethane (µg/L)	1		<1	<1					<1.0					<1					<1
1,1-Dichloroethane (µg/L)	5		<1	<1					<1.0					<1					<1
1,1-Dichloroethene (µg/L)	5		<1	<1					<1.0					<1					<1
1,2,3-Trichloropropane (µg/L)	0.04		<1	<1					<1.0					<1					<1
1,2-Dibromo-3-chloropropane (µg/L)	0.04		<1	<1					<1.0					<1					<1
1,2-Dibromoethane (EDB) (µg/L)	5		<1	<1					<1.0					<1					<1
1,2-Dichlorobenzene (µg/L)	3		<1	<1					<1.0					<1					<1
1,2-Dichloroethane (µg/L)	0.6		<1	<1					<1.0					<1					<1
1,2-Dichloropropane (µg/L)	1		<1	<1					<1.0					<1					<1

City of Rome
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Parameter	NYSDEC Ground Water Standard	9/27/05	12/6/05	3/28/06	6/28/06	9/26/06	12/13/06	3/15/07	6/21/07	9/25/07	12/17/07	3/27/08	6/19//2008	9/23//2008	12/15/2008	3/17/2009	6/22/2009	9/25/2009	12/14/2009
1,3-Dichlorobenzene (µg/L)	3			<1										<1					
1,4-Dichlorobenzene (µg/L)	3		<1						<1.0					<10					<1
2-Butanone (MEK) (µg/L)	50 (GV)		<5	<5					<5.0					<10					<10
2-Hexanone (µg/L)	50 (GV)		<5	<5					<5.0					<10					**<10**
4-Methyl 2-pentanone (µg/L)	NS		<5	<5					<5.0					<20					<10
Acetone (µg/L)	50 (GV)		<10	<5					<5.0					<1					<10
Acrylonitrile (µg/L)	5		<20	<20					<20					<1					<20
Benzene (µg/L)	1		<1	<1					<1.0					<1					<1
Bromochloromethane (µg/L)	5		<1	<1					<1.0					<1					<1
Bromodichloromethane (µg/L)	50 (GV)		<1	<1					<1.0					<1					<1
Bromoform (µg/L)	50 (GV)		<1	<1					<1.0					<1					<1
Bromomethane (µg/L)	5		<1	<1					<1.0					<1					<1
Carbon disulfide (µg/L)	60 (GV)		<1	<1					<1.0					<1					<1
Carbon tetrachloride (µg/L)	5		<1	<1					<1.0					<1					<1
Chlorobenzene (µg/L)	5		<1	<1					<1.0					<1					**<1**
Chloroethane (µg/L)	5		<1	<1					<1.0					<1					**<1**
Chloroform (µg/L)	7		<1	<1					<1.0					<1					<1
Chloromethane (µg/L)	5		<1	<1					<1.0					<1					<1
cis-1,2-Dichloroethene (µg/L)	5		<1	<1					<1.0					<1					<1
cis-1,3-Dichloropropene (µg/L)	0.4**		<1	<1					<1.0					<1					<1
Dibromochloromethane (µg/L)	50 (GV)		<1	<1					<1.0					<1					<1
Dibromomethane (µg/L)	5		<1	<1					<1.0					<5					<1
Ethyl benzene (µg/L)	5		<1	<1					<1.0					<1					<1
Iodomethane (µg/L)	5		<5	<5					<5.0					<1					<5
Methylene Chloride (µg/L)	5		<5	<1					<1.0					<1					**<1**
Styrene (µg/L)	5		<1	<1					<1.0					<1					<1
Tetrachloroethene (µg/L)	5		<1	<1					<1.0					<1					<1
Toluene (µg/L)	5		<1	<1					<1.0					<1					<1
trans-1,2-Dichloroethene (µg/L)	5		<1	<1					<1.0					<5					<1
trans-1,3-Dichloropropene (µg/L)	0.4**		<1	<1					<1.0					<1					<1
trans-1,4-Dichloro-2-butene (µg/L)	5		<5	<5					<5.0					<1					<5
Trichloroethene (µg/L)	5		<1	<1					<1.0					<5					<1
Trichlorofluoromethane (µg/L)	5		<1	<1					<1.0					<1					**<1**
Vinyl Acetate (µg/L)	NS		<5	<5					<5.0					<1					<5
Vinyl Chloride (µg/L)	2		<1	<1					<1.0										<1
Xylenes (Total) (µg/L)	5		<1	<1					<1.0										<1
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	NYSDEC Ground Water Standard	Mar-99	Jun-99	Sep-99	Dec-99	Mar-00	Jun-00	Sep-00	Dec-00	Mar-01	Jun-01	Sep-01	Dec-01	Mar-02	Jun-02	Sep-02	Dec-02	Mar-03	Jun-03	Sep-03	Dec-03	Mar-04	Jun-04	Sep-04	Dec-04	Mar-05	Jun-05	Sep-05	Dec-05
Field Parameters																													
Conductivity (µmhos/cm)	NS	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	785	1,131	434	730
pH (s.u.)	6.5 - 8.5	**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**	**6.25**	**6.4**	7.05	**6.1**
Temperature (deg C)	NS	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	8.7		10.8	9
Turbidity (NTU)	5	**160**	**42**	**94**	**247**	**128**	**83**	**98**	**62**	**97**	**112**	**152**	**53**	**29**		**345**	**61**	**69**	**999**	**128**	**30**	59	**150**	**165**	**200**	**70**	**151**	**104**	**98**
Redox	NS																												
Dissolved Oxygen (mg/L)	NS																												
Part 360 Leachate Indicator Parameters																													
Ammonia-Nitrogen (mg/L)	2	**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**	**26**	**11**	**17**	**22**
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	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	6.2	<10	13	<4
Bromide (mg/L)	**2**	<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	0.4	0.22	0.15	<0.1
Chemical Oxygen Demand (mg/L)	NS	570	140	14	110	120	150	140	120	140	120	120	120	130	130	150	100	120	150	120	76	110	550	130	59	109	76	83	93
Chloride (mg/L)	250	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	36	7.6	15	24
Color (Pt-Co)	15		**280**					**750**					**850**	**750**					**600**					**675**					**350**
Nitrate-Nitrogen (mg/L)	10	<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	0.16	0.18	0.19	<0.1
Sulfate (mg/L)	250	<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	15	7.5	5.9	5
Total Alkalinity (mg/L)	NS	670	370	710	470	450	680	460	440	430	470	430	390	460	470	160	360	390	410	340	120	320	330	290	150	320	140	230	300
Total Cyanide (mg/L)	0.2		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01					<0.01
Total Dissolved Solids (mg/L)	500	**540**	**540**	**710**	**660**	**610**	**400**	**590**	**600**	**670**	**570**	480	**650**	**720**	**650**	420	**520**	**580**	**640**	**580**	240	**510**	440	420	240	460	280	280	360
Total Hardness (mg/L)	NS	300	260	350	310	244	390	320	270	280	270	260	250	270	280	140	240	270	270	310	97	230	220	200	90	180	140	150	200
Total Kjeldahl Nitrogen (mg/L)	NS	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	21	11	13	19
Total Organic Carbon (mg/L)	NS	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	38	26	25	38
Total Phenols (mg/L)	0.001	**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	<0.01	**0.0047**	**0.0041**	**0.0044**
Part 360 Routine Metals																													
Boron (mg/L)	1		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					0.55
Cadmium (mg/L)	0.005	<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	<0.01	<0.01	<0.01	<0.01
Calcium (mg/L)	NS	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	45	32	33	**51**
Iron (mg/L)	0.3*	**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**	**27**	**26**	**24**	**27**
Lead (mg/L)	0.025	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	<0.01	**0.032**	**0.028**	<0.01
Magnesium (mg/L)	35 (GV)	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	17	14	16	17
Manganese (mg/L)	0.3*	**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**	**0.55**	**0.61**	**0.59**	**0.62**
Potassium (mg/L)	NS	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	28	19	20	26
Sodium (mg/L)	20	**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	**33**	7.4	19	**25**
Part 360 Additional Baseline Metals																													
Aluminum (mg/L)	NS		0.439					1					1.2	0.83					2.3					1.1					1.4
Antimony (mg/L)	0.003		<0.015					**0.034**					<0.01	<0.01					<0.01					<0.01					<0.01
Arsenic (mg/L)	0.025		<0.01					0.011					<0.01	<0.01					**0.026**					0.011					0.024
Barium (mg/L)	1		0.217					<0.2					0.43	0.49					0.61					0.23					0.22
Beryllium (mg/L)	0.003 (GV)		<0.003					<0.01					<0.01	<0.01					<0.01					<0.01					<0.01
Chromium (mg/L)	0.05		<0.005					<0.01					<0.01	<0.01					<0.01					<0.01					<0.01
Chromium, Hexavalent (mg/L)	0.05		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01					<0.01
Cobalt (mg/L)	NS		<0.02					<0.01					<0.01	<0.01					<0.01					<0.01					<0.01
Copper (mg/L)	0.2		<0.01					<0.01					0.022	<0.01					<0.01					<0.01					<0.01
Mercury (mg/L)	0.0007		<0.0002					<0.0002					<0.0002	<0.0002					<0.0002					<0.0002					<0.0002
Nickel (mg/L)	0.1		<0.03					<0.01					<0.01	<0.01					<0.01					0.046					<0.01
Selenium (mg/L)	0.01		<0.005					<0.01					<0.01	<0.01					<0.01					<0.01					<0.01
Silver (mg/L)	0.05		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01					<0.01
Thallium (mg/L)	0.0005 (GV)		**0.0105**					<0.01					<0.01	<0.01					<0.01					<0.01					<0.01
Vanadium (mg/L)	NS		<0.3					0.013					0.013	0.01					0.018					0.016					0.029
Zinc (mg/L)	2		0.056					0.067					0.036	0.034					0.097					0.041					0.029
Part 360 Volatile Organics																													
1,1,1,2-Tetrachloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1					<1
1,1,1-Trichloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
1,1,2,2-Tetrachloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
1,1,2-Trichloroethane (µg/L)	1		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
1,1-Dichloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
1,1-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1

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

Parameter	NYSDEC Ground Water Standard	Mar-99	Jun-99	Sep-99	Dec-99	Mar-00	Jun-00	Sep-00	Dec-00	Mar-01	Jun-01	Sep-01	Dec-01	Mar-02	Jun-02	Sep-02	Dec-02	Mar-03	Jun-03	Sep-03	Dec-03	Mar-04	Jun-04	Sep-04	Dec-04	Mar-05	Jun-05	Sep-05	Dec-05
1,2,3-Trichloropropane (µg/L)	0.04							<5.0					<5.0	<5.0					<5					<1					<1
1,2-Dibromo-3-chloropropane (µg/L)	0.04		<10.0					<5.0					<5.0	<5.0					<5					<1					<1
1,2-Dibromoethane (EDB) (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1					<1
1,2-Dichlorobenzene (µg/L)	3		<5.0					<5.0					<5.0	<5.0					<5					<1					<1
1,2-Dichloroethane (µg/L)	0.6		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
1,2-Dichloropropane (µg/L)	1		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
1,3-Dichlorobenzene (µg/L)	3		<5.0																										
1,4-Dichlorobenzene (µg/L)	**3**		<5.0					<5.0					<5.0	<5.0					<5					<1					<1
2-Butanone (MEK) (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10					<5
2-Hexanone (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10					<5
4-Methyl 2-pentanone (µg/L)	NS		<10.0					<10.0					<10.0	<10.0				<10	<10					<10					<5
Acetone (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				10	<10					<10					<10
Acrylonitrile (µg/L)	5		<100.0					<20.0					<20.0	<20.0					<20					<5					<20
Benzene (µg/L)	1		<5.0					**14**					**17**	**24**				**15**	**16**					**4.3**					**6.3**
Bromochloromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1					<1
Bromodichloromethane (µg/L)	50 (GV)		<5.0										<5.0	<5.0				<5	<5					<1					<1
Bromoform (µg/L)	50 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
Bromomethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
Carbon disulfide (µg/L)	60 (GV)		<18.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
Carbon tetrachloride (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
Chlorobenzene (µg/L)	5		**23**					**8.4**					**5.8**	**5.3**				<5	<5					4.4					4.1
Chloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
Chloroform (µg/L)	7		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
Chloromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
cis-1,2-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1					<1
cis-1,3-Dichloropropene (µg/L)	0.4**		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
Dibromochloromethane (µg/L)	50 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
Dibromomethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1					<1
Ethyl benzene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
Iodomethane (µg/L)	5		<5.0					<20.0					<20.0	<10.0					<10					<10					<5
Methylene Chloride (µg/L)	5		<5.0					<10.0					<10.0	<10.0				<10	<10					<10					<5
Styrene (µg/L)	5							<5.0					<5.0	<5.0				<5	<5					<1					<1
Tetrachloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
Toluene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
trans-1,2-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1					<1
trans-1,3-Dichloropropene (µg/L)	0.4**		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
trans-1,4-Dichloro-2-butene (µg/L)	5							<50.0					<50.0	<10.0					<10					<10					<5
Trichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
Trichlorofluoromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1					<1
Vinyl Acetate (µg/L)	NS		<50.0					<20.0					<20.0	<20.0					<20					<5					<5
Vinyl Chloride (µg/L)	2		<5.0					<5.0					<5.0	<5.0				<5	<5					<1					<1
Xylenes (Total) (µg/L)	5		2					**16**					**130**	**180**				**160**	**97**					**<1**					**110**
1,2-Dichloroethene - Total	5																	<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
7) J indicates estimated concentration due to QC sample recovery

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

Parameter	NYSDEC Ground Water Standard	Mar-06	Jun-06	Sep-06	Dec-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Mar-09	Jun-09	Sep-09	Dec-09
Field Parameters																	
Conductivity (µmhos/cm)	NS	710	450	670	684	1,020	650	287	581	656	551	649	633	327	407	258	632
pH (s.u.)	6.5 - 8.5	6.8	7.2	7.25	**6.33**	**6.27**	6.53	6.75	**6.14**	6.73	**6.36**	**6.09**	7.08	**6.16**	**6.34**	**6.08**	**5.8**
Temperature (deg C)	NS	10	12	11	10.1	8.7	10.8	12	9.1	9.5	10.7	10.2	9.4	10.1	13	10.5	9.7
Turbidity (NTU)	5	**78**	**67**	-	**40**	**0**	**76**	**33**	**43**	**36**	**59**	0	**215**	79	**56**	**9**	0
Redox	NS						-89										
Dissolved Oxygen (mg/L)	NS						3.95										
Part 360 Leachate Indicator Parameters																	
Ammonia-Nitrogen (mg/L)	2	**31**	**21**	**24**	**26**	**28**	**24**	**3.9**	**20**	**27**	**18**	**35 J**	**6.2**	**18**	**7.7**	1.5	1.8
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	7.7	8	<4	<10	180	5.2	<4	8	7.8	6.1	9.5	<10	8.4	<4	<4.0	<4.0
Bromide (mg/L)	2	0.3	<0.10	0.32	<0.1	0.55	<0.1	<0.1	0.25	0.26	0.27	0.29	<0.1	<0.1	<0.1	<0.1	<0.1
Chemical Oxygen Demand (mg/L)	NS	110	110	110	110	100	100	12	93	**68**	75	73	80	75	67	56	62
Chloride (mg/L)	250	33	28	29	35	47	31	3.6	22	31	23	29	5.2	20	5.5	4	<1.0
Color (Pt-Co)	15	**750**					**400**					**400**					12
Nitrate-Nitrogen (mg/L)	10	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.04	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Sulfate (mg/L)	250	4.8	2.8	4.4	5.2	5.9	5.6	7.7	3.6	2.1	3.3	3.2	1.9	3.4	5.2	7.8	<1.0
Total Alkalinity (mg/L)	NS	350	320	320	340	420	330	120	330	370	300	370	210	320	220	150	300
Total Cyanide (mg/L)	0.2	<0.01					<0.01					<0.01					<0.01
Total Dissolved Solids (mg/L)	500	430	400	430	440	490	420	190	340	390	370	470	280	340	320	250	330
Total Hardness (mg/L)	NS	210	180	210	210	220	160	100	180	210	460	190	170	190	160	150	190
Total Kjeldahl Nitrogen (mg/L)	NS	19	19	25	24	30	25	4.6	21	28	2	33	9.5	21	8.6	5.4	18
Total Organic Carbon (mg/L)	NS	41	38	43	39	42	40	25	36	36	34	34 J	33	37	34	26	34
Total Phenols (mg/L)	0.001	**0.0021**	**0.0052**	**0.0021**	<0.05	<0.002	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	<0.003	**0.099 J**	<0.003	<0.003
Part 360 Routine Metals																	
Boron (mg/L)	1	0.83					0.73					0.73					<0.5
Cadmium (mg/L)	0.005	<0.01	<0.010	<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
Calcium (mg/L)	NS	52	46	54	53	56	43	24	49	54	130	53	45	50	45	41	51
Iron (mg/L)	0.3*	**31**	**27**	**28**	**27**	**30**	**25**	19	**25**	**29**	**23**	**27**	**21**	**25**	**22**	**20**	**25**
Lead (mg/L)	0.025	<0.01	0.01	0.012	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	0.013	0.019	<0.010	<0.01
Magnesium (mg/L)	35 (GV)	20	17	17	19	20	16	10	15	18	33	16	14	15	12	12	15
Manganese (mg/L)	0.3*	**0.65**	**0.57**	<0.01	**0.64**	**0.6**	**0.52**	**0.62**	**0.6**	**0.61**	**1.8**	**0.59**	**0.81**	**0.63**	**0.66**	**0.86**	**0.61**
Potassium (mg/L)	NS	34	26	29	14	31	27	7.9	23	34	4.4	26	10	23	12	7.8	24
Sodium (mg/L)	20	**36**	**28**	**50**	**32**	**38**	**29**	3.3	**24**	**32**	**36**	**24**	4.9	18	8.5	3.5	17
Part 360 Additional Baseline Metals																	
Aluminum (mg/L)	NS	2.6					1.4					2					0.88
Antimony (mg/L)	0.003	<0.01					<0.01					<0.01					<0.01
Arsenic (mg/L)	0.025	<0.01					<0.01					<0.01					<0.01
Barium (mg/L)	1	0.31					<0.2					0.24					0.17
Beryllium (mg/L)	0.003 (GV)	<0.01					<0.01					<0.01					<0.01
Chromium (mg/L)	0.05	<0.01					0.026					<0.01					<0.01
Chromium, Hexavalent (mg/L)	0.05	<0.01					<0.01					<0.01					<0.01
Cobalt (mg/L)	NS	<0.01					<0.01					<0.01					<0.01
Copper (mg/L)	0.2	<0.01					<0.04					<0.01					<0.01
Mercury (mg/L)	0.0007	<0.0002					<0.0002					<0.0002					<0.0002
Nickel (mg/L)	0.1	<0.01					<0.01					<0.01					<0.01
Selenium (mg/L)	0.01	<0.01					<0.01					<0.01					<0.01
Silver (mg/L)	0.05	<0.01					<0.01					<0.01					<0.01
Thallium (mg/L)	0.0005 (GV)	<0.01					<0.01					<0.01					<0.02
Vanadium (mg/L)	NS	0.013					0.015					0.013					0.011
Zinc (mg/L)	2	0.029					0.058					0.031					0.021
Part 360 Volatile Organics																	
1,1,1,2-Tetrachloroethane (µg/L)	5	<1					<1.0					<1					<1
1,1,1-Trichloroethane (µg/L)	5	<1					<1.0					<1					<1
1,1,2,2-Tetrachloroethane (µg/L)	5	<1					<1.0					<1					<1
1,1,2-Trichloroethane (µg/L)	1	<1					<1.0					<1					<1
1,1-Dichloroethane (µg/L)	5	<1					<1.0					<1					<1
1,1-Dichloroethene (µg/L)	5	<1					<1.0					<1					<1

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

Parameter	NYSDEC Ground Water Standard	Mar-06	Jun-06	Sep-06	Dec-06	Mar-07	Jun-07	Sep-07	Dec-07	Mar-08	Jun-08	Sep-08	Dec-08	Mar-09	Jun-09	Sep-09	Dec-09
1,2,3-Trichloropropane (µg/L)	0.04	<1					<1.0					<1					<1
1,2-Dibromo-3-chloropropane (µg/L)	0.04	<1					<1.0					<1					<1
1,2-Dibromoethane (EDB) (µg/L)	5	<1					<1.0					<1					<1
1,2-Dichlorobenzene (µg/L)	3	<1					<1.0					<1					<1
1,2-Dichloroethane (µg/L)	0.6	<1					<1.0					<1					<1
1,2-Dichloropropane (µg/L)	1	<1					<1.0					<1					<1
1,3-Dichlorobenzene (µg/L)	3																<1
1,4-Dichlorobenzene (µg/L)	3	<1					<1.0					<1					<10
2-Butanone (MEK) (µg/L)	50 (GV)	<5					<5.0					<10					<10
2-Hexanone (µg/L)	50 (GV)	<5					<5.0					<10					<10
4-Methyl 2-pentanone (µg/L)	NS	<5					<5.0					<10					<10
Acetone (µg/L)	50 (GV)	<5					<5.0					<10					<20
Acrylonitrile (µg/L)	5	<40					<40					<20					**5.1**
Benzene (µg/L)	1	**8.7**					**7.5**					**6**					<1
Bromochloromethane (µg/L)	5	<1					<1.0					<1					<1
Bromodichloromethane (µg/L)	50 (GV)	<1					<1.0					<1					<1
Bromoform (µg/L)	50 (GV)	<1					<1.0					<1					<1
Bromomethane (µg/L)	5	<1					<1.0					<1					<1
Carbon disulfide (µg/L)	60 (GV)	<1					<1.0					<1					<1
Carbon tetrachloride (µg/L)	5	<1					<1.0					<1					2.7
Chlorobenzene (µg/L)	5	3.9					3.2					<1					<1
Chloroethane (µg/L)	5	<1					<1.0					<1					<1
Chloroform (µg/L)	7	<1					<1.0					<1					<1
Chloromethane (µg/L)	5	<1					<1.0					<1					<1
cis-1,2-Dichloroethene (µg/L)	5	<1					<1.0					<1					<1
cis-1,3-Dichloropropene (µg/L)	0.4**	<1					<1.0					<1					<1
Dibromochloromethane (µg/L)	50 (GV)	<1					<1.0					<1					<1
Dibromomethane (µg/L)	5	<1					<1.0					<1					<1
Ethyl benzene (µg/L)	5	<1					<1.0					<1					<5
Iodomethane (µg/L)	5	<10					<1.0					<5					<1
Methylene Chloride (µg/L)	5	<1					<1.0					<1					<1
Styrene (µg/L)	5	<1					<1.0					<1					<1
Tetrachloroethene (µg/L)	5	<1					<1.0					<1					<1
Toluene (µg/L)	5	<1					<1.0					<1					<1
trans-1,2-Dichloroethene (µg/L)	5	<1					<1.0					<1					<1
trans-1,3-Dichloropropene (µg/L)	0.4**	<1					<1.0					<1					<5
trans-1,4-Dichloro-2-butene (µg/L)	5	<10					<1.0					<5					<1
Trichloroethene (µg/L)	5	<1					<1.0					<1					<1
Trichlorofluoromethane (µg/L)	5	<1					<1.0					<1					<5
Vinyl Acetate (µg/L)	NS	<10					<1.0					<5					<1
Vinyl Chloride (µg/L)	2	<1					<1.0					<1					**44**
Xylenes (Total) (µg/L)	5	**190**					72					**80**					
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
7) J indicates estimated concentration due to QC sample recovery

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

Parameter	NYSDEC Ground Water Standard	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	3/22/05
Field Parameters																										
Conductivity (µmhos/cm)	NS	485	398	369	411	413	414	411	411	419	365	390	408	435	415	377	410	423	385	392	480	413	365	394	410	308
pH (s.u.)	6.5 - 8.5	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	7.57
Temperature (deg C)	NS	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	6.6
Turbidity (NTU)	5	**999**	**324**	**659**	**999**	**999**	**999**	**999**	**999**	**999**	**704**	**241**	**466**	**460**	**501**	**999**	**506**	**218**	**999**	**614**	**50**	**492**	**999**	**331**	**290**	**512**
Part 360 Leachate Indicator Parameters																										
Ammonia-Nitrogen (mg/L)	2	<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	0.24
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	<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	4.3
Bromide (mg/L)	2	<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	<0.100
Chemical Oxygen Demand (mg/L)	NS	160	120	26	76	64	74	160	120	96	120	72	75	290	75	87	64	57	120	67	75	120	120	79	86	140
Chloride (mg/L)	250	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	3.1
Color (Pt-Co)	15		**530**					**400**					600	**850**					**750**					**700**		
Nitrate-Nitrogen (mg/L)	10	<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	0.15
Sulfate (mg/L)	250	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	2.3
Total Alkalinity (mg/L)	NS	230	260	1400	260	270	240	270	280	230	260	240	210	240	250	230	250	240	250	220	240	220	240	210	18	220
Total Cyanide (mg/L)	0.2		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01		
Total Dissolved Solids (mg/L)	500	420	260	360	340	340	390	420	400	360	380	240	430	360	340	330	380	390	360	340	320	360	250	370	290	350
Total Hardness (mg/L)	NS	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	440
Total Kjeldahl Nitrogen (mg/L)	NS	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	0.96
Total Organic Carbon (mg/L)	NS	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	26
Total Phenols (mg/L)	0.001	<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	<0.010
Part 360 Routine Metals																										
Boron (mg/L)	1		<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		
Cadmium (mg/L)	0.005	**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	<0.010
Calcium (mg/L)	NS	307	142	142	138	138	160	190	180	300	88	120	110	130	100	170	200	100	110	120	50	180	120	84	38	120
Iron (mg/L)	0.3*	**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**	**23**
Lead (mg/L)	0.025	**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	<0.010
Magnesium (mg/L)	35 (GV)	**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	33
Manganese (mg/L)	0.3*	**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	**1.6**
Potassium (mg/L)	NS	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	5.3
Sodium (mg/L)	20	**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**	**48**
Part 360 Additional Baseline Metals																										
Aluminum (mg/L)	NS		23.9					<0.01					12	12					18					1.4		
Antimony (mg/L)	0.003		<0.015					**0.048**					<0.01	<0.01					<0.01					<0.01		
Arsenic (mg/L)	0.025		<0.01					<0.01					0.016	0.019					**0.035**					<0.01		
Barium (mg/L)	1		0.201					0.23					<0.2	<0.2					0.2					<0.2		
Beryllium (mg/L)	0.003 (GV)		<0.003					<0.01					<0.01	<0.01					<0.01					<0.01		
Chromium (mg/L)	0.05		**0.0592**					<0.01					0.02	0.022					0.033					<0.01		
Chromium, Hexavalent (mg/L)	0.05		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01		
Cobalt (mg/L)	NS		<0.02					0.024					<0.01	<0.01					0.014					<0.01		
Copper (mg/L)	0.2		0.0845					0.092					0.036	0.027					0.085					<0.01		
Mercury (mg/L)	0.0007		<0.0002					<0.0002					<0.0002	<0.0002					<0.0002					<0.0002		
Nickel (mg/L)	0.1		0.0726					0.071					0.027	0.034					0.042					0.014		
Selenium (mg/L)	0.01		<0.005					<0.01					<0.01	<0.01					<0.01					<0.01		
Silver (mg/L)	0.05		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01		
Thallium (mg/L)	0.0005 (GV)		<0.01					<0.01					<0.01	<0.01					<0.01					<0.01		
Vanadium (mg/L)	NS		0.047					0.048					0.023	0.024					0.037					<0.01		
Zinc (mg/L)	2		0.184					0.2					0.063	0.081					0.13					0.022		
Part 360 Volatile Organics																										
1,1,1,2-Tetrachloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1		
1,1,1-Trichloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0			<5		<5					<1		
1,1,2,2-Tetrachloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0			<5		<5					<1		
1,1,2-Trichloroethane (µg/L)	1		<5.0					<5.0					<5.0	<5.0			<5		<5					<1		
1,1-Dichloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0			<5		<5					<1		
1,1-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0			<5		<5					<1		
1,2,3-Trichloropropane (µg/L)	0.04							<5.0					<5.0	<5.0					<5					<1		
1,2-Dibromo-3-chloropropane (µg/L)	0.04		<10.0					<5.0					<5.0	<5.0					<5					<1		
1,2-Dibromoethane (EDB) (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1		
1,2-Dichlorobenzene (µg/L)	3		<5.0					<5.0					<5.0	<5.0					<5					<1		
1,2-Dichloroethane (µg/L)	0.6		<5.0					<5.0					<5.0	<5.0			<5		<5					<1		

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

Parameter	NYSDEC Ground Water Standard	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	3/22/05
1,2-Dichloropropane (µg/L)	1		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
1,3-Dichlorobenzene (µg/L)	3		<5.0																							
1,4-Dichlorobenzene (µg/L)	3		<5.0					<5.0					<5.0	<5.0					<5					<1		
2-Butanone (MEK) (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		
2-Hexanone (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		
4-Methyl 2-pentanone (µg/L)	NS		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		
Acetone (µg/L)	50 (GV)		<10.0					<10.0					<10.0	<10.0				<10	<10					<10		
Acrylonitrile (µg/L)	5		<100.0					<20.0					<20.0	<20.0					<20					<5		
Benzene (µg/L)	1		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Bromochloromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1		
Bromodichloromethane (µg/L)	50 (GV)		<5.0										<5.0	<5.0				<5	<5					<1		
Bromoform (µg/L)	50 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Bromomethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Carbon disulfide (µg/L)	60 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Carbon tetrachloride (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Chlorobenzene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Chloroethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Chloroform (µg/L)	7		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Chloromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
cis-1,2-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
cis-1,3-Dichloropropene (µg/L)	0.4**		<5.0					<5.0					<5.0	<5.0					<5					<1		
Dibromochloromethane (µg/L)	50 (GV)		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Dibromomethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Ethyl benzene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Iodomethane (µg/L)	5		<5.0					<20.0					<20.0	<10.0					<10					<10		
Methylene Chloride (µg/L)	5		<5.0					<10.0					<10.0	<10.0				<10	<10					<10		
Styrene (µg/L)	5							<5.0					<5.0	<5.0				<5	<5					<1		
Tetrachloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Toluene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
trans-1,2-Dichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1		
trans-1,3-Dichloropropene (µg/L)	0.4**		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
trans-1,4-Dichloro-2-butene (µg/L)	5		<10.0					<50.0					<50.0	<10.0					<10					<10		
Trichloroethene (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Trichlorofluoromethane (µg/L)	5		<5.0					<5.0					<5.0	<5.0					<5					<1		
Vinyl Acetate (µg/L)	NS		<50.0					<20.0					<20.0	<20.0					<20					<5		
Vinyl Chloride (µg/L)	2		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
Xylenes (Total) (µg/L)	5		<5.0					<5.0					<5.0	<5.0				<5	<5					<1		
1,2-Dichloroethene - Total	5																	<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	NYSDEC Ground Water Standard	6/28/05	9/27/05	12/6/05	3/28/06	6/28/06	9/26/06	12/13/06	3/15/07	6/21/07	9/25/07	12/17/07	3/27/08	6/19/08	9/23/08	12/15/2008	3/17/2009	6/22/2009	9/25/2009	12/14/2009
1,2-Dichloropropane (µg/L)	1			<1	<1					<1.0					<1					<1
1,3-Dichlorobenzene (µg/L)	3																			
1,4-Dichlorobenzene (µg/L)	3			<1	<1					<1.0					<1					<1
2-Butanone (MEK) (µg/L)	50 (GV)			<5	<5					<5.0					<10					<10
2-Hexanone (µg/L)	50 (GV)			<5	<5					<5.0					<10					<10
4-Methyl 2-pentanone (µg/L)	NS			<5	<5					<5.0					<10					<10
Acetone (µg/L)	50 (GV)			<10	<5					<5.0					<10					<10
Acrylonitrile (µg/L)	5			<20	<20					<20					<20					<20
Benzene (µg/L)	1			<1	<1					<1.0					<1					<1
Bromochloromethane (µg/L)	5			<1	<1					<1.0					<1					<1
Bromodichloromethane (µg/L)	50 (GV)			<1	<1					<1.0					<1					<1
Bromoform (µg/L)	50 (GV)			<1	<1					<1.0					<1					<1
Bromomethane (µg/L)	5			<1	<1					<1.0					<1					<1
Carbon disulfide (µg/L)	60 (GV)			<1	<1					<1.0					<1					<1
Carbon tetrachloride (µg/L)	5			<1	<1					<1.0					<1					<1
Chlorobenzene (µg/L)	5			<1	<1					<1.0					<1					<1
Chloroethane (µg/L)	5			<1	<1					<1.0					<1					<1
Chloroform (µg/L)	7			<1	<1					<1.0					<1					<1
Chloromethane (µg/L)	5			<1	<1					<1.0					<1					<1
cis-1,2-Dichloroethene (µg/L)	5			<1	<1					<1.0					<1					<1
cis-1,3-Dichloropropene (µg/L)	0.4**			<1	<1					<1.0					<1					<1
Dibromochloromethane (µg/L)	50 (GV)			<1	<1					<1.0					<1					<1
Dibromomethane (µg/L)	5			<1	<1					<1.0					<1					<1
Ethyl benzene (µg/L)	5			<1	<1					<1.0					<1					<1
Iodomethane (µg/L)	5			<5	<5					<5.0					<5					<5
Methylene Chloride (µg/L)	5			<5	<1					<1.0					<1					<1
Styrene (µg/L)	5			<1	<1					<1.0					<1					<1
Tetrachloroethene (µg/L)	5			<1	<1					<1.0					<1					<1
Toluene (µg/L)	5			<1	<1					<1.0					<1					<1
trans-1,2-Dichloroethene (µg/L)	5			<1	<1					<1.0					<1					<1
trans-1,3-Dichloropropene (µg/L)	0.4**			<1	<1					<1.0					<1					<1
trans-1,4-Dichloro-2-butene (µg/L)	5			<5	<5					<5.0					<5					<5
Trichloroethene (µg/L)	5			<1	<1					<1.0					<1					<1
Trichlorofluoromethane (µg/L)	5			<1	<1					<1.0					<1					<1
Vinyl Acetate (µg/L)	NS			<5	<5					<5.0					<5					<5
Vinyl Chloride (µg/L)	2			<1	<1					<1.0					<1					<1
Xylenes (Total) (µg/L)	5			<1	<1					<1.0					<1					<1
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	NYSDEC Ground Water Standard	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	3/22/05	6/28/05	9/27/05	12/6/05	3/28/06	6/28/06	9/26/06	12/13/06	3/15/07	6/21/07	9/25/07	12/17/07	3/27/08
Field Parameters																										
Conductivity (µmhos/cm)	NS	4,940	4,970	5,440	3,780	4,050	4,810	5,600	4,300	4,810	5,990	3,480	4,743	5,320	4,787	4,570	3,600	5,800	6,400	2,110	5,160	1,420	3,860	5,410	6,070	4,780
pH (s.u.)	6.5 - 8.5	**6.48**	6.63	7		6.6	6.5	6.78	6.4	6.59	**6.14**	**6.22**	6.5	7.03	6.57	6.99	**6.3**	7	8	7.17	6.69	**6**	6.57	6.59	6.65	6.71
Temperature (deg C)	NS	12.8	15.2	17.2	10.4	7.6	19.7	15.8	9	12.8	16	16.8	10	13		15.5	12	14	18	15.1	13.5	11.3	16	15.4	10.2	13.5
Turbidity (NTU)	5	**356**	**183**	**585**	**164**	**207**	**383**	**47**	**430**	**189**	**10**	73	**189**	**246**	**236**	**100**	**68**	**168**	**600**	-	**81**	0	**67**	**101**	**134**	**60**
Redox	NS																						-80			
Dissolved Oxygen (mg/L)	NS																						2.66			
Part 360 Leachate Indicator Parameters																										
Ammonia-Nitrogen (mg/L)	2	**200**	**260**	**270**	**200**	**280**	**280**	**270**	**230**	**380**	**350**	**160**	**260**	**290**	**300**	**300**	**230**	**340**	**330**	**160**	**280**	**60**	**320**	**350**	**290**	**260**
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	38	24	46	34	30	20	36	43	28	32	31	41	<4.0	31	36	24	39	36	36	35	<20	40	30	31	29
Bromide (mg/L)	2	**2.6**	**3**	**3.9**	1.9	**2.1**	**3.2**	**3.8**	**2.3**	**3.7**	**4.2**	**2.5**	**3.3**	**4.2**	**2.7**	**3**	**2.2**	**17**	<0.10	1.6	**5.9**	<0.1	**3.9**	**3.5**	**2.1**	**2.7**
Chemical Oxygen Demand (mg/L)	NS	420	250	3,200	270	340	490	640	270	300	470	290	490	670	440	430	240	240	71	200	560	105	105	700	420	380
Chloride (mg/L)	250	**440**	**430**	**610**	**380**	200	**450**	**550**	**260**	**450**	**600**	**280**	**410**	**560**	**410**	**470**	**340**	**570**	**600**	220	**590**	67	**650**	**580**	**410**	**560**
Color (Pt-Co)	15	**1,400**					**600**					**950**					**500**	**1,500**					**1,000**			
Nitrate-Nitrogen (mg/L)	10	<0.1	0.16	0.17	<0.1	<0.1	0.15	0.76	0.54	<0.1	<0.1	0.2	0.28	0.27	0.19	<0.1	<0.1	<0.1	<0.10	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.2
Sulfate (mg/L)	250	2.9	2.2	3.6	2.2	2.3	2.5	<1	2.3	3.6	1.4	2.1	2	1.8	2.3	60	<1	2.5	2.8	2.2	<1	3.1	3.1	1.8	26	<10
Total Alkalinity (mg/L)	NS	1,700	1,900	2,200	1,500	1,600	1,800	2,000	1,500	2,000	2,100	1,900	1,900	2,400	2,500	1,200	1,900	2,400	2,700	1,400	2,900	570	2,000	2,200	1,600	1,700
Total Cyanide (mg/L)	0.2	<0.01					<0.01					<0.01					<0.01	<0.01					<0.01			
Total Dissolved Solids (mg/L)	500	**1,900**	**2,100**	**2,500**	**1,500**	**1,400**	**2,200**	**2,500**	**1,200**	**2,200**	**2,400**	**1,700**	**1,900**	**2,700**	**2,000**	**2,100**	**1,800**	**2,600**	**2,600**	**1,200**	**2,700**	**590**	**2,600**	**2,300**	**1,900**	**2,400**
Total Hardness (mg/L)	NS	580	580	690	480	550	750	790	430	700	590	480	520	660	670	450	600	740	690	460	800	270	310	690	530	670
Total Kjeldahl Nitrogen (mg/L)	NS	290	220	320	220	280	300	330	350	330	380	260	220	310	270	260	210	330	390	150	280	60	280	350	270	270
Total Organic Carbon (mg/L)	NS	160	150	230	99	120	120	230	110	180	240	75	160	230	200	120	13	210	270	84	180	28	230	240	160	210
Total Phenols (mg/L)	0.001	**0.016**	**0.02**	**0.015**	**0.026**	<0.002	**0.015**	**0.013**	**0.017**	**0.017**	**0.021**	**0.02**	**0.016**	<0.01	<0.002	**0.0022**	<0.002	<0.002	<0.002	<0.002	<0.05	**0.0062**	**0.013**	**0.015**	0.02	**0.011**
Part 360 Routine Metals																										
Boron (mg/L)	1	**2.5**	**2.7**	**3.7**			**3.4**	**4.4**	**1.6**	**3.8**		**1.7**					**2.3**	**3.8**					**2.3**			
Cadmium (mg/L)	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	<0.010	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Calcium (mg/L)	NS	120	120	140	100	110	150	150	91	120	110	110	97	110	120	91	120	120	130	100	130	73	100	120	120	130
Iron (mg/L)	0.3*	**62**	**60**	**70**	**48**	**58**	**61**	**68**	**52**	**38**	**47**	49	**35**	**45**	**35**	**45**	**34**	**35**	**49**	**39**	**16**	**32**	**38**	**35**	**55**	**41**
Lead (mg/L)	0.025	**0.049**	**0.031**	**0.04**	0.022	**0.041**	<0.01	0.014	0.022	**0.028**	<0.01	<0.01	<0.01	0.017	<0.01	**0.26**	0.014	**0.03**	**0.036**	0.021	<0.01	<0.01	<0.01	<0.01	<0.01	0.01
Magnesium (mg/L)	35 (GV)	**68**	**67**	**83**	**53**	**65**	**94**	**100**	**50**	**96**	**75**	**53**	**67**	**92**	**92**	**54**	**74**	**110**	**91**	**51**	**110**	**20**	**65**	**88**	**54**	**85**
Manganese (mg/L)	0.3*	**1.3**	**1.5**	**2.4**	**1.6**	**1.5**	**1.7**	**2.7**	**1.3**	**0.74**	**1.5**	**1.6**	**0.85**	**1**	**0.62**	**1.4**	**0.76**	**0.55**	**1.2**	0.029	0.26	**0.98**	**0.98**	**1.2**	**1.1**	**70**
Potassium (mg/L)	NS	190	200	340	180	230	230	410	220	350	330	320	380	330	320	280	250	280	300	160	240	40	370	380	170	310
Sodium (mg/L)	20	**430**	**460**	**600**	**250**	**270**	**420**	**630**	**250**	**500**		**230**	**470**	**580**	**410**	**270**	**380**	**370**	**490**	**230**	**580**	**50**	**430**	**520**	**200**	**450**
Part 360 Additional Baseline Metals																										
Aluminum (mg/L)	NS	2.4					0.9					0.28					0.96	1.4					0.93			
Antimony (mg/L)	0.003	<0.01					<0.01					**0.012**					<0.01	<0.01					<0.01			
Arsenic (mg/L)	0.025	0.02					**0.038**					0.022					**0.03**	<0.01					<0.01			
Barium (mg/L)	1	<0.2					0.32					0.25					0.47	0.75					0.37			
Beryllium (mg/L)	0.003 (GV)	<0.01					<0.01					<0.01					<0.01	<0.01					<0.01			
Chromium (mg/L)	0.05	0.031					0.019					<0.01					**0.017**	0.02					<0.01			
Chromium, Hexavalent (mg/L)	0.05	<0.01					<0.01					<0.01					0.013	<0.01					0.017			
Cobalt (mg/L)	NS	0.012					0.017					<0.01					0.012	0.018					0.021			
Copper (mg/L)	0.2	0.052					0.013					<0.01					0.018	**0.024**					<0.04			
Mercury (mg/L)	0.0007	0.0002					<0.0002					<0.0002					<0.0002	<0.0002					<0.0002			
Nickel (mg/L)	0.1	0.062					0.049					0.024					0.029	0.046					0.036			
Selenium (mg/L)	0.01	<0.01					<0.01					<0.01					<0.01	**0.013**					<0.01			
Silver (mg/L)	0.05	<0.01					<0.01					<0.01					<0.01	<0.01					**0.057**			
Thallium (mg/L)	0.0005 (GV)	<0.01					<0.01					<0.01					<0.01	<0.01					<0.01			
Vanadium (mg/L)	NS	<0.01					0.012					0.013					0.013	0.025					0.032			
Zinc (mg/L)	2	0.16					0.11					0.099					0.052	0.061					0.089			
Part 360 Volatile Organics																										
1,1,1,2-Tetrachloroethane (µg/L)	5	<5.0					<5					<1					<5	<5					<5.0			
1,1,1-Trichloroethane (µg/L)	5	<5.0				<5	<5					<1					<5	<5					<5.0			
1,1,2,2-Tetrachloroethane (µg/L)	5	<5.0				<5	<5					<1					<5	<5					<5.0			
1,1,2-Trichloroethane (µg/L)	1	<5.0				<5	<5					<1					<5	<5					<5.0			
1,1-Dichloroethane (µg/L)	5	<5.0				<5	<5					<1					<5	<5					<5.0			
1,1-Dichloroethene (µg/L)	5	<5.0				<5	<5					<1					<5	<5					<5.0			

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

Parameter	NYSDEC Ground Water Standard	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	3/22/05	6/28/05	9/27/05	12/6/05	3/28/06	6/28/06	9/26/06	12/13/06	3/15/07	6/21/07	9/25/07	12/17/07	3/27/08
1,2,3-Trichloropropane (µg/L)	0.04	<5.0					<5					<1					<5	<5					<5.0			
1,2-Dibromo-3-chloropropane (µg/L)	0.04	<5.0					<5					<1					<5	<5					<5.0			
1,2-Dibromoethane (EDB) (µg/L)	5	<5.0					<5					<1					<5	<5					<5.0			
1,2-Dichlorobenzene (µg/L)	3	<5.0					<5					<1					<5	<5					<5.0			
1,2-Dichloroethane (µg/L)	0.6	<5.0				<5	<5					<1					<5	<5					<5.0			
1,2-Dichloropropane (µg/L)	1	<5.0				<5	<5					<1					<5	<5					<5.0			
1,4-Dichlorobenzene (µg/L)	3	<5.0					<5					**3.7**					<5	<5					<5.0			
2-Butanone (MEK) (µg/L)	50 (GV)	<10.0				<10	<10					<10					<20	<50					<5.0			
2-Hexanone (µg/L)	50 (GV)	<10.0				<10	<10					<10					<20	<50					<5.0			
4-Methyl 2-pentanone (µg/L)	NS	<10.0					<10					<10					<20	<50					<5.0			
Acetone (µg/L)	50 (GV)	18				28	13					<10					<50	<50					<5.0			
Acrylonitrile (µg/L)	5	<20.0					<20					<5					<100	<200					<200			
Benzene (µg/L)	1	**5.5**				**5.7**	<5					**5**					**6.2**	**7.7**					**7**			
Bromochloromethane (µg/L)	5	<5.0					<5					<1					<5	<5					<5.0			
Bromodichloromethane (µg/L)	50 (GV)	<5.0				<5	<5					<1					<5	<5					<5.0			
Bromoform (µg/L)	50 (GV)	<5.0				<5	<5					<1					<5	<5					<5.0			
Bromomethane (µg/L)	5	<5.0				<5	<5					<1					<5	<5					<5.0			
Carbon disulfide (µg/L)	60 (GV)	<5.0				<5	<5					<1					<5	<5					<5.0			
Carbon tetrachloride (µg/L)	5	<5.0				<5	<5					<1					<5	<5					<5.0			
Chlorobenzene (µg/L)	5	<5.0				<5	<5					4.1					**5.3**	<5					<5.0			
Chloroethane (µg/L)	5	**33**				**33**	**22**					**22**					**24**	**20**					<5.0			
Chloroform (µg/L)	7	<5.0				<5	<5					<1					<5	<5					<5.0			
Chloromethane (µg/L)	5	<5.0				<5	<5					<1					<5	<5					<5.0			
cis-1,2-Dichloroethene (µg/L)	5	<5.0					<5					<1					<5	<5					<5.0			
cis-1,3-Dichloropropene (µg/L)	0.4**	<5.0				<5	<5					<1					<5	<5					<5.0			
Dibromochloromethane (µg/L)	50 (GV)	<5.0				<5	<5					<1					<5	<5					<5.0			
Dibromomethane (µg/L)	5	<5.0					<5					<1					<5	<5					<5.0			
Ethyl benzene (µg/L)	5	**29**				<5	<5					<1					<5	<5					<5.0			
Iodomethane (µg/L)	5	<10.0					<10					<10					<20	<50					<5.0			
Methylene Chloride (µg/L)	5	<10.0				<10	<10					<10					<20	<5					<5.0			
Styrene (µg/L)	5	<5.0				<5	<5					<1					<5	<5					<5.0			
Tetrachloroethene (µg/L)	5	<5.0				<5	<5					<1					<5	<5					<5.0			
Toluene (µg/L)	5	<5.0				<5	<5					<1					<5	<5					<5.0			
trans-1,2-Dichloroethene (µg/L)	5	<5.0					<5					<1					<5	<5					<5.0			
trans-1,3-Dichloropropene (µg/L)	0.4**	<5.0				<5	<5					<1					<5	<5					<5.0			
trans-1,4-Dichloro-2-butene (µg/L)	5	<10.0					<10					<10					<20	<50					<5.0			
Trichloroethene (µg/L)	5	<5.0				<5	<5					<1					<5	<5					<5.0			
Trichlorofluoromethane (µg/L)	5	<5.0					<5					<1					<5	<5					<5.0			
Vinyl Acetate (µg/L)	NS	<20.0					<20					<5					<20	<50					<5.0			
Vinyl Chloride (µg/L)	2	<5.0				<5	<5					<1					<5	<5					<5.0			
Xylenes (Total) (µg/L)	5	**75**				**96**	**28**					**63**					69	**26**					**63**			
1,2-Dichloroethene - Total	5					<5																				

Notes

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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
7) J indicates estimated concentration based on QC data

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

Parameter	NYSDEC Ground Water Standard	6/19/08	9/23/08	12/15/2008	3/17/2009	6/22/2009	9/25/2009	12/14/2009
Field Parameters								
Conductivity (µmhos/cm)	NS	4,430	5,160	4,590	5,050	5,100	1,450	1260
pH (s.u.)	6.5 - 8.5	**6.44**	6.93	7.4	**6.35**	6.5	6.6	**6.08**
Temperature (deg C)	NS	14.9	15.3	13	13.9	14	14.5	11.8
Turbidity (NTU)	5	**51**	0	**27**	**35**	**35**	**180**	**10**
Redox	NS							
Dissolved Oxygen (mg/L)	NS							
Part 360 Leachate Indicator Parameters								
Ammonia-Nitrogen (mg/L)	2	**320**	**260**	**280**	**260**	**49**	**270**	**54**
Biochemical Oxygen Demand (BOD5) (mg/L)	NS	32	52	36	46	12	40	20
Bromide (mg/L)	2	**3.3**	**4.1**	**3.3**	**3**	<0.1	**4.3**	<0.1
Chemical Oxygen Demand (mg/L)	NS	590	140	490	430	56	430	64
Chloride (mg/L)	250	**540**	**610**	**540**	**580**	34	**520**	83
Color (Pt-Co)	15		**400**					**25**
Nitrate-Nitrogen (mg/L)	10	0.2	0.22	<0.1	<0.1	<0.1	<0.1	<0.1
Sulfate (mg/L)	250	1.9	2	<1	2	<1	2.7	<1.0
Total Alkalinity (mg/L)	NS	2,200	2,400	2,300	2,300	210	1,900	620
Total Cyanide (mg/L)	0.2		0.01					<0.01
Total Dissolved Solids (mg/L)	500	**2,200**	**2,700**	**2,400**	**2,300**	430	300	**610**
Total Hardness (mg/L)	NS	590	570	610	630	240	750	340
Total Kjeldahl Nitrogen (mg/L)	NS	310	270	260	260	53	260	54
Total Organic Carbon (mg/L)	NS	230	210	200	200	23	120	37
Total Phenols (mg/L)	0.001	**0.016**	**0.014**	**0.01**	**0.012**	**0.086 J**	**0.009**	0.01
Part 360 Routine Metals								
Boron (mg/L)	1		**2.8**					<0.5
Cadmium (mg/L)	0.005	<0.01	<0.01	<0.01	<0.01	<0.01	<0.010	<0.01
Calcium (mg/L)	NS	120	120	100	120	70	130	100
Iron (mg/L)	0.3*	**55**	**40**	**32**	**38**	**41**	**43**	**47**
Lead (mg/L)	0.025	<0.01	<0.01	<0.01	0.03	0.017	0.046	<0.01
Magnesium (mg/L)	35 (GV)	**69**	**78**	**87**	**79**	16	**100**	22
Manganese (mg/L)	0.3*	**1.5**	**0.69**	**0.34**	**0.4**	**0.73**	**0.43**	**1**
Potassium (mg/L)	NS	220	270	250	330	28	390	39
Sodium (mg/L)	20	**330**	**340**	**350**	**450**	**31**	**670**	**55**
Part 360 Additional Baseline Metals								
Aluminum (mg/L)	NS		0.91					0.34
Antimony (mg/L)	0.003		<0.01					<0.01
Arsenic (mg/L)	0.025		<0.01					<0.01
Barium (mg/L)	1		0.51					0.17
Beryllium (mg/L)	0.003 (GV)		<0.01					<0.01
Chromium (mg/L)	0.05		<0.01					<0.01
Chromium, Hexavalent (mg/L)	0.05		0.016					<0.01
Cobalt (mg/L)	NS		0.013					<0.01
Copper (mg/L)	0.2		<0.01					0.011
Mercury (mg/L)	0.0007		<0.0002					<0.0002
Nickel (mg/L)	0.1		0.042					0.019
Selenium (mg/L)	0.01		<0.01					<0.01
Silver (mg/L)	0.05		<0.01					<0.01
Thallium (mg/L)	0.0005 (GV)		<0.01					<0.02
Vanadium (mg/L)	NS		0.023					<0.01
Zinc (mg/L)	2		0.072					0.026
Part 360 Volatile Organics								
1,1,1,2-Tetrachloroethane (µg/L)	5		<1					<1
1,1,1-Trichloroethane (µg/L)	5		<1					<1
1,1,2,2-Tetrachloroethane (µg/L)	5		<1					<1
1,1,2-Trichloroethane (µg/L)	1		<1					<1
1,1-Dichloroethane (µg/L)	5		<1					<1
1,1-Dichloroethene (µg/L)	5		<1					<1

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

Parameter	NYSDEC Ground Water Standard	6/19/08	9/23/08	12/15/2008	3/17/2009	6/22/2009	9/25/2009	12/14/2009
1,2,3-Trichloropropane (µg/L)	0.04		<1					<1
1,2-Dibromo-3-chloropropane (µg/L)	0.04		<1					<1
1,2-Dibromoethane (EDB) (µg/L)	5		<1					<1
1,2-Dichlorobenzene (µg/L)	3		<1					<1
1,2-Dichloroethane (µg/L)	0.6		<1					<1
1,2-Dichloropropane (µg/L)	1		<1					<1
1,4-Dichlorobenzene (µg/L)	3		1.4					**6.6**
2-Butanone (MEK) (µg/L)	50 (GV)		<10					<10
2-Hexanone (µg/L)	50 (GV)		<10					<10
4-Methyl 2-pentanone (µg/L)	NS		<10					<10
Acetone (µg/L)	50 (GV)		16					16
Acrylonitrile (µg/L)	5		<20					<20
Benzene (µg/L)	1		**5.9**					**6.3**
Bromochloromethane (µg/L)	5		<1					<1
Bromodichloromethane (µg/L)	50 (GV)		<1					<1
Bromoform (µg/L)	50 (GV)		<1					<1
Bromomethane (µg/L)	5		<1					<1
Carbon disulfide (µg/L)	60 (GV)		<1					<1
Carbon tetrachloride (µg/L)	5		<1					<1
Chlorobenzene (µg/L)	5		1.3					**9.7**
Chloroethane (µg/L)	5		**7.3**					**21**
Chloroform (µg/L)	7		<1					<1
Chloromethane (µg/L)	5		<1					<1
cis-1,2-Dichloroethene (µg/L)	5		<1					<1
cis-1,3-Dichloropropene (µg/L)	0.4**		<1					<1
Dibromochloromethane (µg/L)	50 (GV)		<1					<1
Dibromomethane (µg/L)	5		<1					<1
Ethyl benzene (µg/L)	5		<1					1.3
Iodomethane (µg/L)	5		<5					<5
Methylene Chloride (µg/L)	5		<1					<1
Styrene (µg/L)	5		<1					<1
Tetrachloroethene (µg/L)	5		<1					<1
Toluene (µg/L)	5		<1					<1
trans-1,2-Dichloroethene (µg/L)	5		<1					<1
trans-1,3-Dichloropropene (µg/L)	0.4**		<1					<1
trans-1,4-Dichloro-2-butene (µg/L)	5		<5					<5
Trichloroethene (µg/L)	5		<1					<1
Trichlorofluoromethane (µg/L)	5		<1					<1
Vinyl Acetate (µg/L)	NS		<5					<5
Vinyl Chloride (µg/L)	2		<1					<1
Xylenes (Total) (µg/L)	5		4.2					**85**
1,2-Dichloroethene - Total	5							

Notes

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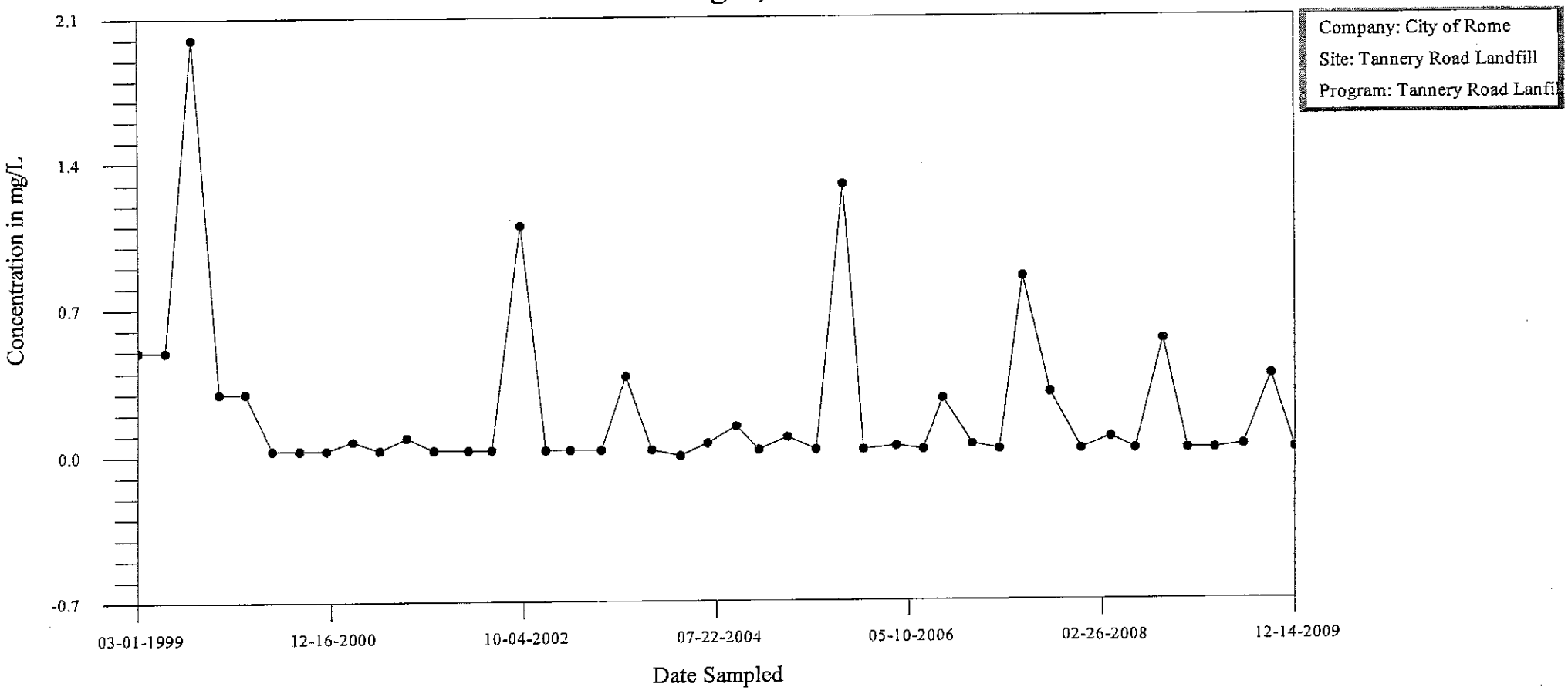
APPENDIX B

MONITORING WELL AND LEACHATE WELL

TIME SERIES CONCENTRATION GRAPHS

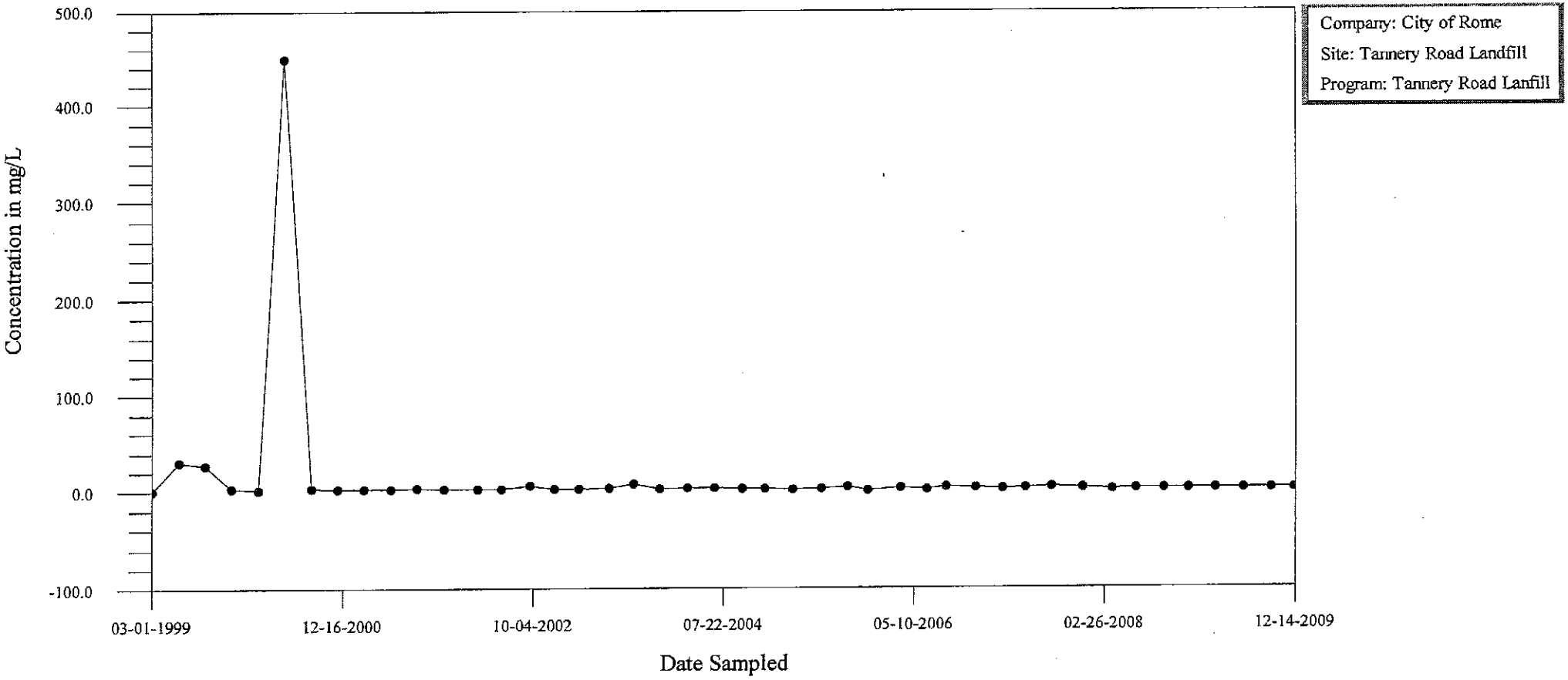
Time-Series Plot

Ammonia-Nitrogen, MW-1S

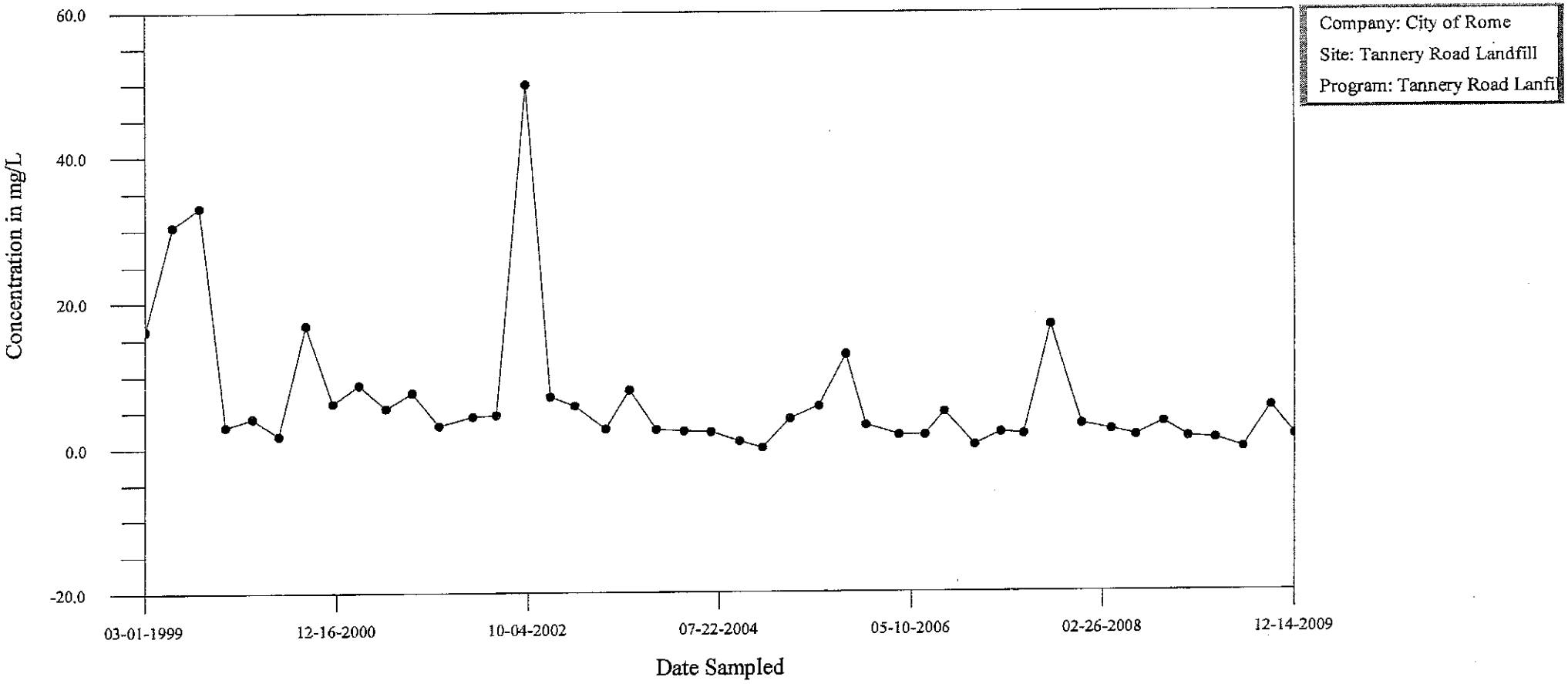


Time-Series Plot

Chloride, MW-1S

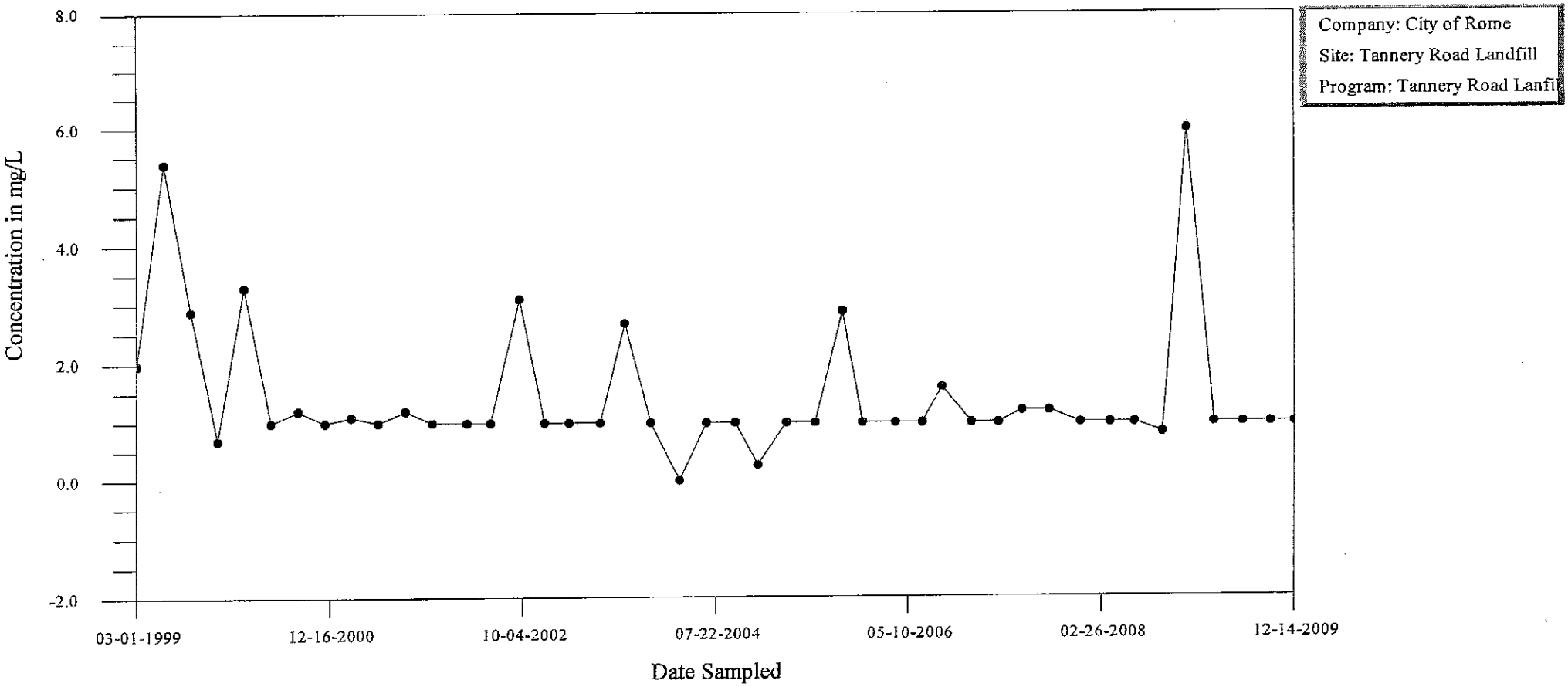


Time-Series Plot
Iron, MW-1S



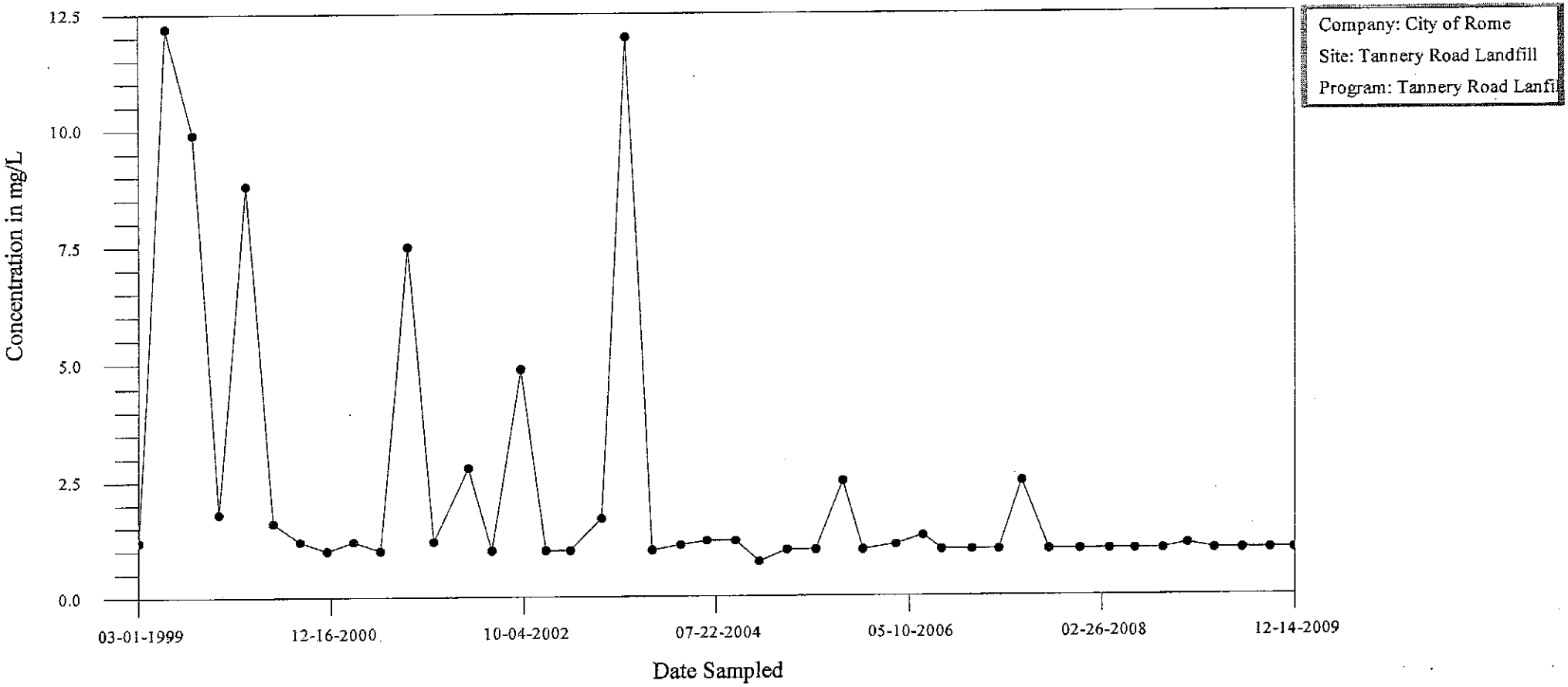
Time-Series Plot

Potassium, MW-1S



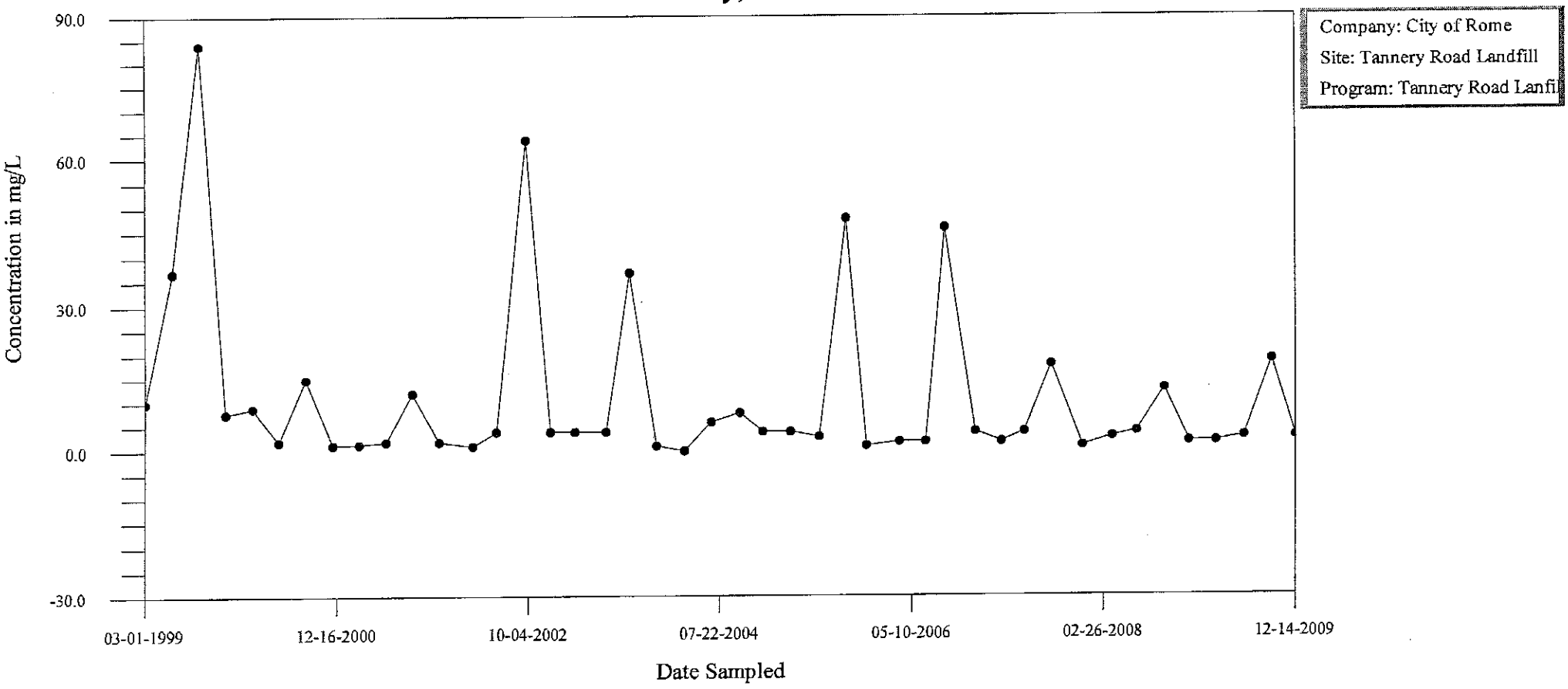
Time-Series Plot

Sodium, MW-1S



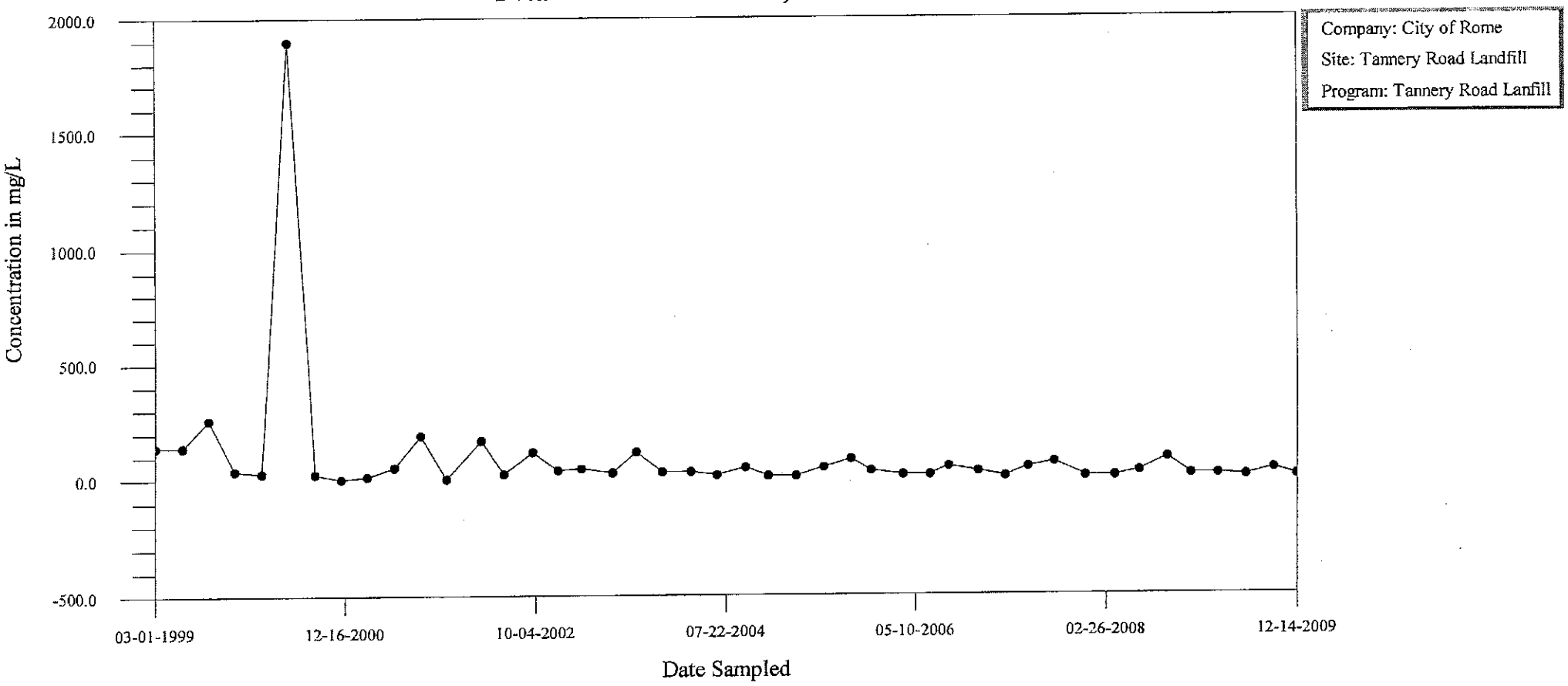
Time-Series Plot

Total Alkalinity, MW-1S



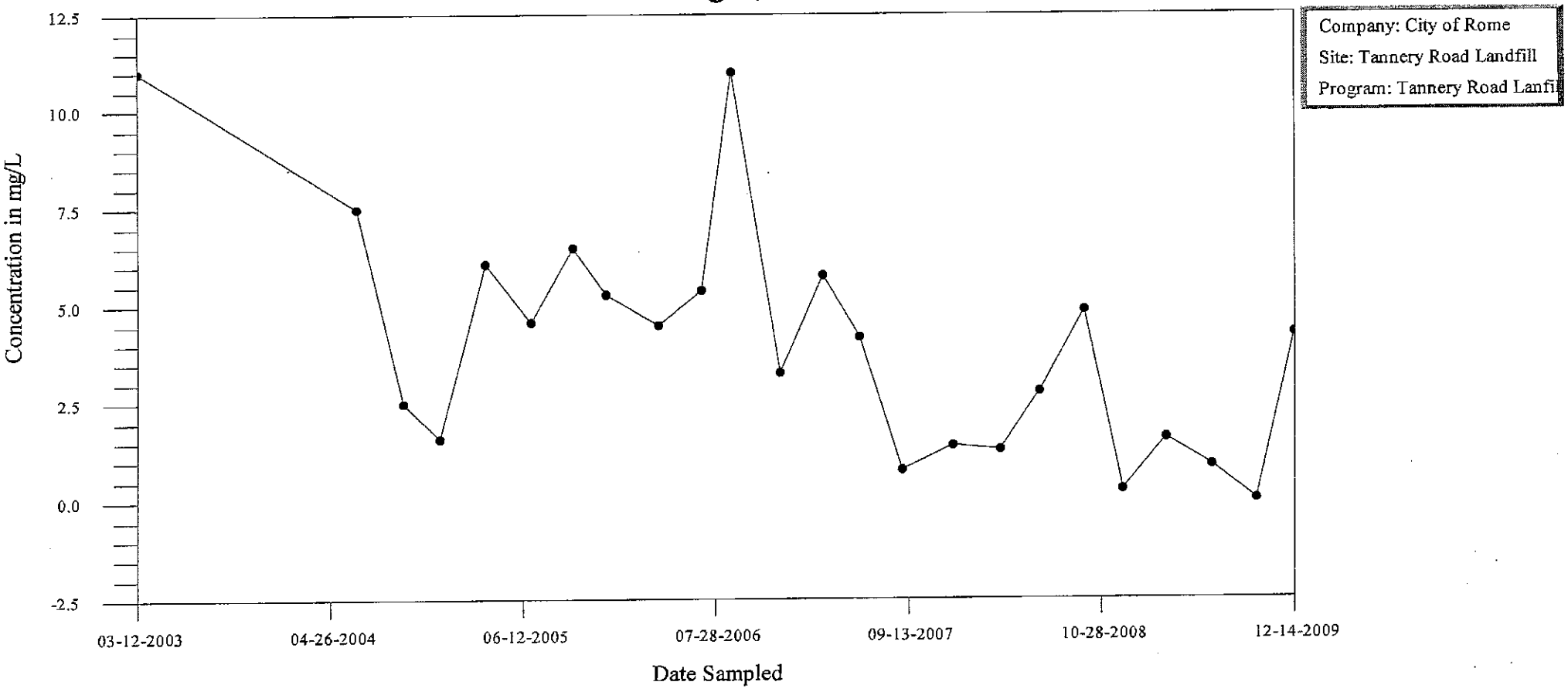
Time-Series Plot

Total Dissolved Solids, MW-1S



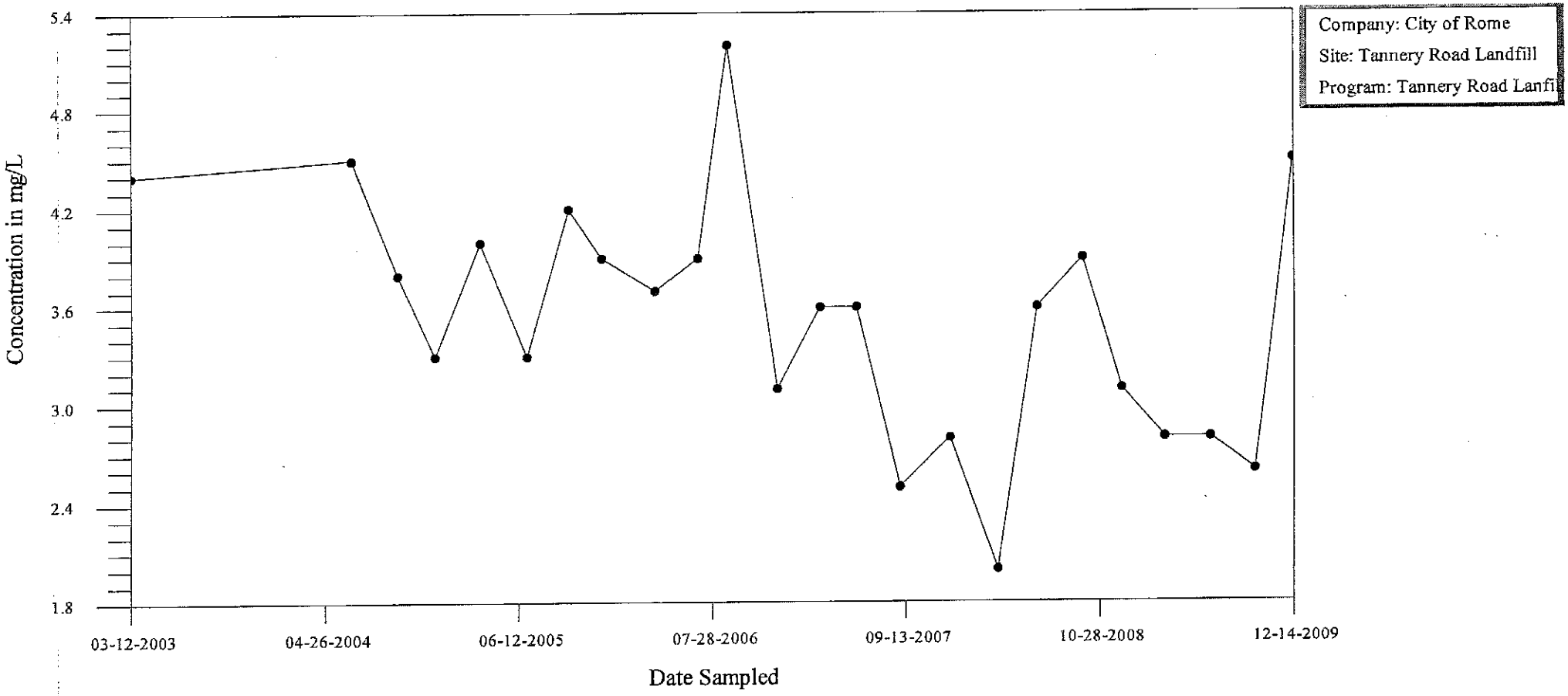
Time-Series Plot

Ammonia-Nitrogen, MW-2D



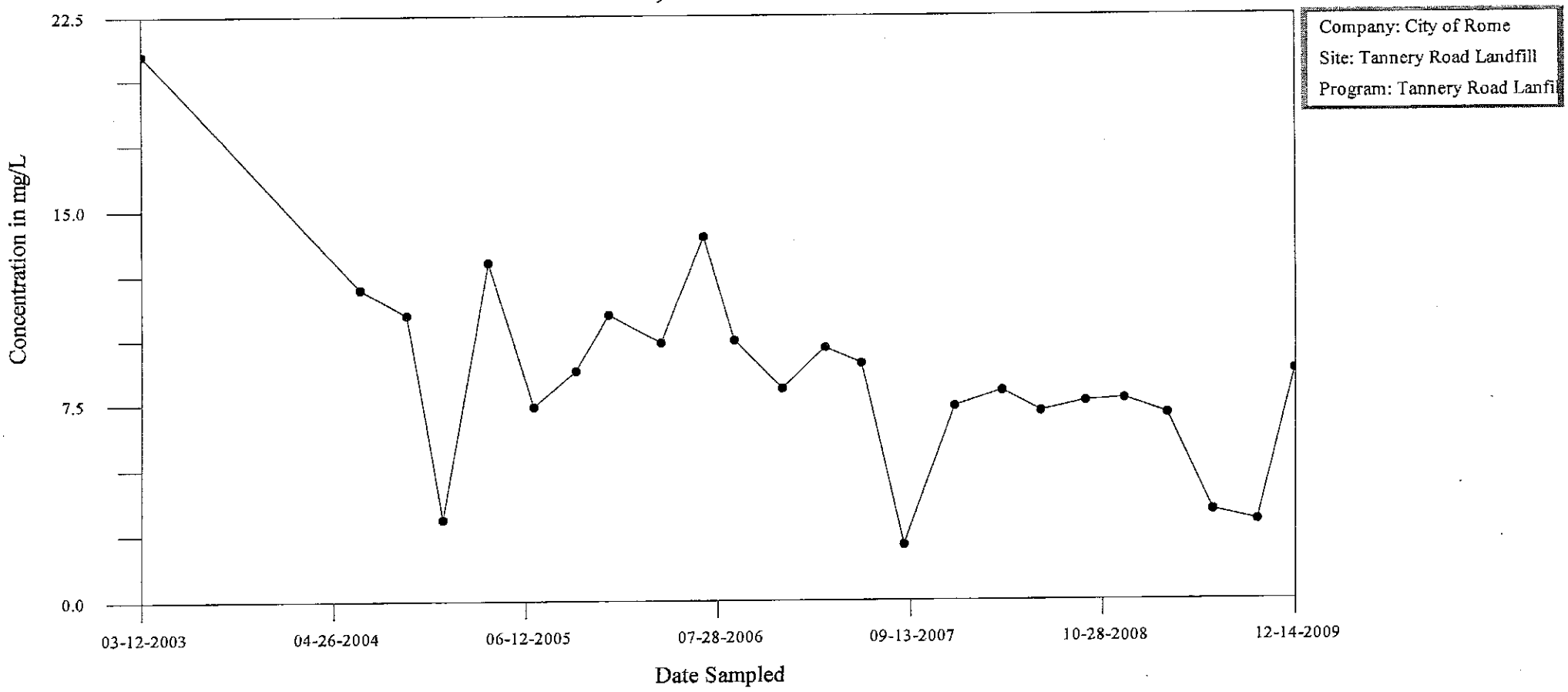
Time-Series Plot

Chloride, MW-2D



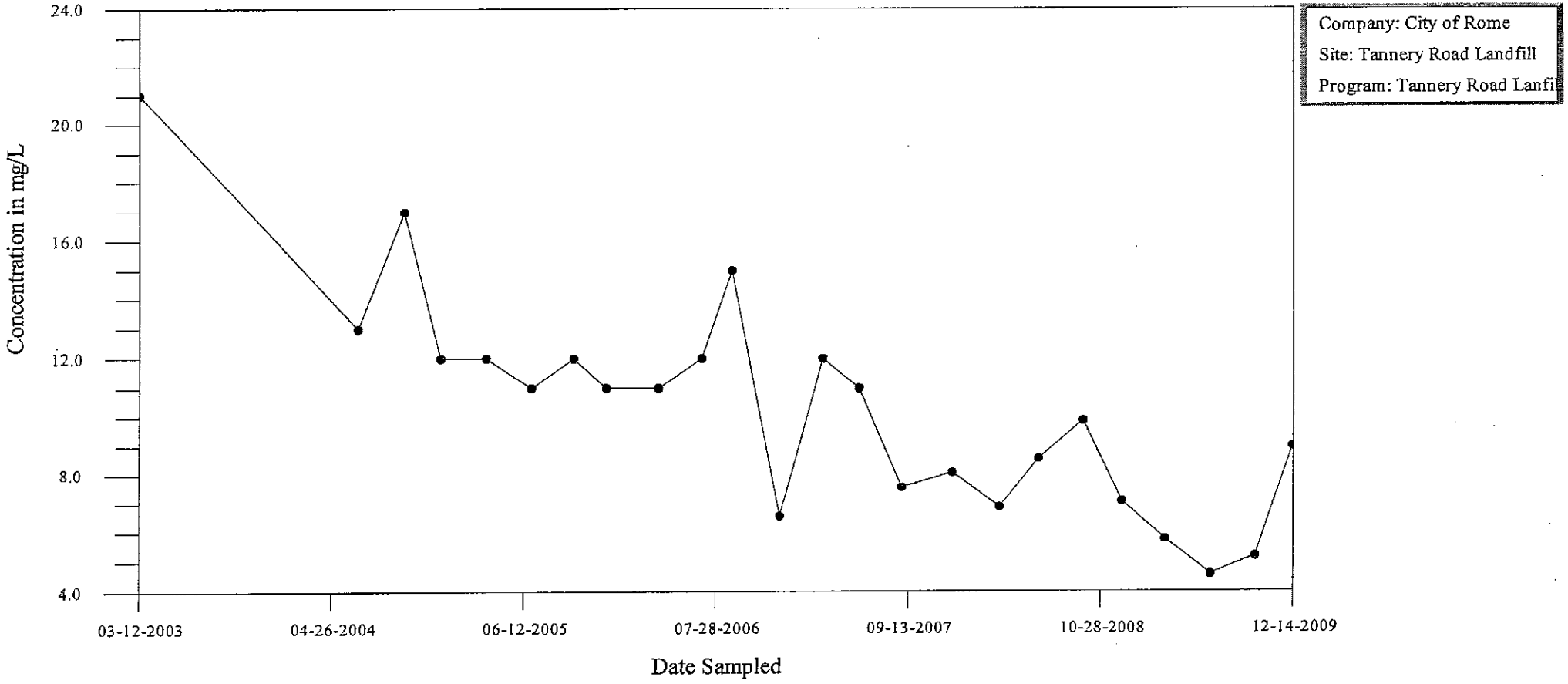
Time-Series Plot

Iron, MW-2D



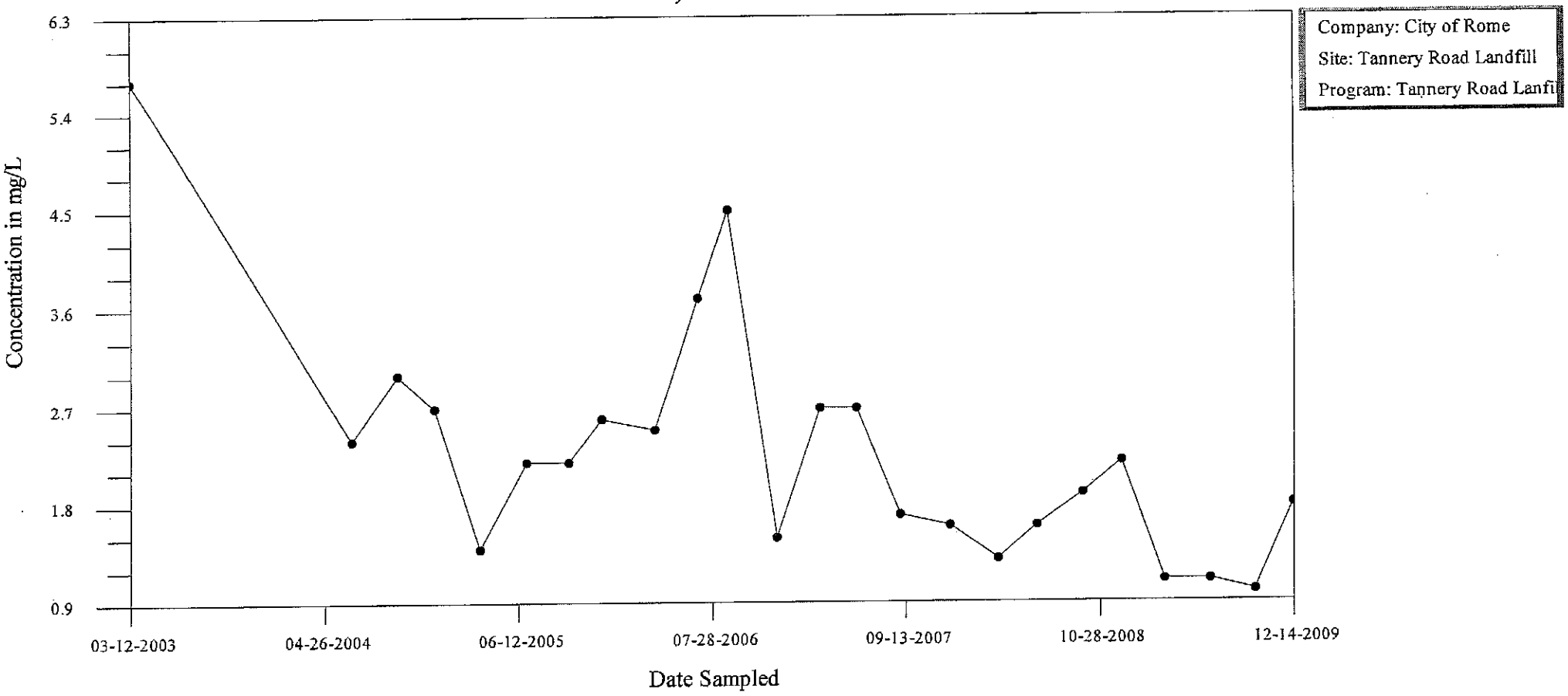
Time-Series Plot

Potassium, MW-2D



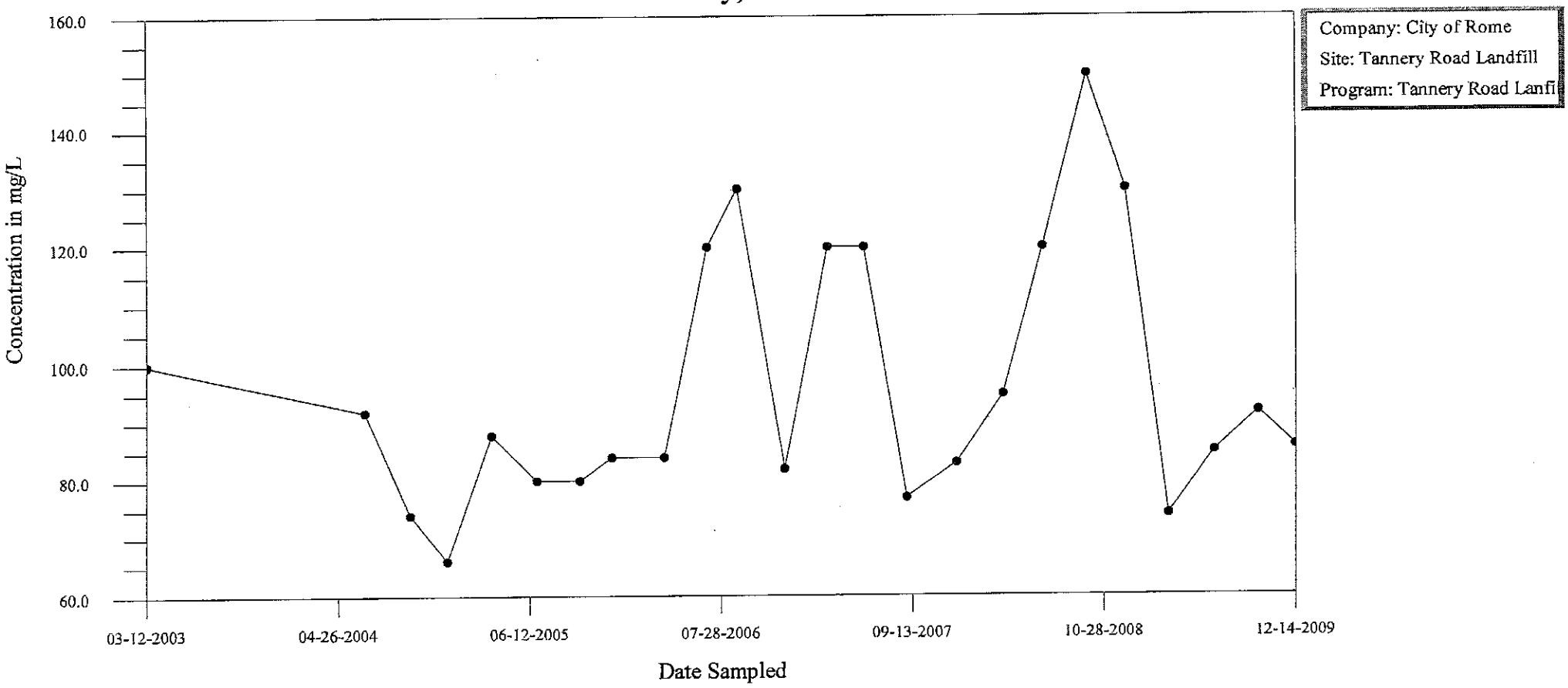
Time-Series Plot

Sodium, MW-2D



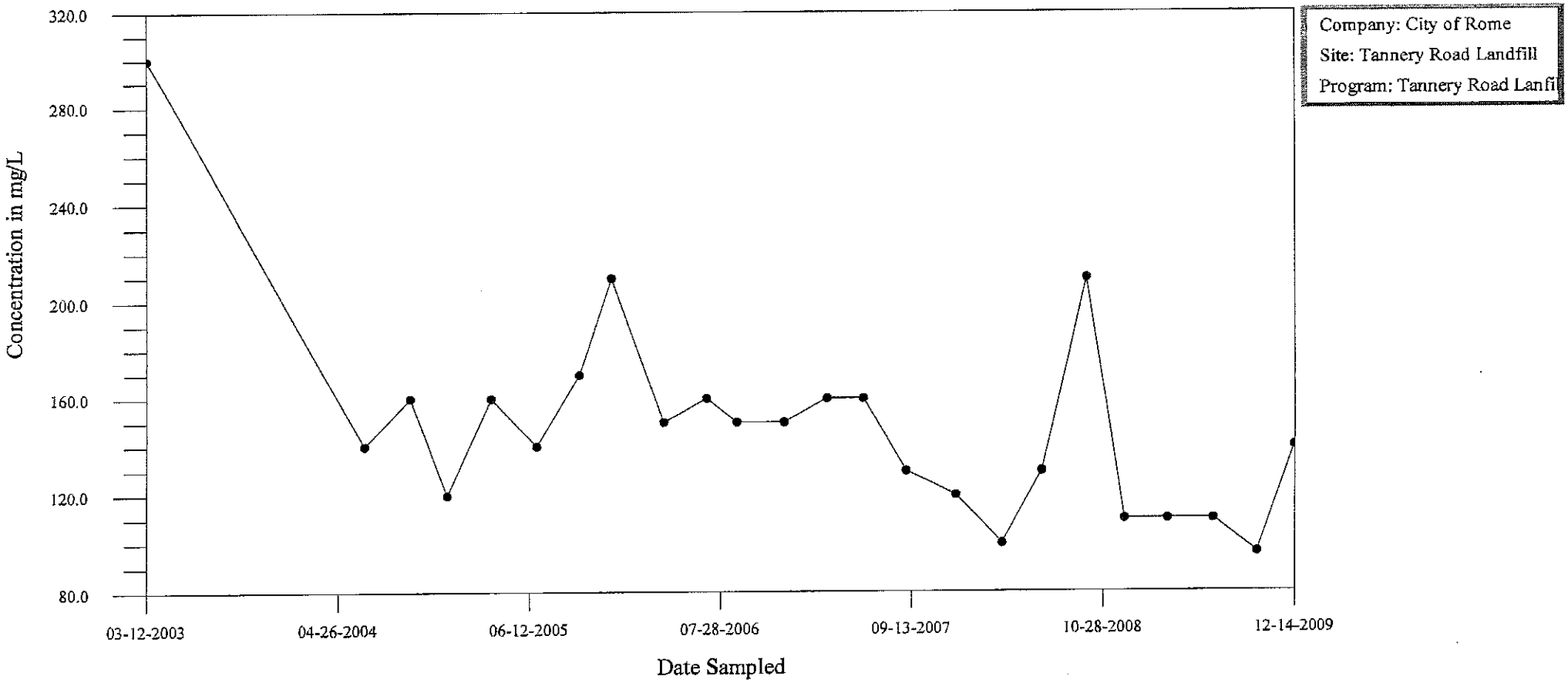
Time-Series Plot

Total Alkalinity, MW-2D



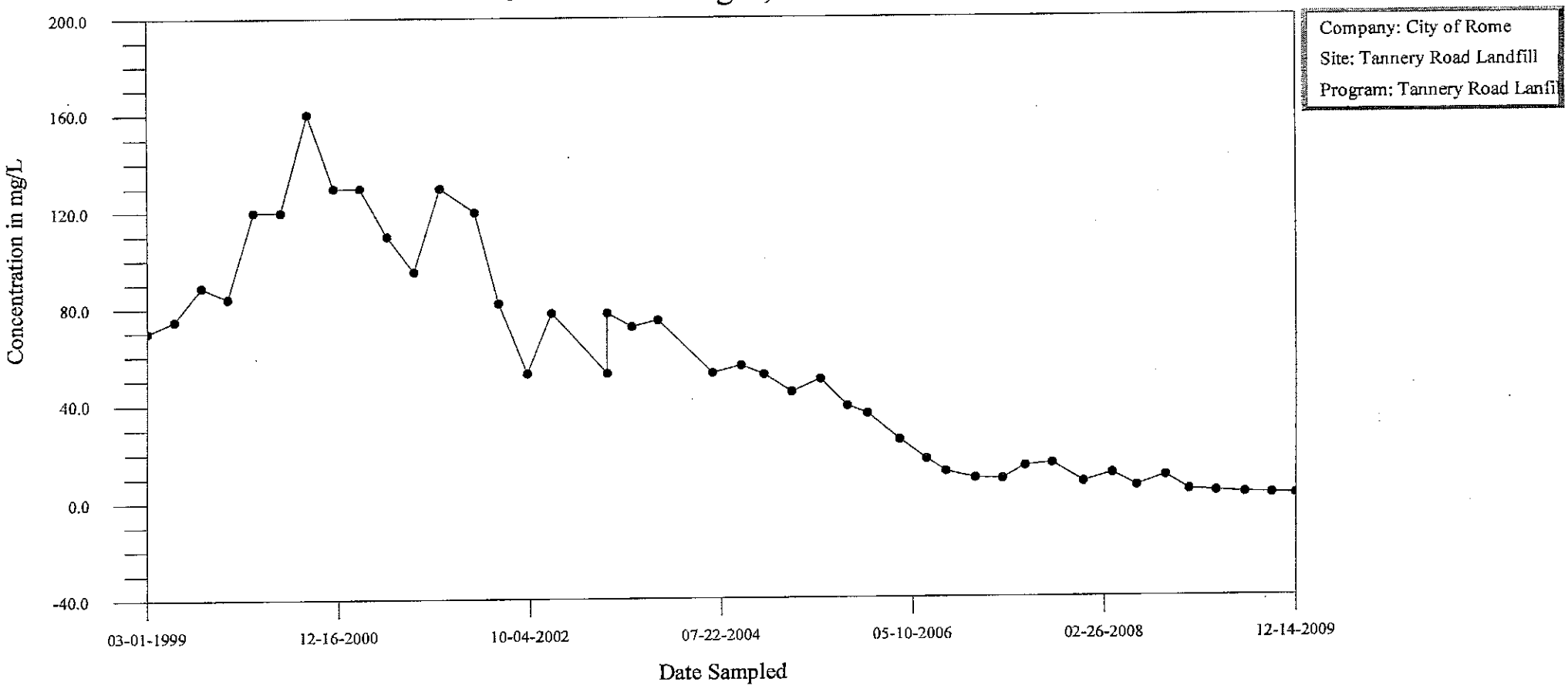
Time-Series Plot

Total Dissolved Solids, MW-2D



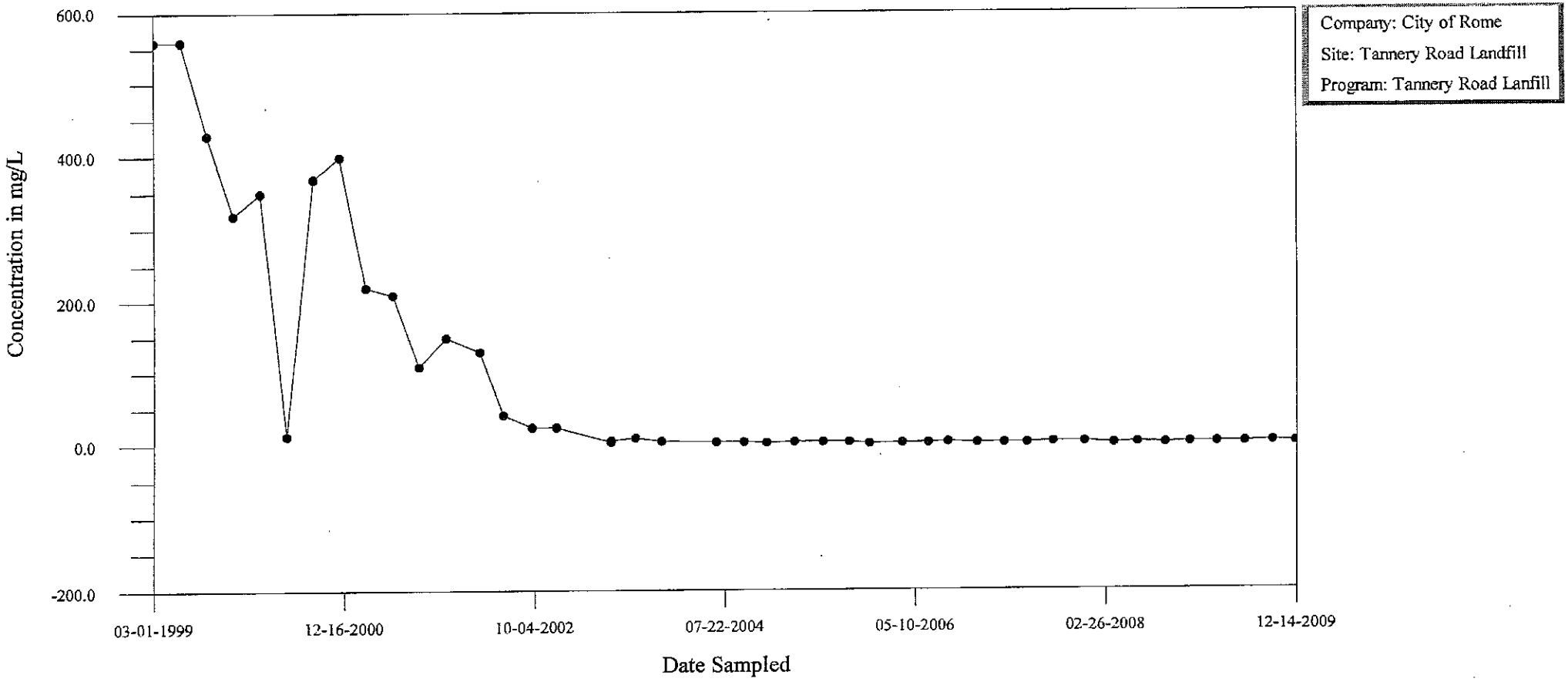
Time-Series Plot

Ammonia-Nitrogen, MW-3S



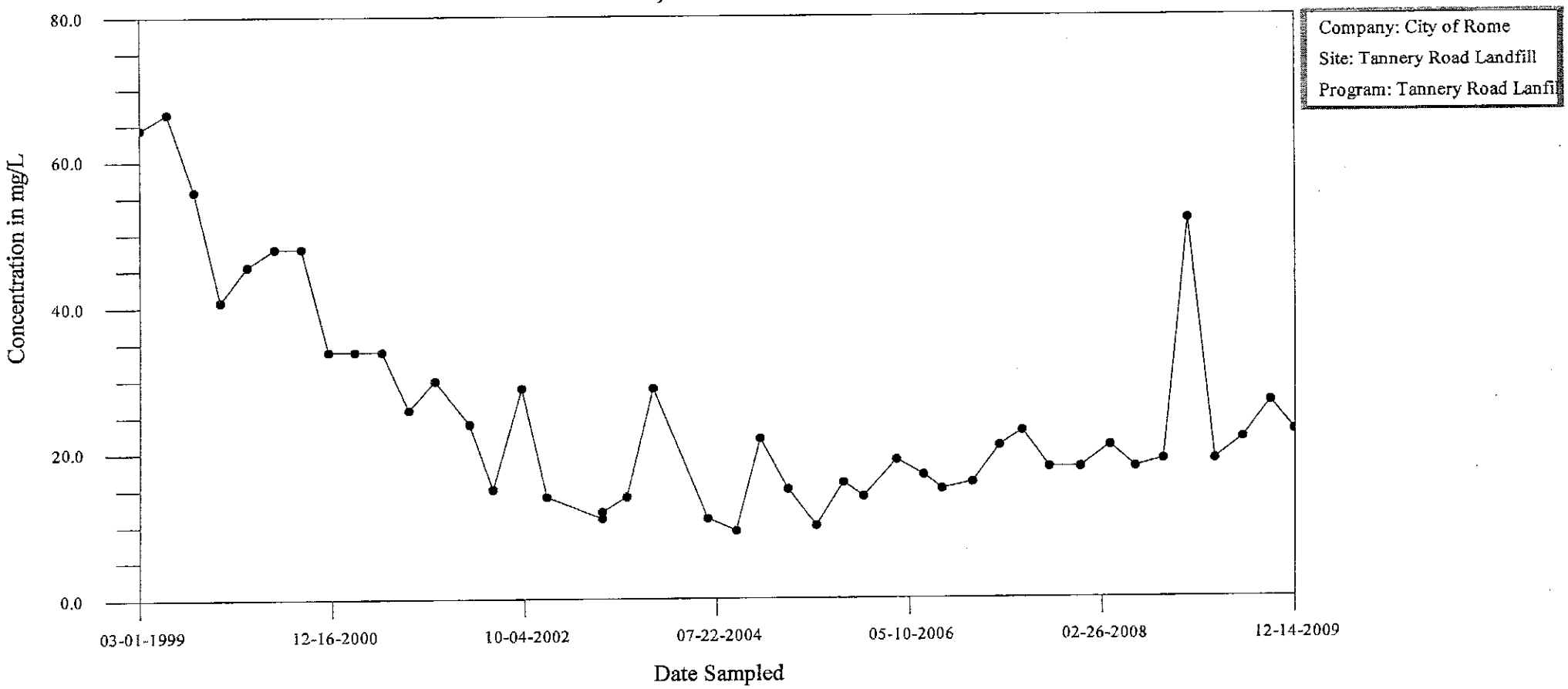
Time-Series Plot

Chloride, MW-3S

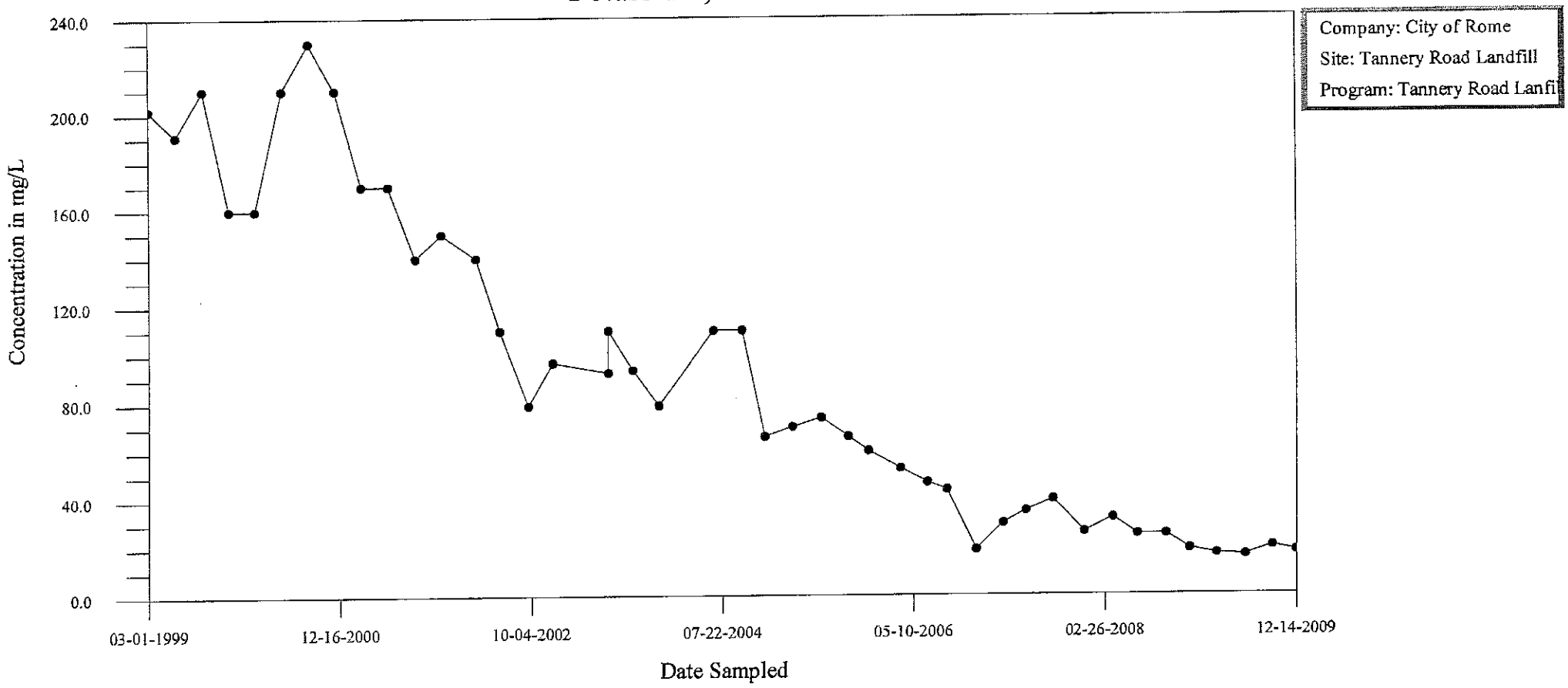


Time-Series Plot

Iron, MW-3S

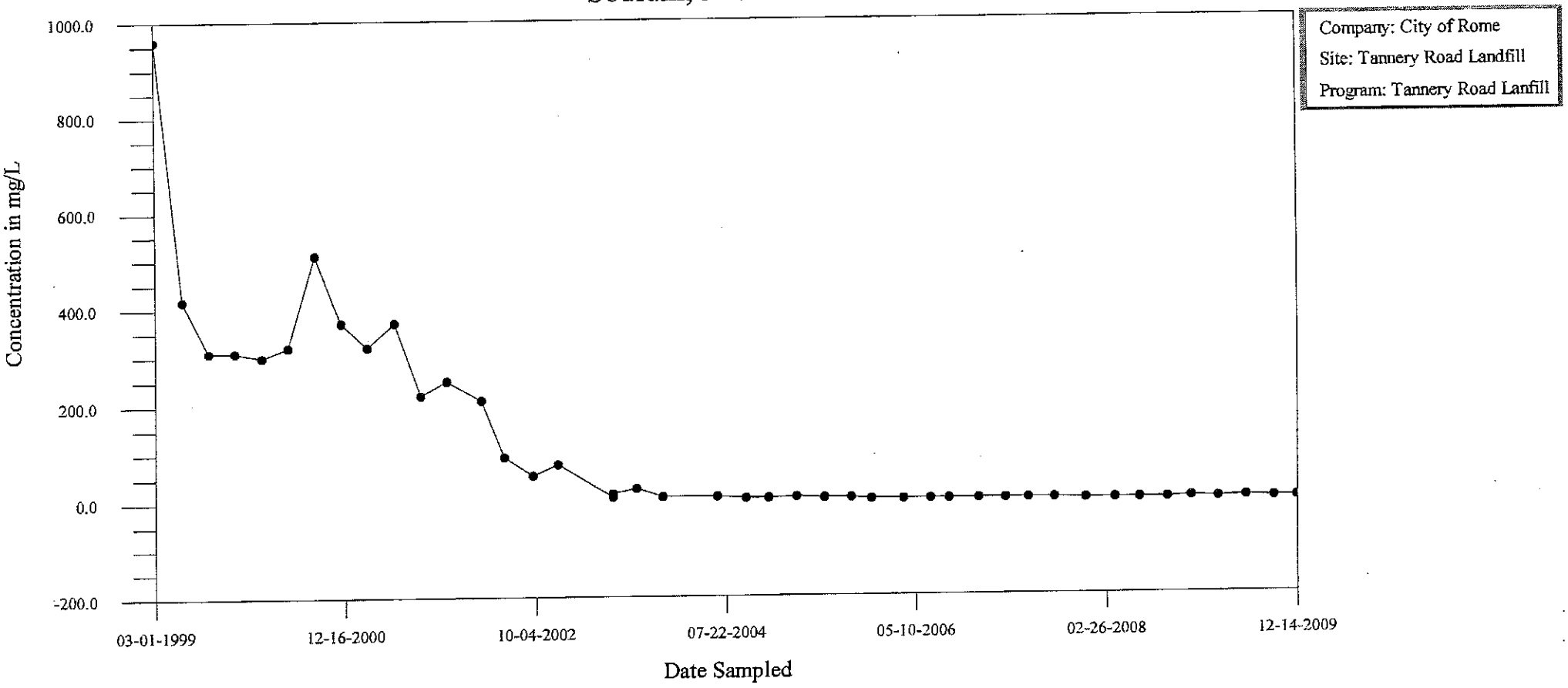


Time-Series Plot
Potassium, MW-3S



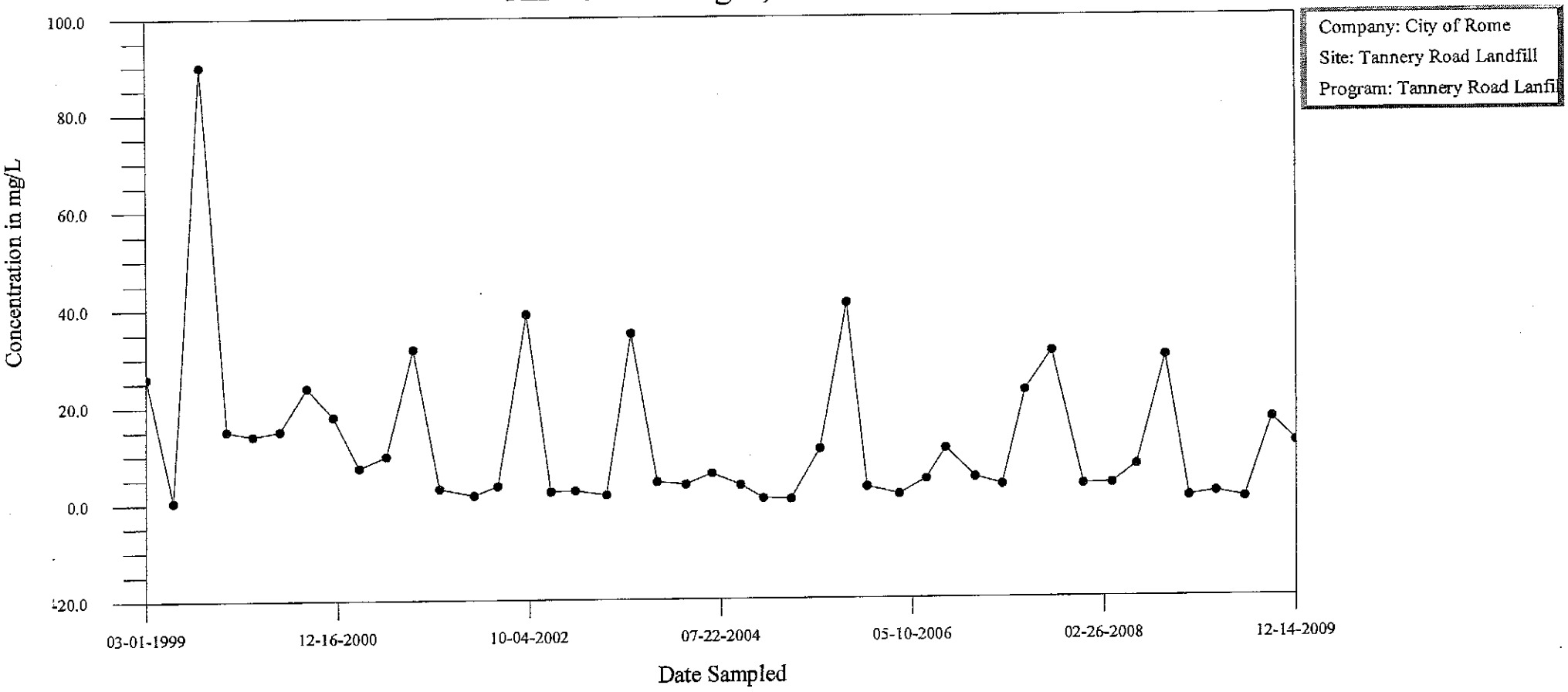
Time-Series Plot

Sodium, MW-3S



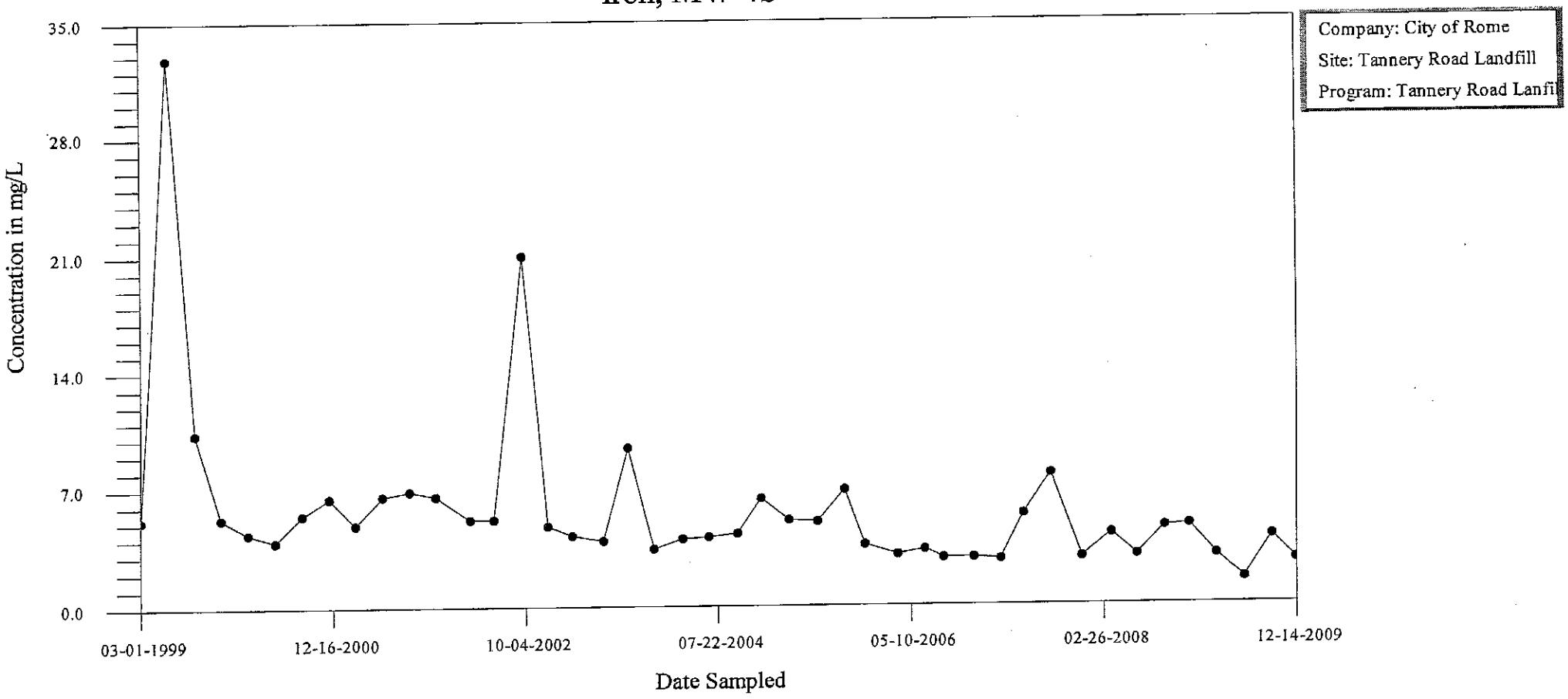
Time-Series Plot

Ammonia-Nitrogen, MW-4S

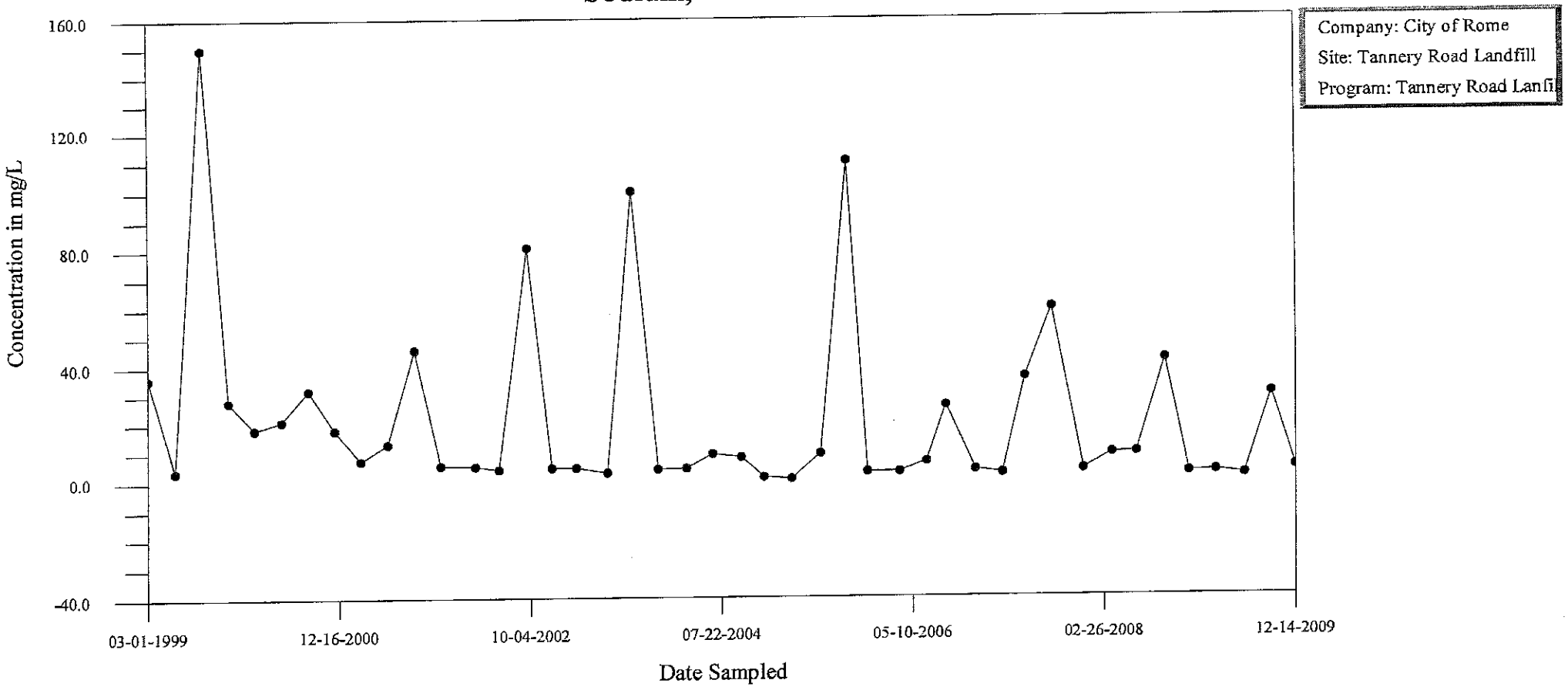


Time-Series Plot

Iron, MW-4S

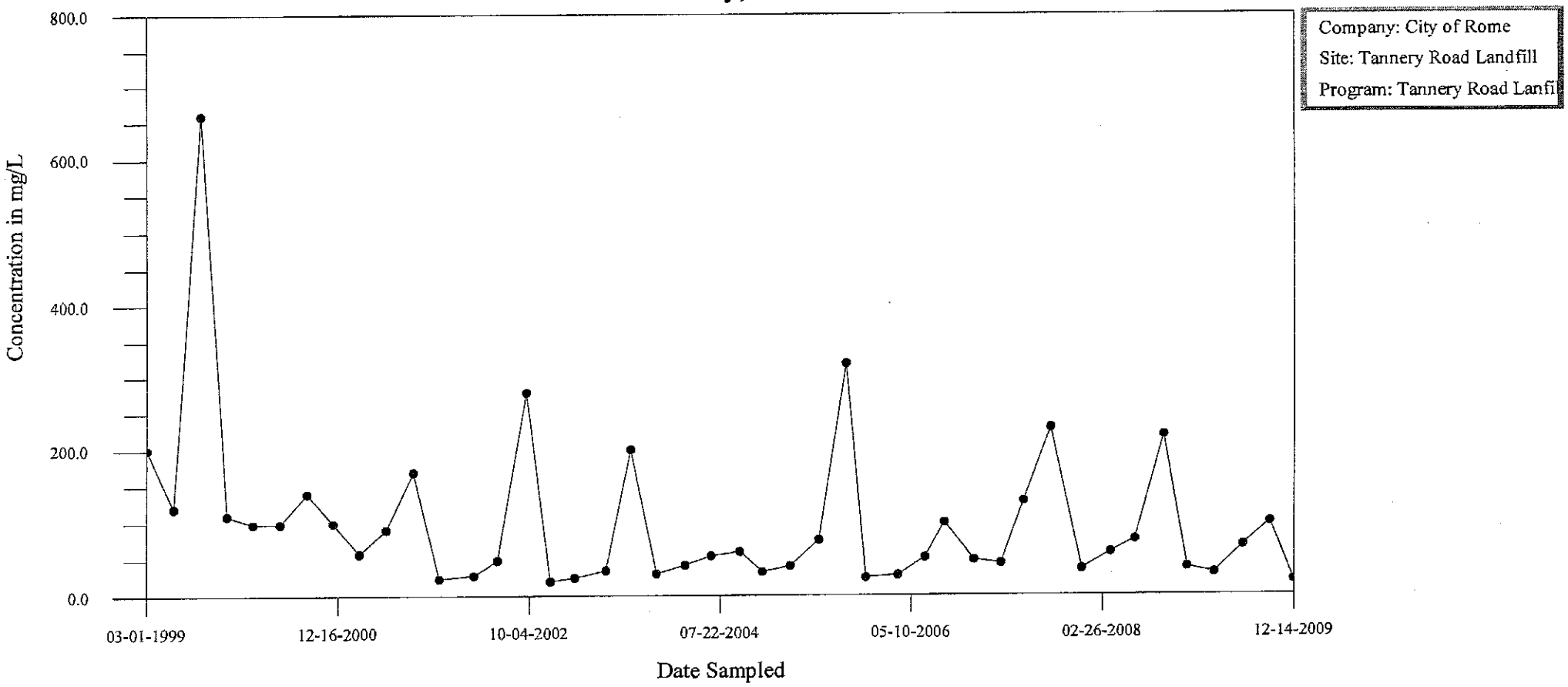


Time-Series Plot
Sodium, MW-4S



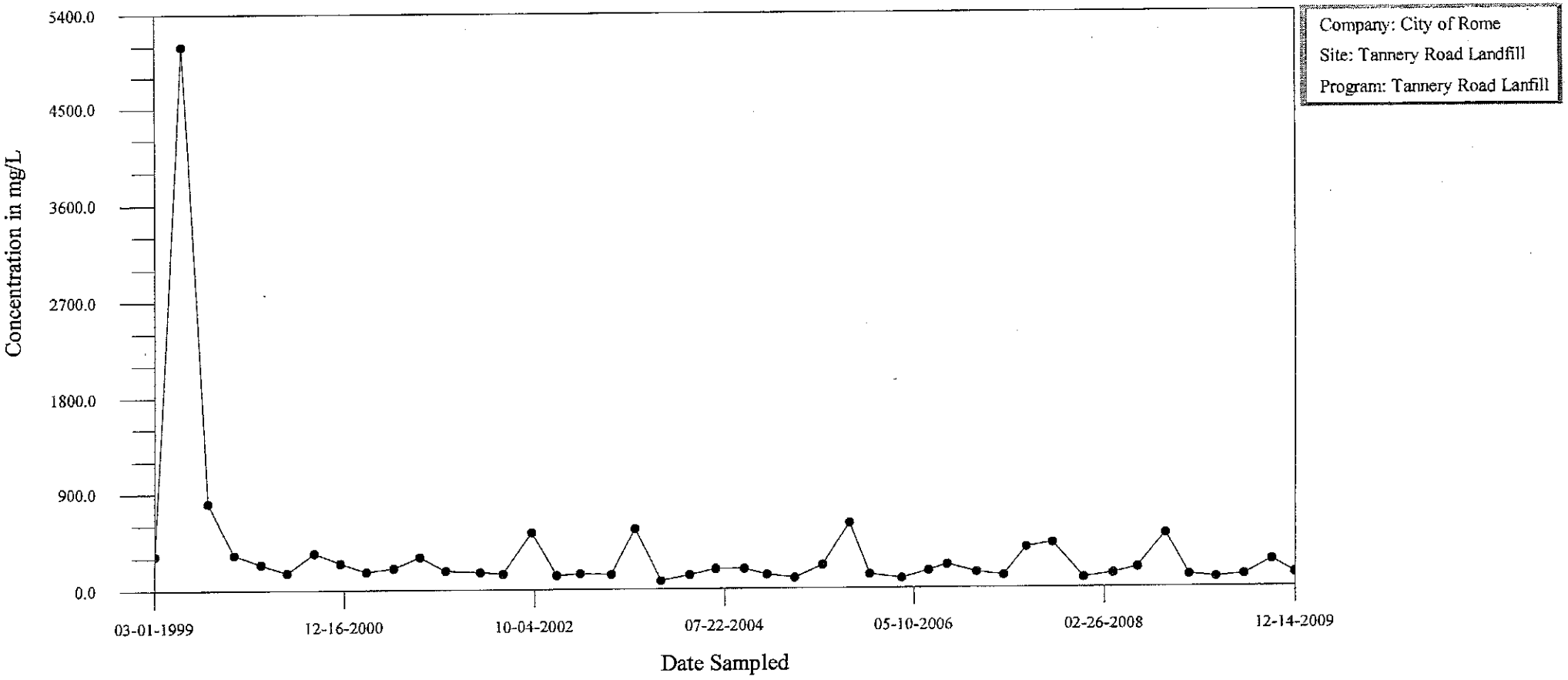
Time-Series Plot

Total Alkalinity, MW-4S



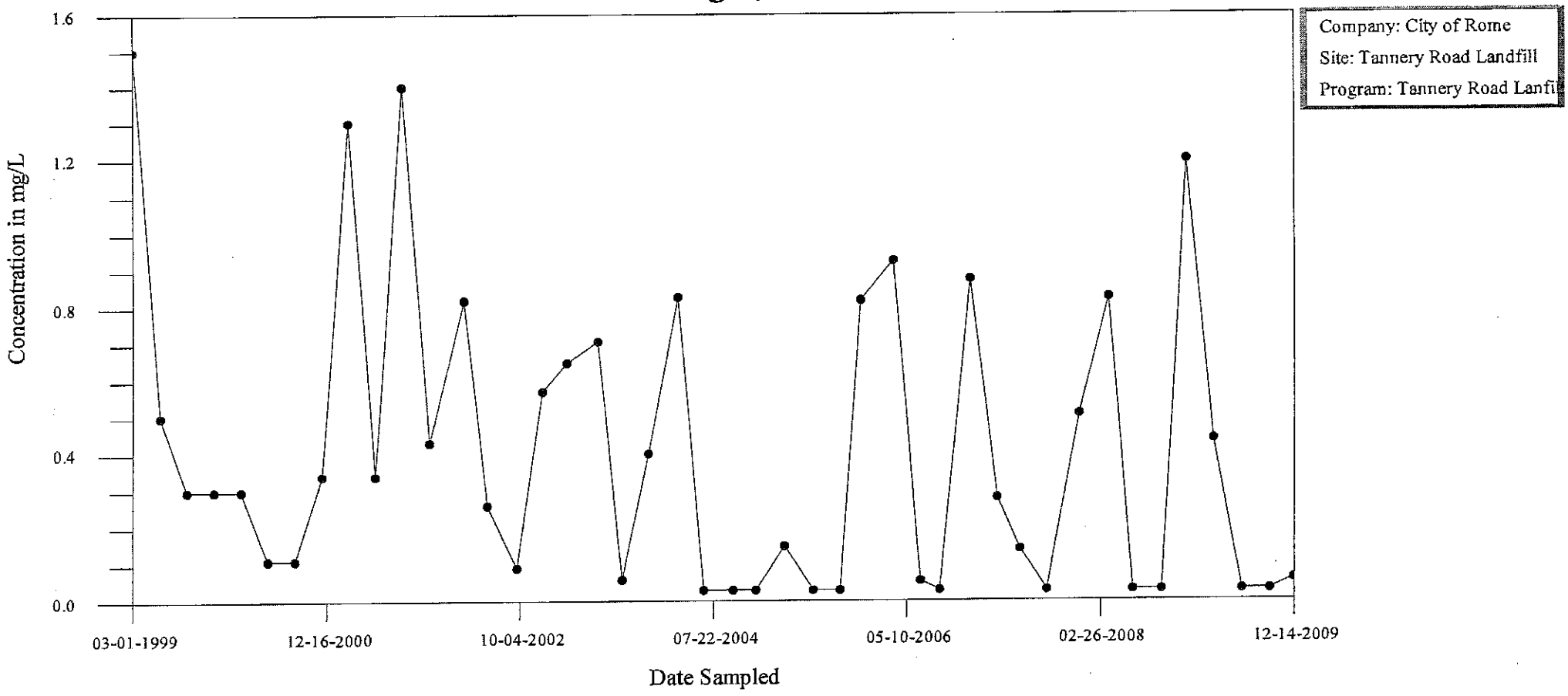
Time-Series Plot

Total Dissolved Solids, MW-4S

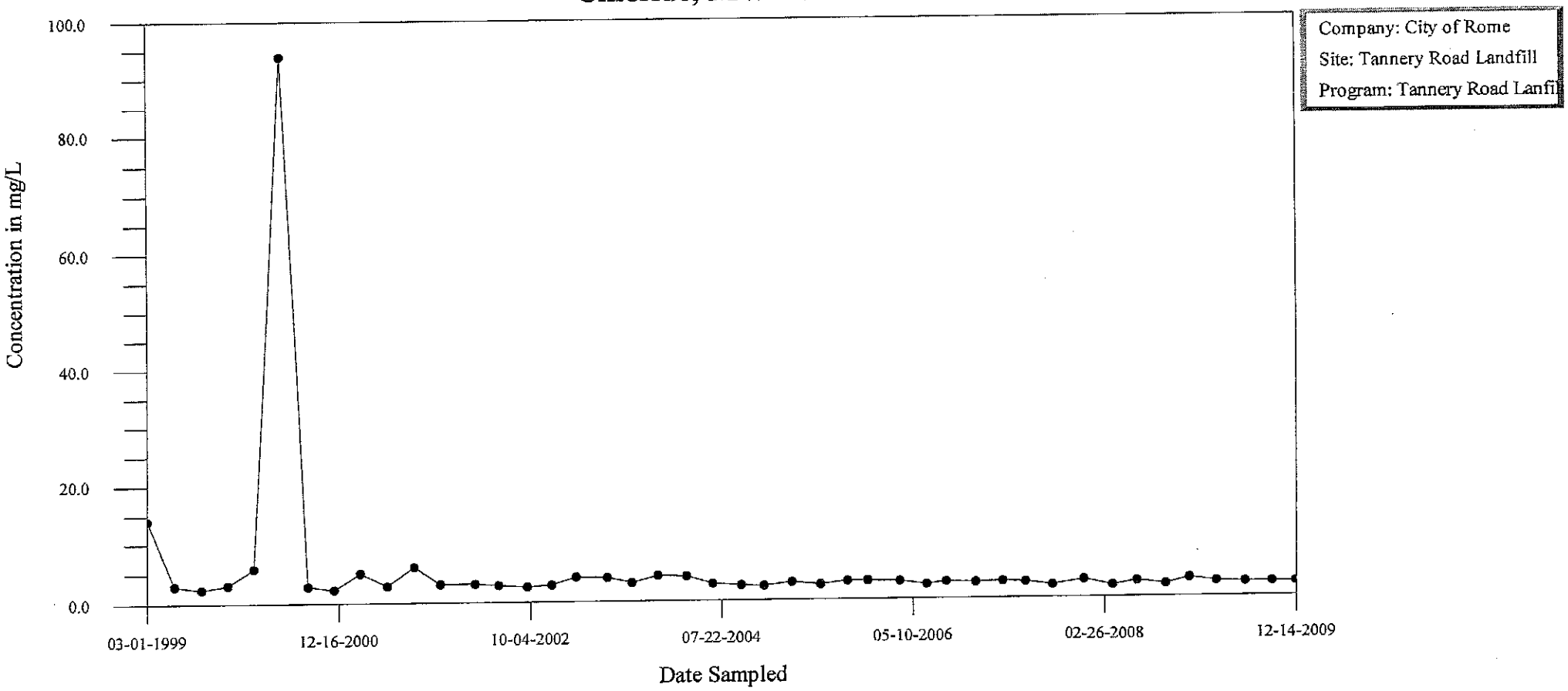


Time-Series Plot

Ammonia-Nitrogen, MW-5S

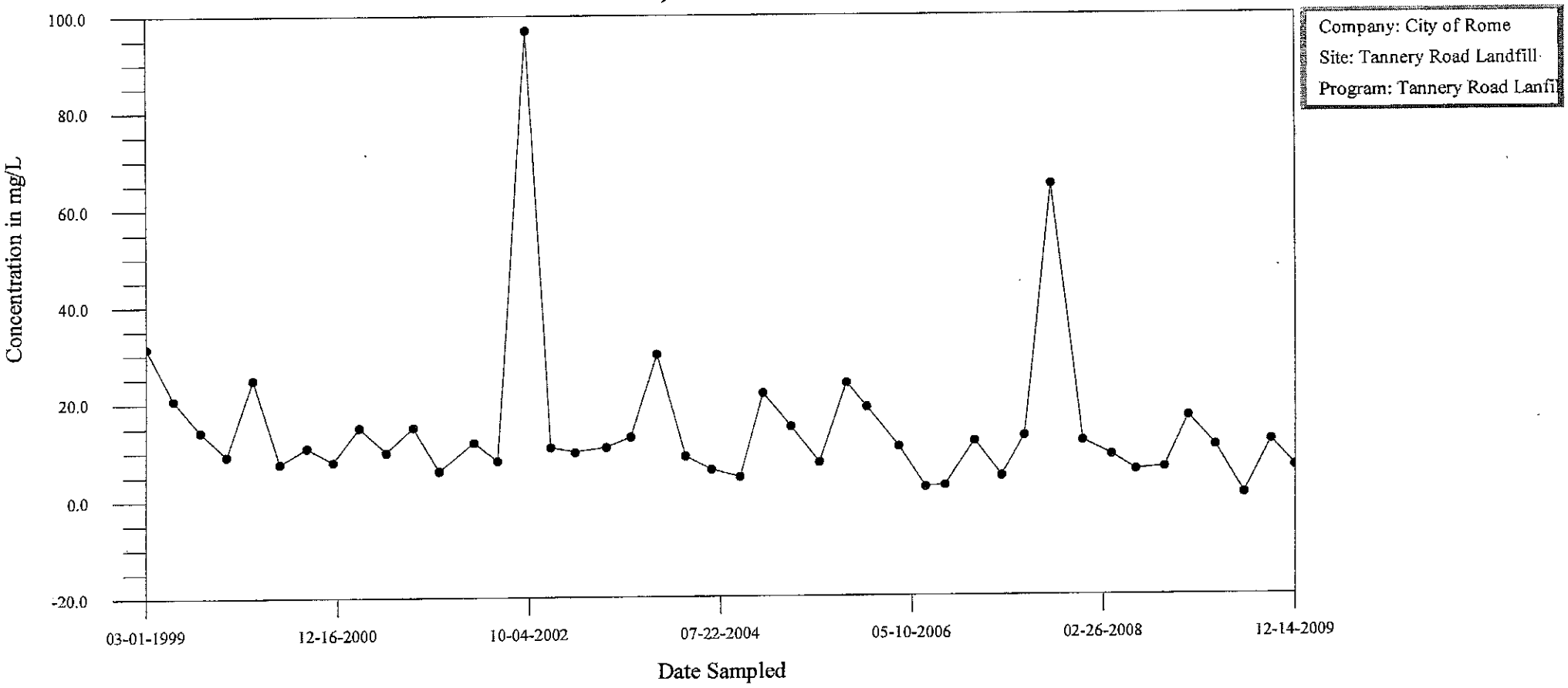


Time-Series Plot
Chloride, MW-5S



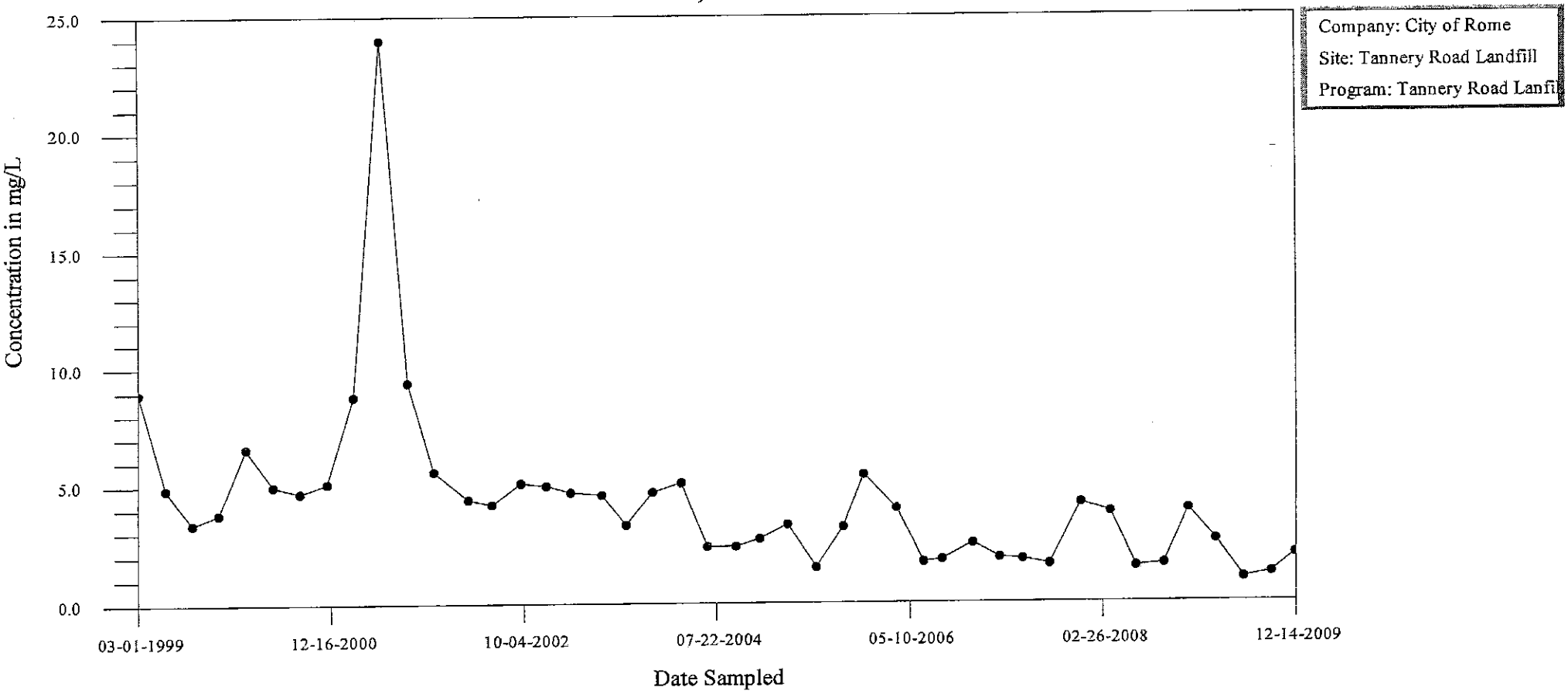
Time-Series Plot

Iron, MW-5S



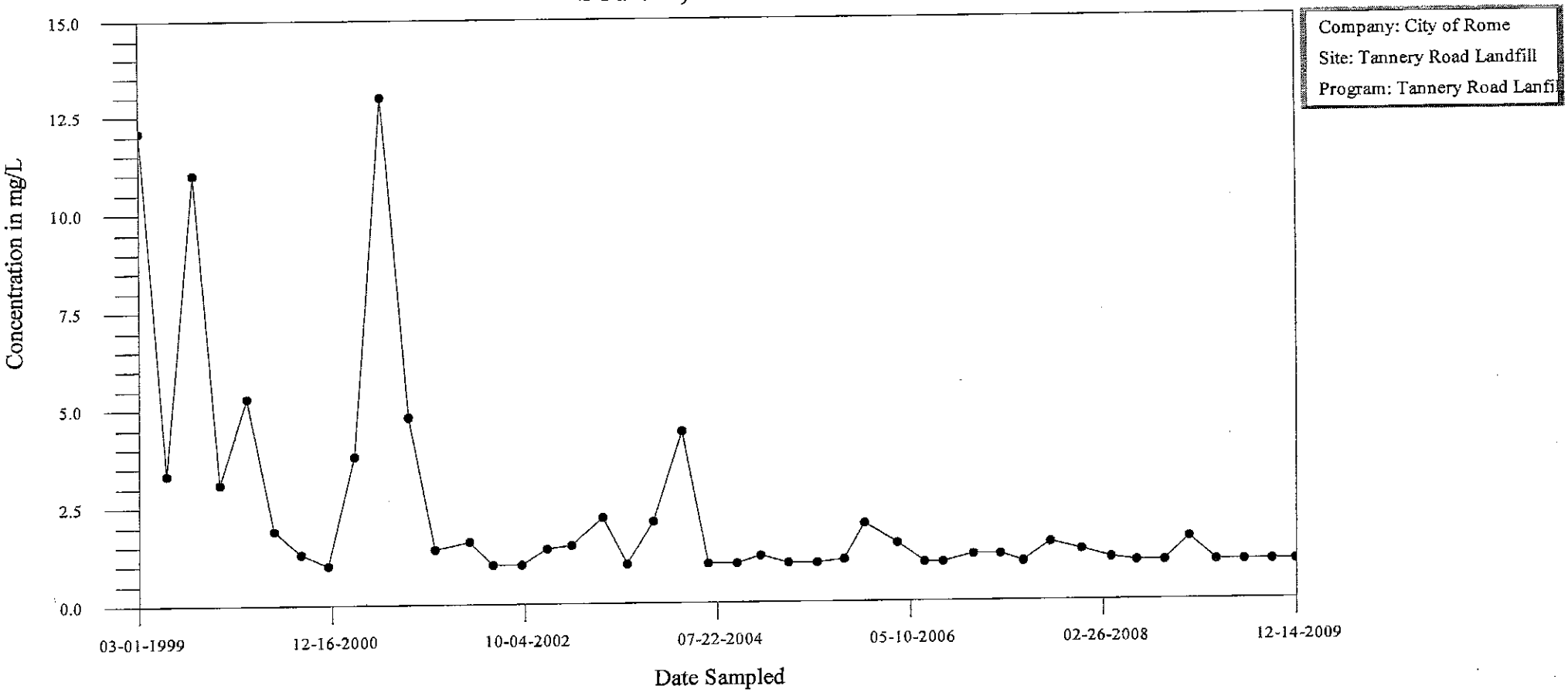
Time-Series Plot

Potassium, MW-5S



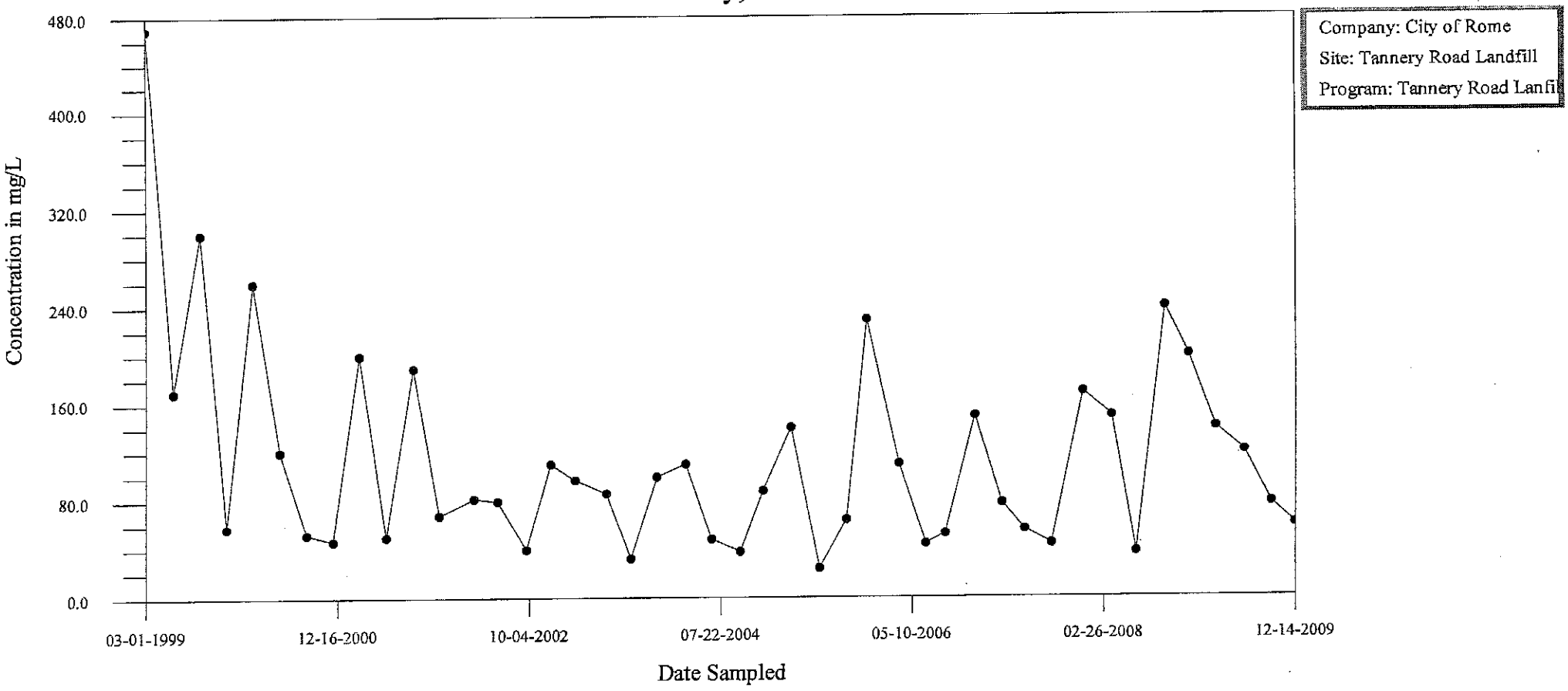
Time-Series Plot

Sodium, MW-5S



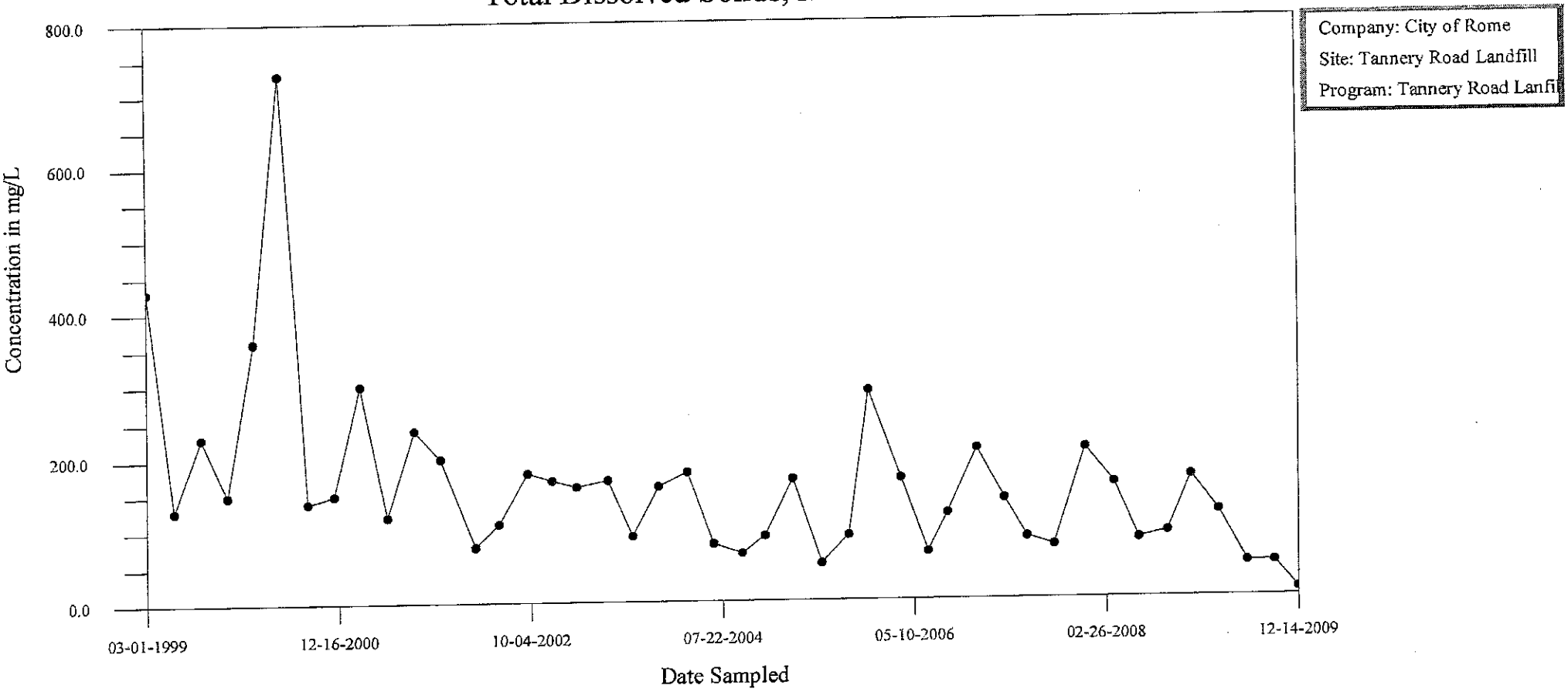
Time-Series Plot

Total Alkalinity, MW-5S



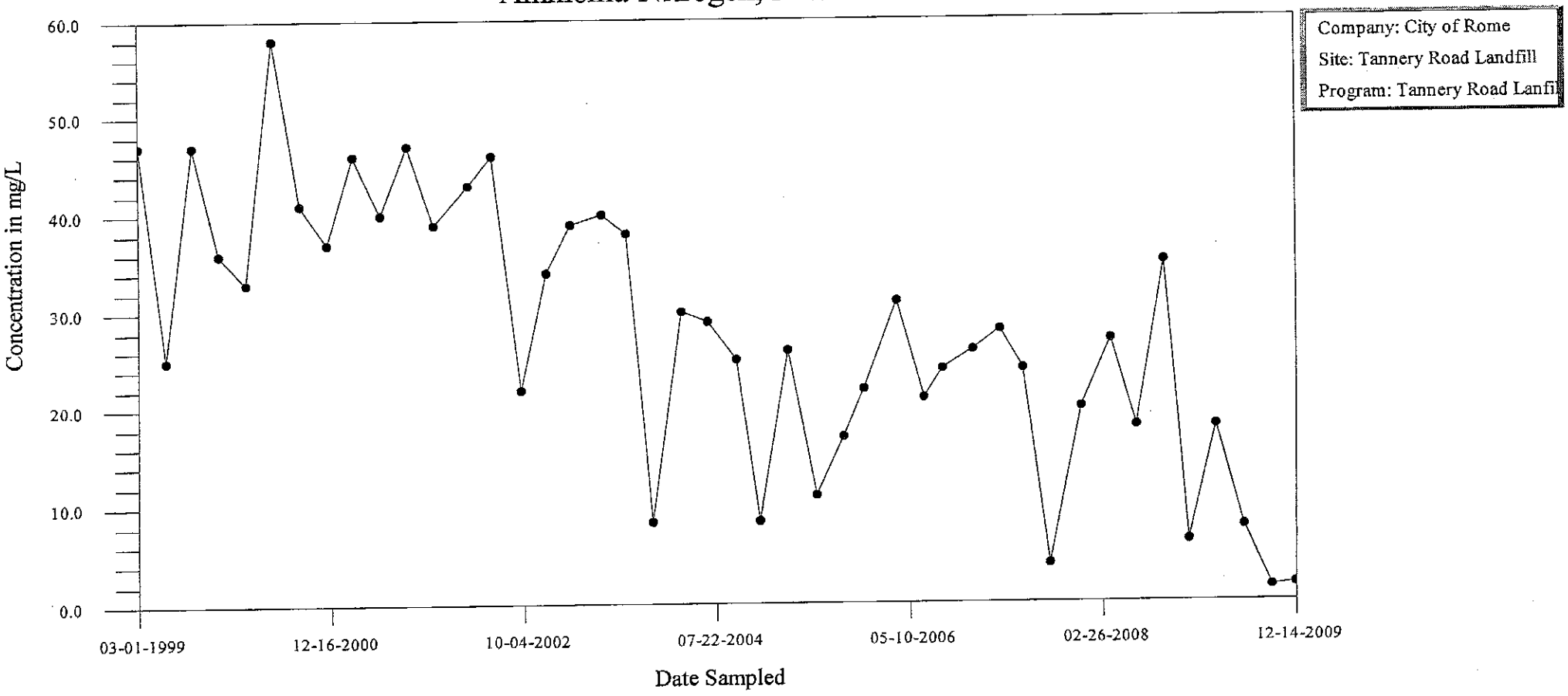
Time-Series Plot

Total Dissolved Solids, MW-5S



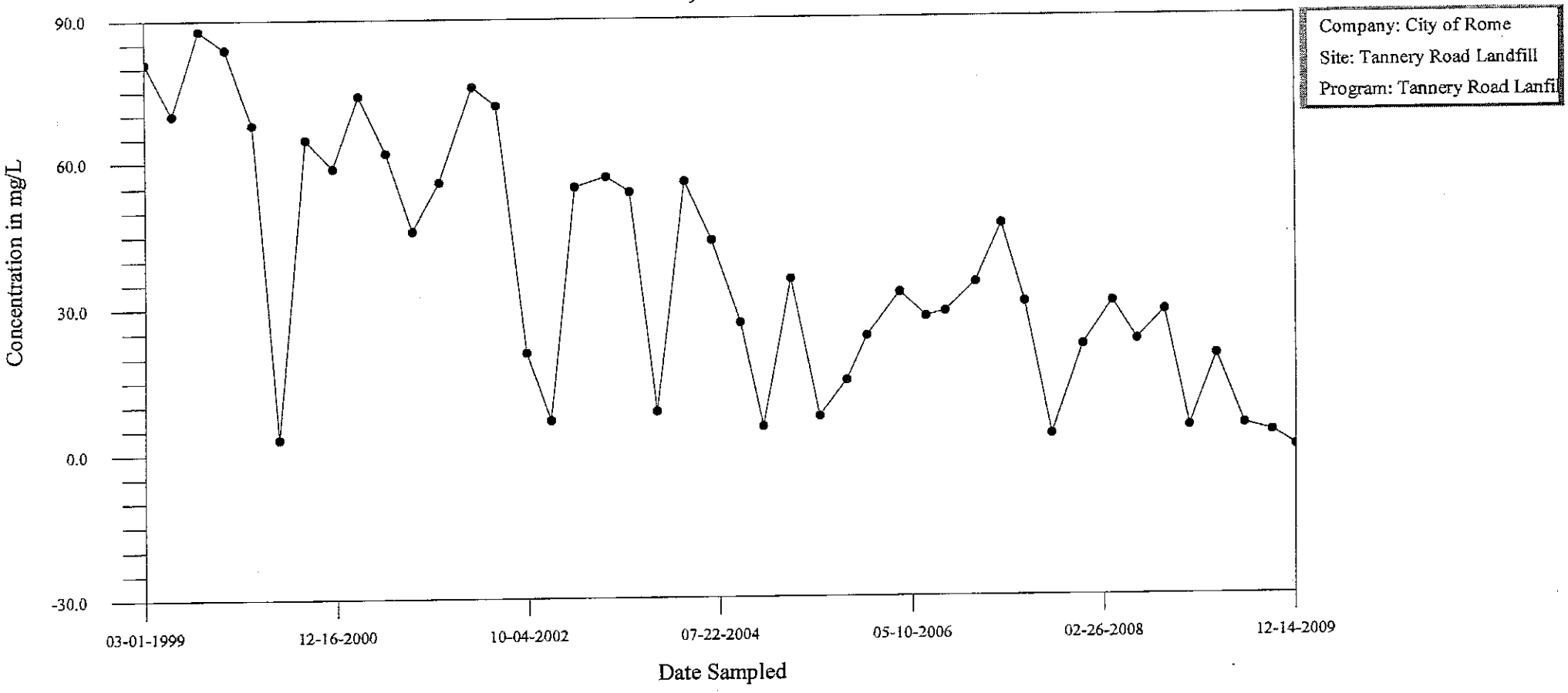
Time-Series Plot

Ammonia-Nitrogen, MW-7D



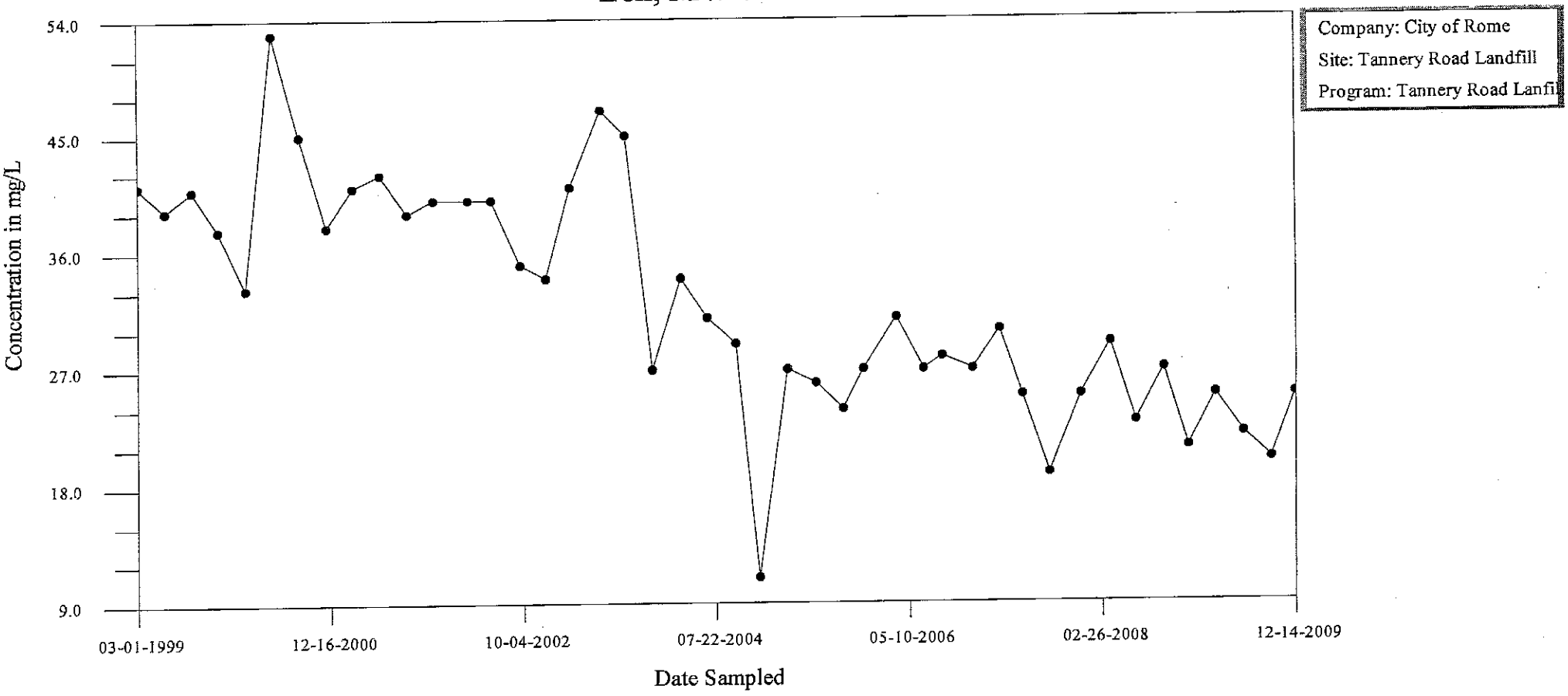
Time-Series Plot

Chloride, MW-7D



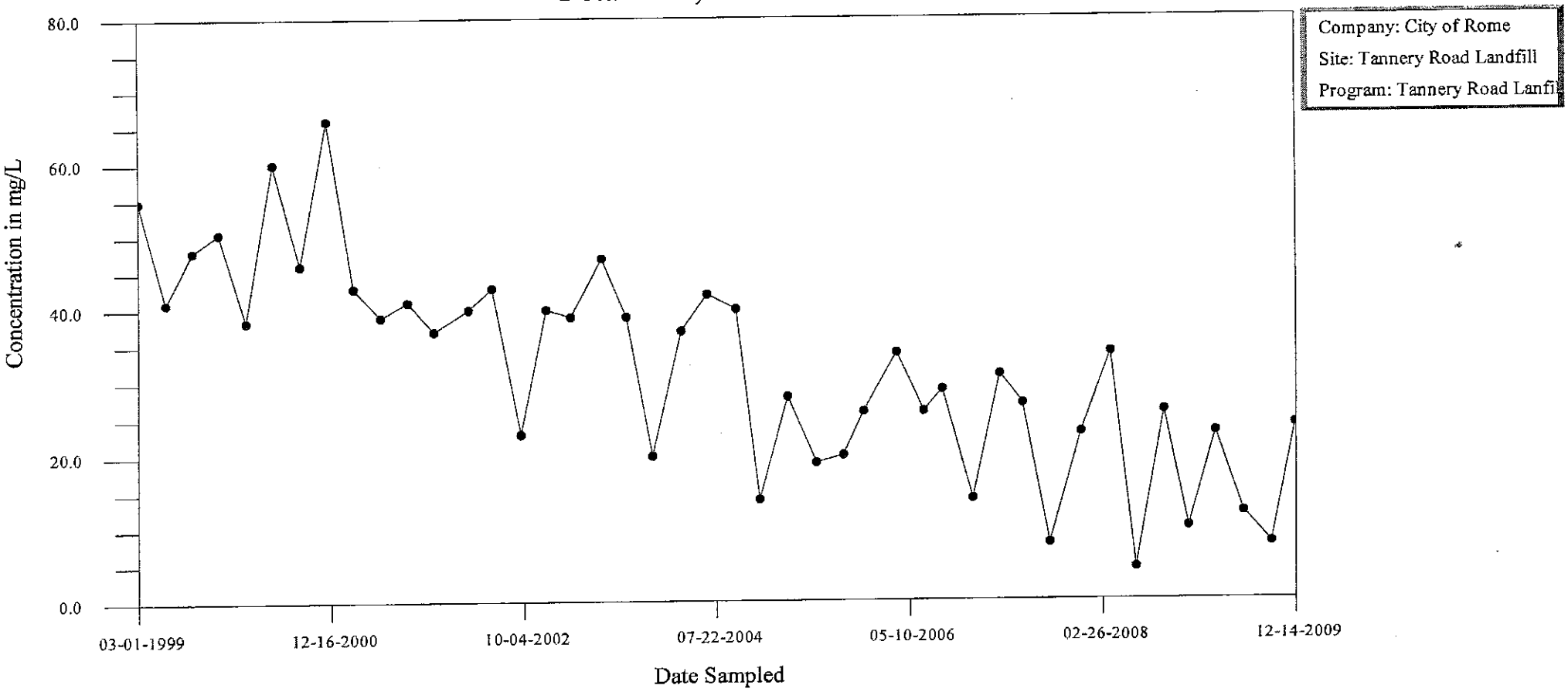
Time-Series Plot

Iron, MW-7D



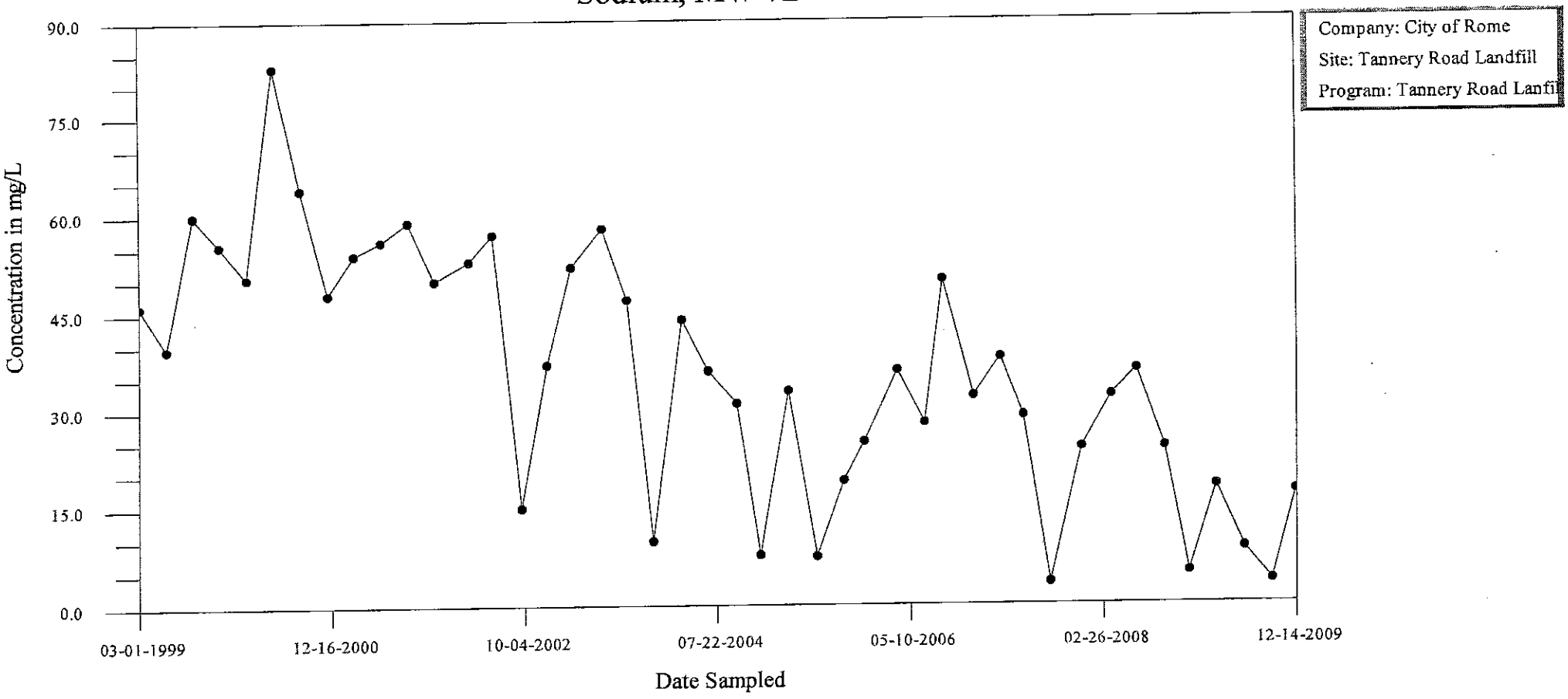
Time-Series Plot

Potassium, MW-7D



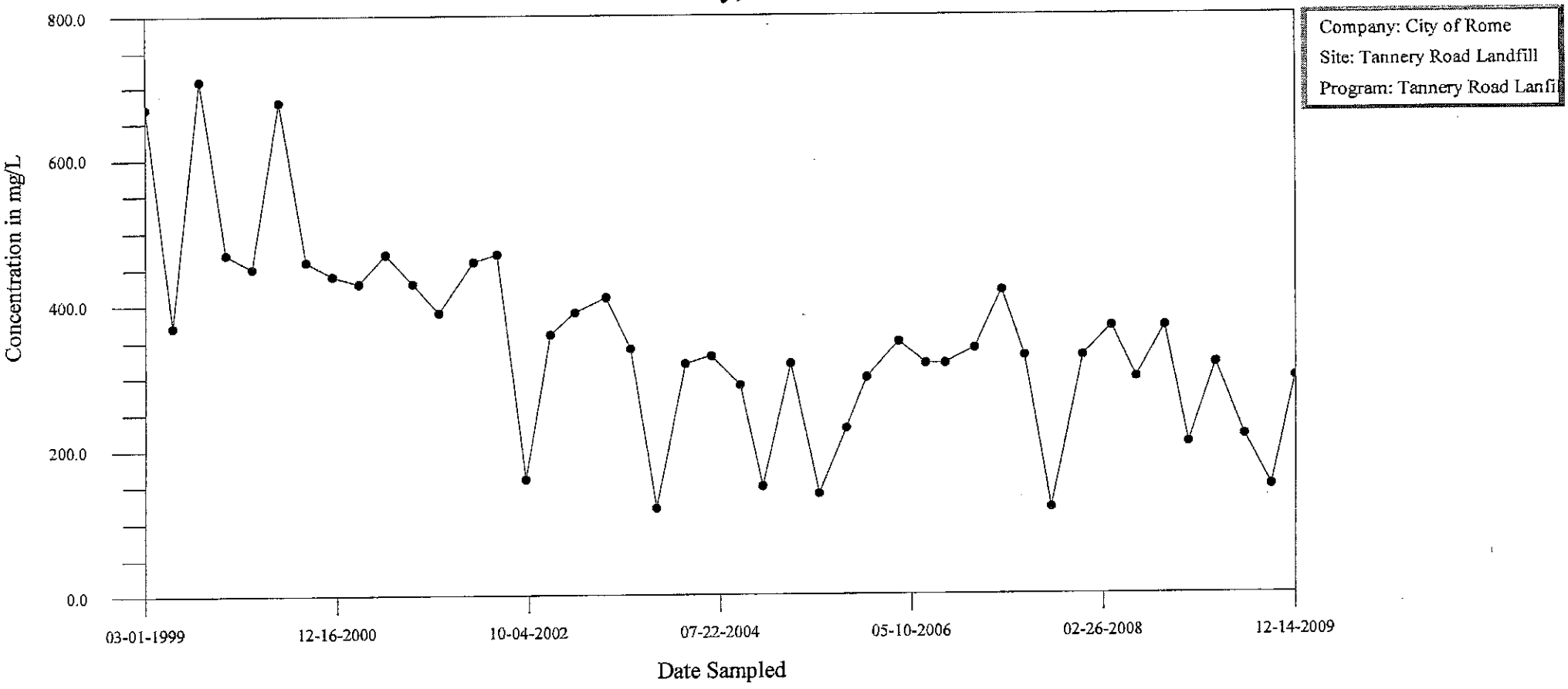
Time-Series Plot

Sodium, MW-7D



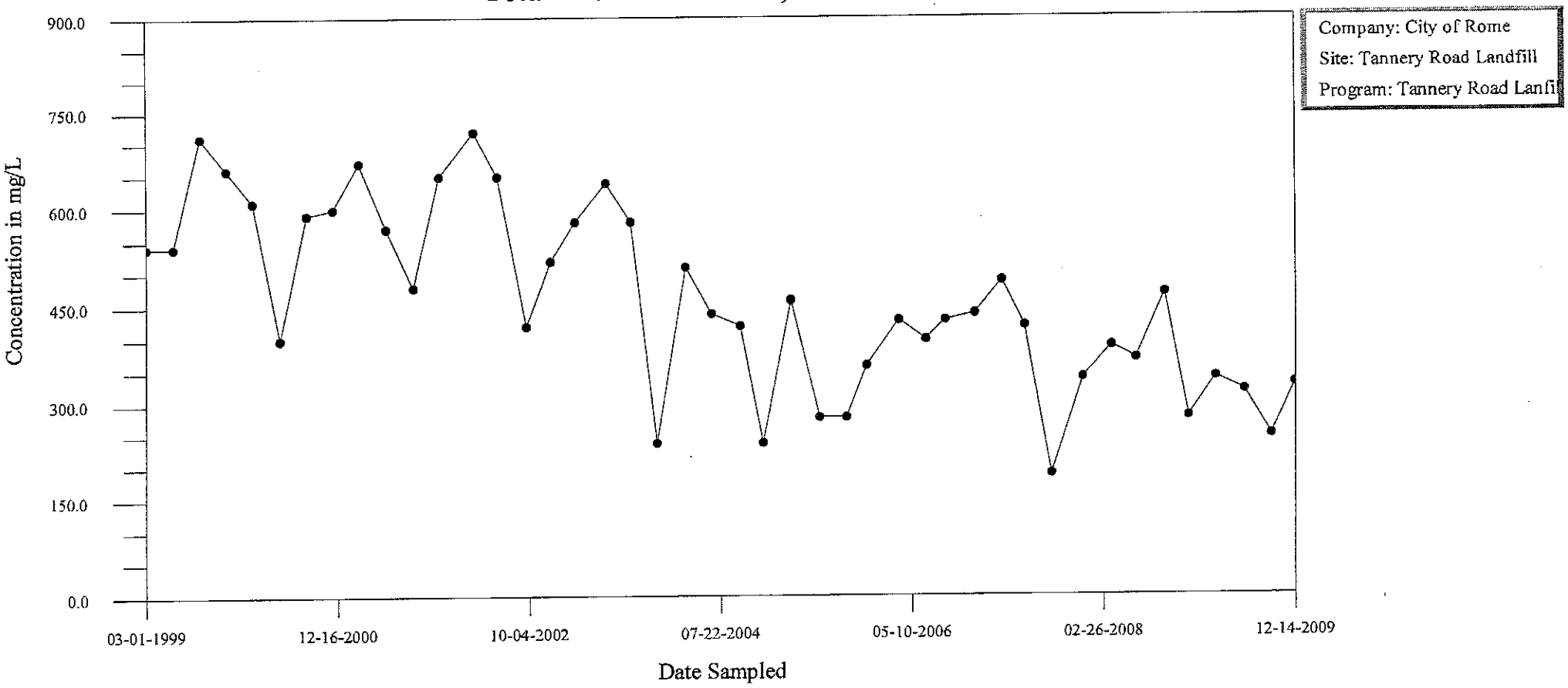
Time-Series Plot

Total Alkalinity, MW-7D



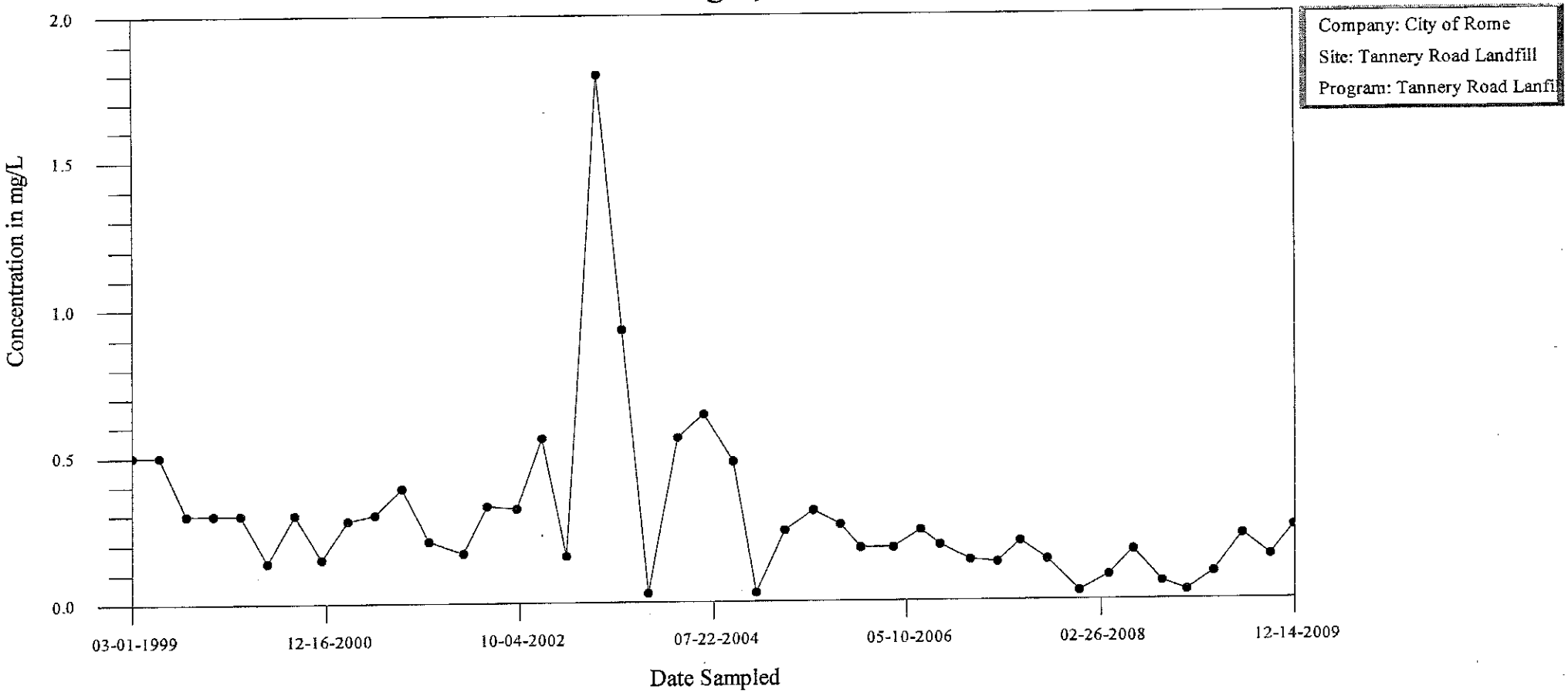
Time-Series Plot

Total Dissolved Solids, MW-7D



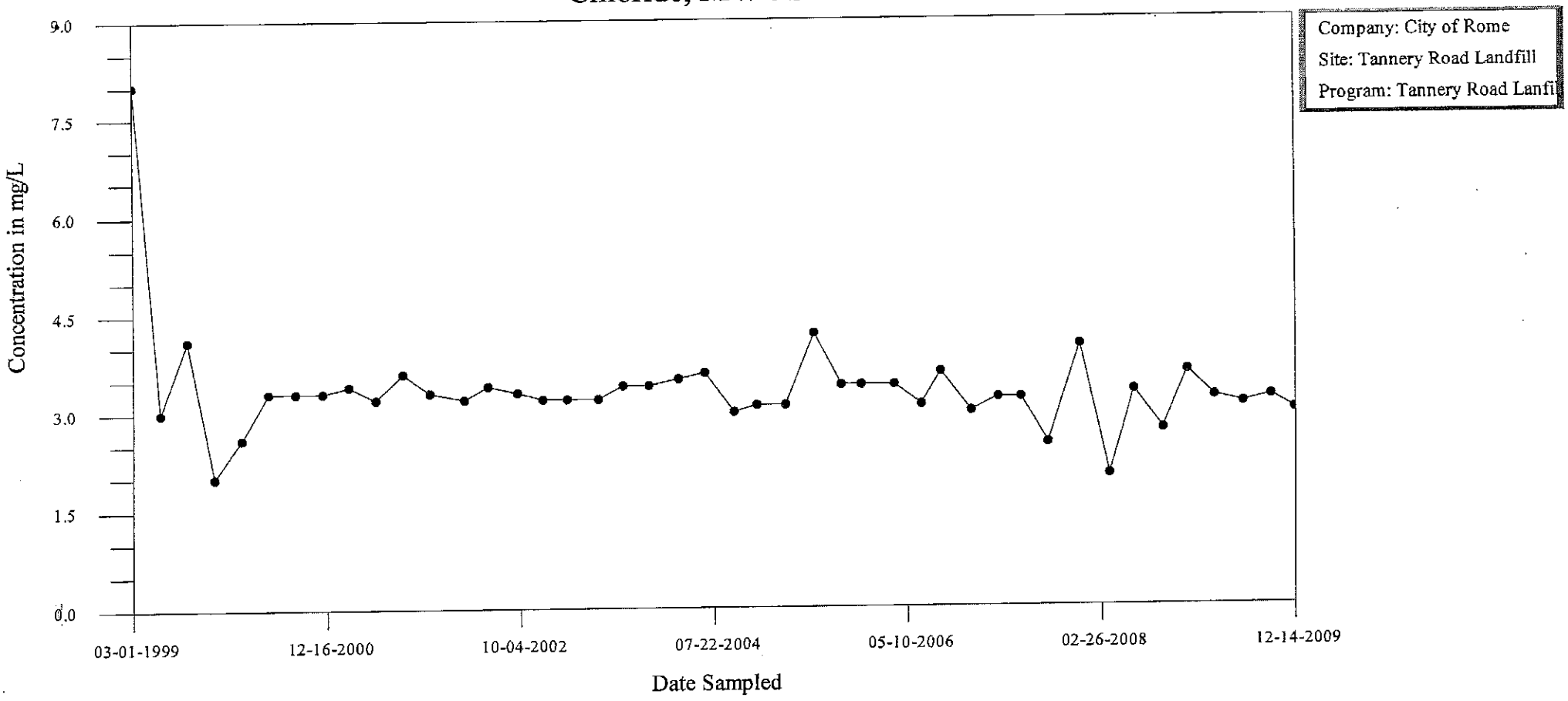
Time-Series Plot

Ammonia-Nitrogen, MW-9S

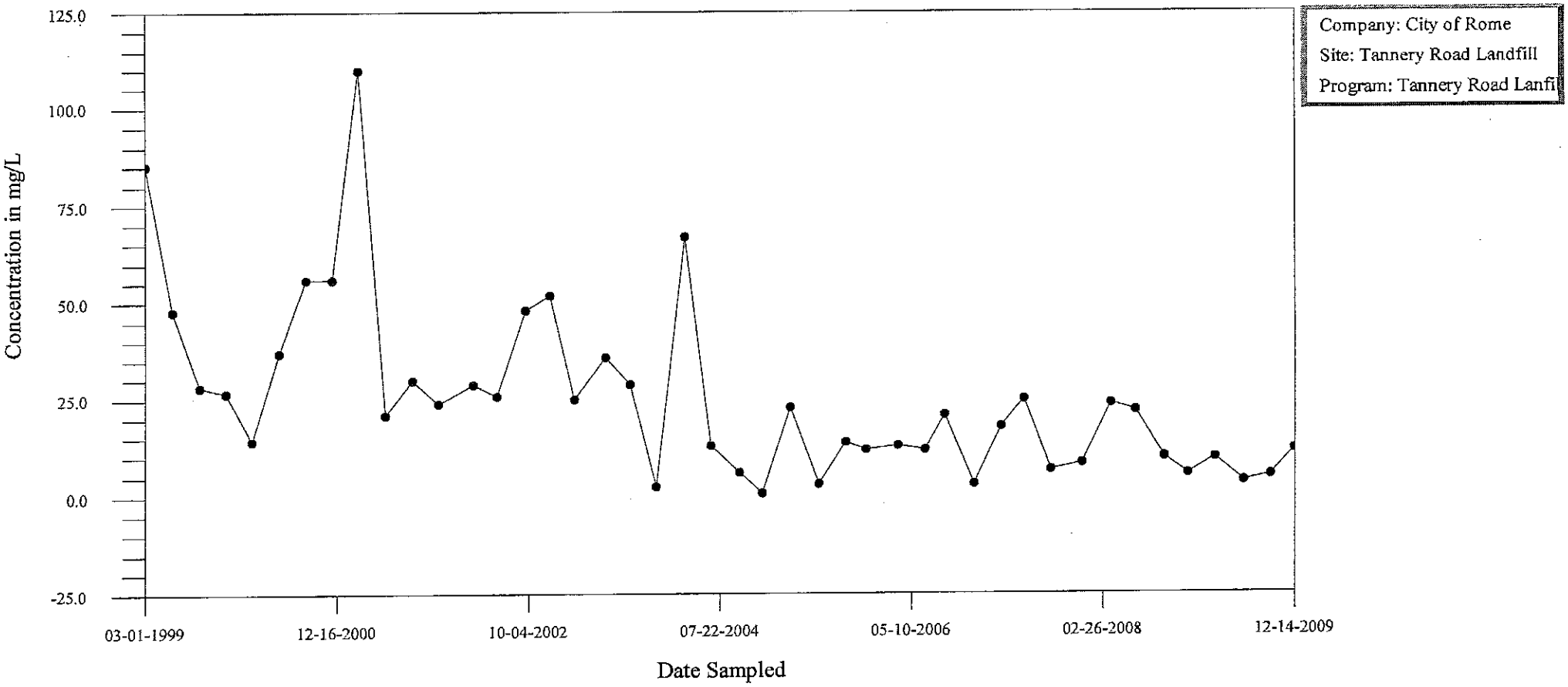


Time-Series Plot

Chloride, MW-9S

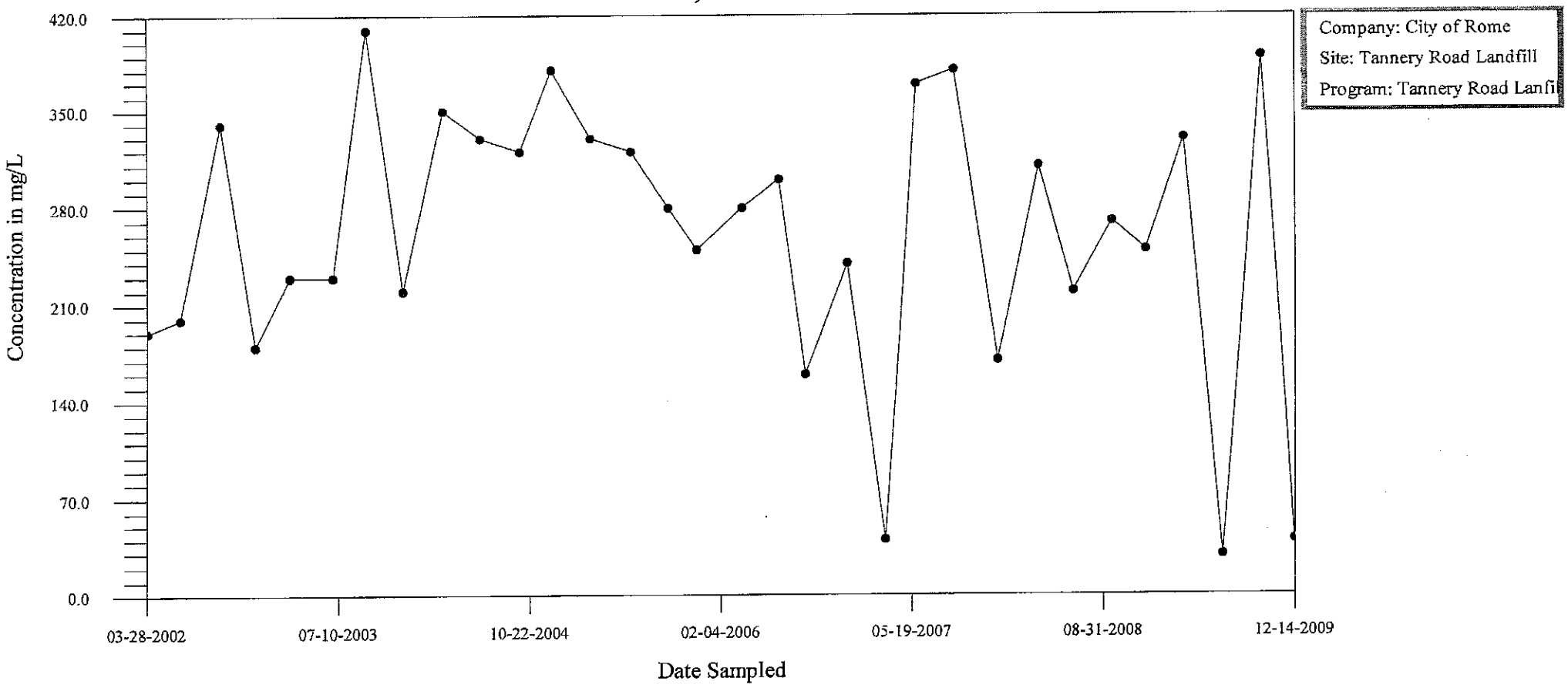


Time-Series Plot
Iron, MW-9S



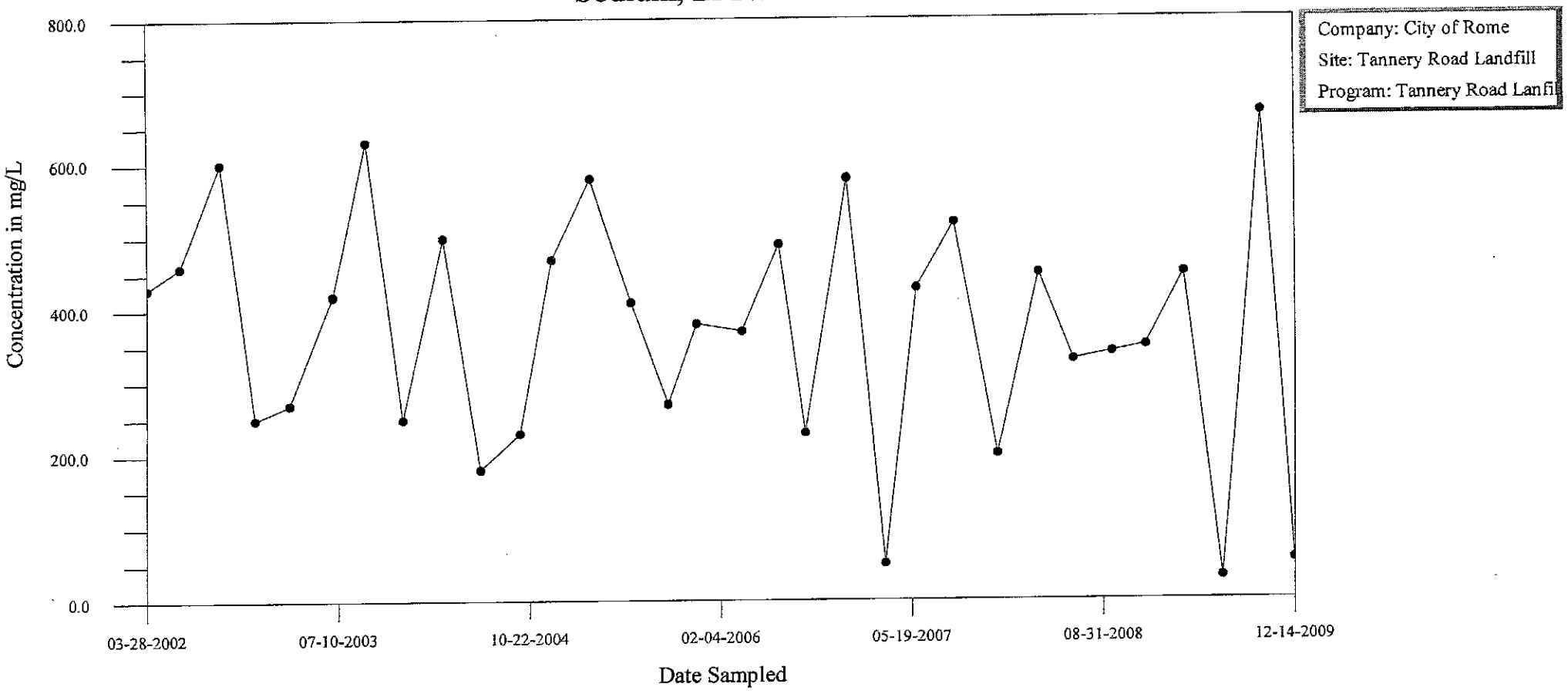
Time-Series Plot

Potassium, LMW-10



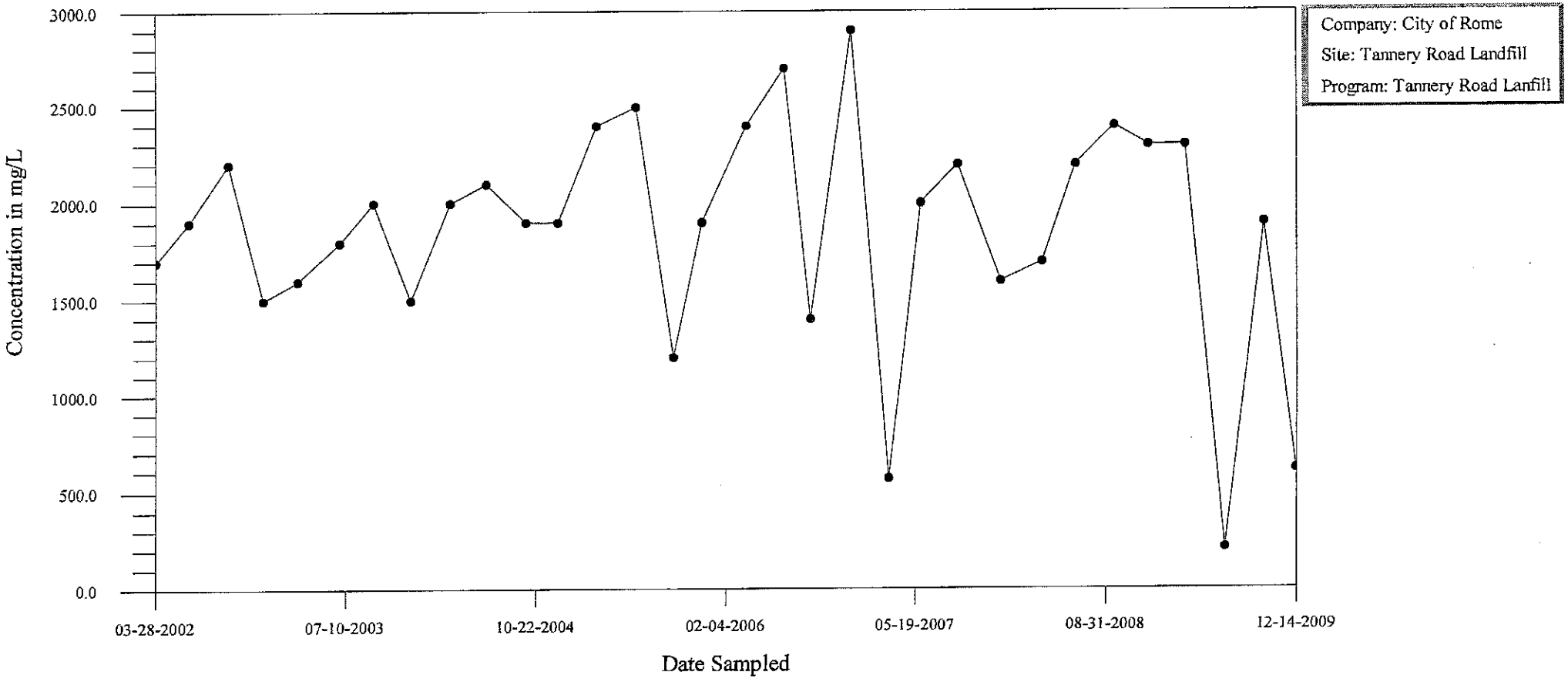
Time-Series Plot

Sodium, LMW-10



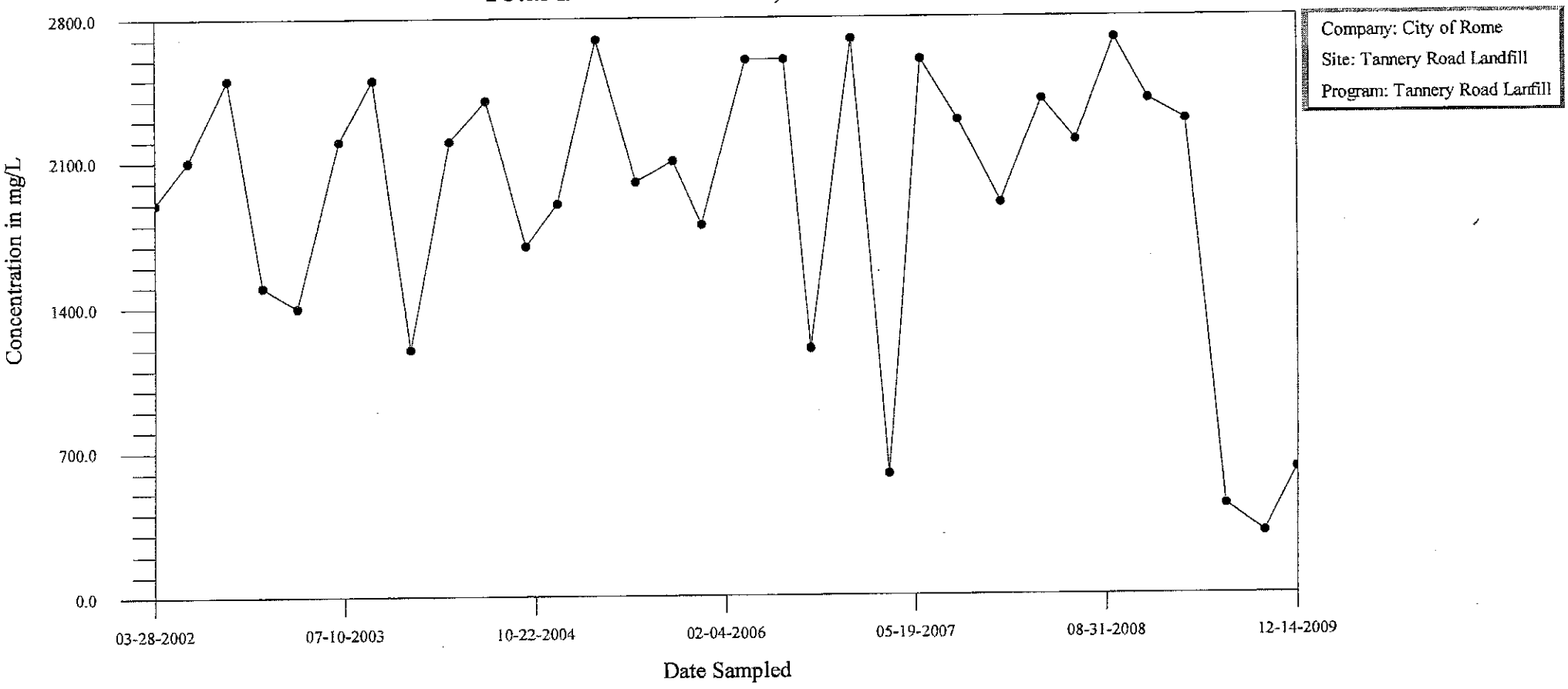
Time-Series Plot

Total Alkalinity, LMW-10



Time-Series Plot

Total Dissolved Solids, LMW-10

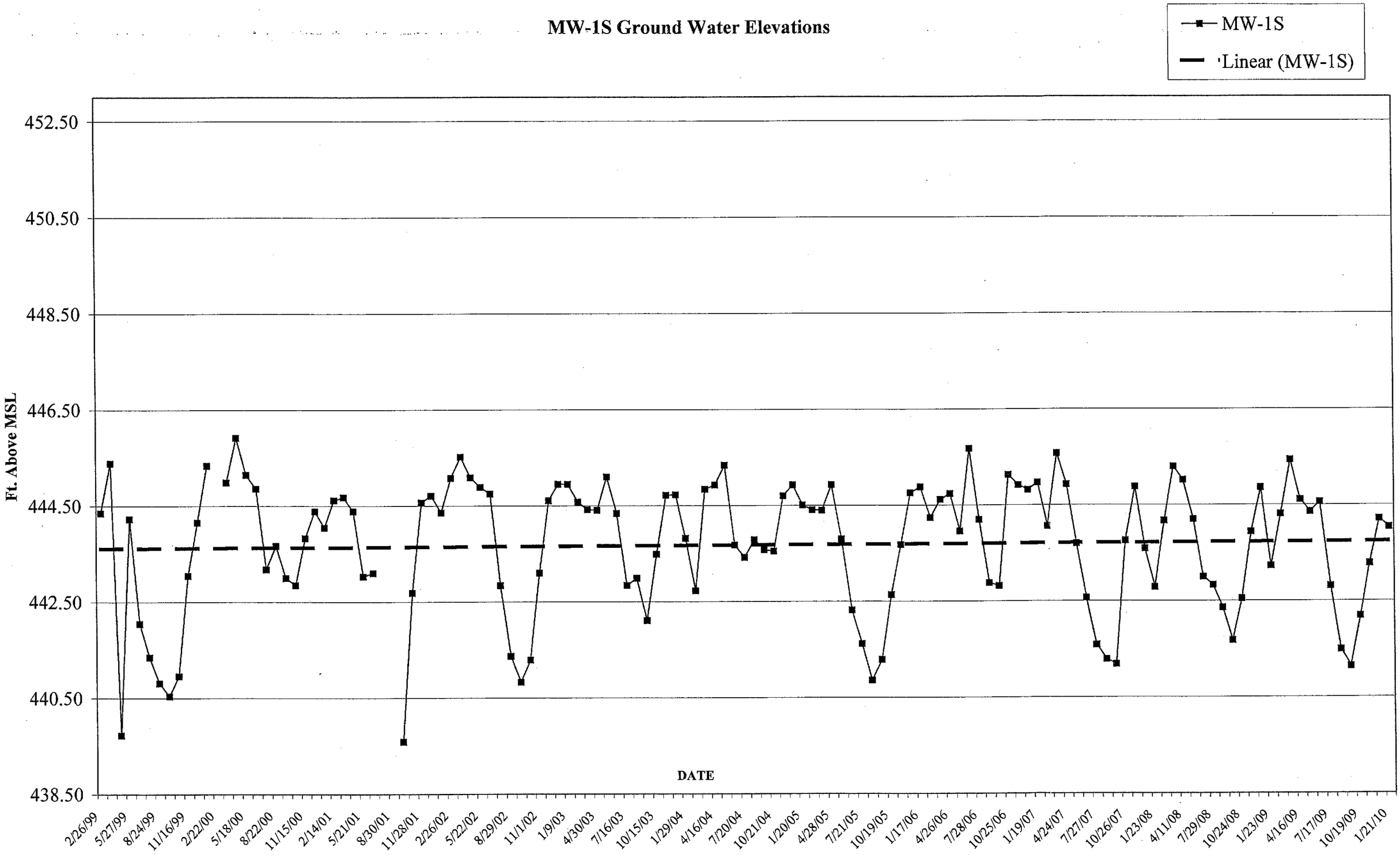


APPENDIX C

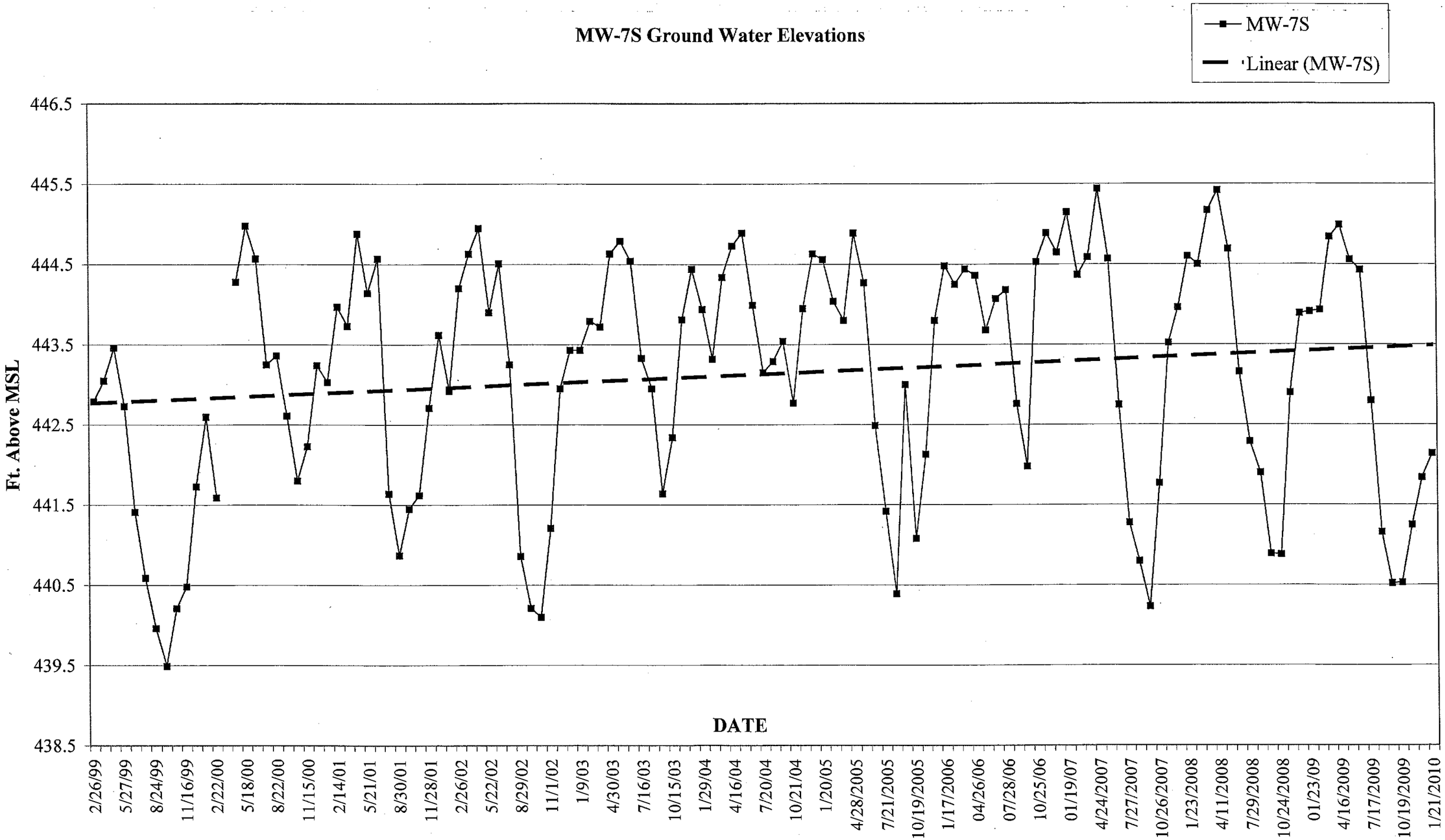
MONITORING WELL AND LEACHATE WELL

GROUND WATER ELEVATION DATA

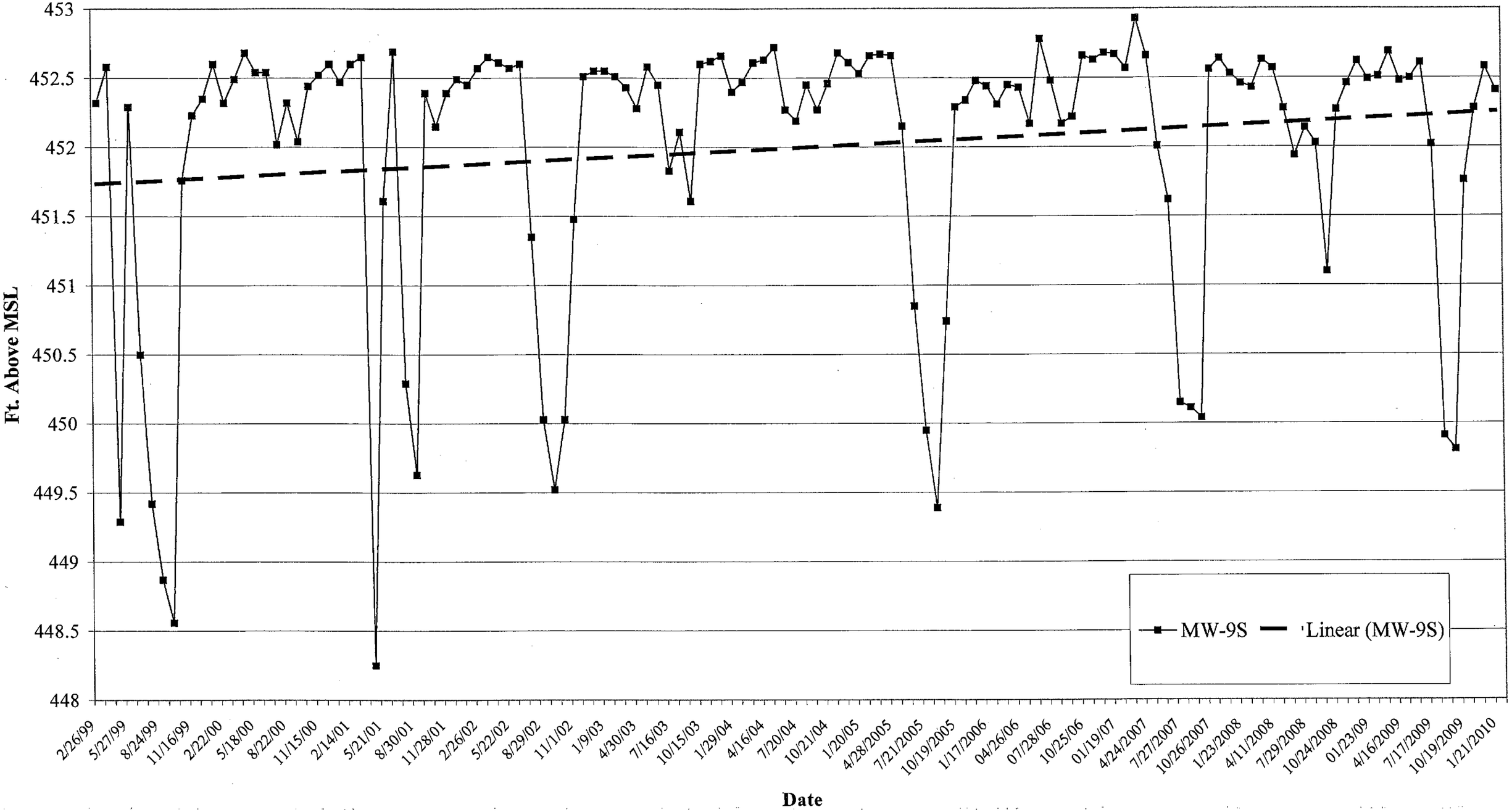
MW-1S Ground Water Elevations



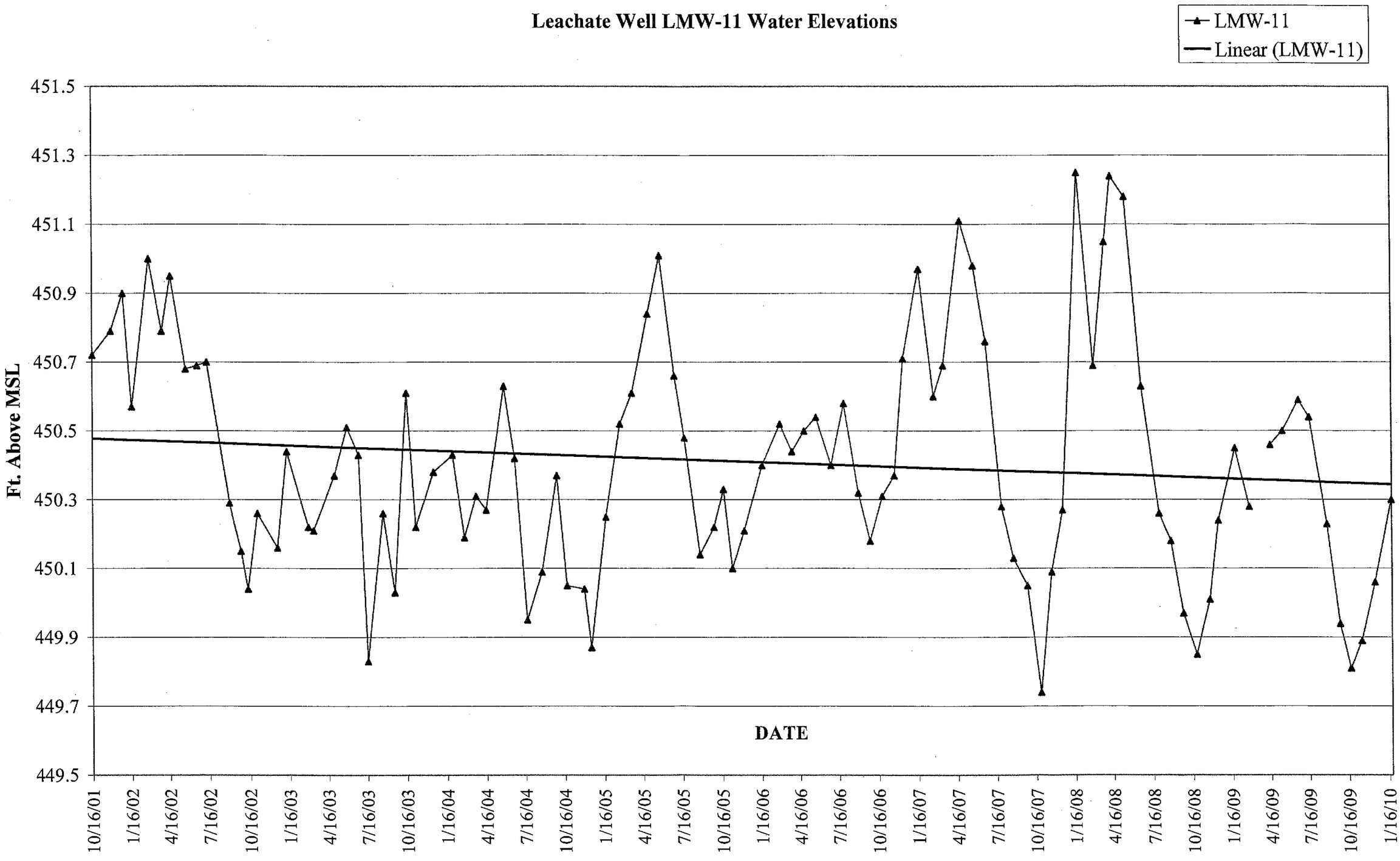
MW-7S Ground Water Elevations



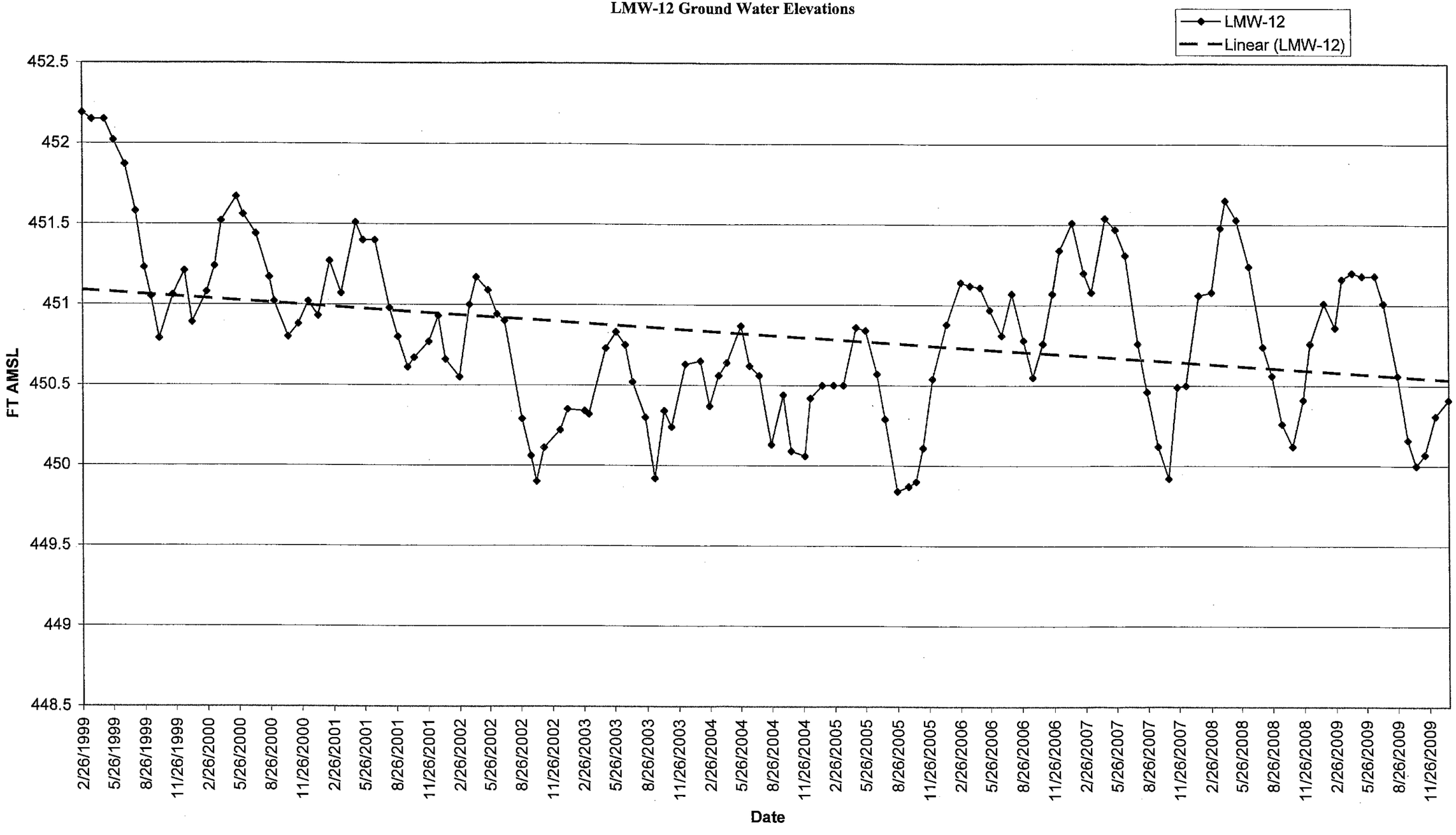
MW-9S Ground Water Elevations

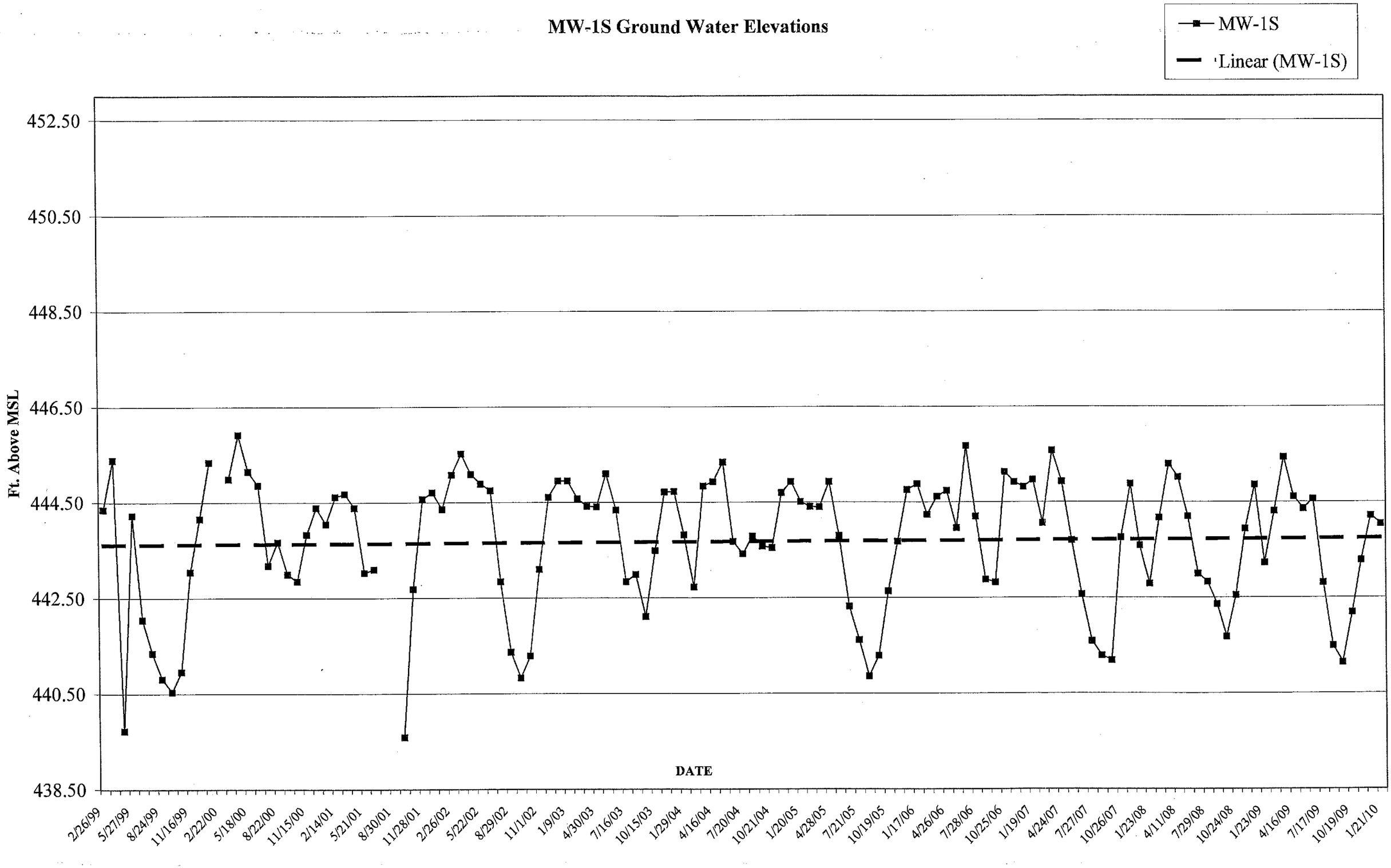


Leachate Well LMW-11 Water Elevations



LMW-12 Ground Water Elevations




MW-1S Ground Water Elevations
MW-1S
Linear (MW-1S)
452.50
450.50
448.50
446.50
444.50
442.50
440.50
438.50
Ft. Above MSL
DATE
2/26/99
5/27/99
8/24/99
11/16/99
2/22/00
5/18/00
8/22/00
11/15/00
2/14/01
5/21/01
8/30/01
11/28/01
2/26/02
5/22/02
8/29/02
11/1/02
1/9/03
4/30/03
7/16/03
10/15/03
1/29/04
4/16/04
7/20/04
10/21/04
1/20/05
4/28/05
7/21/05
10/19/05
1/17/06
4/26/06
7/28/06
10/25/06
1/19/07
4/24/07
7/27/07
10/26/07
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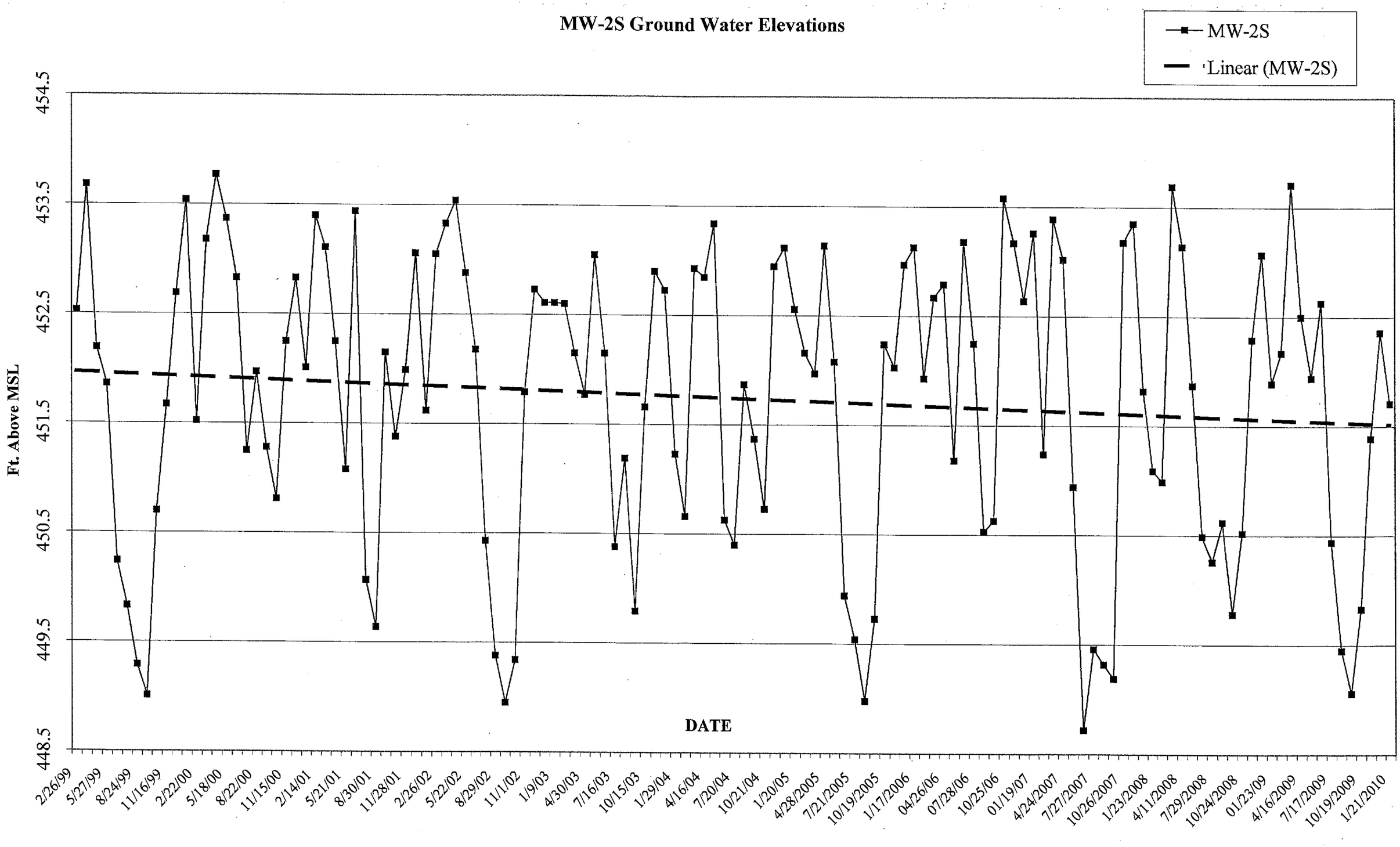
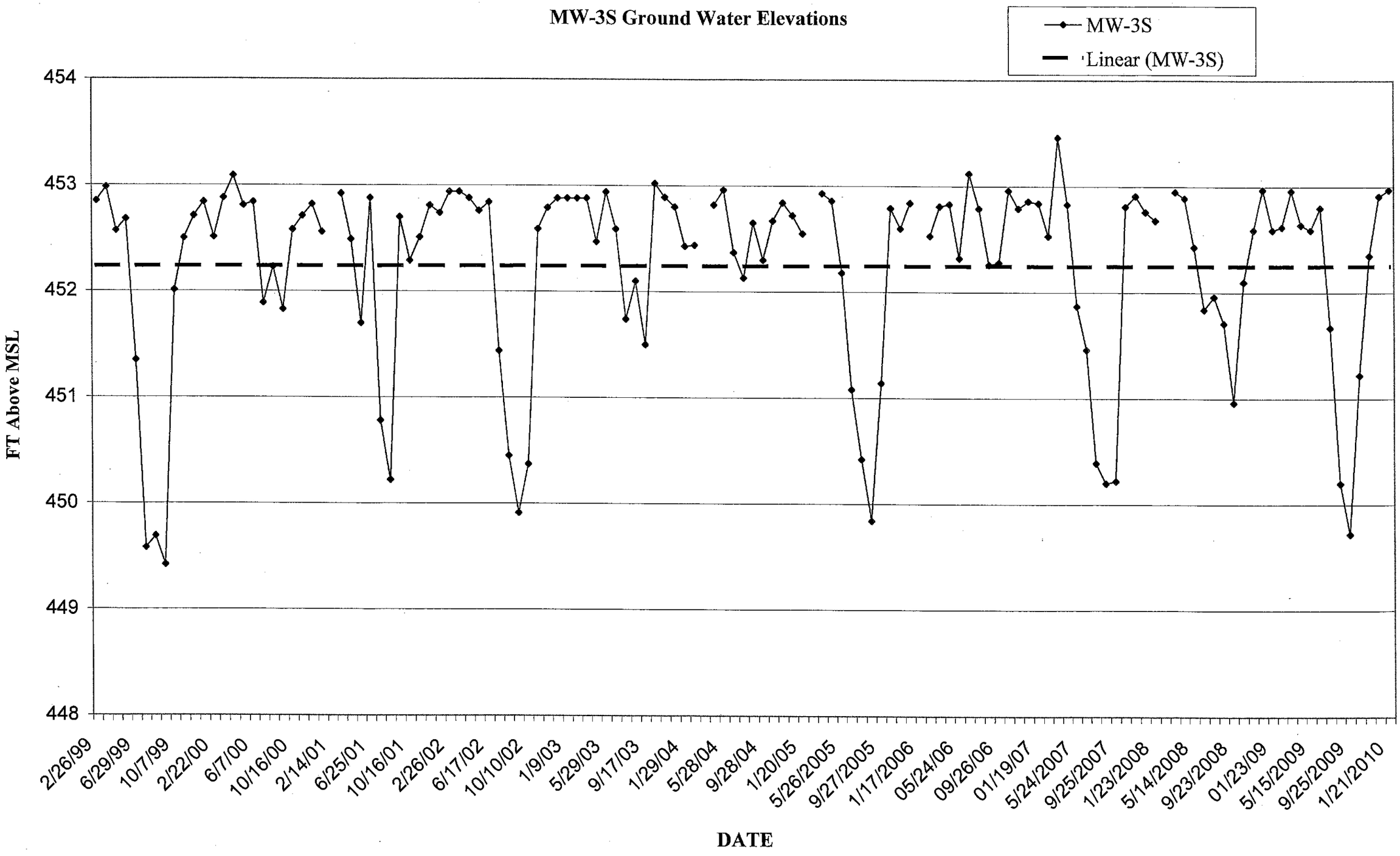
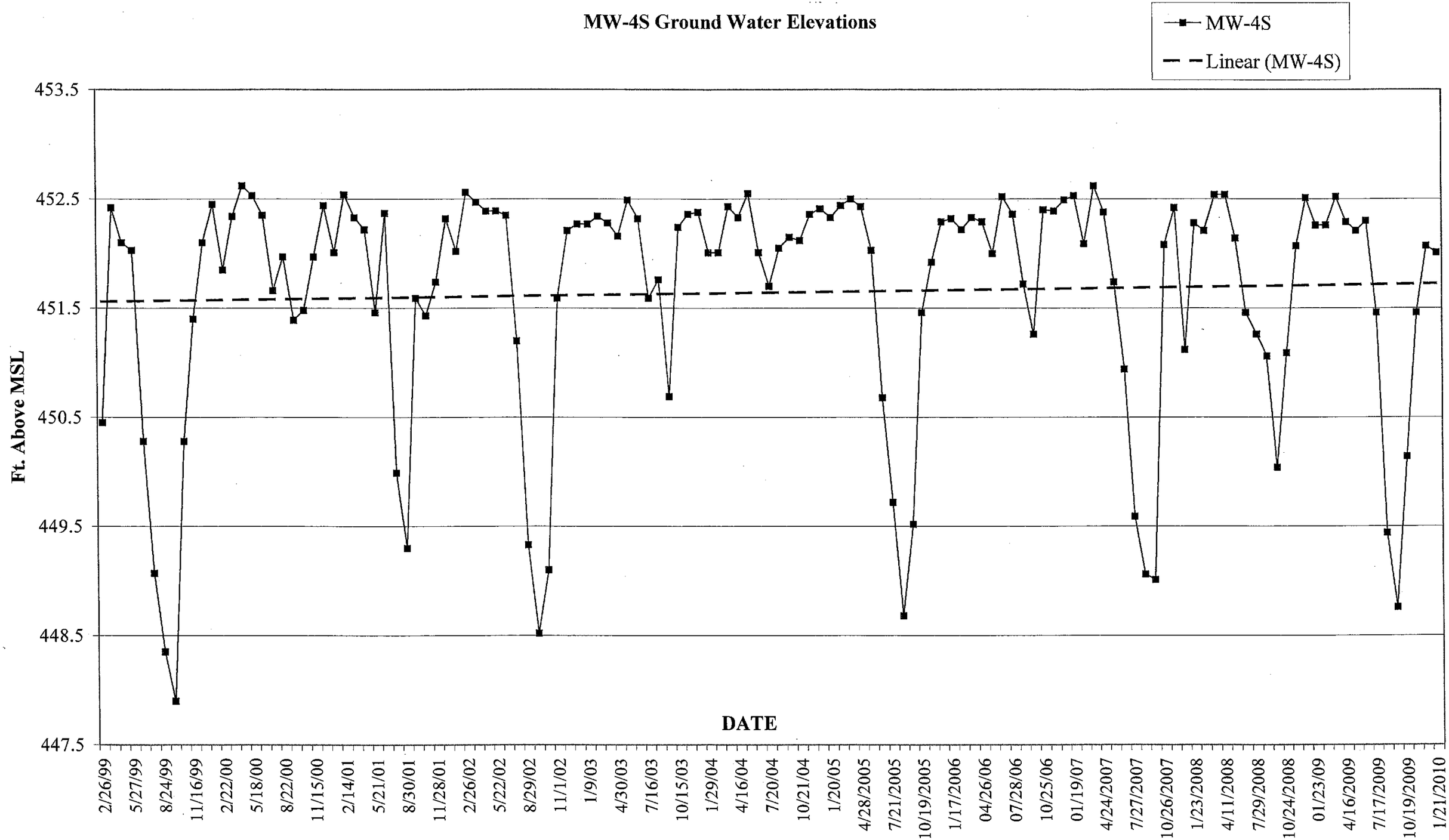
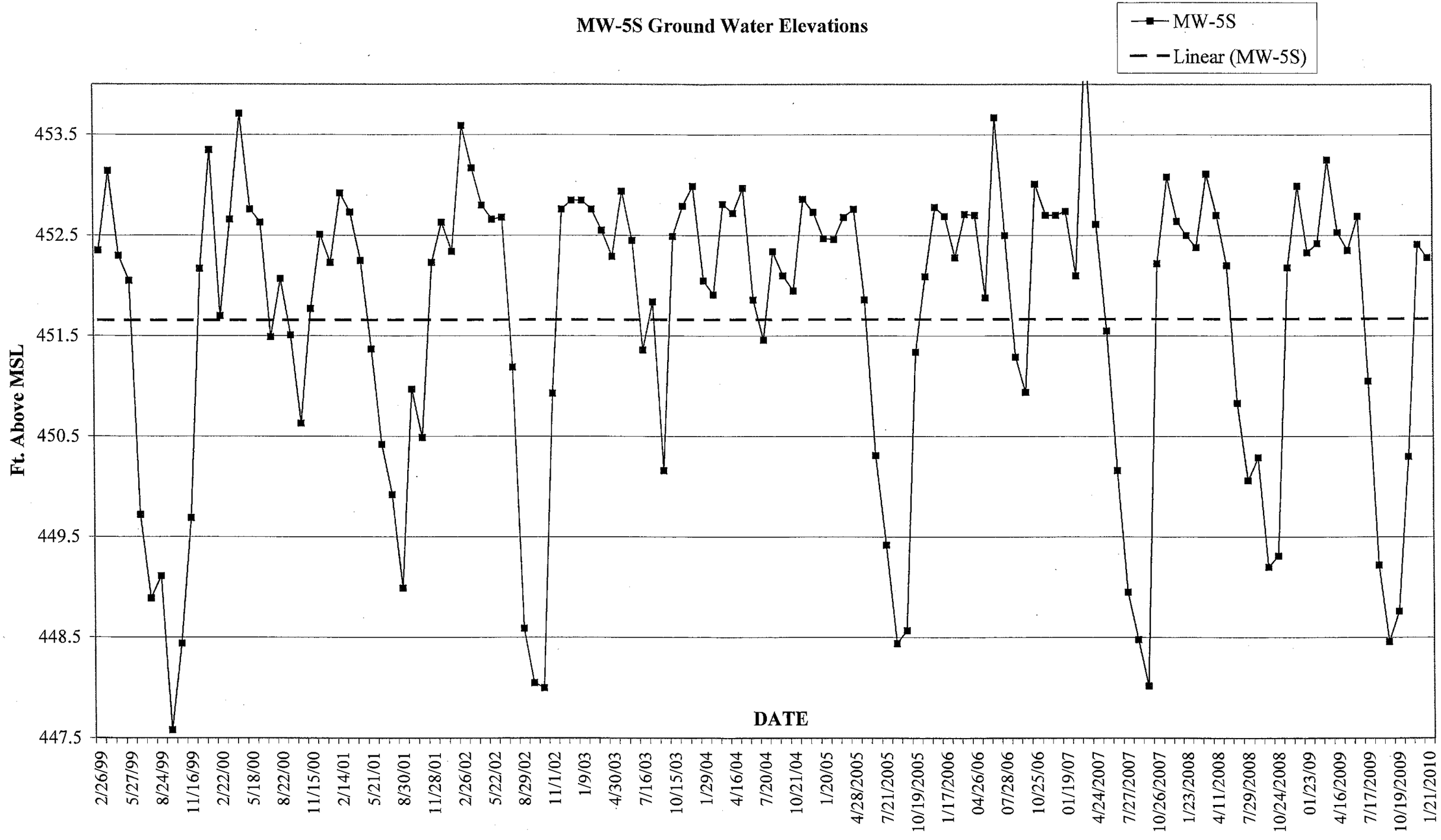
4/16/09
7/17/09
10/19/09
1/21/10


MW-2S Ground Water Elevations
MW-2S
'Linear (MW-2S)
Ft. Above MSL
454.5
453.5
452.5
451.5
450.5
449.5
448.5
DATE
2/26/99
5/27/99
8/24/99
11/16/99
2/22/00
5/18/00
8/22/00
11/15/00
2/14/01
5/21/01
8/30/01
11/28/01
2/26/02
5/22/02
8/29/02
11/1/02
1/9/03
4/30/03
7/16/03
10/15/03
1/29/04
4/16/04
7/20/04
10/21/04
1/20/05
4/28/2005
7/21/2005
10/19/2005
1/17/2006
04/26/06
07/28/06
10/25/06
01/19/07
4/24/2007
7/27/2007
10/26/2007
1/23/2008
4/11/2008
7/29/2008
10/24/2008
01/23/09
4/16/2009
7/17/2009
10/19/2009
1/21/2010


MW-3S Ground Water Elevations
MW-3S
Linear (MW-3S)
454
453
452
451
450
449
448
FT Above MSL
2/26/99
6/29/99
10/7/99
2/22/00
6/7/00
10/16/00
2/14/01
6/25/01
10/16/01
2/26/02
6/17/02
10/10/02
1/9/03
5/29/03
9/17/03
1/29/04
5/28/04
9/28/04
1/20/05
5/26/2005
9/27/2005
1/17/2006
05/24/06
09/26/06
01/19/07
5/24/2007
9/25/2007
1/23/2008
5/14/2008
9/23/2008
01/23/09
5/15/2009
9/25/2009
1/21/2010
DATE


MW-4S Ground Water Elevations
MW-4S
Linear (MW-4S)
453.5
452.5
451.5
450.5
449.5
448.5
447.5
Ft. Above MSL
DATE
2/26/99
5/27/99
8/24/99
11/16/99
2/22/00
5/18/00
8/22/00
11/15/00
2/14/01
5/21/01
8/30/01
11/28/01
2/26/02
5/22/02
8/29/02
11/1/02
1/9/03
4/30/03
7/16/03
10/15/03
1/29/04
4/16/04
7/20/04
10/21/04
1/20/05
4/28/2005
7/21/2005
10/19/2005
1/17/2006
04/26/06
07/28/06
10/25/06
01/19/07
4/24/2007
7/27/2007
10/26/2007
1/23/2008
4/11/2008
7/29/2008
10/24/2008
01/23/09
4/16/2009
7/17/2009
10/19/2009
1/21/2010


MW-5S Ground Water Elevations
MW-5S
Linear (MW-5S)
Ft. Above MSL
453.5
452.5
451.5
450.5
449.5
448.5
447.5
DATE
2/26/99
5/27/99
8/24/99
11/16/99
2/22/00
5/18/00
8/22/00
11/15/00
2/14/01
5/21/01
8/30/01
11/28/01
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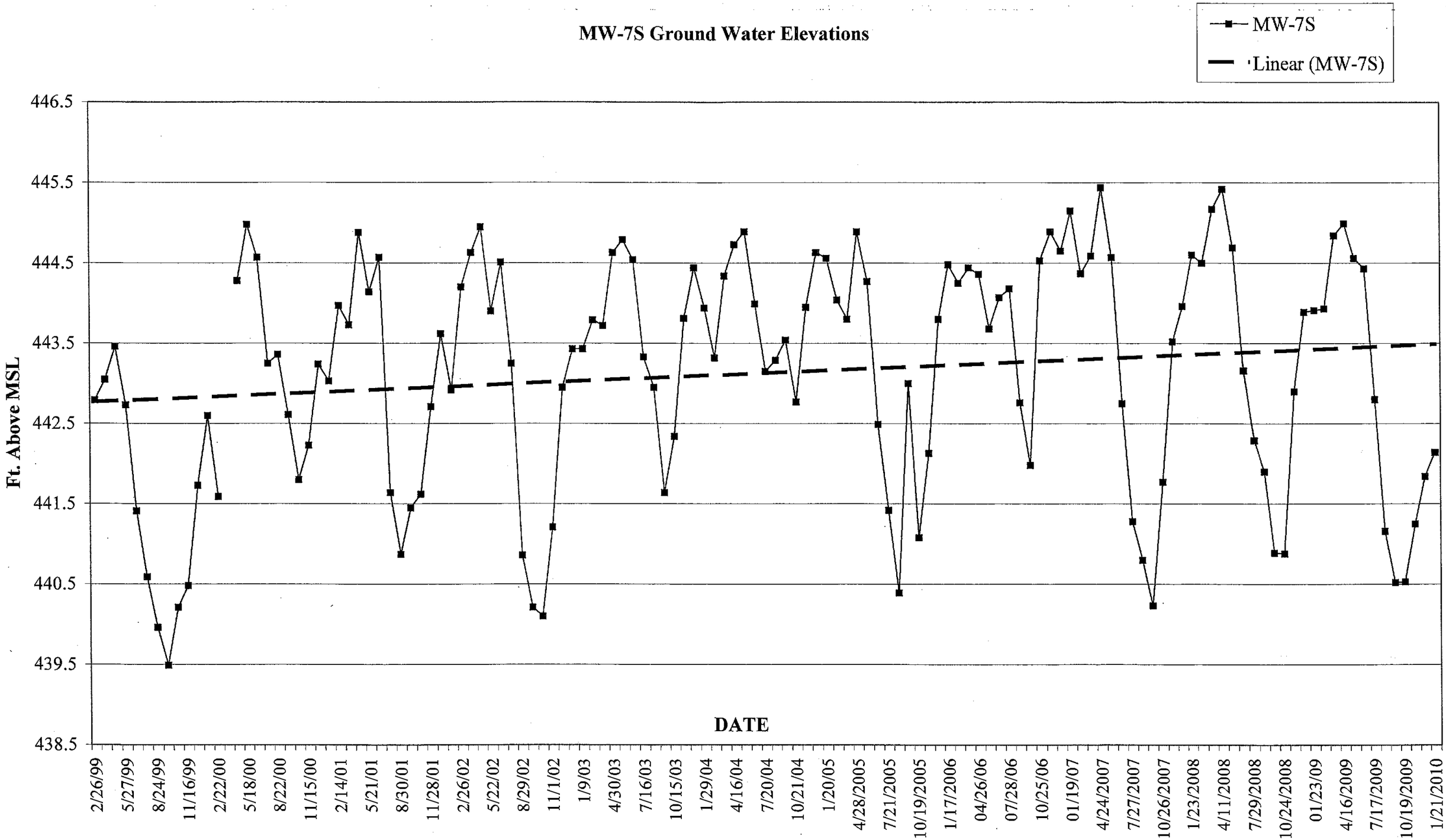
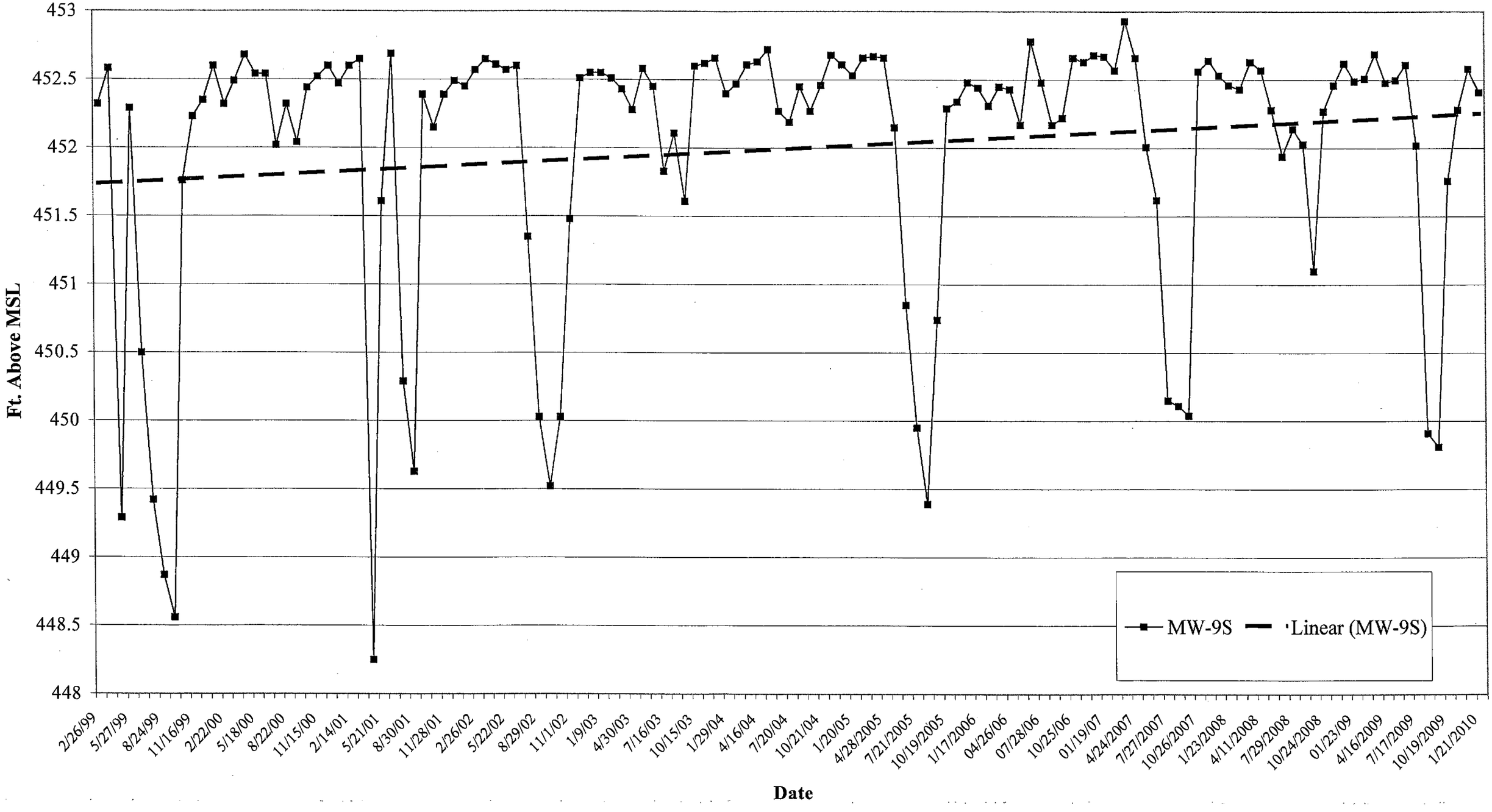
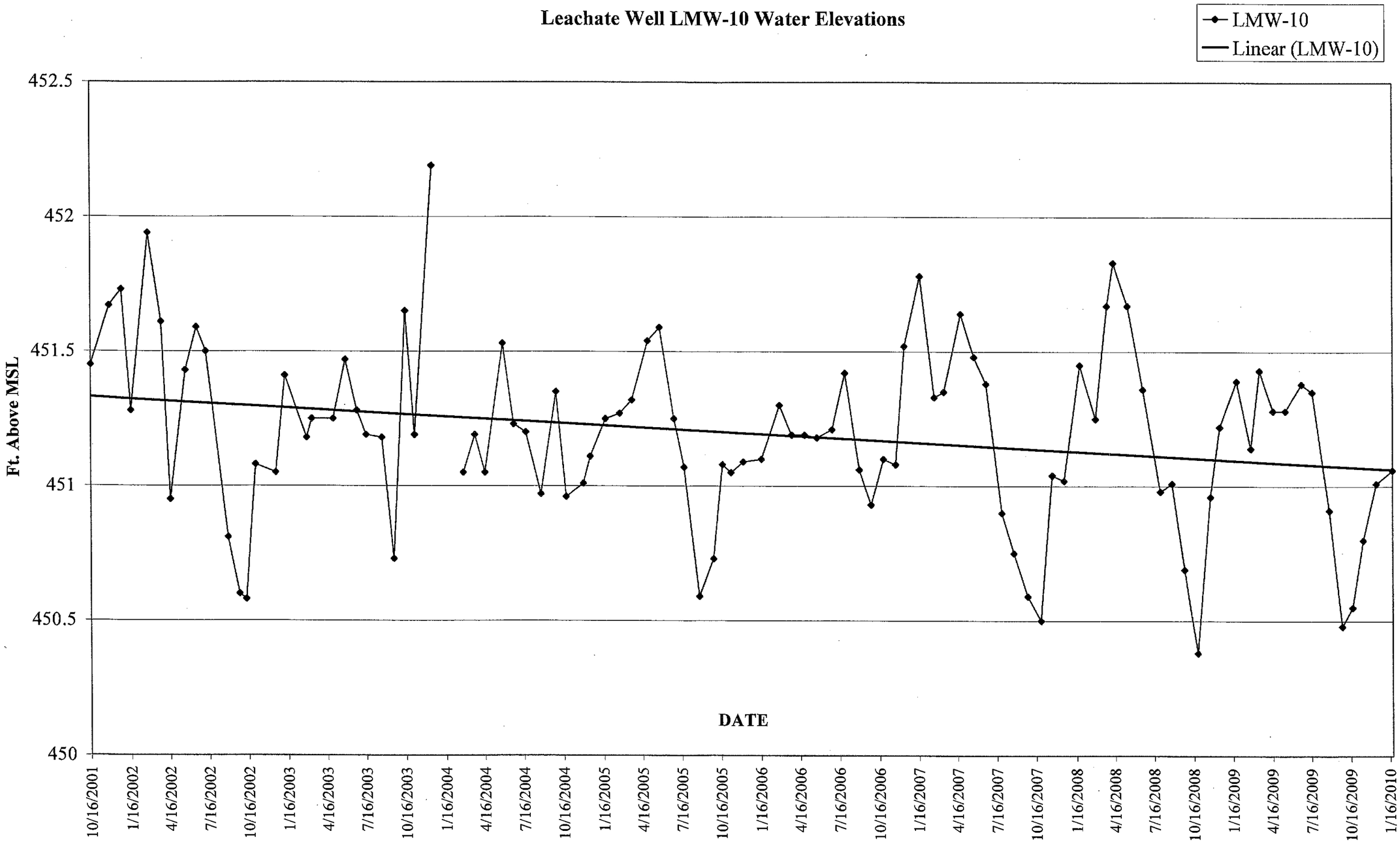
8/29/02
11/1/02
1/9/03
4/30/03
7/16/03
10/15/03
1/29/04
4/16/04
7/20/04
10/21/04
1/20/05
4/28/2005
7/21/2005
10/19/2005
1/17/2006
04/26/06
07/28/06
10/25/06
01/19/07
4/24/2007
7/27/2007
10/26/2007
1/23/2008
4/11/2008
7/29/2008
10/24/2008
01/23/09
4/16/2009
7/17/2009
10/19/2009
1/21/2010


MW-7S Ground Water Elevations
MW-7S
'Linear (MW-7S)
446.5
445.5
444.5
443.5
442.5
441.5
440.5
439.5
438.5
Ft. Above MSL
DATE
2/26/99
5/27/99
8/24/99
11/16/99
2/22/00
5/18/00
8/22/00
11/15/00
2/14/01
5/21/01
8/30/01
11/28/01
2/26/02
5/22/02
8/29/02
11/1/02
1/9/03
4/30/03
7/16/03
10/15/03
1/29/04
4/16/04
7/20/04
10/21/04
1/20/05
4/28/2005
7/21/2005
10/19/2005
1/17/2006
04/26/06
07/28/06
10/25/06
01/19/07
4/24/2007
7/27/2007
10/26/2007
1/23/2008
4/11/2008
7/29/2008
10/24/2008
01/23/09
4/16/2009
7/17/2009
10/19/2009
1/21/2010

MW-9S Ground Water Elevations




Leachate Well LMW-10 Water Elevations
LMW-10
Linear (LMW-10)
452.5
452
451.5
451
450.5
450
Ft. Above MSL
DATE
10/16/2001
1/16/2002
4/16/2002
7/16/2002
10/16/2002
1/16/2003
4/16/2003
7/16/2003
10/16/2003
1/16/2004
4/16/2004
7/16/2004
10/16/2004
1/16/2005
4/16/2005
7/16/2005
10/16/2005
1/16/2006
4/16/2006
7/16/2006
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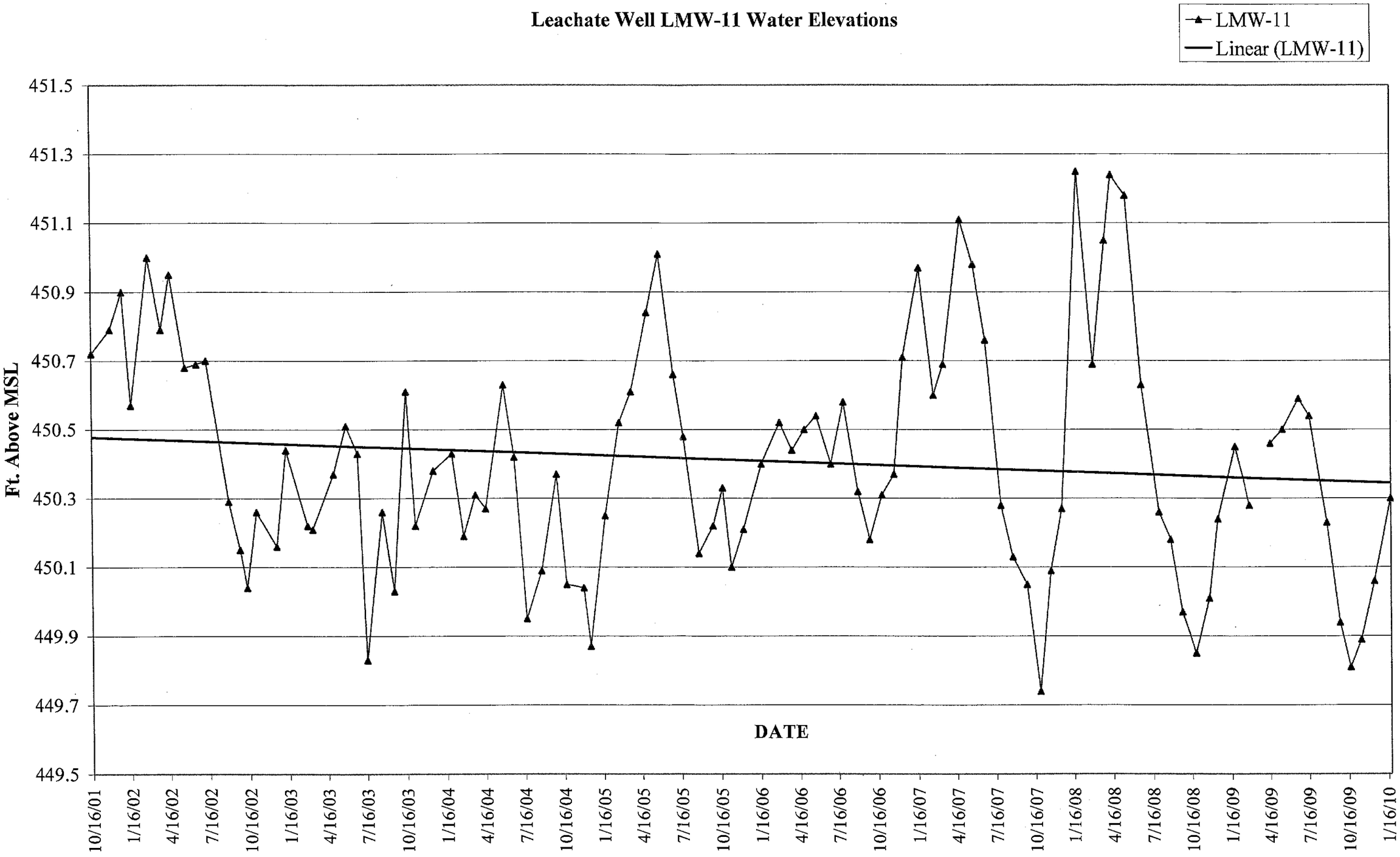
7/16/2007
10/16/2007
1/16/2008
4/16/2008
7/16/2008
10/16/2008
1/16/2009
4/16/2009
7/16/2009
10/16/2009
1/16/2010


Leachate Well LMW-11 Water Elevations
LMW-11
Linear (LMW-11)
Ft. Above MSL
451.5
451.3
451.1
450.9
450.7
450.5
450.3
450.1
449.9
449.7
449.5
DATE
10/16/01
1/16/02
4/16/02
7/16/02
10/16/02
1/16/03
4/16/03
7/16/03
10/16/03
1/16/04
4/16/04
7/16/04
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4/16/05
7/16/05
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4/16/06
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7/16/07
10/16/07
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1/16/09
4/16/09
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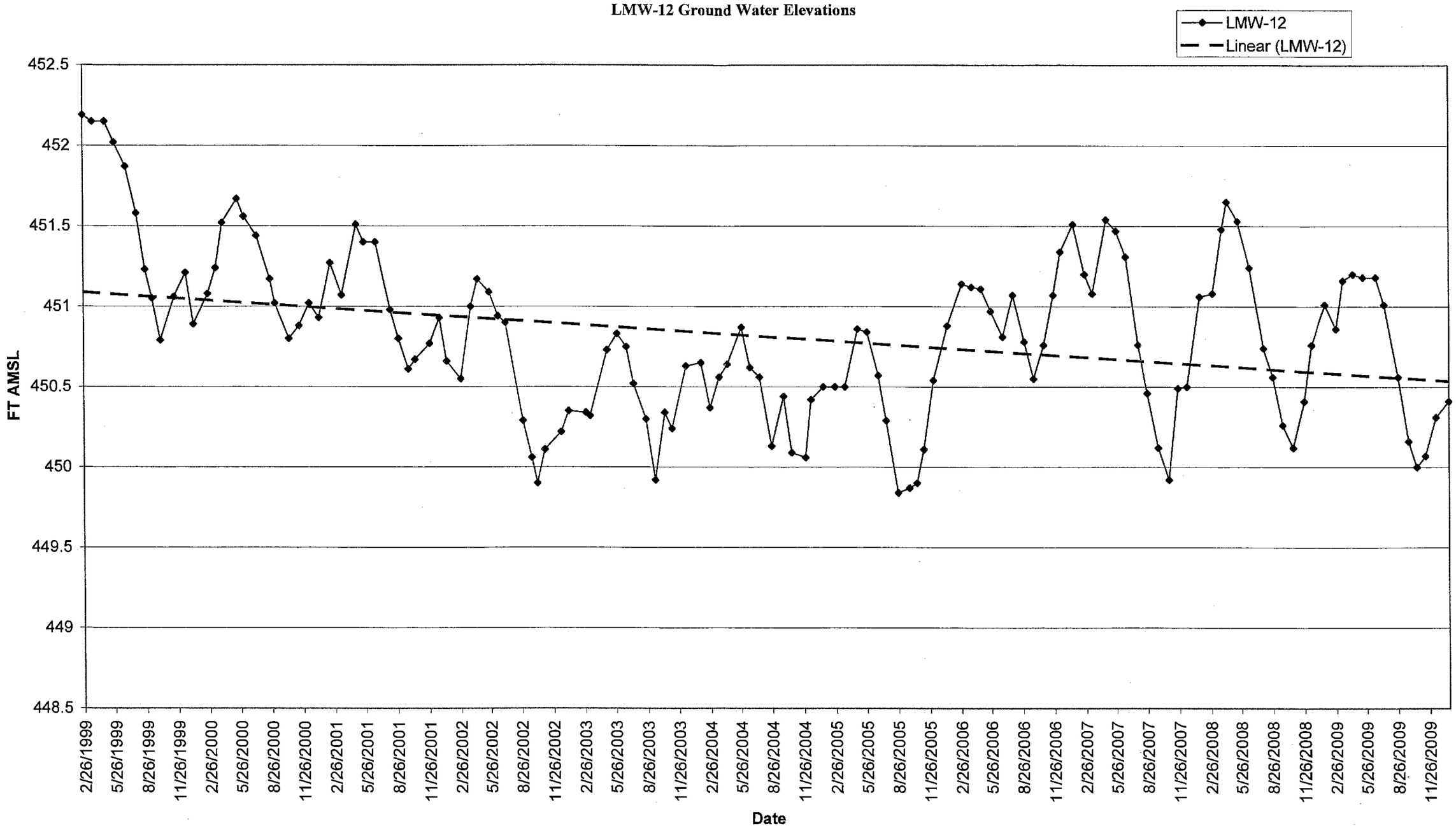
10/16/09
1/16/10


LMW-12 Ground Water Elevations
LMW-12
Linear (LMW-12)
452.5
452
451.5
451
450.5
450
449.5
449
448.5
FT AMSL
2/26/1999
5/26/1999
8/26/1999
11/26/1999
2/26/2000
5/26/2000
8/26/2000
11/26/2000
2/26/2001
5/26/2001
8/26/2001
11/26/2001
2/26/2002
5/26/2002
8/26/2002
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2/26/2003
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2/26/2005
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5/26/2006
8/26/2006
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2/26/2007
5/26/2007
8/26/2007
11/26/2007
2/26/2008
5/26/2008
8/26/2008
11/26/2008
2/26/2009
5/26/2009
8/26/2009
11/26/2009
Date

APPENDIX D

MONTHLY INSPECTION FORMS

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 2/25/09 Inspector: Brent Zimmer
Weather: Partly Cloudy 18°

GENERAL INSPECTION - To Be Completed Monthly

		Notes Problems
General Site Condition:		
Gates - condition and locks for inner & outer gates:	OK	
Access Road - surface/paving/snow	OK	Snow covered
Overall appearance (trash/litter)	OK	
Pump Station at Tannery Road:	Condition: OK	

Pump #1 Hours: 74823 Pump #2 Hours: 62981

Panel/Wells on Landfill

Manholes along road - general condition, erosion, overflows	OK	
Pump Well No's 1, 2, 3 & 4 - Well head condition/integrity	OK	
Meter Pit - open lid, check heater, leaks, etc.	OK	
Panel note conditions and any alarms:	OK	None

Totallizers (in meter pit)

RW-1 4538600 RW-3 4575400
RW-2 1328200 RW-4 3893000

Hour Meters

RW-1 196865 RW-3 68037
RW-2 128175 RW-4 284015

Landfill Cover Inspection

Leachate seeps Any new seeps	NO	If YES, describe:
Western seep condition:		Good Frozen
North seep condition:		Good Frozen
Gas vents - general condition	OK	
- Unusual odors, list vents/describe.		None
Flares ignited	OK	None Lite (3 sparking)
Perimeter fence	OK	Gates off hinges east side
Erosion/animal burrows	NO	If YES, describe: Landfill is snow covered 12+"

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 2/05/09 Inspector: Brent Zimmer

Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	5.28	444.31	Good
MW - 2S	459.44	7.27	452.17	Good
MW - 3S	456.4	3.78	452.62	Good
MW - 4S	456.19	3.93	452.26	Good
MW - 5S	457.15	4.73	452.42	Good
MW - 7S	452.25	8.32	443.93	Good
MW - 7D	451.79	8.68	443.11	Good
MW - 9S	456.38	3.87	452.51	Good
MW - 10	486.3	35.16	451.14	Good
MW - 11	502.4	52.12	450.28	Good
MW - 12	483.11	32.25	450.86	Good
PZ - 1*	454.37	7.75	446.62	Good.

NOTES: MW-20 7.30

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 3/17/09 Inspector: Brent Zimmer
Weather: Sunny

GENERAL INSPECTION - To Be Completed Monthly

		Notes Problems
General Site Condition:		
Gates - condition and locks for inner & outer gates:	OK	
Access Road - surface/paving/snow	OK	Clear
Overall appearance (trash/litter)	OK	
Pump Station at Tannery Road:	Condition: OK	

Pump #1 Hours: 75307 Pump #2 Hours: 63366

Panel/Wells on Landfill

Manholes along road - general condition, erosion, overflows	OK	
Pump Well No's 1, 2, 3 & 4 - Well head condition/integrity	OK	
Meter Pit - open lid, check heater, leaks, etc.	OK	Discharge penetration leaks
Panel note conditions and any alarms:	OK	None

Totalizers (in meter pit)

RW-1 45 38600 RW-3 457540 0
RW-2 142 7500 RW-4 389 3000

Hour Meters

RW-1 196865 RW-3 680037
RW-2 432677 RW-4 284015

Landfill Cover Inspection

Leachate seeps Any new seeps	NO	If YES, describe: None
Western seep condition:		Good
North seep condition:		Good
Gas vents - general condition		OK
- Unusual odors, list vents/describe.		None
Flares ignited		OK None ignited
Perimeter fence		OK Man Gates need repair
Erosion/animal burrows	NO	If YES, describe:

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 3/17/09 Inspector: Brent Zimmer

Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	4.15	445.44	Good
MW - 2S	459.44	6.73	453.71	Good
MW - 3S	456.4	3.44	452.96	Good
MW - 4S	456.19	3.67	452.52	Good
MW - 5S	457.15	3.90	453.25	Good
MW - 7S	452.25	7.41	444.84	Good
MW - 7D	451.79	7.30	444.49	Good
MW - 9S	456.38	3.69	452.69	Good
MW - 10	486.3	34.87	451.43	Good
MW - 11	502.4	56.89	445.51	Good
MW - 12	483.11	31.95	451.16	obstruction
PZ - 1*	454.37	4.85	449.52	Good

NOTES:

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 4/16/09 Inspector: EGF
Weather: Sunny 40°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: 07604[illegible] Pump #2 Hours: 063949		
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	—

Totallizers (in meter pit)

RW-1 4538600 RW-3 4575400
RW-2 1635700 RW-4 3893000

Hour Meters

RW-1 196865 RW-3 680037
RW-2 439395 RW-4 284015

Landfill Cover Inspection

Leachate seeps Any new seeps (NO) If YES, describe:
Western seep condition: Present - iron staining
North seep condition: Present - iron staining
Gas vents - general condition (OK)
- Unusual odors, list vents/describe. NONE
Flares ignited #5 sparking #2 spark #1 spark OK none ignited
Perimeter fence OK OK OK
(Erosion)/animal burrows NO If YES, describe:

1. Erosion south side landfill adjacent to wetland. Erosion channels are vegetated but should be repaired

2. Erosion south side access road at first culvert inside landfill gate should be repaired (where tac-on-berm transitions to a culvert under road

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 4/16/09 Inspector: GEF

Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	4.98		
MW - 2S	459.44	6.94		
MW - 3S	456.4	3.76		
MW - 4S	456.19	3.90		
MW - 5S	457.15	4.62		
MW - 7S	452.25	7.26		
MW - 9S	456.38	3.90		
MW - 10	486.3	35.02		
MW - 11	502.4	51.94		
MW - 12	483.11	31.91		
PZ - 1	454.37	5.99		

NOTES:

MW-7D 7.05
MW-1D 5.47
MW-2D 6.99
MW-5D 4.70

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 5/15/09 Inspector: EGF
Weather: Sunny 50°

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: 7674.9 Pump #2 Hours: 6450.6

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	—

Totallizers (in meter pit)

RW-1 4538600 RW-3 4609100
RW-2 1815600 RW-4 3893000

Hour Meters

RW-1 196865 RW-3 683389
RW-2 446348 RW-4 284015

Landfill Cover Inspection

Leachate seeps Any new seeps (NO) If YES, describe:
Western seep condition: present
North seep condition: present
Gas vents - general condition OK OK
- Unusual odors, list vents/describe. none
Flares ignited None ignited OK
Perimeter fence OK OK
Erosion/animal burrows (NO) If YES, describe:

See April Report

Note: Trees that are beginning to become established in areas along northeastern and eastern side of landfill near toe-of-berm should be removed

Flares
#3 #4 & #5 Panel appears operational but no spark at igniter
#1 #2 operational not ignited
C&3 not operating

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 5/15/09 Inspector: _____

Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	5.23		
MW - 2S	459.44	7.50		
MW - 3S	456.4	3.81		
MW - 4S	456.19	3.98		
MW - 5S	457.15	4.80		
MW - 7S	452.25	7.69		
MW - 9S	456.38	3.88		
MW - 10	486.3	25.02		
MW - 11	502.4	51.90		
MW - 12	483.11	31.93		
PZ - 1	454.37	6.52		

NOTES:

MW-7D 7.76
MW-1D 5.70
MW-2D 7.56
MW-5D 4.90

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 6/22/09 Inspector: EGP

Weather: Sunny 50°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: 07773.3 Pump #2 Hours: 06528.6

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	
Meter Pit - open lid, check heater, leaks, etc.	OK	ok
Panel note conditions and any alarms:	OK	none

Totallizers (in meter pit)

RW-1	4538600	RW-3	4693900
RW-2	2075200	RW-4	3893000

Hour Meters

RW-1	196865	RW-3	692008
RW-2	455453	RW-4	284015

Landfill Cover Inspection

Leachate seeps	Any new seeps NO	If YES, describe:	NO
	Western seep condition:		present
	North seep condition:		present
Gas vents - general condition		(OK)	
- Unusual odors, list vents/describe.			
Flares ignited none		OK	
Perimeter fence		(OK)	
Erosion/animal ~~burrows~~ NO		If YES, describe:	

1. Erosion: South side LF near wetland. Area has revegetated. However, erosion channels should be repaired.
2. Erosion South side access road at first culvert inside LF gate, where run-on-berm transitions to a culvert under road, should be repaired

Flares #6 & #2 sparking. #1, 3, 4, 7 not operational, #5 clicking at panel not sparking

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 6/22/09 Inspector: EGP

Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	5.03		
MW - 2S	459.44	6.81		
MW - 3S	456.4	3.60		
MW - 4S	456.19	3.89		
MW - 5S	457.15	4.46		
MW - 7S	452.25	7.82		
MW - 9S	456.38	3.77		
MW - 10	486.3	34.92		
MW - 11	502.4	51.81		
MW - 12	483.11	31.93		
PZ - 1	454.37	6.35		

NOTES:

MW-7D 7.65

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 7/17/09 Inspector: EGF
Weather: Partly Sunny 50°

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: 078344	Pump #2 Hours: 065761	
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	—

Totallizers (in meter pit)

RW-1	4538600	RW-3	4725600
RW-2	2276400	RW-4	389300

Hour Meters

RW-1	146865	RW-3	697789
RW-2	46936	RW-4	284015

Landfill Cover Inspection		
Leachate seeps Any new seeps	(NO)	If YES, describe:
Western seep condition:		not apparent
North seep condition:		not apparent
Gas vents - general condition	OK	
- Unusual odors, list vents/describe.		
Flares ignited	OK	
Perimeter fence	(OK)	
Erosion/animal burrows	NO	If YES, describe:

#6 sparking not ignited
#1, #5 No spark, panel appears operational
#4 not operational #3 not operational
#7 not operational / #1 not operational

1. Erosion southside access road at 1st culvert inside landfill gate, where tac-on-berm transitions to culvert under road. Erosion should be repaired to direct runoff back to the tac-on-berm. Currently runoff is directed to landfill cap and may impact

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 7/17/2009 Inspector: _____

Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	6.78		
MW - 2S	459.44	9.0		
MW - 3S	456.4	4.73		
MW - 4S	456.19	4.73		
MW - 5S	457.15	6.10		
MW - 7S	452.25	9.45		
MW - 9S	456.38	4.36		
MW - 10	486.3	34.95		
MW - 11	502.4	57.86		
MW - 12	483.11	32.10		
PZ - 1	454.37	8.21		

NOTES:

7D 9.25
1D 7.16
5D 6.33
2D 8.80

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 8/26/09 0800 Inspector: EGF

Weather: Sunny 60°F

GENERAL INSPECTION - To Be Completed Monthly

		Notes Problems
General Site Condition:		
Gates - condition and locks for inner & outer gates:	OK	
Access Road - surface/paving/snow	OK	
Overall appearance (trash/litter)	OK	
Pump Station at Tannery Road: Condition:	OK	
Pump #1 Hours: 079104 Pump #2 Hours: 066611		
Panel/Wells on Landfill		
Manholes along road - general condition, erosion, overflows	OK	
Pump Well No's 1, 2, 3 & 4 - Well head condition/integrity	OK	Note RW-2 = RW-1
Meter Pit - open lid, check heater, leaks, etc.	OK	
Panel note conditions and any alarms: OK	None	

Totallizers (in meter pit)

RW-1 4538600 RW-3 478700

RW-2 2553400 RW-4 3293000

Hour Meters

RW-1 196865 RW-3 705308

RW-2 471096 RW-4 284015

Landfill Cover Inspection		
Leachate seeps Any new seeps	NO	If YES, describe:
Western seep condition:		No visible seepage
North seep condition:		Not flowing or apparent, no visible seep
Gas vents - general condition	OK	
- Unusual odors, list vents/describe.		
Flares ignited	OK	
Perimeter fence	OK	
Erosion/animal burrows NO	If YES, describe:	

Woodchuck holes through tac-on berm Southwest RW-3

Woodchuck hole in Tac-On-berm ≅ 190 feet west of 1st culvert inside LF gate. Hole is on berm above vegetated erosion area above wetlands south side LF.

Erosion areas above wetlands are vegetated but channels should be filled and area seeded

Erosion southside access road at first culvert inside Landfill gate. See July report for additional information

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 8/26/09 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	8.10		
MW - 2S	459.44	9.99		
MW - 3S	456.4	6.20		
MW - 4S	456.19	6.75		
MW - 5S	457.15	7.93		
MW - 7S	452.25	11.09		
MW - 9S	456.38	6.47		
MW - 10	486.3	35.39		
MW - 11	502.4	52.17		
MW - 12	483.11	32.55		
PZ - 1	454.37	9.74		

NOTES:

70 11.03
10 8.43
20 9.72
50 7.99

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date: 8/26/09 Inspector: EGF
Weather: Partly Cloudy 70°F

ANNUAL GAS VENT INSPECTION (To be completed each Fall)

Gas Vent Number	H_2S (ppm)	Detectable Odors Yes	Detectable Odors No	General Vent Condition Notes/Comments
1	0		✓	61 LEL
2	0		✓	60 LEL
3	0		✓	100 LEL
4	0		✓	LEL 100
5	0		✓	LEL 22
6	0		✓	LEL 20
7				Flare (3) not operational
8				Flare (4)
9	0		✓	26 LEL
10				Flare (2) sparking not ignited
11				Flare (7) not ignited Flashing at Panel
12				Flare (6) not operational
13				Flare (5) sparking not ignited
14	0		✓	10 LEL
15				Flare (1) Not operational
16	0	✓		LEL 40 some odor
17	0		✓	
18	0		✓	LEL 100
19	0		✓	LEL 30
20	0		✓	LEL 4
21	0		✓	LEL 16
22	0		✓	
23	0		✓	65 LEL
24	0		✓	LEL 18
25	0	✓		LEL 100

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date: 8/26/09 Inspector: EGF
Weather:

ANNUAL GAS VENT INSPECTION (To be completed each Fall)

Gas Vent Number	H_2S (ppm)	Detectable Odors Yes	Detectable Odors No	General Vent Condition Notes/Comments
26	0	✓		LEL 64
27	0		✓	LEL 5
28	0		✓	LEL 4
29	0		✓	LEL 29
30	0		✓	LEL 82
31	0	✓		LEL 100
32	0	✓		LEL 100
33	0	✓		LEL 12
34	0			LEL 17
35	0		✓	LEL 40
36	6	✓		LEL 12
37	0		✓	LEL 19
38	0	✓		LEL 100%
39	1	✓		LEL 100%
40	0		✓	LEL 78
41	2	✓		LEL 100
42	0	✓	✓	LEL 100
43	0		✓	LEL 5
44	0		✓	LEL 12
45	0	✓		LEL 100
46	0		✓	

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 9/25/09 Inspector: EleF

Weather: Partly Sunny 50°F

GENERAL INSPECTION - To Be Completed Monthly

		Notes Problems
General Site Condition:		
Gates - condition and locks for inner & outer gates:	OK	
Access Road - surface/paving/snow	OK	
Overall appearance (trash/litter)	OK	
Pump Station at Tannery Road:	Condition: OK	
Pump #1 Hours: 079104	Pump #2 Hours: 066523	
Panel/Wells on Landfill		
Manholes along road - general condition, erosion, overflows	OK	
Pump Well No's 1, 2, 3 & 4 - Well head condition/integrity	OK	
Meter Pit - open lid, check heater, leaks, etc.	OK	
Panel note conditions and any alarms:	OK	

Totallizers (in meter pit)

RW-1 4538600 RW-3 4828700

RW-2 2711800 RW-4 3893000

Hour Meters

RW-1 196865 RW-3 711117

RW-2 478251 RW-4 287015

Landfill Cover Inspection

Leachate seeps Any new seeps (NO) If YES, describe:

Western seep condition: Not Visible

North seep condition: Not Visible

Gas vents - general condition OK

- Unusual odors, list vents/describe. NO

Flares ignited OK

Perimeter fence (OK)

Erosion/animal burrows NO If YES, describe:

F -cs: #5, #4, #7 clicking at panel not sparking

N -operational #3 & #1

#2 sparking - not ignited

Woodchuck hole in tac-on-berm ≅ 190 ft west of first culvert inside Landfill gate

Woodchuck hole in tac-on berm southwest RW-3

Erosion southside access road at first culvert inside landfill gate.

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 9/25/09 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	8.45		
MW - 2S	459.44	10.38		
MW - 3S	456.4	6.68		
MW - 4S	456.19	7.43		
MW - 5S	457.15	8.69		
MW - 7S	452.25	11.73		
MW - 9S	456.38	6.57		
MW - 10	486.3	35.82		
MW - 11	502.4	52.46		
MW - 12	483.11	32.95		
PZ - 1	454.37	10.34		

NOTES:

MW-1D 8.84
MW-7D 11.63
MW-5D 8.72
MW-2D 10.02

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 10/19/09 Inspector: EEF
Weather: Sunny 28°F

GENERAL INSPECTION - To Be Completed Monthly

		Notes Problems
General Site Condition:		
Gates - condition and locks for inner & outer gates:	OK	
Access Road - surface/paving/snow	OK	
Overall appearance (trash/litter)	OK	
Pump Station at Tannery Road: Condition:	OK	
Pump #1 Hours: 079104 Pump #2 Hours: 068259		

Panel/Wells on Landfill

Manholes along road - general condition, erosion, overflows	OK	
Pump Well No's 1, 2, 3 & 4 - Well head condition/integrity	OK	
Meter Pit - open lid, check heater, leaks, etc.	OK	
Panel note conditions and any alarms:	OK	—

Totallizers (in meter pit)

RW-1 4538600 RW-3 4872500? condensation in meter housing
RW-2 2844400 RW-4 2893000

Hour Meters

RW-1 196865 RW-3 714778
RW-2 484003 RW-4 224015

Landfill Cover Inspection

Leachate seeps Any new seeps NO If YES, describe:
Western seep condition: No flow
North seep condition: No flow
Gas vents - general condition OK
- Unusual odors, list vents/describe.
Flares ignited sparking no flame #6 OK
Perimeter fence No spark #5, 4, 7 OK
Erosion/animal burrows NO If YES, describe:

woodchuck holes in toe-on-berm southside LF see August report
erosion southside access road at first culvert inside landfill gate

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 10/19/09 Inspector: EEF

Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	7.40		
MW - 2S	459.44	9.61		
MW - 3S	456.4	5.18		
MW - 4S	456.19	6.05		
MW - 5S	457.15	8.39		
MW - 7S	452.25	11.72		
MW - 9S	456.38	4.62		
MW - 10	486.3	35.75		
MW - 11	502.4	52.59		
MW - 12	483.11	33.11		
PZ - 1	454.37	9.78		

NOTES:

7D 11.60
5D 8.40
2D 9.27
1D 7.90

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 11/13/09 Inspector: _____
Weather: _____

GENERAL INSPECTION - To Be Completed Monthly

		Notes Problems
General Site Condition:		
Gates - condition and locks for inner & outer gates:	OK	
Access Road - surface/paving/snow	OK	
Overall appearance (trash/litter)	OK	
Pump Station at Tannery Road: Condition:	OK	
Pump #1 Hours: 079615 Pump #2 Hours: 068718		
Panel/Wells on Landfill		
Manholes along road - general condition, erosion, overflows	OK	
Pump Well No's 1, 2, 3 & 4 - Well head condition/integrity	OK	
Meter Pit - open lid, check heater, leaks, etc.	OK	
Panel note conditions and any alarms:	OK	

Totallizers (in meter pit)

RW-1	458600	RW-3	492100
RW-2	2950500	RW-4	3893000

Hour Meters

RW-1	196865	RW-3	720573
RW-2	490007	RW-4	284015

Landfill Cover Inspection			
Leachate seeps Any new seeps	NO	If YES, describe:	
Western seep condition:		not flowing or present	
North seep condition:		not flowing or present	
Gas vents - general condition	OK		
- Unusual odors, list vents/describe.			
Flares ignited	NO	OK	
Perimeter fence	OK		
Erosion/animal burrows	NO	If YES, describe:	
	see below		

woodchuck hole in tac-on-berm ≅ 190 feet west of 1st culvert inside LF gate
woodchuck hole in tac-on-berm south west RW-3
Erosion southside access road at 1st culvert inside LF gate

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 11/13/09 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	6.31		
MW - 2S	459.44	8.05		
MW - 3S	456.4	4.05		
MW - 4S	456.19	4.73		
MW - 5S	457.15	6.85		
MW - 7S	452.25	11.0		
MW - 9S	456.38	4.10		
MW - 10	486.3	35.50		
MW - 11	502.4	32.51		
MW - 12	483.11	33.04		
PZ - 1	454.37	8.26		

NOTES:

MW-4D 6.89
MW-5D 7.99
MW-9D 6.94
MW-7D 10.99

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 12/14/2009 Inspector: Brent Zimmer
Weather: Overcast Rain

GENERAL INSPECTION - To Be Completed Monthly

		Notes Problems
General Site Condition:		
Gates - condition and locks for inner & outer gates:	(OK)	Some of the Gates are off the hinges
Access Road - surface/paving/snow	(OK)	
Overall appearance (trash/litter)	(OK)	Snow covered
Pump Station at Tannery Road:	Condition: (OK)	
Pump #1 Hours: 80170	Pump #2 Hours: 69332	

Panel/Wells on Landfill

Manholes along road - general condition, erosion, overflows	(OK)	
Pump Well No's 1, 2, 3 & 4 - Well head condition/integrity	(OK)	
Meter Pit - open lid, check heater, leaks, etc.	(OK)	
Panel note conditions and any alarms:	(OK)	None

Totallizers (in meter pit)

RW-1 4538600 RW-3 4978600
RW-2 3088900 RW-4 3893000

Hour Meters

RW-1 196865 RW-3 727082
RW-2 497458 RW-4 284015

Landfill Cover Inspection

Leachate seeps Any new seeps	(NO)	If YES, describe:
Western seep condition:	ok	
North seep condition:	ok	
Gas vents - general condition	(OK)	
- Unusual odors, list vents/describe.	None	
Flares Ignited	OK	None ignited
Perimeter fence	(OK)	
Erosion/animal burrows	(NO)	If YES, describe: Snow covered

National Grid onsite

City employees onsite

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 1/21/10 Inspector: EGF
Weather: Sunny 15° F

GENERAL INSPECTION - To Be Completed Monthly

		Notes Problems
General Site Condition:		
Gates - condition and locks for inner & outer gates:	OK	
Access Road - surface/paving/snow	OK	
Overall appearance (trash/litter)	OK	
Pump Station at Tannery Road:	Condition: OK	
Pump #1 Hours: 80622	Pump #2 Hours: 69768	
Panel/Wells on Landfill		
Manholes along road - general condition, erosion, overflows	OK	
Pump Well No's 1, 2, 3 & 4 - Well head condition/integrity	OK	
Meter Pit - open lid, check heater, leaks, etc.	OK	
Panel note conditions and any alarms:	OK	

Totallizers (in meter pit)

RW-1 4538600 RW-3 5098100
RW-2 Meter removed RW-4 3893000

Hour Meters

RW-1 190865 RW-3 723519
RW-2 498789 RW-4 289015

Landfill Cover Inspection		
Leachate seeps Any new seeps	NO	If YES, describe:
Western seep condition:	not evident	
North seep condition:	not evident	
Gas vents - general condition	OK	
- Unusual odors, list vents/describe.		
Flares ignited None Ignited	OK	
Perimeter fence	OK	
Erosion/animal burrows NO	If YES, describe:	

Snow cover none apparent

TANNERY ROAD LANDFILL, ROME, NY
INSPECTION CHECKLIST

Date & Time: 1/21/10 Inspector: GF

Monitoring Well Water Level Data

WELL No	Measure Pt Elev.	Depth to Water (ft)	Groundwater Elevation (ft)	Well Condition
MW - 1S	449.59	5.55		
MW - 2S	459.44	7.73		
MW - 3S	456.4	3.43		
MW - 4S	456.19	4.18		
MW - 5S	457.15	4.87		
MW - 7S	452.25	10.11		
MW - 9S	456.38	3.97		
MW - 10	486.3	35.24		
MW - 11	502.4	52.10		
MW - 12	483.11	32.70		
PZ - 1	454.37	7.15		

NOTES:

7D 10.16
2D 7.62
5D 5.02
1D 6.08