

2008 Annual Residential Well Sampling Report

Project No: 1036-10081

Prepared For:

Franklin Waste Facility Monitoring Committee

Prepared By:

J Spear Associates
325 W. Vine Street
Milwaukee, WI 53212

In May of 1992 an agreement between The Waste Management Metro Landfill and Recycling Facility (Waste Facility) and the neighboring Municipalities was signed. This agreement defined the rights and responsibilities of a Monitoring Committee that would be made up of representatives from the neighboring municipalities and the “host” community, City of Franklin. The Monitoring Committee was titled the Franklin Waste Facility Monitoring Committee (Franklin WFMC). The other communities with seats on the Franklin WFMC are:

- Milwaukee County
- Waukesha County
- Racine County
- City of Muskego
- Town of Raymond
- Town of Norway

One of the responsibilities of the Waste Facility is to procure annual sampling and testing of thirty five (35) residential Wells, selected by the Franklin WFMC. The samples under go testing for constituents regulated by both the Primary and Secondary Federal Drinking Water Standards. The results of this testing is presented to the Franklin WFMC.

In 1996 the Franklin WFMC initiated a contract with; Environmental Graphics, Inc.; a consultant to analyze the results from the Annual Residential Well Sampling and provide a report summarizing results, recording sampling history, and providing recommendations for the subsequent annual sampling. In 2003, the Franklin WFMC engaged the services of Ruckert Mielke, Inc. to perform the Residential Well Sampling Report Contract for 2003 through 2005. The Franklin WFMC awarded the 2006-Annual Residential Well Sampling Contract to J Spear Associates, Inc. (JSA). JSA has maintained the contract since 2006.

J Spear initiated the contract with the analysis of the 2008 sampling, collected and tested in 2008, and the previous year's data. J Spear also made the commitment to generate this report, and aid the Franklin WFMC in the selecting the 35 Wells for sampling in 2009. J Spear has maintained the current and historic database of residential Well sampling.

In 2007, JSA repaired and converted the interface with the Well Sampling Database to be compatible with Structured Query Language (SQL). When Historic Tables were generated from the database in 2007 it was evident that data from 2001 was not present, research into past reports did not discover 2001 data. During the formation of the 2008 Well Sampling Report, JSA contacted Northern Lake Service, Inc. to see if the 2001 Sampling Event data was still on file. Northern Lake Service, Inc. supplied the data in a hard copy that has been reviewed in conjunction with writing this report. However, the data has not been included in the historical database.

On November 6, 2008, J Spear has completed Tasks 1,2, and 3 of the “Annual Well Sampling Report”, by submitting the Well Sampling Report to the Franklin WFMC. This report includes a Map of Wells Sampled, Table 1- 2008 Residential Well Sampling, Table 2 – Historic Sampling Summary, Table 3 – 2008 Residential Well Samples Exceeding the Federal Secondary Drinking Water Standard, Table 4 – History of Constituents Detected Above LOD. All tables have been sized to fit on standard Letter sized paper, however the map still requires 11”x17” formatting.

Wells Sampled

In June 2008, J Spear made recommendations to the Franklin WFMC for the selection of the 35 residential Wells for the 2008 sampling. Wells were selected based on past sampling frequency, most recent sampling, and potential for trend analysis in organic constituents detected. All Wells selected, were sampled and no substitutions were required. Two Wells were sampled that were not currently within the database and one Well was sampled that had not been sampled since the first battery of testing in 1993. Eleven Wells were sampled that had been sampled in 2007, for the evaluation of trends.

The sampling was performed by Northern Lake Service, Inc. during June of 2008. The locations are marked on MAP 1 of the report, using Tax ID to identify the property that the Well is located on. The Well location data is found in Table 1, providing Well ID, Property Owner, Property Address, and previous sampling date. Map 1 also indicates that only five Wells were sampled that had VOC concentrations present.

The graphic representation of 2008 Sampling Locations indicates that future sampling should have some focus on Wells Northeast and Southeast of the Landfill site. Historic tracking of Dichlorodifluoromethane indicates the same future sampling focus.

Federal Primary Drinking Water Standards

The 2008 Residential Well Sampling Laboratory Testing yielded no constituents that exceeded the Federal Primary Drink Water Standards Maximum Contaminant Level (MCL). However, some samples did yield constituents that were in concentrations between the Limit of Detection (LOD) and Limit of Quantification (LOQ), with two constituents in concentrations higher than the LOQ. The constituents found are all classified as Volatile Organic Compounds (VOC's).

The constituents detected were Dichlorodifluoromethane, Methylene Chloride, Chloromethane, and Toluene. The VOCs are not naturally occurring constituents of groundwater and are defined as follows:

- Dichlorodifluoromethane – Common name Freon 12 (R-12) previously used as a refrigerant and aerosol propellant. Primarily used in automobile air conditioning systems. Use banned in 1995, but still found as a by product of aerosols such as Albuterol. More research is being done concerning this contaminant found in air and groundwater. The material appears to be less volatile than expected and is found in balanced concentrations between air and water, all over the globe. The lack of Dichlorodifluoromethane in several years of surface water testing suggests that it is a groundwater or sampling location contaminant only.
- Methylene Chloride – common name Dichloromethane used primarily as a solvent. Other uses include blowing agent, chemical welding, and pesticide. There were several detects of Methylene Chloride in 2007, but the constituent was also found in the Trip Blank. There was only one incidence of Methylene Chloride in 2008, along with the Trip Blank again.
- Chloromethane – common name is Methyl Chloride (R-40) previously used as a refrigerant, still used in modern industrial cleaning agents, blowing agents, and drug

manufacturing. The constituent has appeared in two Wells previously, but not more than once in the same Well.

- Toluene – also known as Methylbenzene is a common solvent and at one time as an additive to fuels. It also occurs naturally, in low levels, with crude oil. Toluene has been in a handful of previous year's samples though nothing in excess of the LOQ.

The US EPA has tracked previously unregulated VOC's, such as Dichlorodifluoromethane, since 1986. The incidence of Dichlorodifluoromethane in public drinking water supplies, through out the US, occurs with the same frequency as Bromoform (a chemical closely related to Chloroform) and Methylene Chloride. There is no reporting of any of these constituents exceeding their individual MCL, and often not their LOQ's. The majority of reports rules all three constituents as laboratory error. Dichlorodifluoromethane has been found in the ice at both poles and appears to be persistent in the atmosphere. It is possible that home owners may still have products that have Dichlorodifluoromethane as a propellant. There are no current studies that focus on Dichlorodifluoromethane concentrations as low as found in any Well sample, and the chemical is not considered hazardous at such concentrations.

Dichlorodifluoromethane has been detected in Well samples 40 times since 1996. Though values were detected that exceeded the LOQ for this constituent, no concentrations approached the MCL of 1,000 micro grams per Liter. The surprising number of Wells with Dichlorodifluoromethane detects greater than the LOQ to the Southeast of the Landfill suggest that future sampling events be focused in that area. There have been no Dichlorodifluoromethane concentrations detected in landfill leachate at the Metro Facility.

The Wells that had R-12 in concentrations greater than the LOD are:

- The Kopp Well¹ is estimated to have a concentration of .21 micro grams per Liter of Dichlorodifluoromethane. This estimate is higher than the 2007 sampling event estimate of .16 micro grams per Liter and the estimate of 0.18 micro grams per Liter, as reported in 2005; there are no other R-12 detections in the Kopp Well history of four sampling events. In addition, the Comp Well² which is located adjacent to the Kopp Well is believed to be in the same aquifer and Dichlorodifluoromethane has never been detected in the four sampling events that it was included. The Kopp Well is also adjacent to the Penn Well, which has had a consistent content of R-12 until 2007 when none was detected. Adjacent Sumiejski³ Well was free of all VOC's as Well.
- The Perdzeck Well⁴ samples of 1999 (.29µg/L), 2000 (.33µg/L), 2003 (.38µg/L), 2006 (.25µg/L), and 2007 (.22µg/L) all had a concentration of Dichlorodifluoromethane detected. All values were between the LOD and the LOQ, this years detection is an estimated concentration of 0.28 micro grams per Liter, this value goes against the trended decline that has been seen since 2000, however the values are still estimates. Without values above the LOQ defining a trend is problematic, the Perdzeck Well should be included in the next sampling event to insure monitoring of the LOD Dichlorodifluoromethane levels. The Perdzeck Well sampling site will be changed for

1 Kopp, Adeline & Helmut 10944 W. Oakwood Road, Franklin, WI 53131 938-9999-004

2 Comp, Craig & Sheryl 10944 W. Oakwood Road, Franklin, WI 53132 938-9997-000

3 Sumiejski, Branden 10830 W. Oakwood Road, Franklin, WI 53132 938-9999-005

4 Perdzeck, Clyde & Barb 9223 8 Mile Road, Franksville, WI 53126 012-04-21-05-002-000

2009 to avoid potential contamination at the current sampling site.

- The Seager Well⁵ was sampled in 2007 and a concentration of R-12 at 2.6 micro grams per Liter was detected, Well above the LOQ, more than significantly below the MCL. In 2005 the Well had yielded a concentration of 0.37 µg/L. This year, the constituent was detected at 0.84 micro grams per Liter, above the LOQ, but Well below the previous year's sampling results. The Seager Well should be sampled in the next event to monitor the constituent concentration along with changing the sample location.

The Penn Well, previously discussed, was sampled this year and Toluene was detected as it had been in 2007 and 2006. The concentration was estimated at 0.36 micro grams per Liter, a steady estimated decline since its first detection in 2006 at 0.54 µg/L. Toluene's MCL has been set at 1 ppm, or 1,000 parts per billion (ppb). The concentration at the Well is only 0.36 ppb, Well below the Federally assigned MCL. The Penn property has numerous operations, one of which is a machine shop, which is the closest structure to the Well, air borne contamination or contamination of the source "spigot" could have contributed the constituent. There are no other Toluene "hits" in this years batch of testing.

Northern Lake Service Inc. included with its lab results, the conditions of the "Trip Blank". The trip blank is used to calibrate the testing and has an impact on the lab results. In regards to the testing of the 2008 Well Samples, the trip blank was contaminated with an 2.9 micro grams per Liter of Methylene Chloride, a constituent that was detected in one Well Sample locations. The Trip Blank contamination Well exceeds the 0.85 µg/L LOQ of the constituent. The Penn Well also had a Methylene Chloride concentration estimated at 0.79 µg/L. Regardless of the source of Methylene Chloride in this sampling event, the Penn Well is not at risk, but should be included in future sampling events as it has had similar hits, in conjunction with other Trip Blanks, in previous years. Methylene Chloride can be found in household products such as paint cleaner and various surface polishes, it is deemed the least harmful chlorocarbon.

Chloromethane is normally encountered as a gas and is found in the common household. Chloromethane is a byproduct in the burning of wood and plastics and in the chlorination of water. The Vogt⁶ Well had a detection above the LOQ at 6.4 micro grams per Liter. The US EPA does not currently set an MCL for Chloromethane, however as a gas Chloromethane can affect humans at concentrations above 50 ppm. It is unlikely that such a high concentration would be found in groundwater without neighboring Wells (Wulf⁷ and Stich⁸) being impacted. In addition, the sampling location for the Vogt Well is an exterior spigot, the sample could have been contaminated by gaseous Chloromethane created by localized combustion (*i.e* lawn mower, gas grill, etc.)

The Wisconsin Department of Natural Resources also maintains a set of parameters for groundwater contaminants. All constituents detected in the Well Sampling are found in NR 140 – Groundwater Quality. The Public Health Groundwater Quality Standards are similar to the Federal Primary Drinking Water standards.. The VOC's detected in the 2008 Well Sampling had no samples with constituents that exceeded the Preventative Action Limit

5 Seager, William & Suzie 10639 W. 8 Mile Road, Franksville, WI 53126 012-04-21-05-019-000

6 Vogt/Stieff, Daniel/Joseph 10456 S. 92nd Street, Franklin, WI 53132 944-9996-000

7 Wulf, Marvin & Loretta 10578 S. 92nd Street, Franklin, WI 53132 944-9997-000

8 Stich, Francis 10630 S. 92nd Street, Franklin, WI 53132 944-9998-000

(PAL), therefore no constituents that exceeded the Enforcement Standard.

Federal Secondary Drinking Water Standards

The secondary standards act as guide lines for public water systems. Each Well that had been previously sampled was compared to its past history. The 2008 Well Samples are consistent with the Well Sampling history and with the groundwater constituents of Southeastern Wisconsin.

Of the constituents measured under the Federal Secondary Drinking Water Standards, Iron and Sulfate are detected in excess. Fourteen (13)⁹ Wells had Iron concentrations higher than 0.3 milligrams per liter (mg/L) and eight (10)¹⁰ Wells had sulfate concentrations equal to or greater than 250mg/L. The surface water sample yielded .61mg/L Iron concentration, half the concentration of 2006. There is no indication to suggest that these concentrations are anything other than naturally occurring; however the iron concentration in the Woelbing¹¹, 1.4 mg/L is surprisingly high especially compared to the 0.37 mg/L concentration detected in the 2007 sampling event. The Woelbing owner may wish to consider evaluating his current Well construction.

Conclusions

The 2008 Well Sampling Laboratory Results yielded the existence of four contaminants in excess of the LOD. These contaminants are all VOC's and were found beneath the MCL of the Federal Primary Drinking Water Standards or an MCL is not current established. The contaminants discovered where.

- Dichlorodifluoromethane
- Methylene Chloride
- Toluene
- Chloromethane

Dichlorodifluoromethane has appeared in various Wells since sampling began in 1996, with subsequent detections in following years. Due to the detection history and the detection occurring in the same Well multiple years, laboratory contamination is unlikely. In 2007 two, previously contaminated Wells tested negatively for Dichlorodifluoromethane. This year, one historical Well has seen a reduction in Dichlorodifluoromethane above the LOQ, however the other two Wells sampled continue to show mild fluctuations of concentrations above the LOD and below the LOQ. Sampling contamination is still a possibility and all 2009 samples at previously detected R-12 Wells will be taken from a new and separate sampling site connected to the Well.

Due to the lack of Methylene Chloride detections in the Well Sampling history, the trip blank contamination, and the one detect of this year being below the LOQ; the 2008 Well Sample that detected positively for Methylene Chloride is being recorded, however no action is deemed necessary due to the low quality of the detection and the results of the Trip Blank.

9 See Table 3 Results Fe+

10 See Table 3 Results SO4

11 Woelbing Donald 8850 W. Bosch Lane, Franklin, WI 53132 935-9995-000

The Chloromethane detected in the Vogt Well is most likely due to Chloromethane in the atmosphere at the sampling location. The Well owners should be notified to ventilate the area, it is quite probable that the contamination is a one time occurrence or is repeated during equipment operation, combustion activity, or some cleaning activity. This Well should be sampled in the 2009 sampling event, preferably at a location closer to the Well head and protected from outside influence.

The estimated concentration Toluene, detected below the LOQ, suggest that the individual Well should be sampled in a future sampling event. If a history of contaminant detections develops, similar to the history with Dichlorodifluoromethane, the Wells and their neighbors should be sampled more frequently.

Recommendations

J Spear recommends 2009 – Residential Well Sampling of:

- Residents Northeast and Southeast of the Landfill Site
- Wells that have a VOC history on the boundary of the landfill site
 - Penn
- Wells that have been positive for Dichlorodifluoromethane
 - Kopp
 - Perdzeck
 - Presser
 - Seager
 - VandenBoom
- Wells that have tested above the LOQ of any VOC
 - Seager
 - Vogt

**Franklin Waste Facility Monitoring Committee
2008 Well Monitoring Report**

Table 1 2008 Residential Well Sampling

<u>Tax ID</u>	<u>Well ID</u>	<u>Owner</u>	<u>Street</u>	<u>City</u>	<u>Zip</u>	<u>NLS #</u>	<u>Prev Sample</u>
985-9997-001	118	Acker Evelyn	8820 W. County Line Road	Franksville	53126	484225	2000
012-04-21-05-012-010	149	Arnold Charles & Cheryl	9375 County Line Road	Franksville	53126	484226	2006
012-04-21-06-059	125	Blazek Joseph & Sandra	11410 W 71/2 Mile Road	Franklin	53132	484227	2006
012-04-21-07-010	8	Block Kurt & Sharon	11417 W 7 Mile Road	Franksville	53126	484228	2004
939-9996-002	92	Bonney James & N	10146 S. 124 th Street	Franklin	53132	484229	1999
010-04-20-01-026	12	Bruhn Richard	21204 Seven Mile Road	Franksville	53126	484230	2005
012-04-21-07-046-000	29	Colby Sheila	11220 6 Mile Road	Franksville	53126	484238	1993
892-9991-000	214	Deidrich Robert	11111 W. Ryan Road	Franklin	53132	484231	*
985-9999-000	135	Fredrickson Scott & Diane	8432 8 Mile Road	Franksville	53136	484234	2003
012-04-21-06-003	25	Gellings Arlen	239 S. 108 th Street	Franksville	53136	487793	2004
012-04-21-06-062-000	141	Hackstein Diane	626 Adeline Drive	Franksville	53126	484241	2007
985-9995-001	142	Hagert Mark	10820 S. 92 nd Street	Franklin	53132	484236	2003
936-9997-000	95	Hinkel William	9612 W. Oakwood Road	Franklin	53132	484237	2003
934-9998-001	675	Holterman Earl	8180 W. Oakwood Road	Franklin	53132	484239	2007
012-04-21-07-007	147	Kietzke Harold	11307 7 Mile Road	Franksville	53126	484259	2007
938-9999-004	110	Kopp Adeline & Helmut	10944 W. Oakwood Road	Franklin	53132	484240	2007
941-9996-000	39	Losey Phyllis	10520 S. 112 th Street	Franklin	53132	484242	2000
012-04-21-06-058	810	Mateika Don Jr. & Darsi	500 Shirley Drive	Franksville	53126	484243	2007
010-04-20-01-027	23	Parsons Eve	8108 Raynor Avenue	Franksville	53126	484245	1993
940-9990-000	50	Penn Mike	11640 W. Woodside Drive	Hales Corners	53130	484246	2007
012-04-21-05-002	102	Perdzock Clyde & Barb	9223 8 Mile Road	Franksville	53126	484247	2007
010-04-20-01-013	53	Sanford Dennis & Judy	8606 Raynor Avenue	Franksville	53126	484244	2007
012-04-21-05-019	146	Seager William & Suzie	10639 County Line Road	Franksville	53126	484249	2007
944-9998-000	107	Stich Francis	10630 S. 92 nd Street	Franklin	53132	484251	2004
938-9999-005	181	Sumiejski Branden	10830 W. Oakwood Road	Franklin	53132	484248	2000
012-04-21-06-055	82	Swenson Norman & Laura	11285 Shirley Drive	Franksville	53126	484250	2003
012-04-21-05-016	64	Theys/Wilke Tom/Dennis	10509 8 Mile Road	Franksville	53126	484252	2004
891-9992-000	201	Vallee/Domask Steve/Colleen	11808 W. Loomis Road	Franklin	53132	487792	*
012-04-21-06-025	807	Van Eperen George	624 Raynor Avenue	Franksville	53126	484253	2007
944-9996-000	778	Vogt/Stieff Daniel/Joseph	10456 S. 92 nd Street	Franklin	53132	484254	2005
894-9997-001	230	Weber Gregory T.	9865 S. 92 nd Street	Franklin	53132	484257	2001
935-9995-000	111	Woelbing Donald	8850 W. Bosch Lane	Franklin	53132	484255	2007
935-9994-006	680	Wolff Marvin	8502 W. Oakwood Road	Franklin	53132	484256	2005

* Well not previously sampled

Table 1 (cont) 2008 Residential Well Sampling

<u>Tax ID</u>	<u>Well ID</u>	<u>Owner</u>	<u>Street</u>	<u>City</u>	<u>Zip</u>	<u>NLS #</u>	<u>Prev Sample</u>
944-9997-000	186	Wulf Marvin & Loretta	10578 S. 92 nd Street	Franklin	53132	484233	2007
891-9989-003	195	Zolecki Michael	11835 W. Ryan Road	Franklin	53132	484258	*

* Well not previously sampled

WELL ID	Owner(s)	Well Address	CityStateZip	Taxkey Id	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	
38	Donald Lange	10905 W. Oakwood Rd.	Franklin, WI 53132	941-9983-000	X						X		X			X					
39	Ralph Losey	10520 S.112th St.	Franklin, WI 53132	941-9996-000	X				X		X	X								X	
40	Steven Zirzow	11757 7 Mile Rd.	Franksville, WI 53126	012-04-21-07-017-000	X				X							X					
41	Eugene Masconi	10530 S. 112th St.	Franklin, WI 53132	941-9997-000	X			X													
42	Don Mateicka Sr.	560 Shirley Dr.	Franksville, WI 53126	012-04-21-06-054-000	X			X			X	X	X		X				X		
43	Ruben & Deborah Martinez	9329 W. Oakwood Rd.	Franklin, WI 53132	943-9997-004	X					X				X							
44	Frank J. & Aloys J. Mente	8502 Raynor Ave.	Franksville, WI 53126	010-04-20-01-020-000	X				X			X									
45	Jerome & Marilyn Metz	11407 Shirley Ct.	Franksville, WI 53126	012-04-21-06-064-000	X								X						X		
46	Gary F. Fleming & Christine R. Bitter	603 Adeline Dr.	Franksville, WI 53126	012-04-21-06-048-000	X			X			X					X	X				
48	Jon & Barbara Olson	610-612 Adeline Dr.	Franksville, WI 53126	012-04-21-06-066-000	X					X	X	X			X				X		
49	Sanford & Kathleen Olson Trust	11308 7 Mile Rd.	Franksville, WI 53126	012-04-21-06-037-000	X						X	X				X					
50	Michael Penn	11735 W. Oakwood Rd.	Hales Corners, WI 53130	940-9989-000	X						X			X		X		X	X	X	
51	John Perkovich	10386 S. 124th St.	Franklin, WI 53132	940-9994-000	X									X							
52	Robert F. & Victoria M. Foulston	444 Adeline Dr.	Franksville, WI 53126	012-04-21-06-065-000	X																
53	Dennis & Judith Sanford	8606 Raynor Ave.	Franksville, WI 53126	010-04-20-01-013-000	X					X	X				X				X	X	X
54	Schaefer Family Living Trust	21224 7 Mile Rd.	Franksville, WI 53126	010-04-20-01-017-002	X														X		
55	Elfriede Schemeit Trust	461 Adeline Dr.	Franksville, WI 53126	012-04-21-06-041-000	X						X			X							
56	Michael N. & Pamela K. Lewis	11600 7 Mile Rd.	Franksville, WI 53126	012-04-21-06-040-000	X						X								X		
57	Greg Schrubbe	741 S. 108th St.	Franksville, WI 53126	012-04-21-06-069-000	X																
58	Personally Yours Senior Living	12115 7 Mile Rd.	Waterford, WI 53185	012-04-21-07-014-000	X																
59	Robert Schweitzer	10555 S. 92nd St.	Franklin, WI 53132	943-9997-007	X				X		X		X			X					
60	Timothy Smith	9209 W. Oakwood Rd.	Franklin, WI 53132	943-9996-001	X					X	X				X				X		
61	Charles Sobbe	707 Adeline Dr.	Franksville, WI 53126	012-04-21-06-045-000	X																
62	John Stroud	702 Highway 45	Franksville, WI 53126	012-04-21-06-030-000	X								X			X					
63	Joseph D. & Doreen A. Langfeldt	880 Adeline Dr.	Franksville, WI 53126	012-04-21-06-038-000	X		X				X	X				X					
64	Michael Theys	10509 8 Mile Rd.	Franksville, WI 53126	012-04-21-05-016-000	X						X					X				X	
65	Gary VandenBoom	11507 7 Mile Rd.	Franksville, WI 53126	012-04-21-07-005-000	X						X			X						X	
66	Carol Welch	359 S. 108th St.	Franksville, WI 53126	012-04-21-06-002-000	X				X		X	X				X					
67	Gregory Worman	499-501 Adeline Dr.	Greenfield, WI 53228	012-04-21-06-046-000	X			X			X				X				X		
68	Bill Zamecnik	10614 7 Mile Rd.	Franksville, WI 53126	012-04-21-05-022-000	X						X	X		X			X				
69	Faro R & Florence Balisteri	10623 W. Oakwood Rd.	Franklin, WI 53132	942-9998-000		X					X	X			X						
70	Frederick R. Gaffney	8820 Raynor Ave.	Oak Creek, WI 53154	010-04-20-01-005-000		X		X			X										
71	Joseph G. & Diana L. Gellings	642 S. 108th St.	Franksville, WI 53126	012-04-21-06-068-000		X							X								
72	Steve Bodi & Nanette Carlson	11207 W. 7 Mile Rd.	Franksville, WI 53126	012-04-21-07-008-000		X		X											X		
73	Ronald R. Heritz	538 Raynor Ave.	Franksville, WI 53126	012-04-21-06-021-000		X					X			X			X				
74	Jeffrey & Penny Hill	653 Adeline Dr.	Franksville, WI 53126	012-04-21-06-044-000		X					X								X		
75	Kim Williams & Paul Thiessenhusen	326 S. 124th St.	Franksville, WI 53126	012-04-21-06-013-000		X															
76	Kenneth & Mary Schingeck	11765 7 Mile Rd.	Franksville, WI 53126	012-04-21-07-019-000		X					X			X			X				
77	Brian E. & Lana M. VanScoy	642 Raynor Ave.	Franksville, WI 53126	012-04-21-06-017-000		X															
78	Ronald VandenBoom	524 Raynor Ave.	Franksville, WI 53126	012-04-21-06-019-000		X	X						X	X			X	X			
80	Wayne Ziemer	11400 7 Mile Rd.	Franksville, WI 53126	012-04-21-06-032-000		X	X					X	X		X			X			

WELL ID	Owner(s)	Well Address	CityStateZip	Taxkey Id	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
81	Dale/Linda Meyer	660 Adeline Dr.	Franksville, WI 53126	012-04-21-06-060-000			X				X						X			
82	Norm/Laura Swenson	11285 Shirley Dr.	Franksville, WI 53126	012-04-21-06-055-000			X				X			X	X					X
83	William Shittinger	10341 S. 92nd St.	Franklin, WI 53132	943-9997-010			X				X			X		X				
84	Amalia Weber	10632 S. 112th St.	Franksville, WI 53126	941-9998-000			X													
85	Jeffrey & Penny Hill	651 Adeline Dr.	Franksville, WI 53126	012-04-21-06-044-000			X									X				
86	Kim Williams & Paul Thiessenhusen	326 S. 124th St.	Franksville, WI 53126	012-04-21-06-013-000											X					
86	Kim Williams & Paul Thiessenhusen	326 S. 124th St.	Franksville, WI 53126	012-04-21-06-013-000			X				X							X		
87	Blanche Meyers	8916 Raynor Ave.	Franksville, WI 53126	010-04-20-01-003-000				X												
88	Frank Nowag	580 Shirley Dr.	Franksville, WI 53126	012-04-21-06-042-010					X					X		X	X			
89	Lisa Gardner	664 Shirley Dr.	Franksville, WI 53126	012-04-21-06-042-000					X			X								
90	Ronald J. Plevak	S98 W12712 Loomis Rd.	Palmyra, WI 53156	010-04-20-01-001-000							X									
91	Roger Berndt	12320 W. Oakwood Rd.	Franklin, WI 53132	939-9996-006							X	X				X				
92	James Bonney	10146 S. 124th St.	Franklin, WI 53132	939-9996-002							X									X
93	John T. Buncich	11210 W. 7 Mile Rd.	Franksville, WI 53126	012-04-21-06-043-000	X				X		X	X					X			
94	James Drzewiecki	10780 S. 92nd St.	Franklin, WI 53132	985-9994-002							X	X			X			X		
95	William K & Rose Hinkel	9612 W. Oakwood Rd.	Franklin, WI 53132	936-9997-000							X	X	X		X					X
96	Theodore & W Ignasiak	9880 S. 112th St.	Franklin, WI 53132	892-9999-000							X					X				X
97	Norbert & Susan Kita	10728 S. 92nd St.	Franklin, WI 53132	985-9993-003							X	X								X
98	Craig & Sheryl Comp	10944 W. Oakwood Rd.	Franklin, WI 53132	938-9997-000							X	X					X			X
99	James & Jean Langerohl	9970 S. 112th St.	Franklin, WI 53132	938-9988-008							X				X					
100	Anthony H. & Jane A. Mathews	11523 W. 7 Mile Rd.	Franksville, WI 53126	012-04-21-07-006-000							X				X					
101	Mayer, S	11100 W. Oakwood Rd.	Franklin, WI 53132	938-9999-009							X			X			X			
102	Clyde\Barb Perdsock	9223 8 Mile Rd.	Franksville, WI 53126	012-04-21-05-002-000							X	X			X			X	X	X
103	Charles H jr Presser	11100 W Oakwood Rd.	Franklin, WI 53132	938-9998-000							X						X			X
104	Todd Sarenac	9355 County Line Rd.	Milwaukee, WI 53219	012-04-21-05-009-000							X									
105	Michael Sinda	10126 7 Mile Rd.	Franksville, WI 53126	012-04-21-05-024-000							X						X			
106	William Soliwoda	239 S. 92nd St.	Franksville, WI 53126	012-04-21-05-003-000							X									
107	Francis Stich	10630 S. 92nd St.	Franklin, WI 53132	944-9998-000							X	X				X				X
108	William Theys	312 S. 108th St.	Franklin, WI 53132								X			X						
109	Ludwig Vretenar	301 S. 92nd St.	Franksville, WI 53126	012-04-21-05-005-000							X			X	X			X		
110	Helmut & Adeline Kopp	10944 W. Oakwood Rd.	Franklin, WI 53132	938-9999-004							X	X		X					X	X
111	Donald & W Woelbing	8910 W. Bosch Ln.	Franklin, WI 53132	935-9995-000							X				X				X	X
112	Marvin Wolfe	8400 W. Oakwood Rd.	Franklin, WI 53132	934-9999-002							X			X			X			
113	Waste Management	10712 S. 124th St.	Chicago, IL 60690-1450	010-04-20-01-002-000																
114	Elroy & W Rynders	8600 W Oakwood Rd.	Franklin, WI 53132	935-9994-002								X		X			X			
115	Thomas & Chris Gaulke	8674 W. Oakwood Rd.	Franklin, WI 53132	935-9994-004												X			X	
116	Donald & Paulene Acker	10023 S. 92nd St.	Franklin, WI 53132	936-9996-000											X			X		
118	Evelyn Acker	8820 W. County Line Rd.	Franksville, WI 53126	985-9997-001								X								X
119	Wayne F. & Diane M. Anderson	11761 W. 7 Mile Rd.	Franksville, WI 53126	012-04-21-07-018-000								X			X		X			
121	Doreen Hinkel	9808 W. Oakwood Road	Franklin, WI 53132	936-9998-003																X
125	Joseph & Sandra Blazek	11530 W. 7 Mile Rd.	Franksville, WI 53126	012-04-21-06-059-016								X		X				X		X

WELL ID	Owner(s)	Well Address	CityStateZip	Taxkey Id	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008
126	Erwin & Vir. Revoc Trust Bosch	8830 W. Oakwood Rd.	Franklin, WI 53132	944-9994-000																
127	Edwin & Vir. Bosch	8830 W. Oakwood Rd.	Franklin, WI 53132	935-9999-006	X										X				X	
129	Vincent Carriveau	216 Highway 45	Franksville, WI 53126	012-04-21-06-010-010													X			
131	Frank & Rafaela Rodriguez	10653 S. 76th St.	Franklin, WI 53132	945-9999-000												X				
131	Edward C. Drewitz Trust	219 92nd St.	Franksville, WI 53126	012-04-21-05-007-000											X					
134	Robert F. & Victoria M. Foulston	444 Adeline Dr.	Franksville, WI 53126	012-04-21-06-065-000											X					
135	Scott S. & Diana Fredrickson	8432 W. County Line Rd.	Franksville, WI 53126	985-9999-000								X			X					X
138	Ruth M. Grandlich	11722 W. Oakwood Rd.	Franklin, WI 53132	939-9999-000								X				X			X	
140	Shirley Haasch	6614 Channel Rd.	Waterford, WI 53185	012-04-21-06-042-000								X					X			
141	Diane & Kay Hackstein	626-628 Adeline Dr.	Franksville, WI 53126	012-04-21-06-062-000										X					X	X
142	Mark W. Hagert	10820 S. 92nd St.	Franklin, WI 53132	985-9995-001									X			X				X
146	William A. & Susie L. Seager	10639 W. 8 Mile Rd.	Franksville, WI 53126	012-04-21-05-019-000									X			X			X	X
147	Howard W. & Rebecca S. Kietzke	11307 7 Mile Rd.	Franksville, WI 53126	012-04-21-07-007-000											X				X	X
149	Charles B. Arnold & Cheryl A. Haynes	9375 W. 8 Mile Rd.	Franksville, WI 53126	012-04-21-05-010-000								X		X		X	X			X
155	Donald L. & Susan M. Kochnowicz	231 108th St.	Oak Creek, WI 53154	012-04-21-06-007-000											X			X	X	
155	Donald & Susan Kochnowicz	231 108 th Street.	Franksville WI 53126	012-04-21-06-007-000															X	
165	Robert & Rachel Millin	12026 W. Oakwood Rd.	Franklin, WI 53132	939-9996-005									X		X		X			
167	Joanne R. & Coblentz Robert M. Pawluk	Rd.	Franksville, WI 53126	987-9997-002													X			
177	Jerry A. & Jessica J. Krause	627 Shirley Dr.	Franksville, WI 53126	012-04-21-06-059-004													X		X	
181	Branden Sumiejski	10830 W. Oakwood Rd.	Franklin, WI 53132	938-9999-005								X								X
182	James J. & Cheryl A. Bayer	1030 Silvermist Ct.	Franksville, WI 53126	012-04-21-06-012-100														X		
186	Loretta A. Gebel Wulf	10578 S. 92nd St.	Franklin, WI 53132	944-9997-000								X				X			X	X
191	Dave Mudgett	9911 S. 92nd St.	Franklin, WI 53132	936-9995-000								X	X					X		
192	Greg Schrubbe	663 108th St.	Franksville, WI 53126	012-04-21-06-069-000								X								
195	Michael Zolecki	11835 W. Ryan Rd	Franklin, WI 53132	891-9989-003																X
201	Colleen Domask & Steve Vallee	11808 W. Loomis Rd.	Franklin, WI 53132	891-9992-000																X
214	Robert Deidrich	11111 W. Ryan Rd.	Franklin, WI 53132	892-9991-000																X
229	Theodore Ignasiak	9880 S. 112th Street	Franklin, WI 53132	893-9999-000									X							
230	Gregory T. Weber	9865 S 92nd ST	Franklin, WI 53132	894-9997-001									X							X
288	James & Delores Acker	10563 S. 27th Street	Franklin, WI 53132	951-9996-007															X	
294	James Bayer	272 Raynor Avenue	Franksville WI 53126	012-04-21-06-012-100														X	X	
355	Duane & Dorothy Acher	RT 1 Box 158	Franksville, WI 53126	985-9997-003											X			X		
363	Sally Thompson	425 W Willow CT #222	Fox Point, WI 53217	987-9997-003									X							
664	Richard Schweitzer	7912 W Oakwood Road	Franklin, WI 53132	934-9992-004												X				
665	David Schweitzer	20 Watters Court	Franklin, WI 53132	934-9995-000											X				X	
671	Daryl & Ann Kooping	10007 S 76th ST	Franklin, WI 53132	934-9994-001												X				
675	Earl & Lucille Holterman	8180 W Oakwood Road	Franklin, WI 53132	934-9998-001												X			X	X
680	Marvin W. Wolff	8502 W Oakwood Rd.	Franklin, WI 53132	935-9994-006													X			X
698	James & Jean Langenohl	9970 S 112th Street	Franklin, WI 53132	938-9988-005									X		X				X	
700	PROM TRUST PROM, JAMES & JANE	9918 S 112th Street	Franklin, WI 53132	938-9988-007									X		X		X			
705	Ursula Immekus	10070 S 112th Street	Franklin, WI 53132	938-9992-000											X					

**Franklin Waste Facility Monitoring Committee
2008 Well Monitoring Report**

Table 3 2008 Residential Well Samples Exceeding the Federal Secondary Drinking Water Standards

<u>Tax ID</u>	<u>Well ID</u>	<u>Owner</u>	<u>NLS #</u>	<u>Results Fe+</u>		<u>Results SO4</u>	
				<u>Iron</u> (mg/L)	<u>MCL</u>	<u>Sulfate</u> (mg/L)	<u>MCL</u>
985-9997-001	118	Acker Evelyn	484225	0.46	0.30		
012-04-21-05-012-010	149	Arnold Charles & Cheryl	484226			350	250
012-04-21-06-059	125	Blazek Joseph & Sandra	484227			260	250
012-04-21-07-010	8	Block Kurt & Sharon	484228	0.35	0.30	260	250
939-9996-002	92	Bonney James & N	484229	0.33	0.30		
985-9999-000	135	Fredrickson Scott & Diane	484234	0.69	0.30	340	250
012-04-21-06-003	25	Gellings Arlen	487793	0.39	0.30	290	250
012-04-21-06-062-000	141	Hackstein Diane	484241			350	250
941-9996-000	39	Losey Phyllis	484242	0.42	0.30		
012-04-21-06-058	810	Mateika Don Jr. & Darsi	484243			340	250
010-04-20-01-027	23	Parsons Eve	484245	0.51	0.30		
012-04-21-05-002	102	Perdzock Clyde & Barb	484247			280	250
010-04-20-01-013	53	Sanford Dennis & Judy	484244	0.35	0.30		
012-04-21-05-019	146	Seager William & Suzie	484249	0.48	0.30	250	250
938-9999-005	181	Sumiejski Branden	484248	0.48	0.30		
012-04-21-05-016	64	Theys/Wilke Tom/Dennis	484252			260	250
012-04-21-06-025	807	Van Eperen George	484253	0.54	0.30		
944-9996-000	778	Vogt/Stieff Daniel/Joseph	484254	0.33	0.30		
935-9995-000	111	Woelbing Donald	484255	1.40	0.30		

**Franklin Waste Facility Monitoring Committee
2008 Well Monitoring Report**

Table 4 Historic Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Well ID</u>	<u>Owner</u>		2007 Residential Well Samples Exceeding Constituent LOD				
				<u>Iron*</u> (mg/L)	<u>Sulfate*</u> (mg/L)	<u>Dichloro difluoro methane</u> (µg/L)	<u>Styrene</u> (µg/L)	<u>Toluene</u> (µg/L)
012-04-21-06-012-100	294	Bayer	James	0.42	250			
938-9997-000	98	Comp	Craig & Cheryl	0.31				
939-9999-000	138	Grandlich	Ruth	0.93				
012-04-21-06-062-000	141	Hackstein	Diane & Kay		360			
936-9998-003	121	Hinkel	Doreen	0.48				
012-04-21-07-007-000	147	Kietzke	Howard	0.38				
012-04-21-06-007-000	155	Kochnowicz	Donald & Susan	1.30				
938-9999-004	110	Kopp	Adeline & Helmut			0.16		
012-04-21-06-059-004	177	Krause	Jerry & Jessica	0.49				
941-9985-000	20	Latus	Ron	0.36				
941-9997-000	42	Mateicka, Sr.	Don		370			
010-04-20-01-001-000	17	Olson	Jon & Barbara	0.32	340			
940-9989-000	50	Penn	Mike	0.97				0.48
012-04-21-05-002-000	102	Perdzeck	Clyde & Barb		260	0.22		
938-9998-000	103	Presser	Charles			0.61**		
010-04-20-01-013-000	53	Sanford	Dennis & Judy	0.37				
012-04-21-05-019-000	146	Seager	William & Susie	0.37	250	0.37		
012-04-21-06-025-000	807	Van Eperen	George	0.48	250			
012-04-21-06-017-000	65	VandenBoom	Gary	0.51	260	0.74**		
935- 9999-009	808	Woelbing	Donald				0.20	

* Exceedence of the Federal Secondary Drinking Water Standards

** Above the LOQ

2006 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Well ID</u>	<u>Owner</u>		<u>Iron*</u> (mg/L)	<u>Sulfate*</u> (mg/L)	<u>Dichloro difluoro methane</u> (µg/L)	<u>Chloroform</u> (µg/L)
985-9997-003	355	Acker	Duane	1.40			
012-04-21-05-010-000	149	Arnold	Charles		340		0.16
012-04-21-06-012-100	294	Bayer	James	0.42	260		
012-04-21-07-011-000	5	Bedalov	Joseph	0.36	260		
012-04-21-06-059-016	125	Blazek	Joseph & Sandra		270		
012-04-21-07-008-000	72	Carlson	N & Bodi S	0.55			
012-04-21-06-010-020	13	Carriveau	Doris		360		
940-9997-000	14	Couillard	Gilbert & Dorothy	0.35			
985-9994-002	94	Drzewieki,	James				0.33
012-04-21-06-042-000	89	Gardner	Lisa	0.36	300		
012-04-21-06-008-000	24	Gellings	Alan	0.74	270		
012-04-21-06-044-000	6	Hill	Penny		330		
941-9982-000	38	Lange	Donald	0.62			
939-9998-001	165	Millin	Robert & Rachel	0.62			
012-04-21-06-066-000	48	Olson	Jon & Barbara	0.30	370		
940-9989-000	50	Penn	Mike	0.37		2.7**	
012-04-21-05-002-000	102	Perdzock	Barb		270	0.25	
012-04-21-06-013-000	86	Thiessenhusen	Kim & Paul	0.42			
012-04-21-06-017-000	65	VandenBoom	Gary	0.39			
935- 9999-009	808	Woelbing	Donald	1.50			
012-04-21-06-046-000	67	Worman	June	0.42	310		
012-04-21-06-032-000	80	Ziemer	Wayne	1.30	250		

* Exceedence of the Federal Secondary Drinking Water Standards

** Above the LOQ

2005 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Well ID</u>	<u>Owner</u>		<u>Iron*</u> (mg/L)	<u>Sulfate*</u> (mg/L)	<u>Dichloro difluoro methane</u> (µg/L)	<u>Chloro- methane</u> (µg/L)	<u>Chloroform</u> (µg/L)	<u>Toluene</u> (µg/L)
012-04-21-07-018-000	119	Anderson	Wayne	0.31					
012-04-21-05-010-000	149	Arnold	Charles	0.33	340				
010-04-20-01-026-000	12	Bruhn	Richard		260				
987-9997-002	167	Coblentz	JoAnne	0.43	310				
012-04-21-06-048-000	46	Fleming, Sr.	Gary		320				
012-04-21-06-004-000	803	Gellings	Beverly & Lloyd	0.46	280				
939-9999-000	138	Grandlich	Ruth	0.97					
012-04-21-07-002-000	28	Hebron	Arline	0.36					
012-04-21-06-021-00	73	Heritz	Ronald	0.48					
938-9999-004	110	Kopp	Adeline & Helmut	0.31		0.18			
012-04-21-06-035-000	7	Ludke	Preston	0.31					
939-9995-000	722	Machulak	Walter & Audrey	0.81					
012-04-21-06-060-000	81	Meyer	Dale	0.57	270				
939-9996-005	165	Millin	Robert & Rachel	0.55					
012-04-21-06-042-010	88	Nowag	Frank	0.71	390			1.2**	0.19
989-9998-003	3	Schill	Al & Gwen						
012-04-21-07-019-000	76	Schingeck	Ken	0.56					
012-04-21-05-019-000	146	Seager	Bill & Susie	0.53	250	0.37			
012-04-21-05-024-000	105	Sinda	Michael		310				
944-9999-002	782	Stanisz	Marian				0.19		
012-04-21-06-025-000	807	Van Eperen	George		260				
012-04-21-06-019-000	78	VandenBoom	Ronald	0.36	250	0.16			

* Exceedence of the Federal Secondary Drinking Water Standards

** Above the LOQ

2004 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Well ID</u>	<u>Owner</u>		<u>Iron*</u> (mg/L)	<u>Sulfate*</u> (mg/L)	<u>Dichloro difluoro methane</u> (µg/L)	<u>Toluene</u> (µg/L)
939-9996-006	91	Berndt	Roger	0.42			
012-04-21-07-010-00	8	Block	Kurt	0.35	260		
010-04-20-01-001-000	16	DeBack	Harold	0.46	300		
892-9991-000	214	Diekow	Dorothy	1			
012-04-21-06-048-000	46	Fleming, Sr.	Gary		300		
012-04-21-06-008-000	24	Gellings	Alan		250		0.16
012-04-21-06-003-000	25	Gellings	Arlen		250		
012-04-21-05-021-000	26	Gellings	Diana	0.35			
012-04-21-06-044-000	6	Hill	Penny		330		
012-04-21-06-042-010	88	Nowag	Frank	0.34	370		
012-04-21-06-037-000	49	Olson	Sanford	0.52		0.94**	
940-9989-000	50	Penn	Mike	0.35		0.93**	
938-9999-006	716	Werther	Jennifer			0.27	

* Exceedence of the Federal Secondary Drinking Water Standards

** Above the LOQ

2003 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Well ID</u>	<u>Owner</u>		<u>Iron*</u> (mg/L)	<u>Sulfate*</u> (mg/L)	<u>Dichloro difluoro methane</u> (µg/L)
985-9996-000	117	Acker	Dorothy	1		
012-04-21-07-018-000	119	Anderson	Wayne	0.33		
942-9998-000	69	Balisteri	Frank	0.32		0.87**
012-04-21-06-010-020	13	Carriveau	Doris		390	
012-04-21-05-007-000	131	Drewitz	Edward	0.36	250	
985-9999-000	135	Fredrickson	Diana	0.68	310	
938-9992-000	705	Immekus	Ursula	0.51		
012-04-21-07-007-000	147	Kietzke	Howard & Becky	0.51		
012-04-21-06-059-004	177	Krause	Sandra & Edward	0.55	270	
941-9985-000	20	Latus	Ronald	0.31		
941-9997-000	42	Mateicka, Sr.	Don	0.53	320	
012-04-21-07-006-000	100	Mathews	Anthony & Jan			0.44
939-9996-005	165	Millin	Robert & Rachel	0.49		
012-04-21-06-066-000	48	Olson	Jon & Barbara	0.34	320	
012-04-21-05-002-000	102	Perdzock	Clyde			0.38
010-04-20-01-013-000	53	Sandford	Dennis & Judy	0.35		
Surface Water				0.31		
012-04-21-05-005-000	109	Vretenar	Ludwig		360	
935- 9999-009	808	Woelbing	Donald	6.1		
012-04-21-06-046-000	67	Worman	June & Gregor	0.33	270	
012-04-21-06-032-000	80	Ziemer	Wayne	2.9		

* Exceedence of the Federal Secondary Drinking Water Standards

** Above the LOQ

2002 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Well ID</u>	<u>Owner</u>		<u>Iron*</u> (mg/L)	<u>Sulfate*</u> (mg/L)	<u>Dichloro difluoro methane</u> (µg/L)	<u>Chloroform</u> (µg/L)
01204-21-07-011-000	5	Bedalov	Joseph	0.43	260		
012-04-21-06-059-016	125	Blazek	Joseph		260		
012-04-21-07-010-00	8	Block	Kurt		280		
987-9997-002	167	Coblentz	JoAnne	0.95	370		0.75
012-04-21-06-008-000	24	Gellings	Alan	0.62	270		
012-04-21-06-003-000	25	Gellings	Arlen		270		
012-04-21-06-062-000	141	Hackstein	Dian		360		
012-04-21-06-021-000	73	Heritz	Ronald	1.2			
010-04-20-01-004-000	30	Hintz	Jack & Kat	0.35	250		
Unknown	Unknown	Kolp	Carolyn		350		
012-04-21-06-035-000	7	Ludke	Preston	0.3			
940-9989-000	50	Penn	Mike			2.8**	
012-04-21-06-042-010	88	Nowag	Frank		340		
012-04-21-06-041-000	55	Schemeit	Elfri	0.65			
012-04-21-07-019-000	76	Schingeck	Ken	0.38			
012-04-21-06-055-000	82	Swenson	Norman	0.87			
012-04-21-06-017-000	65	VandenBoom	Gary	0.41			
012-04-21-06-019-000	78	VandenBoom	Ronald	0.51		0.33	
012-04-21-05-005-000	109	Vretenar	Ludwig		390		
938-9997-000	98	Whipple	Adeline			0.25	
012-04-21-06-013-000	86	Williams	Kim & Paul	0.52	250		
012-04-21-05-022-000	68	Zamecnik	Bill	0.45			

* Exceedence of the Federal Secondary Drinking Water Standards

** Above the LOQ

2001 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Well ID</u>	<u>Owner</u>		<u>Iron*</u> (mg/L)	<u>Sulfate*</u> (mg/L)	<u>Dichloro difluoro methane</u> (µg/L)
012-04-21-06-019-000	78	VandenBoom	Ronald			0.33
012-04-21-07-016-000	35	Janikowski	Robert & Jill			0.36
012-04-21-06-030-000	62	Stroud	John	0.47		
012-04-21-06-064-000	45	Metz	Jerome & Marlyn	0.32	250	
941-9997-000	42	Mateicka, Sr.	Don	0.39	350	
941-9982-000	745	Lange	Donald	0.62		
012-04-21-05-021-000	26	Gellings	Diana	0.58		
012-04-21-06-042-000	89	Gardner	Lisa	0.48	290	
012-04-21-06-048-000	46	Fleming	Gary	0.33	300	
010-04-20-01-031-000	1	Abramowski	Harold		260	

* Exceedence of the Federal Secondary Drinking Water Standards

** Above the LOQ

2000 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Well ID</u>	<u>Owner</u>		<u>Iron*</u> (mg/L)	<u>Sulfate*</u> (mg/L)	<u>Dichloro difluoro methane</u> (µg/L)	<u>Chloro- methane</u> (µg/L)	<u>Ortho Xylene</u> (µg/L)	<u>1,2,4- Trimethyl benzene</u> (µg/L)
985-9996-000	117	Acker	Dorothy	3.2					
012-04-21-07-018-000	119	Anderson	Wayne	0.49					
942-9998-000	69	Balisteri	Frank			0.56**			
939-9996-006	91	Berndt	Roger	0.47					
012-04-21-06-059-016	125	Blazek	Joseph	0.35	250				
010-04-20-01-001-000	16	DeBack	Harold		280	0.13			
985-9999-000	135	Fredrickson	Diana	0.53	300				
012-04-21-06-042-000	89	Gardner	Lisa	0.59	290				
012-04-21-06-004-000	803	Gellings	Beverly & Lloyd	0.49	260				
939-9999-000	138	Grandlich	Ruth	0.35					
012-04-21-06-042-000	140	Haasch	Shirley		270				
936-9997-000	95	Hinkel	William & Rose	0.34					
010-04-20-01-031-000	1	Abramowski	Harold			0.25			
Unknown	Unknown	Kolp	Carolyn	0.31	300				
941-9997-000	42	Mateicka, Sr.	Don	0.39	340				
010-04-20-01-020-000	44	Mente	Frank	0.99					
939-9996-005	165	Millin	Robert & Rachel	0.47					
012-04-21-06-037-000	49	Olson	Sanford	0.52		0.92**			
012-04-21-06-066-000	48	Olson	Jon & Barbara	0.79	300				
012-04-21-05-002-000	102	Perdzock	Clyde		260	0.33			
012-04-21-06-069-000	192	Prodoehl	Phil	0.37	420				
935-9994-002	114	Rynders	Elroy					0.12	0.27
944-9998-000	107	Stick	Starosta	0.36					
Surface Water				1.7					
938-9999-005	181	Tomczak	David	0.54					
012-04-21-06-019-000	78	VandenBoom	Ronald	0.59			0.29		
938-9997-000	98	Whipple	Adeline	0.36		0.51			

* Exceedence of the Federal Secondary Drinking Water Standards

** Above the LOQ

1999 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Well ID</u>	<u>Owner</u>		<u>Iron*</u> (mg/L)	<u>Sulfate*</u> (mg/L)	<u>Dichloro difluoro methane</u> (µg/L)	<u>Chloroform</u> (µg/L)	<u>Toluene</u> (µg/L)
010-04-20-01-001-000	90	Alex	George	1.7		0.44		
942-9998-000	69	Balisteri	Frank			0.32		
012-04-21-06-027-000	4	Barbian	Marcela	9.2				
01204-21-07-011-000	5	Bedalov	Joseph	0.37				
939-9996-006	91	Berndt	Roger	0.37				
012-04-21-07-010-00	8	Block	Kurt	0.51				0.13
012-04-21-06-043-000	93	Buncich	John	0.42				
940-9997-000	14	Couillard	Gilbert	0.33				
010-04-20-01-001-000	16	DeBack	Harold	0.3				
010-04-20-01-005-000	70	Gaffney	Frederick	0.37				
012-04-21-06-003-000	25	Gellings	Arlen	1.2				
012-04-21-06-031-000	27	Harris	Tom	0.32				
012-04-21-06-021-00	73	Heritz	Ronald	0.43				
936-9997-000	95	Hinkel	William & Rose	0.38				
012-04-21-06-013-000	86	Hubbard	Gary & Nancy	0.46				
012-04-21-06-057-000	809	Jorgenson	Bryan & Mandie	0.51				
010-04-20-01-031-000	1	Abramowski	Harold			0.22		
938-9999-004	110	Kopp	Adeline & Helmut	0.42				
941-9982-000	38	Lange	Donald	0.36				
012-04-21-06-038-000	63	Langfeldt	Joseph & Doreen	0.5				
941-9997-000	42	Mateicka, Sr.	Don	0.35				
012-04-21-06-066-000	48	Olson	Jon & Barbara	0.32				
012-04-21-06-037-000	49	Olson	Sanford	0.44		0.44		
940-9989-000	50	Penn	Mike	1.3		0.7**		
012-04-21-05-002-000	102	Perdzock	Clyde			0.29		
010-04-20-01-013-000	53	Sandford	Dennis & Judy	0.45				
012-04-21-05-009-000	104	Savenac	Todd	0.5				
012-04-21-07-019-000	76	Schingeck	Ken	0.41				
012-04-21-06-040-000	56	Schmid	Neil	0.36				
944-9998-000	107	Stick	Starosta				0.26	
Trip Blank								0.2
012-04-21-06-019-000	78	VandenBoom	Ronald	0.59				
938-9997-000	98	Whipple	Adeline			0.35		

* Exceedence of the Federal Secondary Drinking Water Standards

** Above the LOQ

<u>Tax ID</u>	<u>Well ID</u>	<u>Owner</u>		<u>Iron*</u> (mg/L)	<u>Sulfate*</u> (mg/L)	<u>Dichloro difluoro methane</u> (µg/L)	<u>Chloroform</u> (µg/L)	<u>Toluene</u> (µg/L)
935- 9999-009	808	Woelbing	Donald	0.88				
012-04-21-05-022-000	68	Zamecnik	Bill					0.13

* Exceedence of the Federal Secondary Drinking Water Standards
** Above the LOQ

1998 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Well ID</u>	<u>Owner</u>		<u>Iron*</u> (mg/L)	<u>Sulfate*</u> (mg/L)	<u>Dichloro difluoro methane</u> (µg/L)
940-9997-000	14	Couillard	Gilbert	0.36		
892-9991-000	214	Diekow	Dorothy	0.78		
012-04-21-06-008-000	24	Gellings	Alan	0.72		
012-04-21-06-003-000	25	Gellings	Arlen	0.35		
012-04-21-06-057-000	809	Jorgenson	Bryan & Mandie	0.4	250	
010-04-20-01-031-000	1	Abramowski	Harold			0.27
012-04-21-06-066-000	48	Olson	Jon & Barbara	1.2	250	
012-04-21-06-037-000	49	Olson	Sanford	0.37		

1997 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Well ID</u>	<u>Owner</u>		<u>Iron*</u> (mg/L)	<u>Sulfate*</u> (mg/L)	<u>Dichloro difluoro methane</u> (µg/L)	<u>1,1,1- Trichloro- ethane</u> (µg/L)
012-04-21-07-016-000	35	Janikowski	Bob & Jill	0.38		0.09	
941-9996-000	39	Losey	Ralph	0.3			0.06
010-04-20-01-020-000	44	Mente	Frank	1		0.13	
012-04-21-07-017-000	40	Zirzow	Stephen			0.25	

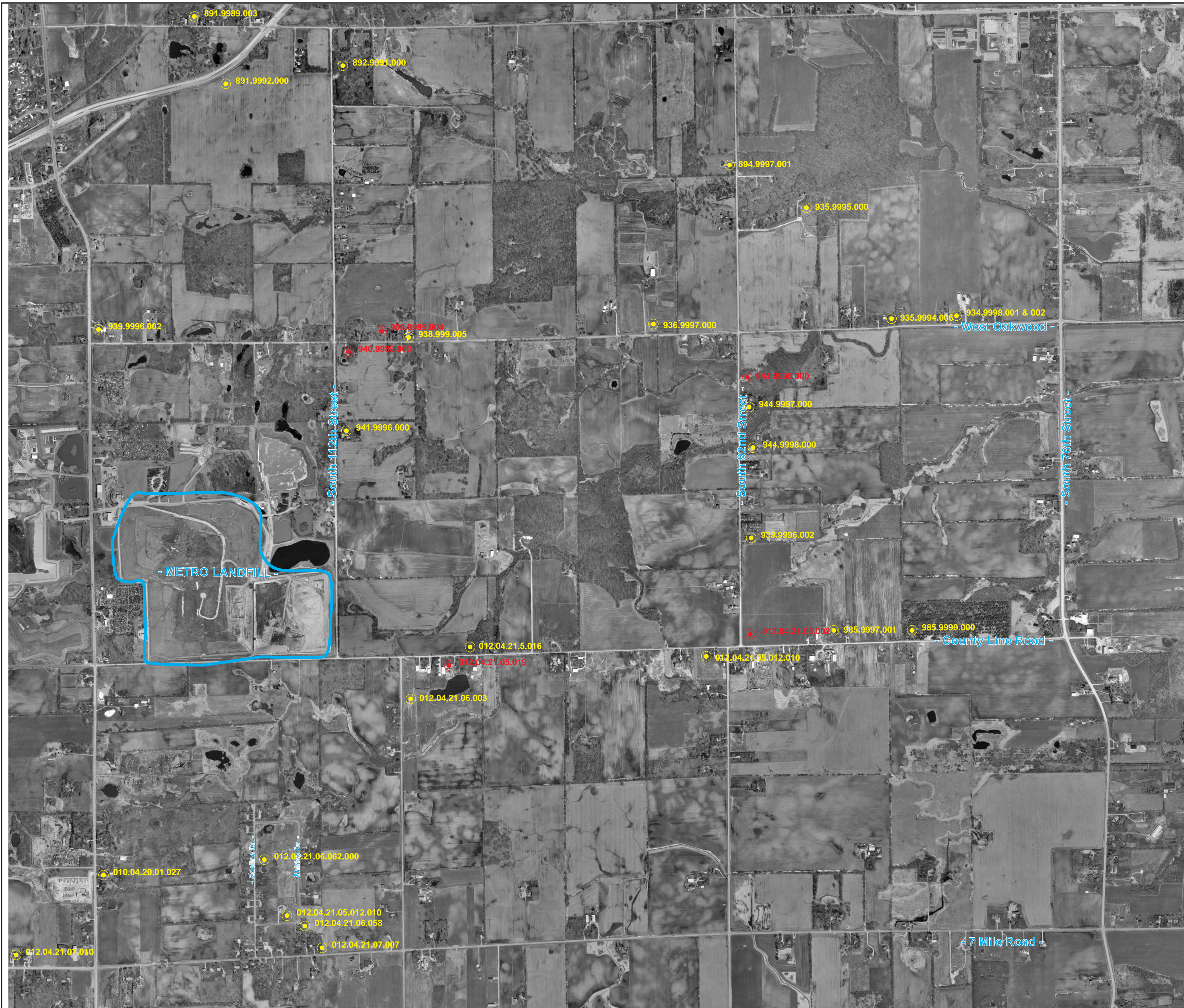
1996 Residential Well Samples Exceeding Constituent LOD

<u>Tax ID</u>	<u>Well ID</u>	<u>Owner</u>		<u>Iron*</u> (mg/L)	<u>Sulfate*</u> (mg/L)	<u>Dichloro difluoro methane</u> (µg/L)
012-04-21-06-010-020	13	Carriveau	Doris		270	
012-04-21-06-048-000	46	Fleming, Sr.	Gary		280	
010-04-20-01-005-000	70	Gaffney	Frederick	0.3		
941-9997-000	42	Mateicka, Sr.	Don	0.52	310	0.16
010-04-20-01-003-000	87	Meyers	Blanche	0.49		
012-04-21-06-046-000	67	Worman	June & Gregor		260	

* Exceedence of the Federal Secondary Drinking Water Standards

** Above the LOQ

MAP 1
2008 Well Sampling Report
Sample Locations



● Testing Site

● Testing Site,
 Organic Compound Detected

J Spear Associates

ENVIRONMENTAL ENGINEERS

325 West Vine Street
 Milwaukee, WI 53212-3606
 Telephone (414) 263-2122, ext. 25
 Cellular (414) 687-0518 Facsimile (414) 435-3110
 email: jw@jspear.com
<http://www.jspear.com>