



March 5, 2014

Mr. Todd M. Caffoe, P.E.
New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 8
6274 East Avon-Lima Road
Avon, New York 14414-9519

**RE: Former Griffin Technology Facility (Site No. 835008) – Farmington, New York
Review of Offsite Groundwater Monitoring Results**

Dear Mr. Caffoe:

On behalf of Diebold, Inc., URS Corporation (URS) has prepared this review of groundwater sampling results obtained from monitoring wells located in the offsite area of the Former Griffin Technology Facility in Farmington, New York. Under the terms of the Order on Consent Index #B8-0315-90-01, Diebold, Inc. is required to conduct offsite groundwater monitoring in accordance with the *Operations and Monitoring Plan for Annual Offsite Groundwater Monitoring* (O&M Plan) (URS, 2011). Under the terms of the Order on Consent, Diebold, Inc. has agreed to conduct annual groundwater monitoring for Target Compound List (TCL) Volatile Organic Compounds (VOCs) [trichloroethene (TCE), 1,1,1-trichloroethane (1,1,1-TCA), cis-1,2-dichloroethene (c-1,2-DCE), trans-1,2-dichloroethene (t-1,2-DCE), methylene chloride (MC), and vinyl chloride (VC)] in nine offsite monitoring wells (MW-06S/MW-06D, MW-07S/MW-07D, MW-09S/MW-09D, MW-10S/MW-10D, and MW-11D) as depicted on Figures 1 and 2. Based upon this review of groundwater sampling results and discussions with you on October 22, 2013 during our site meeting with Ms. Megan Weidner (Diebold, Inc. – Sr. Project Manager), we are recommending modifications to the O&M Plan.

URS reviewed the existing groundwater data for trends and completed a Mann-Kendall statistical trend analysis on the existing data set and the results are summarized on Tables 1 and 2, and discussed below.

Concentration Versus Time

The concentrations of analytes for available groundwater data are provided in Table 1 and summarized below.

MW-6S

TCE: Generally up to one order of magnitude above NYSDEC criteria.

1,1,1-TCA: Generally below NYSDEC criteria or ND.

c-1,2-DCE: Generally below NYSDEC criteria or ND.

t-1,2-DCE: Generally below NYSDEC criteria or ND.

Methylene Chloride: Consistently ND.

VC: Consistently ND.

MW-6D

TCE: Generally up to one order of magnitude above NYSDEC criteria.

1,1,1-TCA: Generally below NYSDEC criteria or ND.

c-1,2-DCE: Generally below NYSDEC criteria or ND.

t-1,2-DCE: Generally below NYSDEC criteria or ND.

Methylene Chloride: Consistently ND.

VC: Consistently ND.

MW-7S

TCE: Generally up to one order of magnitude above NYSDEC criteria.

1,1,1-TCA: Generally below NYSDEC criteria or ND.

c-1,2-DCE: Generally below NYSDEC criteria or ND.

t-1,2-DCE: Generally below NYSDEC criteria or ND.

Methylene Chloride: Consistently ND.

VC: Consistently ND.

MW-7D

TCE: Generally up to one order of magnitude above NYSDEC criteria.

1,1,1-TCA: Generally below NYSDEC criteria or ND.

c-1,2-DCE: Generally up to one order of magnitude above NYSDEC criteria.

t-1,2-DCE: Consistently ND.

Methylene Chloride: Consistently ND.

VC: Generally ND or below NYSDEC criteria.

MW-9S

TCE: Generally ND or below NYSDEC criteria.

1,1,1-TCA: Consistently ND.

c-1,2-DCE: Consistently ND.

t-1,2-DCE: Consistently ND.

Methylene Chloride: Consistently ND.

VC: Consistently ND.

MW-9D

TCE: Consistently ND or below NYSDEC criteria (2013).

1,1,1-TCA: Consistently ND.

c-1,2-DCE: Generally ND or below NYSDEC criteria.

t-1,2-DCE: Consistently ND.

Methylene Chloride: Consistently ND.

VC: Consistently ND.

MW-10S

TCE: Generally near NYSDEC criteria.

1,1,1-TCA: Consistently ND.

c-1,2-DCE: Consistently ND.

t-1,2-DCE: Consistently ND.

Methylene Chloride: Consistently ND.

VC: Consistently ND.

MW-10D

TCE: Generally near NYSDEC criteria.

1,1,1-TCA: Consistently ND.

c-1,2-DCE: Consistently ND.

t-1,2-DCE: Consistently ND.

Methylene Chloride: Consistently ND.

VC: Consistently ND.

MW-11D

TCE: Consistently ND.

1,1,1-TCA: Consistently ND.

c-1,2-DCE: Consistently ND.

t-1,2-DCE: Consistently ND.

Methylene Chloride: Consistently ND.

VC: Consistently ND.

Figures 2 and 3 depict the analytes detected above NYSDEC groundwater criteria in the nine offsite monitoring wells during the two most recent sampling events.

Mann-Kendal Trend Analysis

The Mann-Kendall test was performed to evaluate the trend for analytes detected in the nine offsite monitoring wells sampled as part of the O&M activities and from groundwater sampling events prior to the O&M implementation in 2011.

The Mann-Kendall test is a non-parametric test for identifying trends in time series data. The test compares the relative magnitudes of sample data. The data values are evaluated as an ordered time series and each data value is compared to all subsequent data values. The initial value of the Mann-Kendall statistic (i.e., S) is assumed to be 0 (i.e., no trend). If a data value from a later time period is higher than a data value from an earlier time period, S is increased by 1. If the data value from a later time period is lower than a data value sampled earlier, S is decreased by 1. The net result of all values yields the final value of S . The non-parametric Mann-Kendall test involves computing a statistic (S), which is the difference between the number of pair-wise slopes that are positive and the number that are negative. The null hypothesis or baseline condition (H_0) for these tests was that there are no temporal trends in the contaminant concentrations. The alternate hypotheses were either:

- Contaminant concentrations are increasing over time (H_1), or
- Contaminant concentrations are decreasing over time (H_2).

If the Mann-Kendall statistic (S) is a positive value, then evidence of an increasing trend exists in the data. If S is a negative value, then evidence of a decreasing trend exists in the data.

The probability (p) of the S statistic was also calculated and compared to an *a priori* designated significance level (α). If the p -value was smaller than α , then the null hypothesis (the trend was not statistically significant) was rejected. For the purposes of this report, an α of 0.10, corresponding to a significance level of 10 percent, was used.

As shown in Table 2, a downward trend in concentrations were observed for: 1,1,1-TCA and TCE in MW-06D; 1,1,1-TCA in MW-06S and MW-07D; 1,1,1-TCA and c-1,2-DCE in MW-07S; and TCE in MW-06D and MW-10D. No trend or an upward trend was observed for other detected analytes in offsite monitoring wells as depicted in Table 2. An upward trend of c-1,2-DCE suggests TCE degradation via reductive dechlorination is occurring in MW-07D and MW-09D.

Recommendations

Based upon results of the most recent sampling rounds, the analyte concentrations versus time, and the statistical trend analysis completed for the groundwater monitoring results database, URS recommends the following:

1. MW-09S, MW-09D, MW-10S, MW-10D, and MW-11D could be eliminated from the monitoring program beginning with the next sampling event.
2. MW-09S, MW-09D, MW-10S, MW-10D, and MW-11D could be abandoned in accordance with NYSDEC requirements.
3. The monitoring frequency for remaining offsite monitoring wells (i.e., MW-06S, MW-06D, MW-07S, and MW-07D) could be conducted biennially.

Closing

We appreciate the Department's assistance with this project. Please contact Ms. Megan Weidner at 330-490-6867 if you have any questions or comments.

Sincerely,

URS Corporation-New York



Michael Gutmann
Project Manager

Enc. Table 1 – Summary of Monitoring Well Groundwater Analytical Results
Table 2 – Mann-Kendall Statistical Analysis
Figure 1 – Project Site
Figure 2 – Groundwater Sampling Results – August 2009
Figure 3 – Groundwater Sampling Results – March 2013

cc: Ms. Megan Weidner, Sr. Project Manager – Diebold, Inc.
Aaron Sommer, URS Cleveland
File – 13807296

TABLE 1
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
FORMER GRIFFIN TECHNOLOGY, INC. SITE

Location ID			MW-06D	MW-06D	MW-06D	MW-06D	MW-06D
Sample ID			MW-06D	MW-06D	MW-06D	MW-06D	MW-06D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/19/94	05/21/96	08/13/97	03/18/98	09/02/98
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	7.5	10	10		8
1,2-Dichloroethene (cis)	UG/L	5			2		2
1,2-Dichloroethene (trans)	UG/L	5	NA	NA	NA	NA	NA
Methylene chloride	UG/L	5	NA	NA	NA	NA	NA
Trichloroethene	UG/L	5	190	240	150	6	140
Vinyl chloride	UG/L	2					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

Blank cell - Not detected. NA - Not analyzed or data not available.

J - The reported concentration is an estimated value.

TABLE 1
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
FORMER GRIFFIN TECHNOLOGY, INC. SITE

Location ID			MW-06D	MW-06D	MW-06D	MW-06D	MW-06D
Sample ID			MW-06D	MW-06D	MW-06D	MW-06D	MW-06D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			03/17/99	09/02/99	03/28/00	09/08/00	09/08/00
Parameter	Units	Criteria*					Field Duplicate (1-1)
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5		7	5	6	6
1,2-Dichloroethene (cis)	UG/L	5		2	1		
1,2-Dichloroethene (trans)	UG/L	5	NA	NA	NA	NA	NA
Methylene chloride	UG/L	5	NA	NA	NA	NA	NA
Trichloroethene	UG/L	5		110	89	110	110
Vinyl chloride	UG/L	2					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda, Class GA.

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TABLE 1
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
FORMER GRIFFIN TECHNOLOGY, INC. SITE

Location ID			MW-06D	MW-06D	MW-06D	MW-06D	MW-06D
Sample ID			MW-06D	MW-06D	MW-06D	MW-06D	MW-06D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			03/08/01	09/13/01	05/24/02	06/18/03	06/23/04
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	5	4	4	4	3
1,2-Dichloroethene (cis)	UG/L	5		3			
1,2-Dichloroethene (trans)	UG/L	5	NA	NA	NA	NA	NA
Methylene chloride	UG/L	5	NA	NA	NA	NA	NA
Trichloroethene	UG/L	5	95	80	91	70	67
Vinyl chloride	UG/L	2					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

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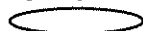
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TABLE 1
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
FORMER GRIFFIN TECHNOLOGY, INC. SITE

Location ID			MW-06D	MW-06D	MW-06D	MW-06S	MW-06S
Sample ID			MW-06D	MW-06D	MW-06D	MW-06S	MW-06S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			07/19/05	08/03/09	03/22/13	12/19/94	05/21/96
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	3	1.9 J	1.7	7.8	2
1,2-Dichloroethene (cis)	UG/L	5	0.5	0.62 J	2.7		
1,2-Dichloroethene (trans)	UG/L	5	NA			NA	NA
Methylene chloride	UG/L	5	NA			NA	NA
Trichloroethene	UG/L	5	59	46	41	270	
Vinyl chloride	UG/L	2					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

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SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
FORMER GRIFFIN TECHNOLOGY, INC. SITE

Location ID			MW-06S	MW-06S	MW-06S	MW-06S	MW-06S
Sample ID			MW-06S	MW-06S	MW-06S	MW-06S	MW-06S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			08/13/97	03/18/98	09/02/98	03/17/99	09/02/99
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	9		8		6
1,2-Dichloroethene (cis)	UG/L	5	3		2		4
1,2-Dichloroethene (trans)	UG/L	5	NA	NA	NA	NA	NA
Methylene chloride	UG/L	5	NA	NA	NA	NA	NA
Trichloroethene	UG/L	5	140	5	140		110
Vinyl chloride	UG/L	2					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

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SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
FORMER GRIFFIN TECHNOLOGY, INC. SITE

Location ID			MW-06S	MW-06S	MW-06S	MW-06S	MW-06S
Sample ID			MW-06S	MW-06S	MW-06S	MW-06S	MW-06S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			03/28/00	09/08/00	03/08/01	09/13/01	05/24/02
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5		5		4	
1,2-Dichloroethene (cis)	UG/L	5				4	
1,2-Dichloroethene (trans)	UG/L	5	NA	NA	NA	NA	NA
Methylene chloride	UG/L	5	NA	NA	NA	NA	NA
Trichloroethene	UG/L	5	3	110		72	3
Vinyl chloride	UG/L	2					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

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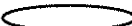
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SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
FORMER GRIFFIN TECHNOLOGY, INC. SITE

Location ID			MW-06S	MW-06S	MW-06S	MW-06S	MW-06S
Sample ID			MW-06S	MW-06S	MW-06S	MW-06S	MW-06S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			06/18/03	06/23/04	07/19/05	08/03/09	03/22/13
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5			3	1.0 J	0.95 J
1,2-Dichloroethene (cis)	UG/L	5			0.5		1.7
1,2-Dichloroethene (trans)	UG/L	5	NA	NA	NA		
Methylene chloride	UG/L	5	NA	NA	NA		
Trichloroethene	UG/L	5	8		60	26	27
Vinyl chloride	UG/L	2					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

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TABLE 1
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
FORMER GRIFFIN TECHNOLOGY, INC. SITE

Location ID			MW-07D	MW-07D	MW-07D	MW-07D	MW-07D
Sample ID			MW-07D	MW-07D	MW-07D	MW-07D	MW-07D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/19/94	05/21/96	08/13/97	03/18/98	09/02/98
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5		4	2	2	2
1,2-Dichloroethene (cis)	UG/L	5	7	12	13	15	15
1,2-Dichloroethene (trans)	UG/L	5	NA	NA	NA	NA	NA
Methylene chloride	UG/L	5	NA	NA	NA	NA	NA
Trichloroethene	UG/L	5	260	290	180	150	200
Vinyl chloride	UG/L	2					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda, Class GA.

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TABLE 1
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
FORMER GRIFFIN TECHNOLOGY, INC. SITE

Location ID			MW-07D	MW-07D	MW-07D	MW-07D	MW-07D
Sample ID			MW-07D	MW-07D	MW-07D	MW-07D	MW-07D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			03/17/99	09/02/99	03/28/00	09/08/00	03/08/01
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5		2			
1,2-Dichloroethene (cis)	UG/L	5	8	14	19	13	20
1,2-Dichloroethene (trans)	UG/L	5	NA	NA	NA	NA	NA
Methylene chloride	UG/L	5	NA	NA	NA	NA	NA
Trichloroethene	UG/L	5	100	180	130	180	140
Vinyl chloride	UG/L	2			4		3

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1996, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

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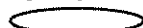
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TABLE 1
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
FORMER GRIFFIN TECHNOLOGY, INC. SITE

Location ID			MW-07D	MW-07D	MW-07D	MW-07D	MW-07D
Sample ID			MW-07D	MW-07D	MW-07D	MW-07D	MW-07D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/13/01	05/24/02	06/18/03	06/23/04	07/19/05
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	1				
1,2-Dichloroethene (cis)	UG/L	5	14	19	16	15	19
1,2-Dichloroethene (trans)	UG/L	5	NA	NA	NA	NA	NA
Methylene chloride	UG/L	5	NA	NA	NA	NA	NA
Trichloroethene	UG/L	5	150	140	120	130	120
Vinyl chloride	UG/L	2		4	2	1	

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda, Class GA.

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 Concentration Exceeds Criteria

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TABLE 1
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
FORMER GRIFFIN TECHNOLOGY, INC. SITE

Location ID			MW-07D	MW-07D	MW-07S	MW-07S	MW-07S
Sample ID			MW-7D	MW-07D	MW-07S	MW-07S	MW-07S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			08/03/09	03/21/13	12/19/94	05/21/96	08/13/97
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5			6.6	7	6
1,2-Dichloroethene (cis)	UG/L	5	24	7	8	6	6
1,2-Dichloroethene (trans)	UG/L	5			NA	NA	NA
Methylene chloride	UG/L	5			NA	NA	NA
Trichloroethene	UG/L	5	74	10	250	310	250
Vinyl chloride	UG/L	2	0.65 J				

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1996, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

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SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
FORMER GRIFFIN TECHNOLOGY, INC. SITE

Location ID			MW-07S	MW-07S	MW-07S	MW-07S	MW-07S
Sample ID			MW-07S	MW-07S	MW-07S	MW-07S	MW-07S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			03/18/98	09/02/98	03/17/99	09/02/99	03/28/00
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5		5		4	4
1,2-Dichloroethene (cis)	UG/L	5		4		4	3
1,2-Dichloroethene (trans)	UG/L	5	NA	NA	NA	NA	NA
Methylene chloride	UG/L	5	NA	NA	NA	NA	NA
Trichloroethene	UG/L	5	3	220		220	210
Vinyl chloride	UG/L	2					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

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TABLE 1
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
FORMER GRIFFIN TECHNOLOGY, INC. SITE

Location ID			MW-07S	MW-07S	MW-07S	MW-07S	MW-07S
Sample ID			MW-07S	MW-07S	MW-07S	MW-07S	MW-07S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/08/00	03/08/01	09/13/01	05/24/02	06/18/03
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5		4	3	3	2
1,2-Dichloroethene (cis)	UG/L	5		3	4	2	2
1,2-Dichloroethene (trans)	UG/L	5	NA	NA	NA	NA	NA
Methylene chloride	UG/L	5	NA	NA	NA	NA	NA
Trichloroethene	UG/L	5	210	200	190	180	130
Vinyl chloride	UG/L	2					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda, Class GA.

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Concentration Exceeds Criteria

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TABLE 1
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
FORMER GRIFFIN TECHNOLOGY, INC. SITE

Location ID			MW-07S	MW-07S	MW-07S	MW-07S	MW-07S
Sample ID			MW-07S	MW-07S	080309-FD-1	MW-7S	MW-07S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			06/23/04	07/19/05	08/03/09	08/03/09	03/21/13
Parameter	Units	Criteria*			Field Duplicate (1-1)		
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	2	2	1.4 J	1.4 J	1.1
1,2-Dichloroethene (cis)	UG/L	5	1	2	2.3 J	2.3 J	1.5
1,2-Dichloroethene (trans)	UG/L	5	NA	NA			
Methylene chloride	UG/L	5	NA	NA			
Trichloroethene	UG/L	5	130	120	77	76	58
Vinyl chloride	UG/L	2					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda, Class GA.

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TABLE 1
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
FORMER GRIFFIN TECHNOLOGY, INC. SITE

Location ID			MW-09D	MW-09D	MW-09D	MW-09D	MW-09D
Sample ID			MW-09D	MW-09D	MW-09D	MW-09D	MW-09D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			12/19/94	05/21/96	08/13/97	03/18/98	03/18/99
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5					
1,2-Dichloroethene (cis)	UG/L	5					
1,2-Dichloroethene (trans)	UG/L	5	NA	NA	NA	NA	NA
Methylene chloride	UG/L	5	NA	NA	NA	NA	NA
Trichloroethene	UG/L	5					
Vinyl chloride	UG/L	2					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

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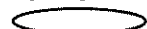
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TABLE 1
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
FORMER GRIFFIN TECHNOLOGY, INC. SITE

Location ID			MW-09D	MW-09D	MW-09D	MW-09D	MW-09D
Sample ID			MW-09D	MW-09D	MW-09D	MW-09D	MW-09D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/02/99	03/28/00	09/08/00	03/08/01	09/13/01
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5					
1,2-Dichloroethene (cis)	UG/L	5					
1,2-Dichloroethene (trans)	UG/L	5	NA	NA	NA	NA	NA
Methylene chloride	UG/L	5	NA	NA	NA	NA	NA
Trichloroethene	UG/L	5					
Vinyl chloride	UG/L	2					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1996, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

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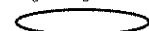
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TABLE 1
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
FORMER GRIFFIN TECHNOLOGY, INC. SITE

Location ID			MW-09D	MW-09D	MW-09D	MW-09D	MW-09D
Sample ID			MW-09D	MW-09D	MW-09D	MW-09D	MW-09D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			05/24/02	06/18/03	06/23/04	07/19/05	08/03/09
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5					
1,2-Dichloroethene (cis)	UG/L	5	1		1	2	
1,2-Dichloroethene (trans)	UG/L	5	NA	NA	NA	NA	
Methylene chloride	UG/L	5	NA	NA	NA	NA	
Trichloroethene	UG/L	5					
Vinyl chloride	UG/L	2					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

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TABLE 1
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
FORMER GRIFFIN TECHNOLOGY, INC. SITE

Location ID			MW-09D	MW-09S	MW-09S	MW-09S	MW-09S
Sample ID			MW-09D	MW-09S	MW-09S	MW-09S	MW-09S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			03/21/13	12/19/94	05/21/96	08/13/97	03/18/98
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5					
1,2-Dichloroethene (cis)	UG/L	5	1.4				
1,2-Dichloroethene (trans)	UG/L	5		NA	NA	NA	NA
Methylene chloride	UG/L	5		NA	NA	NA	NA
Trichloroethene	UG/L	5	0.93 J			2	3
Vinyl chloride	UG/L	2					

*Criteria- NYSDEC TOGS (1,1,1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

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TABLE 1
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
FORMER GRIFFIN TECHNOLOGY, INC. SITE

Location ID			MW-09S	MW-09S	MW-09S	MW-09S	MW-09S
Sample ID			MW-09S	MW-09S	MW-09S	MW-09S	MW-09S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			03/18/99	09/02/99	03/28/00	09/08/00	03/08/01
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5					
1,2-Dichloroethene (cis)	UG/L	5					
1,2-Dichloroethene (trans)	UG/L	5	NA	NA	NA	NA	NA
Methylene chloride	UG/L	5	NA	NA	NA	NA	NA
Trichloroethene	UG/L	5					
Vinyl chloride	UG/L	2					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda, Class GA.

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TABLE 1
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
FORMER GRIFFIN TECHNOLOGY, INC. SITE

Location ID			MW-09S	MW-09S	MW-09S	MW-09S	MW-09S
Sample ID			MW-09S	MW-09S	MW-09S	MW-09S	MW-09S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/13/01	05/24/02	06/18/03	06/23/04	07/19/05
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5					
1,2-Dichloroethene (cis)	UG/L	5					
1,2-Dichloroethene (trans)	UG/L	5	NA	NA	NA	NA	NA
Methylene chloride	UG/L	5	NA	NA	NA	NA	NA
Trichloroethene	UG/L	5					
Vinyl chloride	UG/L	2					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

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TABLE 1
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
FORMER GRIFFIN TECHNOLOGY, INC. SITE

Location ID			MW-09S	MW-09S	MW-09S	MW-10D	MW-10D
Sample ID			MW-9S	FD1-032113	MW-09S	MW-10D	MW-10D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			08/03/09	03/21/13	03/21/13	12/19/94	05/29/96
Parameter	Units	Criteria*		Field Duplicate (1-1)			
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5					
1,2-Dichloroethene (cis)	UG/L	5					
1,2-Dichloroethene (trans)	UG/L	5				NA	NA
Methylene chloride	UG/L	5				NA	NA
Trichloroethene	UG/L	5				8.2	8
Vinyl chloride	UG/L	2					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda, Class GA.

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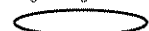
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TABLE 1
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
FORMER GRIFFIN TECHNOLOGY, INC. SITE

Location ID			MW-10D	MW-10D	MW-10D	MW-10D	MW-10D
Sample ID			MW-10D	MW-10D	MW-10D	MW-10D	MW-10D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			08/13/97	09/02/98	03/18/99	09/02/99	03/28/00
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5					
1,2-Dichloroethene (cis)	UG/L	5					
1,2-Dichloroethene (trans)	UG/L	5	NA	NA	NA	NA	NA
Methylene chloride	UG/L	5	NA	NA	NA	NA	NA
Trichloroethene	UG/L	5	15	9		7	3
Vinyl chloride	UG/L	2					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

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TABLE 1
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
FORMER GRIFFIN TECHNOLOGY, INC. SITE

Location ID			MW-10D	MW-10D	MW-10D	MW-10D	MW-10D
Sample ID			MW-10D	MW-10D	MW-10D	MW-10D	MW-10D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/08/00	03/08/01	09/13/01	05/24/02	06/18/03
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5					
1,2-Dichloroethene (cis)	UG/L	5					
1,2-Dichloroethene (trans)	UG/L	5	NA	NA	NA	NA	NA
Methylene chloride	UG/L	5	NA	NA	NA	NA	NA
Trichloroethene	UG/L	5	6	5	6	4	5
Vinyl chloride	UG/L	2					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

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SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
FORMER GRIFFIN TECHNOLOGY, INC. SITE

Location ID			MW-10D	MW-10D	MW-10D	MW-10D	MW-10S
Sample ID			MW-10D	MW-10D	MW-10D	MW-10D	MW-10S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			06/23/04	07/19/05	08/03/09	03/21/13	12/19/94
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5					
1,2-Dichloroethene (cis)	UG/L	5					
1,2-Dichloroethene (trans)	UG/L	5	NA	NA			NA
Methylene chloride	UG/L	5	NA	NA			NA
Trichloroethene	UG/L	5	5	6	5.6	5.2	7.8
Vinyl chloride	UG/L	2					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

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TABLE 1
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
FORMER GRIFFIN TECHNOLOGY, INC. SITE

Location ID			MW-10S	MW-10S	MW-10S	MW-10S	MW-10S
Sample ID			MW-10S	MW-10S	MW-10S	MW-10S	MW-10S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			05/29/96	08/13/97	09/02/98	03/18/99	09/02/99
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5	1				
1,2-Dichloroethene (cis)	UG/L	5					
1,2-Dichloroethene (trans)	UG/L	5	NA	NA	NA	NA	NA
Methylene chloride	UG/L	5	NA	NA	NA	NA	NA
Trichloroethene	UG/L	5	30	15	8		7
Vinyl chloride	UG/L	2					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

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TABLE 1
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
FORMER GRIFFIN TECHNOLOGY, INC. SITE

Location ID			MW-10S	MW-10S	MW-10S	MW-10S	MW-10S
Sample ID			MW-10S	MW-10S	MW-10S	MW-10S	MW-10S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			03/28/00	09/08/00	03/08/01	09/13/01	05/24/02
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5					
1,2-Dichloroethene (cis)	UG/L	5					
1,2-Dichloroethene (trans)	UG/L	5	NA	NA	NA	NA	NA
Methylene chloride	UG/L	5	NA	NA	NA	NA	NA
Trichloroethene	UG/L	5	1	3		6	
Vinyl chloride	UG/L	2					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1996, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

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TABLE 1
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
FORMER GRIFFIN TECHNOLOGY, INC. SITE

Location ID			MW-10S	MW-10S	MW-10S	MW-10S	MW-10S
Sample ID			MW-10S	MW-10S	MW-10S	MW-10S	MW-10S
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			06/18/03	06/23/04	06/23/04	07/19/05	07/19/05
Parameter	Units	Criteria*			Field Duplicate (1-1)		Field Duplicate (1-1)
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5					
1,2-Dichloroethene (cis)	UG/L	5					
1,2-Dichloroethene (trans)	UG/L	5	NA	NA	NA	NA	NA
Methylene chloride	UG/L	5	NA	NA	NA	NA	NA
Trichloroethene	UG/L	5		3	3		0.5
Vinyl chloride	UG/L	2					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

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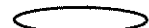
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TABLE 1
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
FORMER GRIFFIN TECHNOLOGY, INC. SITE

Location ID			MW-10S	MW-10S	MW-11D	MW-11D	MW-11D
Sample ID			MW-10S	MW-10S	MW-11D	MW-11D	MW-11D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			08/03/09	03/21/13	04/11/96	05/21/96	08/13/97
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5					
1,2-Dichloroethene (cis)	UG/L	5					
1,2-Dichloroethene (trans)	UG/L	5			NA	NA	NA
Methylene chloride	UG/L	5			NA	NA	NA
Trichloroethene	UG/L	5	4.6 J	17			
Vinyl chloride	UG/L	2					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

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TABLE 1
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
FORMER GRIFFIN TECHNOLOGY, INC. SITE

Location ID			MW-11D	MW-11D	MW-11D	MW-11D	MW-11D
Sample ID			MW-11D	MW-11D	MW-11D	MW-11D	MW-11D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			03/18/98	09/02/98	03/18/99	09/02/99	03/28/00
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5					
1,2-Dichloroethene (cis)	UG/L	5					
1,2-Dichloroethene (trans)	UG/L	5	NA	NA	NA	NA	NA
Methylene chloride	UG/L	5	NA	NA	NA	NA	NA
Trichloroethene	UG/L	5					
Vinyl chloride	UG/L	2					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations. June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

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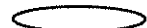
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SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
FORMER GRIFFIN TECHNOLOGY, INC. SITE

Location ID			MW-11D	MW-11D	MW-11D	MW-11D	MW-11D
Sample ID			MW-11D	MW-11D	MW-11D	MW-11D	MW-11D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-	-
Date Sampled			09/08/00	03/08/01	09/13/01	05/24/02	06/18/03
Parameter	Units	Criteria*					
Volatile Organic Compounds							
1,1,1-Trichloroethane	UG/L	5					
1,2-Dichloroethene (cis)	UG/L	5					
1,2-Dichloroethene (trans)	UG/L	5	NA	NA	NA	NA	NA
Methylene chloride	UG/L	5	NA	NA	NA	NA	NA
Trichloroethene	UG/L	5					
Vinyl chloride	UG/L	2					

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda, Class GA.

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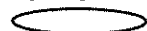
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TABLE 1
SUMMARY OF MONITORING WELL GROUNDWATER ANALYTICAL RESULTS
FORMER GRIFFIN TECHNOLOGY, INC. SITE

Location ID			MW-11D	MW-11D	MW-11D	MW-11D
Sample ID			MW-11D	MW-11D	MW-11D	MW-11D
Matrix			Groundwater	Groundwater	Groundwater	Groundwater
Depth Interval (ft)			-	-	-	-
Date Sampled			06/23/04	07/19/05	08/03/09	03/22/13
Parameter	Units	Criteria*				
Volatile Organic Compounds						
1,1,1-Trichloroethane	UG/L	5				
1,2-Dichloroethene (cis)	UG/L	5				
1,2-Dichloroethene (trans)	UG/L	5	NA	NA		
Methylene chloride	UG/L	5	NA	NA		
Trichloroethene	UG/L	5				
Vinyl chloride	UG/L	2				

*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998, including January 1999 Errata Sheet, April 2000 and June 2004 Addenda. Class GA.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

Blank cell - Not detected. NA - Not analyzed or data not available.

J - The reported concentration is an estimated value.

TABLE 2
MANN-KENDALL STATISTICAL ANALYSIS
FORMER GRIFFIN TECHNOLOGY, INC. SITE

LOCID: MW-06D

Parameter	Matrix	Class	Num of Data Points	Num of Data Point Detections	Mann-Kendall Statistic S	Probabilities (1)	Trend (2)
1,1,1-Trichloroethane	WG	VOA	17	15	-75	0.001	Downward Trend
1,2-Dichloroethene (cis)	WG	VOA	17	8	17	0.271	No Trend
1,2-Dichloroethene (trans)	WG	VOA	2	0		No Detections	
Methylene chloride	WG	VOA	2	0		No Detections	
Trichloroethene	WG	VOA	17	16	-79	0	Downward Trend
Vinyl chloride	WG	VOA	17	0		No Detections	

LOCID: MW-06S

Parameter	Matrix	Class	Num of Data Points	Num of Data Point Detections	Mann-Kendall Statistic S	Probabilities (1)	Trend (2)
1,1,1-Trichloroethane	WG	VOA	17	10	-37	0.076	Downward Trend
1,2-Dichloroethene (cis)	WG	VOA	17	6	4	0.452	No Trend
1,2-Dichloroethene (trans)	WG	VOA	2	0		No Detections	
Methylene chloride	WG	VOA	2	0		No Detections	
Trichloroethene	WG	VOA	17	13	-23	0.196	No Trend
Vinyl chloride	WG	VOA	17	0		No Detections	

LOCID: MW-07D

Parameter	Matrix	Class	Num of Data Points	Num of Data Point Detections	Mann-Kendall Statistic S	Probabilities (1)	Trend (2)
1,1,1-Trichloroethane	WG	VOA	17	6	-53	0.017	Downward Trend
1,2-Dichloroethene (cis)	WG	VOA	17	17	51	0.021	Upward Trend
1,2-Dichloroethene (trans)	WG	VOA	2	0		No Detections	
Methylene chloride	WG	VOA	2	0		No Detections	
Trichloroethene	WG	VOA	17	17	-89	No Value	
Vinyl chloride	WG	VOA	17	6	26	0.154	No Trend

LOCID: MW-07S

Parameter	Matrix	Class	Num of Data Points	Num of Data Point Detections	Mann-Kendall Statistic S	Probabilities (1)	Trend (2)
1,1,1-Trichloroethane	WG	VOA	17	14	-66	0.003	Downward Trend
1,2-Dichloroethene (cis)	WG	VOA	17	14	-51	0.021	Downward Trend
1,2-Dichloroethene (trans)	WG	VOA	2	0		No Detections	

For multiple observations per time period, the Mann-Kendall test to the median was used.

Data reported as less than the detection limit were used by assigning a common value to the data that was smaller than the smallest measurement in the data set.

(1) - Probabilities for Mann-Kendall Nonparametric Test for Trend (Gilbert R.O. 1987, Table A18).

(2) - Assuming a probability of error of 10% in the analysis method and/or data, then the probability of no trend as calculated by the Mann-Kendall statistic is less than 10%, then it is assumed that there is a trend.

* - Number of observations too small to calculate probabilities.

** - Probability Undefined for S=0 and N=6, 7, 10, 11, 14, 15, 18, 19, 22, 23, 26, 27, 30, 31, 34, or 35.

TABLE 2
MANN-KENDALL STATISTICAL ANALYSIS
FORMER GRIFFIN TECHNOLOGY, INC. SITE

LOCID: MW-07S

Parameter	Matrix	Class	Num of Data Points	Num of Data Point Detections	Mann-Kendall Statistic S	Probabilities (1)	Trend (2)
Methylene chloride	WG	VOA	2	0		No Detections	
Trichloroethene	WG	VOA	17	16	-84	No Value	
Vinyl chloride	WG	VOA	17	0		No Detections	

LOCID: MW-09D

Parameter	Matrix	Class	Num of Data Points	Num of Data Point Detections	Mann-Kendall Statistic S	Probabilities (1)	Trend (2)
1,1,1-Trichloroethane	WG	VOA	16	0		No Detections	
1,2-Dichloroethene (cis)	WG	VOA	16	4	43	0.032	Upward Trend
1,2-Dichloroethene (trans)	WG	VOA	2	0		No Detections	
Methylene chloride	WG	VOA	2	0		No Detections	
Trichloroethene	WG	VOA	16	1	15	0.282	No Trend
Vinyl chloride	WG	VOA	16	0		No Detections	

LOCID: MW-09S

Parameter	Matrix	Class	Num of Data Points	Num of Data Point Detections	Mann-Kendall Statistic S	Probabilities (1)	Trend (2)
1,1,1-Trichloroethane	WG	VOA	16	0		No Detections	
1,2-Dichloroethene (cis)	WG	VOA	16	0		No Detections	
1,2-Dichloroethene (trans)	WG	VOA	2	0		No Detections	
Methylene chloride	WG	VOA	2	0		No Detections	
Trichloroethene	WG	VOA	16	2	-19	0.225	No Trend
Vinyl chloride	WG	VOA	16	0		No Detections	

LOCID: MW-10D

Parameter	Matrix	Class	Num of Data Points	Num of Data Point Detections	Mann-Kendall Statistic S	Probabilities (1)	Trend (2)
1,1,1-Trichloroethane	WG	VOA	16	0		No Detections	
1,2-Dichloroethene (cis)	WG	VOA	16	0		No Detections	
1,2-Dichloroethene (trans)	WG	VOA	2	0		No Detections	
Methylene chloride	WG	VOA	2	0		No Detections	
Trichloroethene	WG	VOA	16	15	-36	0.058	Downward Trend
Vinyl chloride	WG	VOA	16	0		No Detections	

For multiple observations per time period, the Mann-Kendall test to the median was used.

Data reported as less than the detection limit were used by assigning a common value to the data that was smaller than the smallest measurement in the data set.

(1) - Probabilities for Mann-Kendall Nonparametric Test for Trend (Gilbert R.O. 1987, Table A18).

(2) - Assuming a probability of error of 10% in the analysis method and/or data, then the probability of no trend as calculated by the Mann-Kendall statistic is less than 10%, then it is assumed that there is a trend.

* - Number of observations too small to calculate probabilities.

** - Probability Undefined for S=0 and N=6, 7, 10, 11, 14, 15, 18, 19, 22, 23, 26, 27, 30, 31, 34, or 35.

TABLE 2
MANN-KENDALL STATISTICAL ANALYSIS
FORMER GRIFFIN TECHNOLOGY, INC. SITE

LOCID: MW-10S

Parameter	Matrix	Class	Num of Data Points	Num of Data Point Detections	Mann-Kendall Statistic S	Probabilities (1)	Trend (2)
1,1,1-Trichloroethane	WG	VOA	16	1	-13	0.313	No Trend
1,2-Dichloroethene (cis)	WG	VOA	16	0		No Detections	
1,2-Dichloroethene (trans)	WG	VOA	2	0		No Detections	
Methylene chloride	WG	VOA	2	0		No Detections	
Trichloroethene	WG	VOA	16	12	-29	0.114	No Trend
Vinyl chloride	WG	VOA	16	0		No Detections	

LOCID: MW-11D

Parameter	Matrix	Class	Num of Data Points	Num of Data Point Detections	Mann-Kendall Statistic S	Probabilities (1)	Trend (2)
1,1,1-Trichloroethane	WG	VOA	17	0		No Detections	
1,2-Dichloroethene (cis)	WG	VOA	17	0		No Detections	
1,2-Dichloroethene (trans)	WG	VOA	2	0		No Detections	
Methylene chloride	WG	VOA	2	0		No Detections	
Trichloroethene	WG	VOA	17	0		No Detections	
Vinyl chloride	WG	VOA	17	0		No Detections	

For multiple observations per time period, the Mann-Kendall test to the median was used.

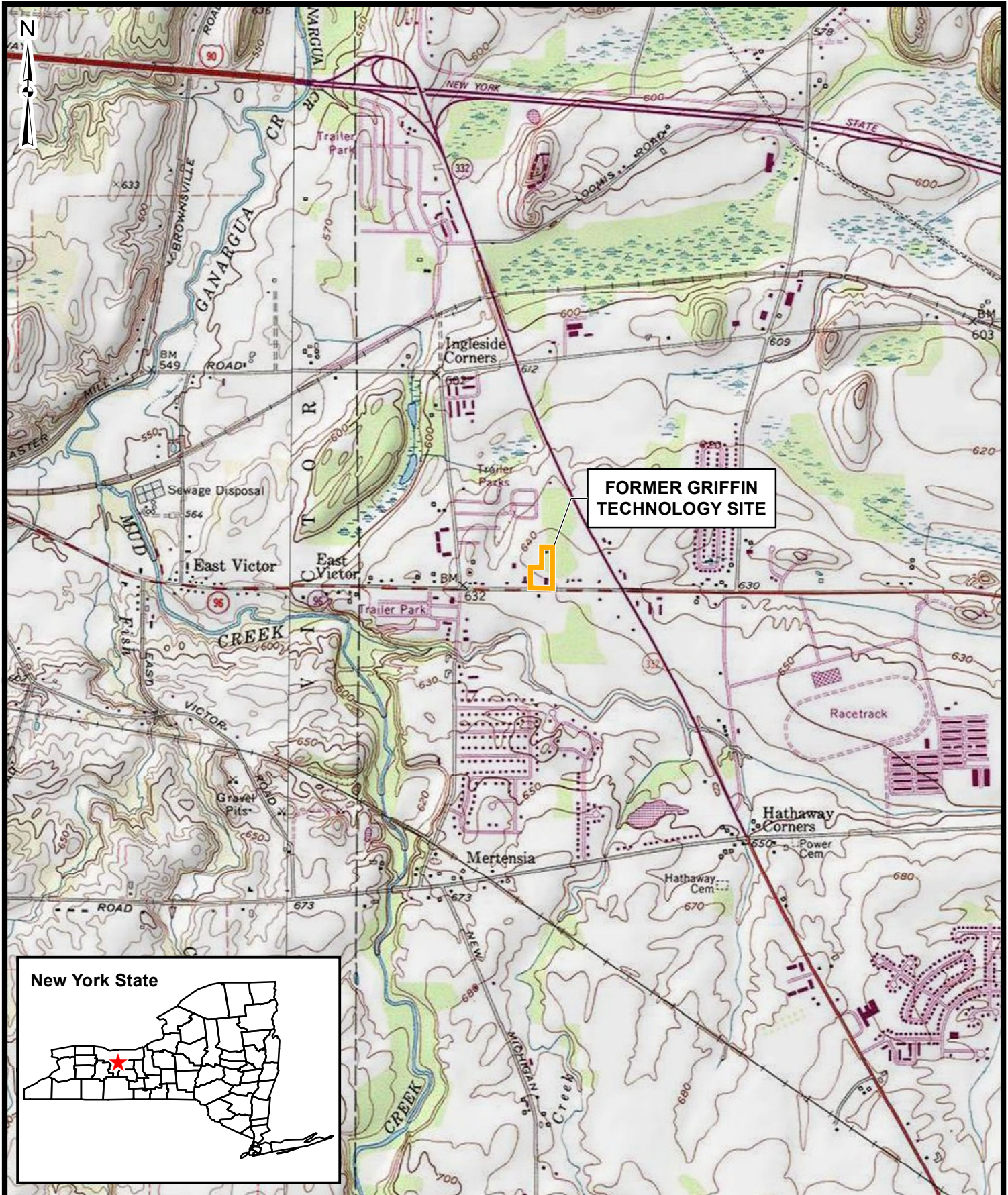
Data reported as less than the detection limit were used by assigning a common value to the data that was smaller than the smallest measurement in the data set.

(1) - Probabilities for Mann-Kendall Nonparametric Test for Trend (Gilbert R.O. 1987, Table A18).

(2) - Assuming a probability of error of 10% in the analysis method and/or data, then the probability of no trend as calculated by the Mann-Kendall statistic is less than 10%, then it is assumed that there is a trend.

* - Number of observations too small to calculate probabilities.

** - Probability Undefined for S=0 and N=6, 7, 10, 11, 14, 15, 18, 19, 22, 23, 26, 27, 30, 31, 34, or 35.



Source:
National Geographic TOPO!

2,000 0 2,000 Feet



FORMER GRIFFIN TECHNOLOGY, INC.
FARMINGTON, NEW YORK
PROJECT SITE

FIGURE 1

