GIS REGISTRY INFORMATION

SITE NAME:	Verona Quik Mart		
BRRTS #:	03-13-001148	**FID #** (if appropriate):	
COMMERCE # (if appropriate):	53593-1223-02		
CLOSURE DATE:	January 21, 2003		
STREET ADDRESS:	202 E Verona Ave		
CITY:	Verona		

SOURCE PROPERTY GPS COORDINATES (meters in WTM91 projection):	**X =**	558169		**Y =**	279957	
CONTAMINATED MEDIA:	Groundwater	**X**	Soil		Both	
OFF-SOURCE GW CONTAMINATION >ES:		**Yes**			**No**	**X**
• **IF YES, STREET ADDRESS:**						
• **GPS COORDINATES** (meters in WTM91 projection):	**X =**			**Y =**		
OFF-SOURCE SOIL CONTAMINATION >Generic or Site-Specific RCL (SSRCL):		**Yes**		**No**		
• **IF YES, STREET ADDRESS 1:**						
• **GPS COORDINATES** (meters in WTM91 projection):	**X =**			**Y =**		
CONTAMINATION IN RIGHT OF WAY:	**Yes**			**No**	**X**	

DOCUMENTS NEEDED

Closure Letter, and any conditional closure letter issued or denial letter issued.	X
Copy of most recent deed, including legal description, for all affected properties	X
Certified survey map or relevant portion of the recorded plat map (*if referenced in the legal description*) for all affected properties	X
County Parcel ID number, *if used for county*, for all affected properties	
Location Map which outlines all properties within contaminated site boundaries on USGS topographic map or plat map in sufficient detail to permit the parcels to be located easily (8.5x14" if paper copy). If groundwater standards are exceeded, the map must also include the location of all municipal and potable wells within 1200' of the site.	X
Detailed Site Map(s) for all affected properties, showing buildings, roads, property boundaries, contaminant sources, utility lines, monitoring wells and potable wells. (8.5x14", if paper copy) This map shall also show the location of all contaminated public streets, highway and railroad rights-of-way in relation to the source property and in relation to the boundaries of groundwater contamination exceeding ch. NR 140 ESs and soil contamination exceeding ch. NR 720 generic or SSRCLs.	X
Tables of Latest Groundwater Analytical Results (no shading or cross-hatching)	X
Tables of Latest Soil Analytical Results (no shading or cross-hatching)	X
Isoconcentration map(s), *if required for site investigation (SI)* (8.5x14" if paper copy). The isoconcentration map should have flow direction and extent of groundwater contamination defined. **If not available, include the latest extent of contaminant plume map.**	X
GW: Table of water level elevations, with sampling dates, and free product noted if present	X
GW: Latest groundwater flow direction/monitoring well location map (should be 2 maps if maximum variation in flow direction is greater than 20 degrees)	X
SOIL: Latest horizontal extent of contamination exceeding generic or SSRCLs, with one contour	
Geologic cross-sections, *if required for SI.* (8.5x14' if paper copy)	X
RP certified statement that legal descriptions are complete and accurate.	X
Copies of off-source notification letters (if applicable)	
Letter informing ROW owner of residual contamination (if applicable)(public, highway or railroad ROW)	
Copy of (soil or land use) deed restriction (s) or deed notice if any required as a condition of closure	
Copy of any maintenance plan referenced in the deed restriction	

CASE SUMMARY AND CLOSE OUT FORM

Personal information you provide may be used for secondary purposes [Privacy Law, s. 15.04 (1)(m)]

Date Received (office use only)

A. Commerce Number: 5 3 5 9 3 - 1 2 2 3 - 0 2 - A

WDNR BRRTS Number: 0 3 - 1 3 - 0 0 1 1 4 8

B. Site Name, Address, City, and Zip Code

Verona Quick Mart
202 E. Verona Avenue
Verona, WI 53593

F. Check all that apply:

- ☐ Non petroleum contamination present on site.
- ☐ Free Product present at 0.01 feet in thickness or more during multiple measurements.
- ☐ Potable well contaminant(s) > PAL per ch. NR 140.
- ☐ An enforcement standard is exceeded within 1,000 feet of a municipal well as defined in s. 196.01 (5a) or within 100 feet of any other well used to provide water for human consumption.
- ☐ An enforcement standard is exceeded in bedrock

C. Responsible Party or Owner Name, Address, City, State, Zip Code, and Phone Number

Mr. Ed Francois
Francois Oil Co Inc.
128 W. Main Street
Bellville, WI 53508

Responsible Party Signature: _____ Date: 10 / 13 / 05

D. Consulting Firm, Consultant Name, Address, City, State, Zip Code, and Phone Number

Viren Verma
Axis Consulting, LLC
P.O. Box 709, Brookfield, WI 53005; Phone (262) 790-2696

I certify by my signature that I am the environmental consultant on this site, that I have reviewed all the environmental information relating to the remediation at this site, that the information contained in this form and following correspondence is true and accurate, and that it is my professional opinion that this site meets all regulatory requirements for closure. (Must be signed by a professional listed below that is currently licensed by the Department of Regulation and Licensing)

Consultant Signature: _____ Date: 10/11/0/05

Date Copy Of Completed Form Sent To RP ___/___/___

(Check the one that applies):

☐	Professional Engineer	_____	License #
☒	Professional Geologist	816	License #
☐	Hydrologist	_____	License #
☐	Soil Scientist	_____	License #

Seal

E. Other Interested Parties Name, Address, City, State, Zip Code, And Phone Number(s) (Attach Additional Sheets If Necessary)

G. Receptors

List **All** Potential receptors:

Human (Potential pathways, soil: ingestion/direct contact, inhalation;
groundwater: ingestion, inhalation)

H. Soil Information

Soil type(s): Silty clay Maximum depth of contamination: 25 feet below grade
Type of bedrock: Not Known Depth to bedrock: Not Known
Are any NR 720 generic and/or SSRCL exceedance(s) present? ☐ Yes ☒ No
If yes, attach complete separate soil GIS package
Comm 46 Table 1 exceedance(s) present? ☐ Yes ☒ No
Comm 46 Table 2 exceedance(s) present? ☐ Yes ☒ No
Was soil excavated? ☐ Yes ☒ No Quantity (tons):_____ Disposal method:_____
Disposal documentation included: ☐ Yes ☒ No If No, explain: Not applicable
Does pathway to closure include soil performance standard (SPS)? ☐ Yes ☒ No
Type: ☐ Cap ☐ Soil ☐ Building ☐ Other (specify)_____

I. Groundwater Information (If applicable – if not applicable, provide estimated depth To GW)

Brief description of remedial action taken: Air Injection, Soil Vapor Extraction, Groundwater Pump and Treat
Depth(s) to groundwater/flow direction(s): 25 ft below grade/southwest # of sample rounds: 18
# of NR 141 monitoring wells sampled: 9
# of temporary groundwater sampling points sampled: _____ # Of recovery sumps sampled: 1
Potable wells within 1200 feet of site? ☐ Yes ☒ No Have they been sampled? ☐ Yes ☒ No
# of municipal wells sampled: _____
NR 140 preventive action limit currently exceeded? ☒ Yes ☐ No
NR 140 enforcement standard currently exceeded? ☒ Yes ☐ No
If yes, attach complete separate GW GIS package.
Maximum concentration of MTBE detected: 1,140 ppb
Measurable free product detected? ☐ Yes ☒ No Last date detected: _____

J. Proposed Institutional Controls (Check all that apply)

☐ Unrestricted
☐ Deed restriction
Type of restriction(s) proposed: _____
☒ DNR GIS Registry of Closed Sites with residual GW contamination > NR 140 ESs
If checked, has the GW GIS fee been paid to DNR ☒ Yes ☐ No
Is off-site/-source property groundwater contamination present? ☐ Yes ☒ No If yes, provide street addresses below for each property (attach additional pages if necessary) and identify on figures.
☐ DNR GIS Registry of Closed Sites with residual Soil contamination > NR 720 RCLs
If checked, has the Soil GIS fee been paid to DNR ☐ Yes ☐ No
Is off-site/-source property soil contamination present? ☐ Yes ☐ No If yes, provide street addresses below for each property (attach additional pages if necessary) and identify on figures.

Property #1
☐ Soil ☐ Ground Water
Street Address: _____
City, State Zip Code: _____

Property #2
☐ Soil ☐ Ground Water
Street Address: _____
City, State Zip Code: _____

ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
P.O. Box 8044
Madison, Wisconsin 53708-8044
TDD #: (608) 264-8777
Fax #: (608) 267-1381
Jim Doyle, Governor
Mary P. Burke, Secretary

commerce.wi.gov
Wisconsin
Department of Commerce

October 24, 2005

Mr. Ed Francois
Francois Oil Co, Inc.
128 W Main Street
Bellville, WI 53508

RE: **Final Closure**

Commerce # 53593-1223-02-A WDNR BRRTS # 03-13-001148
Verona Quik Mart, 202 E Verona Ave, Verona

Dear Mr. Francois:

The Wisconsin Department of Commerce (Commerce) has received all items required as conditions for closure of the site referenced above. This case is now listed as "closed" on the Commerce database and will be included on the Wisconsin Department of Natural Resources (WDNR) Geographic Information System (GIS) Registry of Closed Remediation Sites to address residual contamination. It is in your best interest to keep all documentation related to the environmental activities that were conducted.

If residual contamination is encountered in the future, it must be managed in accordance with all applicable state and federal regulations. If it is determined that any remaining contamination poses a threat, the case may be reopened and further investigation or remediation may be required.

Thank you for your efforts to bring this case to closure. If you have any questions, please contact me in writing at the letterhead address or by telephone at (608) 261-8509.

Sincerely,

Andrew Alles,
Senior Hydrogeologist
Site Review Section

cc: Virendra Verma, P.G., Axis Consulting, LLC
Case File

ENVIRONMENTAL & REGULATORY SERVICES DIVISION
BUREAU OF PECFA
P.O. Box 8044
Madison, Wisconsin 53708-8044
TDD #: (608) 264-8777
Fax #: (608) 267-1381
Jim Doyle, Governor
Mary P. Burke, Secretary

commerce.wi.gov
Wisconsin
Department of Commerce

August 15, 2005

Mr. Ed Francois,
General Manager
Francois Oil Co Inc
128 W Main St
Belleville, WI 53508

RE: **Additional Information for Closure Review**

Commerce # 53593-1223-02 WDNR BRRTS # 03-13-001148
Verona Quik Mart, 202 E Verona Ave, Verona

Dear Mr. Francois:

On January 20, 2003, the Wisconsin Department of Commerce (Commerce) received a request for case closure including a Cost Cap to Approval, dated January 20, 2003, prepared by your consultant, Virendra Verma of Axis Consulting, LLC, for the site referenced above. On January 21, 2003, Commerce approved the Cost Cap to Closure submitted by your consultant, Virendra Verma of Axis Consulting, LLC of the sum $2,800.00 to include the additional remedial costs through closure which include proper monitoring well abandonment and closure per NR141 regulations. The Department of Commerce has determined that the following information must be provided before final closure is approved:

- Monitoring well abandonment forms
- The GIS Package to include WTM coordinates for the above referenced site.

In accordance with Comm 47, interest costs incurred because of the responsible party's failure to respond to Commerce's request for additional information, are not eligible for reimbursement by the PECFA program. If the required information is not received within 30 days of the date of this letter, PECFA loan interest incurred during the period starting from September 15, 2005 until the requested information is provided to Commerce will not be eligible for PECFA reimbursement. Be aware that Commerce can pursue enforcement actions if you do not respond to this request for information.

The closure review will be completed upon receipt of the requested information. If you have any questions, please contact me in writing at the letterhead address or by telephone at (608) 261-8509.

Sincerely,

Andrew Alles,
Senior Hydrogeologist
Site Review Section

cc: Virendra Verma, Axis Consulting, LLC
Bank of Verona, Commercial Loan Officer, 108 N Main St, Verona WI 53593
Case File

AGREEMENT FOR SALE OF REAL ESTATE

THIS AGREEMENT, made this 3rd day of May, A. D. 1976, between **Smith Oil Corporation, 1100 Kilburn Ave., Rockford, Illinois 61101**

party of the first part, hereinafter called Seller, and Richard, Raymond, and David Francois D/B/A Francois Oil Co. 128 W. Main St. Belleville, WI 53508
party of the second part, hereinafter called Buyer,

WITNESSETH:

1. Seller agrees to sell and Buyer agrees to buy all that certain lot or piece of ground, together with improvements, buildings and underground tanks thereon erected, situate~~xxx~~ **at 202 E. Verona Street, Village of Verona**

County of **Dane** and State of **Wisconsin**, bounded and described as follows:

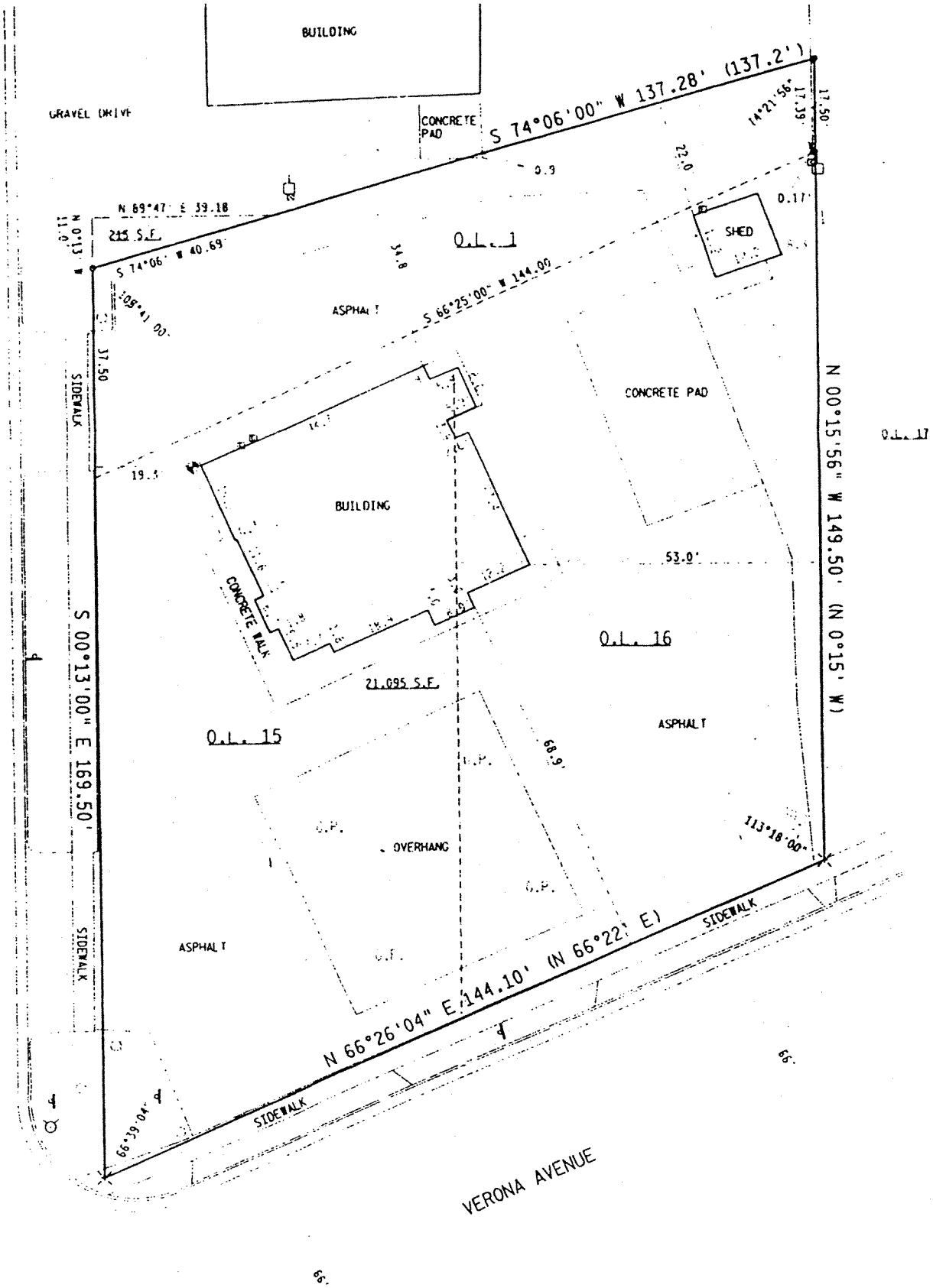
Part of Outlot One (1), Assessor's Plat of the Village of Verona, in the Village of Verona, described as follows: Commencing at the Northwest corner of Outlot 15, of above plat; thence North 37.5 feet; thence Easterly 132 feet to a point 17.5 feet North of the Northeast corner of Outlot 16, of above plat; thence South to said Northeast corner; thence South 66° 22' West 144.1 feet to the point of beginning.

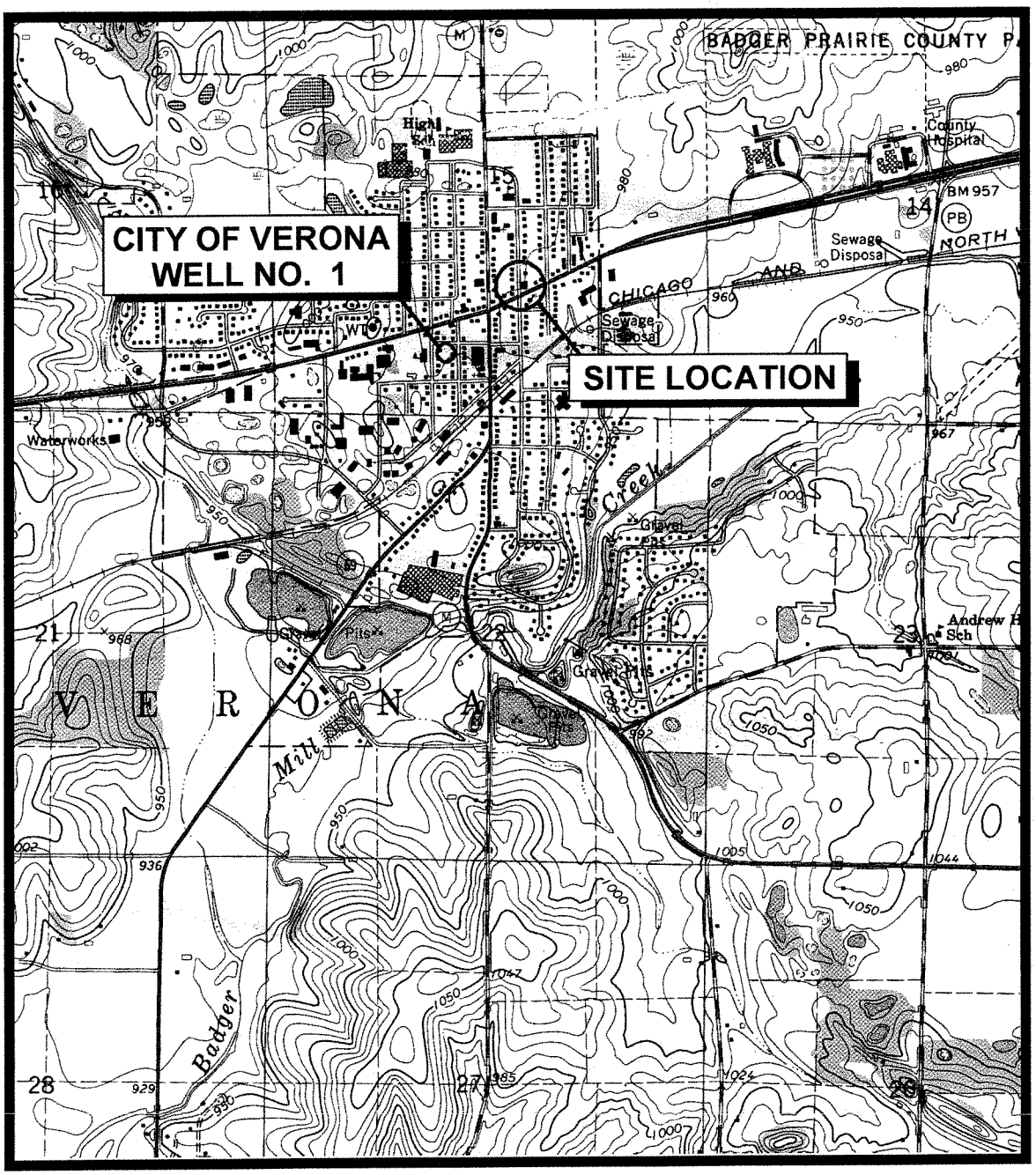
Outlots Fifteen (15) and Sixteen (16), Assessor's Plat of the Village of Verona, in the Village of Verona,

Together with a perpetual easement for ingress and egress over and across the following described real estate, to wit:

Part of Outlot 1 of the Assessor's Plat of the Village of Verona, Dane County, Wisconsin, which is more fully described as follows: Commencing at the Southwest corner of Outlot 15 of said Assessor's Plat, said point also being the point of intersection of the Northwest line of Verona Avenue and the East line of Franklin Street; thence North 0° -13' West, along said East line of Franklin Street, 169.5 feet, to the point of beginning of this description; thence continue North 0° -13' West, along said East line of street, 11.0 feet; thence North 89° -47' East, 39.18 feet; thence South 74° -06' West, 40.69 feet to the point of beginning.

Subject to easements, restrictions and conditions of record and easements or restrictions visible upon the ground.


BUILDING
GRAVEL DRIVE
CONCRETE PAD
S 74°06'00" W 137.28' (137.2')
N 69°47' E 39.18
215 S.F.
S 74°06' W 40.69'
O.L. 1
SHED
ASPHALT
S 66°25'00" W 144.00'
SIDEWALK
CONCRETE PAD
N 00°15'56" W 149.50' (N 0°15' W)
O.L. 17
BUILDING
CONCRETE WALK
53.0'
O.L. 16
21,095 S.F.
O.L. 15
ASPHALT
OVERHANG
S 00°13'00" E 169.50'
ASPHALT
SIDEWALK
N 66°26'04" E 144.10' (N 66°22' E)
SIDEWALK
VERONA AVENUE



SCALE: 1 INCH = 2000 FEET
CONTOUR INTERVAL = 10 FEET

7.5 MIN TOPOGRAPHIC MAP
VERONA, WISCONSIN
1962
PHOTOREVISED 1982

LOCATION MAP

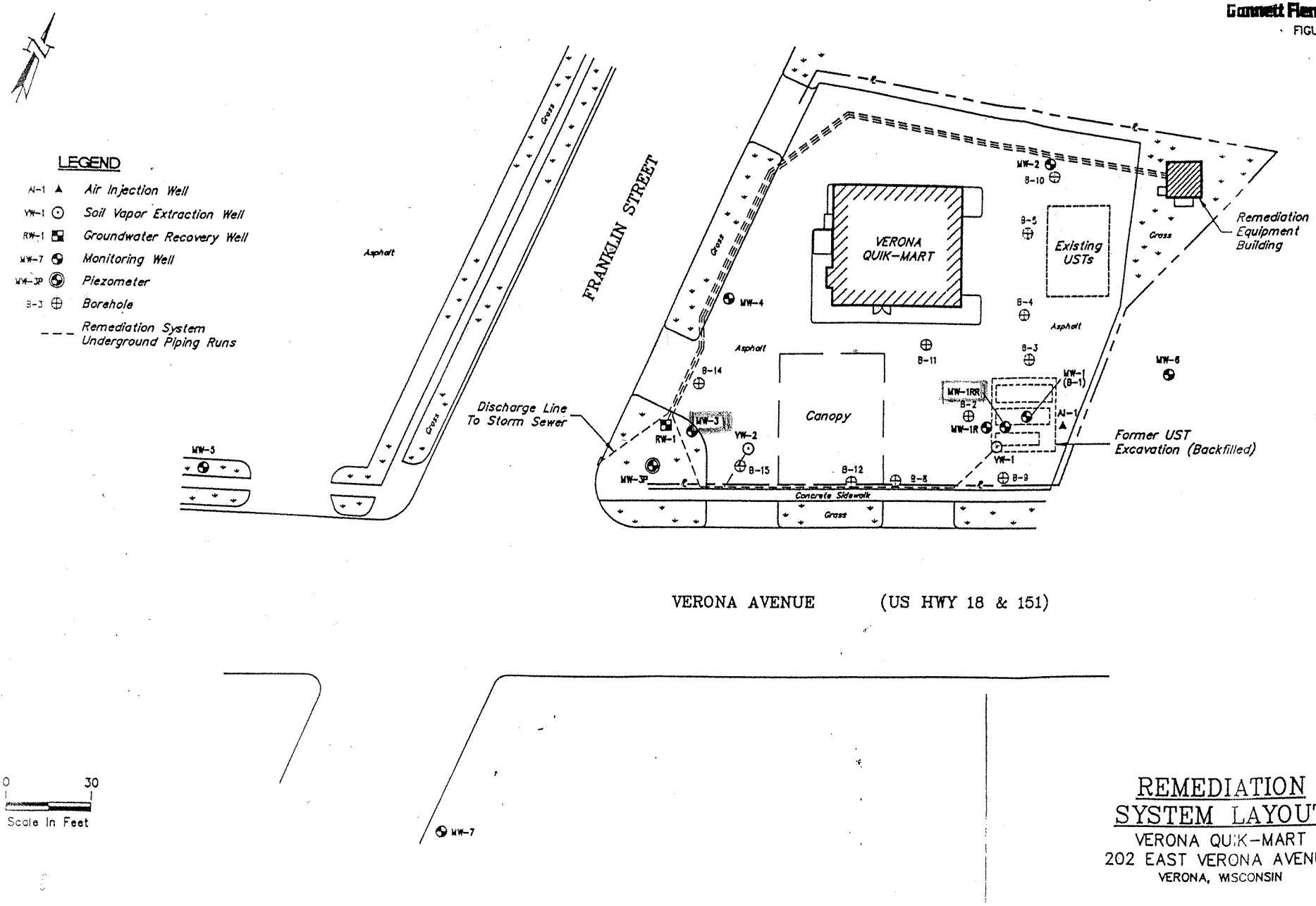
VERONA QUIK-MART
202 EAST VERONA AVENUE
VERONA, WISCONSIN

022800
34460MAP

Verona Quick Mart
202 E. Verona Avenue
Verona, WI

Gannett Fleming

FIGURE 1



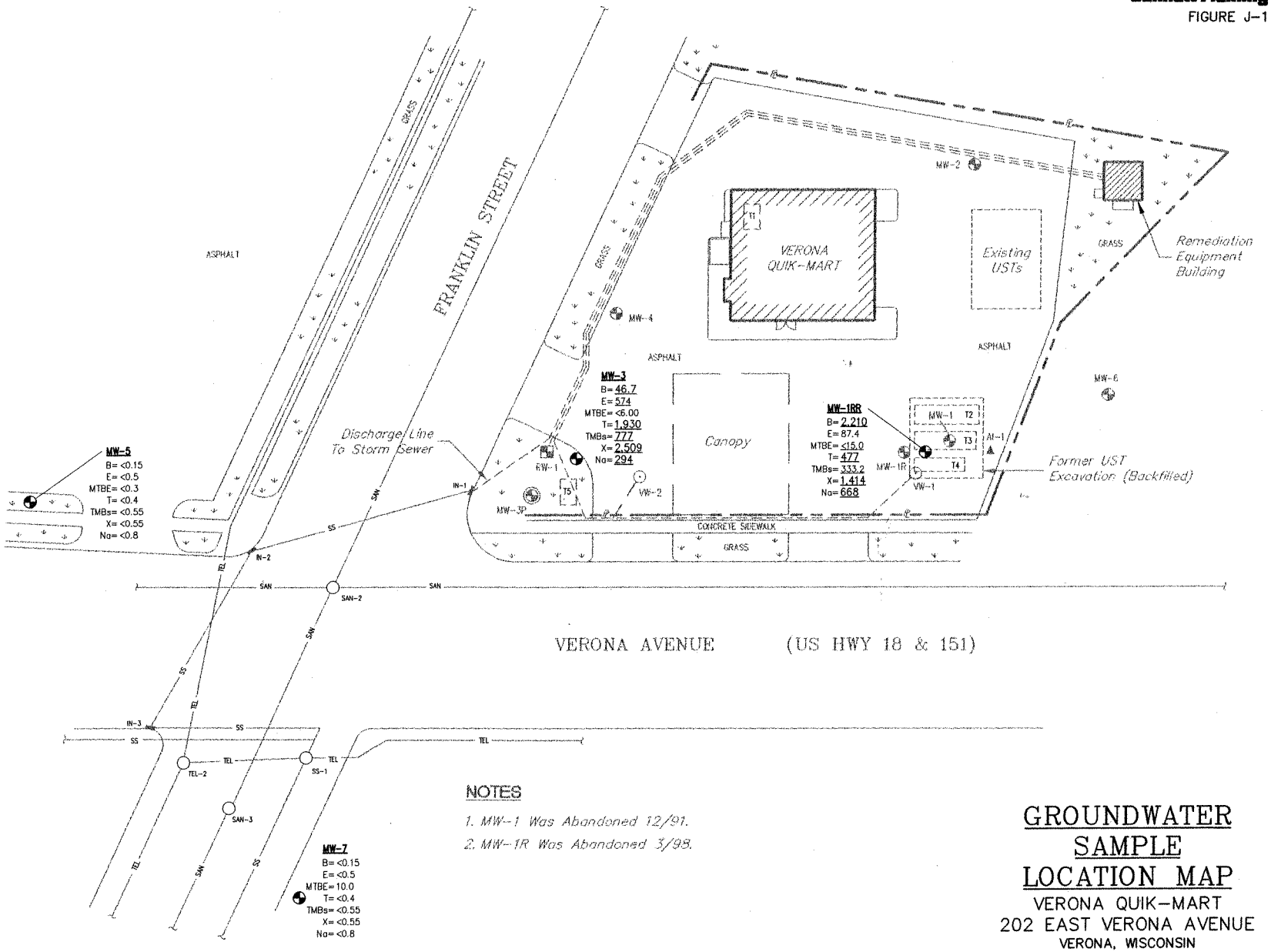
REMEDIATION SYSTEM LAYOUT

VERONA QUIK-MART
202 EAST VERONA AVENUE
VERONA, WISCONSIN

090498
34460MB

Gannett Fleming

FIGURE J-1



LEGEND

- MW-7 — Monitoring Well
- MW-3P — Piezometer
- RW-1 — Groundwater Recovery Well
- AI-1 — Air Injection Well
- VW-1 — Soil Vapor Extraction Well
- Remediation System Underground Piping Runs
- SAN-2 — Utility Manhole
- IN-1 — Inlet For Storm Sewer
- SAN — Sanitary Sewer Trench
- SS — Storm Sewer Trench
- TEL — Telephone Trench
- T1 — Former Underground Storage Tank
  - T1 500-GALLON WASTE OIL
  - T2 8,000-GALLON UNLEADED GASOLINE
  - T3 8,000-GALLON UNLEADED GASOLINE
  - T4 4,000-GALLON LEADED GASOLINE
  - T5 TANK OF UNKNOWN SIZE REMOVED IN THE EARLY 1960s

MW-5=Well Identification

B= Benzene
E= Ethylbenzene
MTBE= Methyl Tert Butyl Ether
T= Toluene
TMBs= Trimethylbenzenes
X= Xylenes
Na= Naphthalene

NOTES:

1. Concentrations In µg/l (ppb).
2. Concentrations Exceeding NR 140 ESs Are Shown In RED.
3. Concentrations Exceeding NR 140 PAL Are Shown UNDERLINED.
4. Sample Collection Date: 11/11/99.

0 30

Scale In Feet

NOTES

1. MW-1 Was Abandoned 12/91.
2. MW-1R Was Abandoned 3/98.

GROUNDWATER SAMPLE LOCATION MAP

VERONA QUIK-MART
202 EAST VERONA AVENUE
VERONA, WISCONSIN

030200
34460WG

TABLE 1

Summary of Groundwater Sample Analytical Results
Verona Quick Mart
202 E. Verona Ave.
Verona, Wisconsin 53593
Axis Project No. 01-04-03

Well No.	Date	GRO	B	T	E	X	TMBs	MTBE	Naphth
MW-1RR	07/07/01	4,810	**1,140**	82.2	95.3	579	2,74.2	**32.4**	**476**
MW-1RR	11/06/01	141	**13**	ND	4.73	1.25	2.57	**15.8**	5.7
MW-1RR	04/14/02	ND	ND	ND	ND	ND	ND	**3.18**	ND
MW-1RR	07/19/02	ND	ND	ND	ND	0.628	ND	0.741	
MW-3	07/07/01	34,400	**96.6**	**16,300**	**2,020**	**10,700**	11,297	**151**	**671**
MW-3	11/06/01	21,000	**30**	**5,030**	**1,190**	5,420	1,523	ND	**489**
MW-3	04/14/02	20,900	**38.6**	**5,320**	**1,210**	5,870	1,453	**77.4**	**437**
MW-3	07/19/02	34,200	**47.8**	**11,600**	**2060**	**10,900**	2373	ND	
Trip Blank	07/19/02	ND	ND	ND	ND	ND	ND	ND	ND
NR140 PAL			0.5	200	140	1,000	NE	12	8
NR140 ES			5	1,000	700	10,000	NE	60	40
COMM 46 Table 1			1,500	20,000	7,100	7,800	NE	NE	NE

Notes:

Bold Values indicate concentrations which exceed NR 140 ES
Concentrations in micrograms per liter (µg/L) unless otherwise noted
ES=NR 140 Enforcement Standard
PAL=NR 140 Preventive Action Limits
ND=not detected
NE=standard not established
PAL=Preventative Action Limit
ES=Enforcement Standard
GRO=gasoline range organics
B=benzene

T=toluene
E=ethylbenzene
X=total xylenes
TMBs=trimethylbenzenes
MTBE=methyl tert butyl ether
Naphth=Naphthalene
COMM 46 Table 1= Contaminant concentration in groundwater within low permeability materials

TABLE 2

Groundwater Depth Data
Verona Quick Mart
202 E. Verona Ave.
Verona, Wisconsin 53593
Axis Project No. 01-04-03

Date	Groundwater Monitoring Well No.	Measured Depth to Water (feet)
07/07/01	MW-1RR	20.40
11/06/01	MW-1RR	20.32
04/14/02	MW-1RR	19.72
07/19/02	MW-1RR	20.11
07/07/01	MW-3	24.44
11/06/01	MW-3	24.40
04/14/02	MW-3	24.78
07/19/02	MW-3	24.82

Gannett Fleming

VERONA QUIK-MART
VERONA, WISCONSIN

TABLE K-1

DEPTH TO WATER AND GROUNDWATER ELEVATION DATA

TOC Elev. (ft MSL)	MW-1	MW-1R	MW-1RR	MW-2	MW-3	MW-3P	MW-4	MW-5	MW-6	MW-7	AI-1	Vertical Gradient (ft/ft)
Prior to 12/91	969.38	NI	NI	970.07	971.97	NI	NI	NI	NI	NI	NI	
After 12/91	969.38	968.64	968.40	969.64	971.98	971.98	969.42	970.05	966.73	965.94	968.09	
Sample Date	**Measured Depth to Water (feet)**											
08/23/91	24.50	NI	NI	25.17	27.80	NI	NI	NI	NI	NI	NI	
07/16/92	AB	24.17	NI	25.16	FP	NI	25.08	25.87	NI	NI	NI	
11/02/92	AB	24.22	NI	24.84	FP	NI	24.74	25.54	NI	NI	NI	
02/10/93	AB	22.41	NI	23.40	FP	25.75	23.36	24.19	NI	NI	NI	
11/02/93	AB	18.36	NI	19.36	FP	20.89	18.32	19.24	NI	NI	NI	
06/07/94	AB	21.50	NI	21.55	FP	23.80	21.50	22.87	NI	NI	NI	
08/16/94	AB	21.32	NI	21.80	24.49	24.27	21.79	22.65	NI	NI	NI	
11/14/94	AB	23.10	NI	22.88	25.94	25.24	22.80	23.65	NI	NI	NI	
02/23/95	AB	22.25	NI	23.68	26.67	26.08	23.64	24.50	20.90	20.48	NI	
05/25/95	AB	21.14	NI	22.23	25.29	24.66	22.19	23.03	19.44	19.08	NI	
08/02/95	AB	21.44	NI	22.51	25.56	24.93	22.50	23.31	19.73	19.32	NI	
01/30/96	AB	22.50	NI	23.63	26.21	25.99	23.58	NM	20.82	NM	NI	
05/14/96	AB	21.84	NI	23.52	26.43	25.88	23.44	24.30	20.70	20.27	NI	
08/29/96	AB	20.50	NI	21.57	24.33	23.99	21.53	22.37	18.76	18.38	NI	
12/05/96	AB	21.05	NI	22.61	25.17	24.94	22.52	23.35	19.79	19.34	NI	
01/15/97	AB	21.68	NI	NM	26.23	25.45	23.22	23.84	20.21	19.81	NI	
08/18/97	AB	AB	NI	22.69	25.27	25.06	22.64	23.48	19.86	19.46	NI	
04/02/98	AB	AB	22.00	23.10	25.66	25.44	23.05	23.86	20.24	19.83	21.58	
08/05/98	AB	AB	19.38	20.41	23.34	22.85	20.40	NM	NM	NM	18.97	
09/17/98	AB	AB	19.63	20.71	23.65	23.10	20.64	NM	NM	NM	19.24	
11/05/98	AB	AB	19.54	21.00	23.98	23.40	20.90	NM	NM	NM	NM	
11/24/98	AB	AB	20.01	21.04	24.06	23.46	21.02	21.80	18.24	17.89	19.60	
01/12/99	AB	AB	20.52	21.67	24.35	NM	21.62	NM	NM	NM	NM	
04/26/99	AB	AB	19.21	20.51	23.21	NM	20.61	NM	NM	NM	NM	
05/25/99	AB	AB	18.66	19.74	22.46	22.24	19.73	20.60	16.94	16.64	NM	
11/11/99	AB	AB	21.08	22.16	24.82	24.60	22.12	22.95	19.35	18.98	NM	
	Groundwater Elevation (feet MSL)											
08/23/91	944.88	NI	NI	944.90	944.17	NI	NI	NI	NI	NI	NI	NM
07/16/92	AB	944.47	NI	944.48	FP	NI	944.34	944.18	NI	NI	NI	NM
11/02/92	AB	944.42	NI	944.80	FP	NI	944.68	944.51	NI	NI	NI	NM
02/10/93	AB	946.23	NI	946.24	FP	946.23	946.06	945.86	NI	NI	NI	NM
11/02/93	AB	950.28	NI	950.28	FP	951.09	951.10	950.81	NI	NI	NI	NM
06/07/94	AB	947.14	NI	948.09	FP	948.18	947.92	947.18	NI	NI	NI	NM
08/16/94	AB	947.32	NI	947.84	947.49	947.71	947.63	947.40	NI	NI	NI	NM
11/14/94	AB	945.54	NI	946.76	946.04	946.74	946.62	946.40	NI	NI	NI	0.036
02/23/95	AB	946.39	NI	945.96	945.31	945.90	945.78	945.55	945.83	945.46	NI	0.030
05/25/95	AB	947.50	NI	947.41	946.69	947.32	947.23	947.02	947.29	946.86	NI	0.032
08/02/95	AB	947.20	NI	947.13	946.42	947.05	946.92	946.74	947.00	946.62	NI	0.032
01/30/96	AB	946.14	NI	946.01	945.77	945.99	945.84	NM	945.91	NM	NI	0.011
05/14/96	AB	946.80	NI	946.12	945.55	946.10	945.98	945.75	946.03	945.67	NI	0.028
08/29/96	AB	948.14	NI	948.07	947.65	947.99	947.89	947.68	947.97	947.56	NI	0.017
12/05/96	AB	947.59	NI	947.03	946.81	947.04	946.90	946.70	946.94	946.60	NI	0.012
01/15/97	AB	946.96	NI	NM	945.75	946.53	946.20	946.21	946.52	946.13	NI	0.040
08/18/97	AB	AB	NI	946.95	946.71	946.92	946.78	946.57	946.87	946.48	NI	0.011
04/02/98	AB	AB	946.40	946.54	946.32	946.54	946.37	946.19	946.49	946.11	946.51	0.011
08/05/98	AB	AB	949.02	949.23	948.64	949.13	949.02	NM	NM	NM	949.12	0.025
09/17/98	AB	AB	948.77	948.93	948.33	948.88	948.78	NM	NM	NM	948.85	0.028
11/05/98	AB	AB	948.86	948.64	948.00	948.58	948.52	NM	NM	NM	NM	0.030
11/24/98	AB	AB	948.39	948.60	947.92	948.52	948.40	948.25	948.49	948.05	948.49	0.031
01/12/99	AB	AB	947.88	947.97	947.63	NM	947.80	NM	NM	NM	NM	NM
04/26/99	AB	AB	949.19	949.13	948.77	NM	948.81	NM	NM	NM	NM	NM
05/25/99	AB	AB	949.74	949.90	949.52	949.74	949.69	949.45	949.79	949.30	NM	0.011
11/11/99	AB	AB	947.32	947.48	947.16	947.38	947.30	947.10	947.38	946.96	NM	0.011

NOTES:

Vertical gradient data are for monitoring well MW-3 and piezometer MW-3P.

Site datum = Mean sea level (MSL).

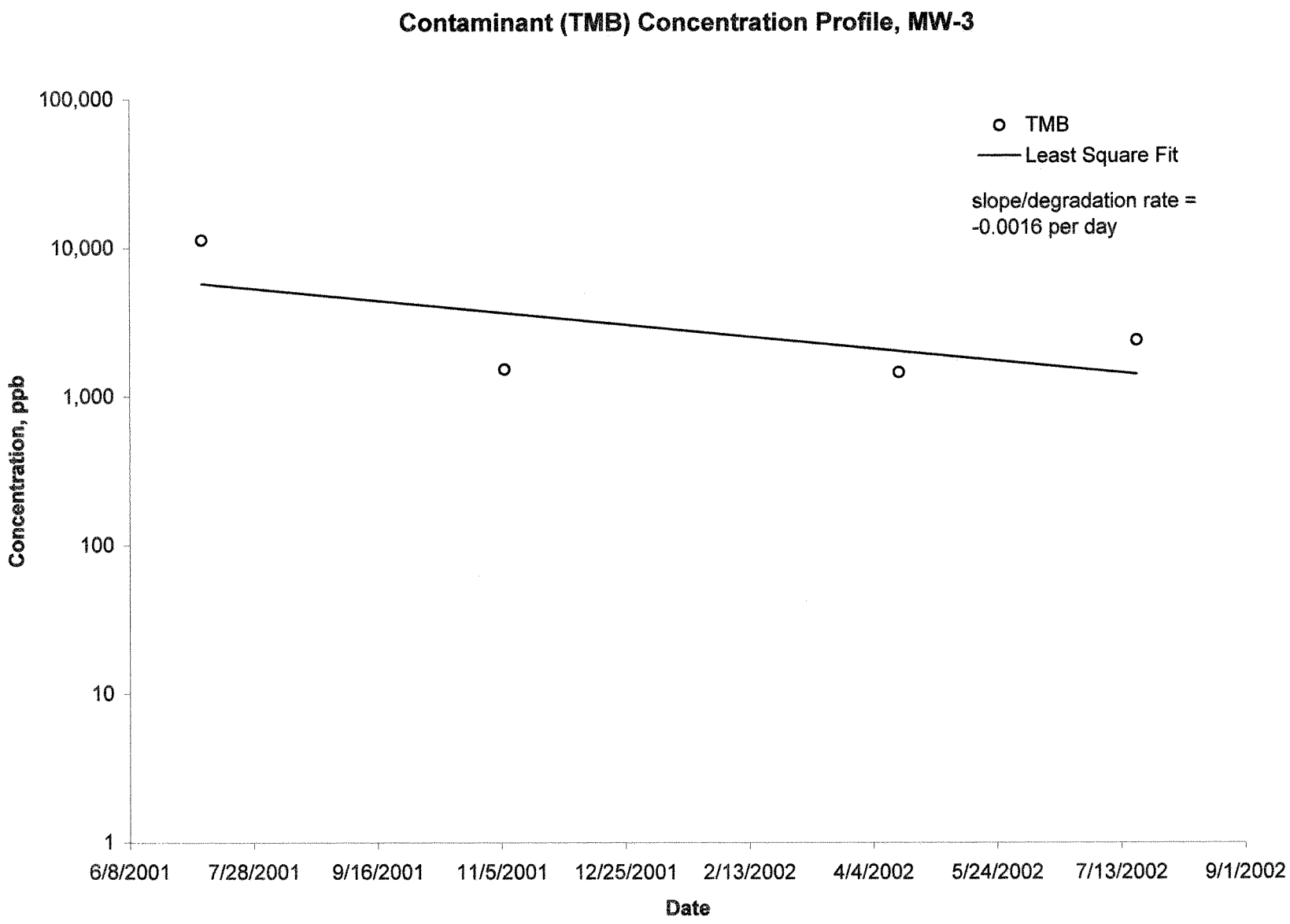
TOC Elev. = Top of casing elevation (feet MSL)

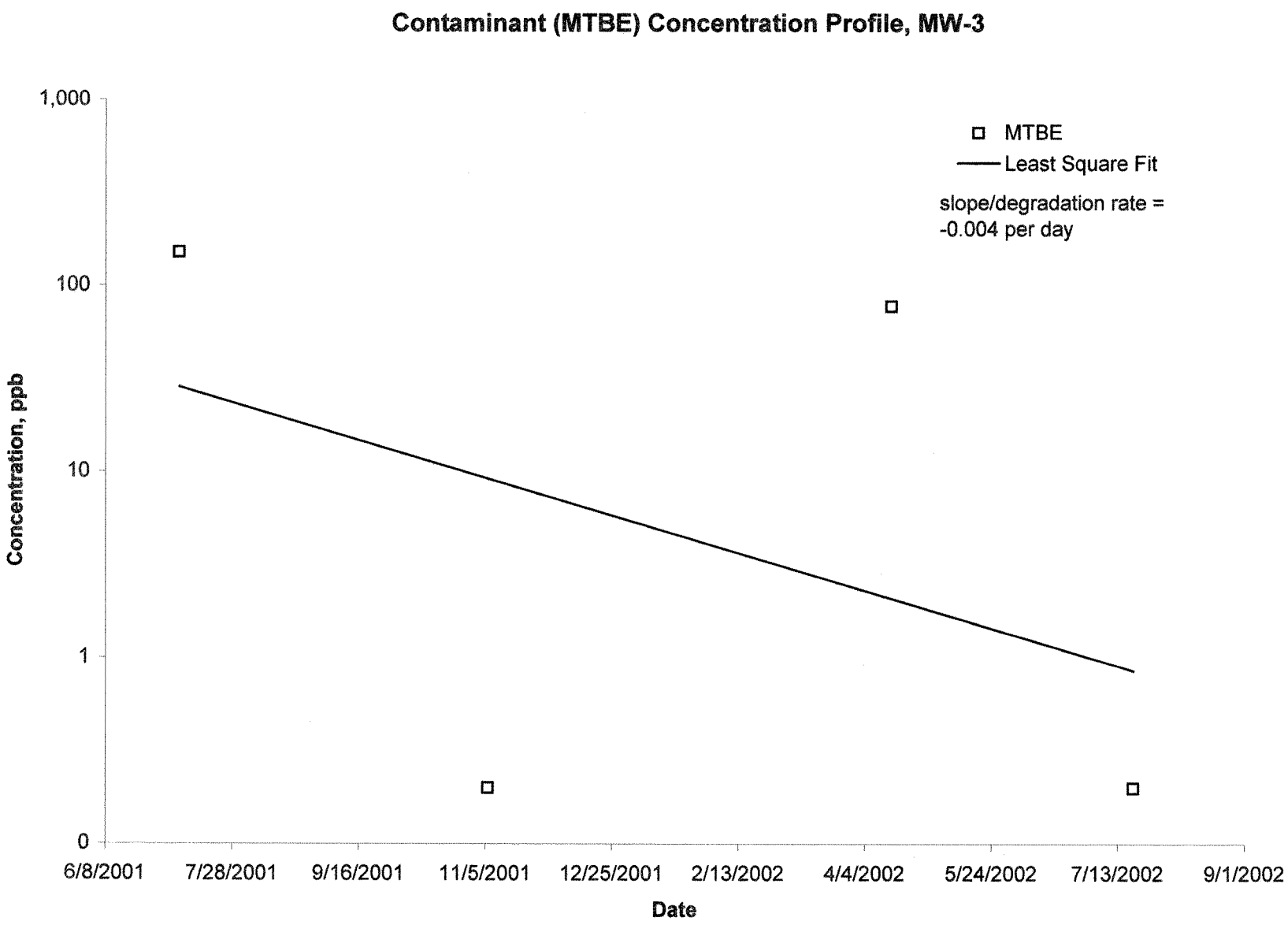
NI = Not installed.

AB = Abandoned.

FP = Free product.

NM = Not measured.


Contaminant (TMB) Concentration Profile, MW-3
TMB
Least Square Fit
slope/degradation rate =
-0.0016 per day
Concentration, ppb
100,000
10,000
1,000
100
10
1
6/8/2001
7/28/2001
9/16/2001
11/5/2001
12/25/2001
2/13/2002
4/4/2002
5/24/2002
7/13/2002
9/1/2002
Date


Contaminant (MTBE) Concentration Profile, MW-3
1,000
100
10
1
0
Concentration, ppb
MTBE
Least Square Fit
slope/degradation rate =
-0.004 per day
6/8/2001
7/28/2001
9/16/2001
11/5/2001
12/25/2001
2/13/2002
4/4/2002
5/24/2002
7/13/2002
9/1/2002
Date

State of Wisconsin
Department of Natural Resources
Remediation and Redevelopment Program

Mann-Kendall Statistical Test
Form 4400-215 (2/2001)

Notice: This form is the DNR supplied spreadsheet referenced in Appendices A of Comm 46 and NR 746, Wis. Adm. Code. It is provided to consultants as an optional tool for groundwater contaminant trend analysis to support site closure requests under s. Comm 46.07, Comm 46.08, NR 746.07, NR 746.08, Wis. Adm. Code. Use this form or a manual method when seeking case closure under those rules. Earlier versions of this form should not be used.

Instructions: Do not change formulas or other information in cells with a blue background, only cells with a yellow background are used for data entry. To use the spreadsheet, provide at least four rounds and not more than ten rounds of data that is not seasonally affected. Use consistent units. The spreadsheet contains several error checks, and a data entry error may cause "DATA ERR" or "DATE ERR" to be displayed. Dates that are not consecutive will show an error message and will not display the test results. The spreadsheet tests the data for both increasing and decreasing trends at both 80 percent and 90 percent confidence levels. If a declining trend is present at 80 percent but not at 90 percent, a site is still eligible for closure under Comm 46 and NR 746 provided that other conditions in those rules are met. If an increasing or decreasing trend is not present, an additional coefficient of variation test is used to test for stability, as proposed by Wiedemeier et al, 1999. For additional information, refer to the Interim Guidance on Natural Attenuation for Petroleum Releases, dated October 1999. Refer to the guidance for recommendations on data entry for non-detect values.

Site Name : Verona Quick Mart, 202 E. Verona Avenue, Verona, WI | BRRTS No. = 03-13-001148 | Well Number = MW-1RR

Event Number	Sampling Date (most recent last)	Benzene Concentration (leave blank if no data)	Toluene Concentration (leave blank if no data)	Ethylbenzene Concentration (leave blank if no data)	Total Xylenes Concentration (leave blank if no data)	Total TMB Concentration (leave blank if no data)	MTBE Concentration (leave blank if no data)
	Compound ->						
1	7-Jul-01	1,140.00	82.20	95.30	579.00	274.20	32.40
2	6-Nov-01	13.00	0.50	4.73	1.25	2.57	15.80
3	14-Apr-02	0.50	0.50	0.50	0.50	2.00	3.18
4	19-Jul-02	0.50	0.50	0.50	0.63	2.00	0.71
5							
6							
7							
8							
9							
10							
	Mann Kendall Statistic (S) =	-5.0	-3.0	-5.0	-4.0	-5.0	-6.0
	Number of Rounds (n) =	4	4	4	4	4	4
	Average =	288.50	20.93	25.26	145.34	70.19	13.02
	Standard Deviation =	567.697	40.850	46.738	289.104	136.005	14.509
	Coefficient of Variation(CV)=	1.968	1.952	1.850	1.989	1.938	1.114
Error Check, Blank if No Errors Detected							
Trend ≥ 80% Confidence Level		DECREASING	No Trend	DECREASING	DECREASING	DECREASING	DECREASING
Trend ≥ 90% Confidence Level		No Trend	No Trend	No Trend	No Trend	No Trend	DECREASING
Stability Test, If No Trend Exists at 80% Confidence Level		NA	CV > 1 NON-STABLE	NA	NA	NA	NA

Data Entry By = DS | Date = 10-Oct-05 | Checked By = VV

State of Wisconsin
Department of Natural Resources
Remediation and Redevelopment Program

Mann-Kendall Statistical Test
Form 4400-215 (2/2001)

Notice: This form is the DNR supplied spreadsheet referenced in Appendices A of Comm 46 and NR 746, Wis. Adm. Code. It is provided to consultants as an optional tool for groundwater contaminant trend analysis to support site closure requests under s. Comm 46.07, Comm 46.08, NR 746.07, NR 746.08, Wis. Adm. Code. Use this form or a manual method when seeking case closure under those rules. Earlier versions of this form should not be used.

Instructions: Do not change formulas or other information in cells with a blue background, only cells with a yellow background are used for data entry. To use the spreadsheet, provide at least four rounds and not more than ten rounds of data that is not seasonally affected. Use consistent units. The spreadsheet contains several error checks, and a data entry error may cause "DATA ERR" or "DATE ERR" to be displayed. Dates that are not consecutive will show an error message and will not display the test results. The spreadsheet tests the data for both increasing and decreasing trends at both 80 percent and 90 percent confidence levels. If a declining trend is present at 80 percent but not at 90 percent, a site is still eligible for closure under Comm 46 and NR 746 provided that other conditions in those rules are met. If an increasing or decreasing trend is not present, an additional coefficient of variation test is used to test for stability, as proposed by Wiedemeier et al, 1999. For additional information, refer to the Interim Guidance on Natural Attenuation for Petroleum Releases, dated October 1999. Refer to the guidance for recommendations on data entry for non-detect values.

Site Name : Verona Quick Mart, 202 E. Verona Avenue, Verona, WI | BRRTS No. = 03-13-001148 | Well Number = MW-1RR

Event Number	Sampling Date (most recent last)	Naphthalene Concentration (leave blank if no data)	Toluene Concentration (leave blank if no data)	Ethylbenzene Concentration (leave blank if no data)	Total Xylenes Concentration (leave blank if no data)	Total TMB Concentration (leave blank if no data)	MTBE Concentration (leave blank if no data)
	Compound ->						
1	11-Nov-99	668.00					
2	7-Jul-01	476.00					
3	6-Nov-01	5.70					
4	14-Apr-02	2.00					
5							
6							
7							
8							
9							
10							
	Mann Kendall Statistic (S) =	-6.0	0.0	0.0	0.0	0.0	0.0
	Number of Rounds (n) =	4	0	0	0	0	0
	Average =	287.93	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Standard Deviation =	337.260	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Coefficient of Variation(CV)=	1.171	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Error Check, Blank if No Errors Detected			n<4	n<4	n<4	n<4	n<4
Trend ≥ 80% Confidence Level		**DECREASING**	n<4	n<4	n<4	n<4	n<4
Trend ≥ 90% Confidence Level		**DECREASING**	n<4	n<4	n<4	n<4	n<4
Stability Test, If No Trend Exists at 80% Confidence Level		NA	n<4 n<4	n<4 n<4	n<4 n<4	n<4 n<4	n<4 n<4

Data Entry By = DS | Date = 10-Oct-05 | Checked By = VV

State of Wisconsin
Department of Natural Resources
Remediation and Redevelopment Program

Mann-Kendall Statistical Test
Form 4400-215 (2/2001)

Notice: This form is the DNR supplied spreadsheet referenced in Appendices A of Comm 46 and NR 746, Wis. Adm. Code. It is provided to consultants as an optional tool for groundwater contaminant trend analysis to support site closure requests under s. Comm 46.07, Comm 46.08, NR 746.07, NR 746.08, Wis. Adm. Code. Use this form or a manual method when seeking case closure under those rules. Earlier versions of this form should not be used.

Instructions: Do not change formulas or other information in cells with a blue background, only cells with a yellow background are used for data entry. To use the spreadsheet, provide at least four rounds and not more than ten rounds of data that is not seasonally affected. Use consistent units. The spreadsheet contains several error checks, and a data entry error may cause "DATA ERR" or "DATE ERR" to be displayed. Dates that are not consecutive will show an error message and will not display the test results. The spreadsheet tests the data for both increasing and decreasing trends at both 80 percent and 90 percent confidence levels. If a declining trend is present at 80 percent but not at 90 percent, a site is still eligible for closure under Comm 46 and NR 746 provided that other conditions in those rules are met. If an increasing or decreasing trend is not present, an additional coefficient of variation test is used to test for stability, as proposed by Wiedemeier et al, 1999. For additional information, refer to the Interim Guidance on Natural Attenuation for Petroleum Releases, dated October 1999. Refer to the guidance for recommendations on data entry for non-detect values.

Site Name : Verona Quick Mart, 202 E. Verona Avenue, Verona, WI | BRRTS No. = 03-13-001148 | Well Number = MW-3

Event Number	Sampling Date (most recent last)	Benzene Concentration (leave blank if no data)	Toluene Concentration (leave blank if no data)	Ethylbenzene Concentration (leave blank if no data)	Total Xylenes Concentration (leave blank if no data)	Total TMB Concentration (leave blank if no data)	MTBE Concentration (leave blank if no data)
	Compound ->						
1	7-Jul-01	96.60	16,300.00	2,020.00	10,700.00	11,297.00	151.00
2	6-Nov-01	30.00	5,030.00	1,190.00	5,420.00	1,523.00	0.20
3	14-Apr-02	38.60	5,320.00	1,210.00	5,870.00	1,453.00	77.40
4	19-Jul-02	47.80	11,600.00	2,060.00	10,900.00	2,373.00	0.20
5							
6							
7							
8							
9							
10							
	Mann Kendall Statistic (S) =	0.0	0.0	2.0	2.0	-2.0	-3.0
	Number of Rounds (n) =	4	4	4	4	4	4
	Average =	53.25	9562.50	1620.00	8222.50	4161.50	57.20
	Standard Deviation =	29.800	5418.723	485.318	2983.023	4775.345	72.352
	Coefficient of Variation(CV)=	0.560	0.567	0.300	0.363	1.148	1.265
Error Check, Blank if No Errors Detected							
Trend ≥ 80% Confidence Level		No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Trend ≥ 90% Confidence Level		No Trend	No Trend	No Trend	No Trend	No Trend	No Trend
Stability Test, If No Trend Exists at 80% Confidence Level		CV <= 1 STABLE	CV <= 1 STABLE	CV <= 1 STABLE	CV <= 1 STABLE	CV > 1 NON-STABLE	CV > 1 NON-STABLE

Data Entry By = DS | Date = 10-Oct-05 | Checked By = VV

State of Wisconsin
Department of Natural Resources
Remediation and Redevelopment Program

Mann-Kendall Statistical Test
Form 4400-215 (2/2001)

Notice: This form is the DNR supplied spreadsheet referenced in Appendices A of Comm 46 and NR 746, Wis. Adm. Code. It is provided to consultants as an optional tool for groundwater contaminant trend analysis to support site closure requests under s. Comm 46.07, Comm 46.08, NR 746.07, NR 746.08, Wis. Adm. Code. Use this form or a manual method when seeking case closure under those rules. Earlier versions of this form should not be used.

Instructions: Do not change formulas or other information in cells with a blue background, only cells with a yellow background are used for data entry. To use the spreadsheet, provide at least four rounds and not more than ten rounds of data that is not seasonally affected. Use consistent units. The spreadsheet contains several error checks, and a data entry error may cause "DATA ERR" or "DATE ERR" to be displayed. Dates that are not consecutive will show an error message and will not display the test results. The spreadsheet tests the data for both increasing and decreasing trends at both 80 percent and 90 percent confidence levels. If a declining trend is present at 80 percent but not at 90 percent, a site is still eligible for closure under Comm 46 and NR 746 provided that other conditions in those rules are met. If an increasing or decreasing trend is not present, an additional coefficient of variation test is used to test for stability, as proposed by Wiedemeier et al, 1999. For additional information, refer to the Interim Guidance on Natural Attenuation for Petroleum Releases, dated October 1999. Refer to the guidance for recommendations on data entry for non-detect values.

Site Name : Verona Quick Mart, 202 E. Verona Avenue, Verona, WI | BRRTS No. = 03-13-001148 | Well Number = MW-3

Event Number	Sampling Date (most recent last)	Naphthalene Concentration (leave blank if no data)	Toluene Concentration (leave blank if no data)	Ethylbenzene Concentration (leave blank if no data)	Total Xylenes Concentration (leave blank if no data)	Total TMB Concentration (leave blank if no data)	MTBE Concentration (leave blank if no data)
	Compound ->						
1	11-Nov-99	294.00					
2	7-Jul-01	671.00					
3	6-Nov-01	489.00					
4	14-Apr-02	437.00					
5							
6							
7							
8							
9							
10							
	Mann Kendall Statistic (S) =	0.0	0.0	0.0	0.0	0.0	0.0
	Number of Rounds (n) =	4	0	0	0	0	0
	Average =	472.75	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Standard Deviation =	155.774	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
	Coefficient of Variation(CV)=	0.330	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!	#DIV/0!
Error Check, Blank if No Errors Detected			n<4	n<4	n<4	n<4	n<4
Trend ≥ 80% Confidence Level		No Trend	n<4	n<4	n<4	n<4	n<4
Trend ≥ 90% Confidence Level		No Trend	n<4	n<4	n<4	n<4	n<4
Stability Test, If No Trend Exists at 80% Confidence Level		CV <= 1	n<4	n<4	n<4	n<4	n<4
		STABLE	n<4	n<4	n<4	n<4	n<4

Data Entry By = DS | Date = 10-Oct-05 | Checked By = VV

VERONA QUIK-MART

VERONA, WISCONSIN

TABLE 2.2

SOIL ANALYTICAL RESULTS

Sample ID	TPH (μg/g)		PVOC (μg/g)						
	as gasoline	as diesel	Benzene	Ethylbenzene	MTBE	Toluene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Xylenes
B-10-17.5	<6.0	<6.0	<0.009	<0.0044	<0.0088	<0.0022	<0.0044	0.0051	<0.0044
B-10-27.5	<6.0	<6.0	<0.009	<0.0044	<0.0088	<0.0022	<0.0044	0.0054	<0.0044
B-11-5	<6.0	16.5[1]	<0.009	<0.0044	<0.0088	<0.0022	<0.0044	<0.0044	<0.0044
B-11-25	<6.0	<6.0	<0.009	<0.0044	0.0065	<0.0022	<0.0044	<0.0044	0.0054
B-12-2.5	<6.0	<6.0	0.0039	0.0375	<0.0082	0.0032	0.0285	0.0104	0.1301
B-12-25	51.5[2]	<6.0	0.04	<0.1	<0.2	0.1	<0.1	<0.1	0.8
B-13-17.5	<6.0	<6.0	<0.0008	<0.0041	<0.0082	<0.0021	<0.0041	<0.0041	<0.0041
B-13-27.5	<6.0	<6.0	<0.0008	<0.0041	<0.0082	<0.0021	<0.0041	<0.0041	<0.0041
B-14-20	<6.0	<6.0	<0.0019	<0.0093	<0.019	<0.0046	<0.0093	<0.0093	<0.0093
B-14-25	<6.0	<6.0	<0.0019	<0.0093	<0.019	<0.0046	<0.0093	<0.0093	<0.0093
B-15-10	<6.0	5180[3]	<0.02	<0.1	<0.2	0.07	3.7	1.3	2.7
B-15-25	34.9[2]	<6.0	0.0213	3.0	<0.019	1.89	3.21	3.43	3.9
B-16-17.5	17.1[4]	<6.0	<0.2	1.5	<0.2	0.9	6.9	2.9	15.1
B-16-27.5	6.43[4]	<6.0	0.06	<0.1	<0.2	0.07	<0.1	<0.1	0.2
B-17-5	<6.0	<6.0	<0.0021	<0.004	<0.008	<0.0021	<0.004	<0.004	<0.004
B-17-22.5	<6.0	<6.0	<0.0021	<0.004	<0.008	0.0021	<0.004	<0.004	<0.004

Notes:

TPH analysis by California Method with capillary GC/FID.
PVOC analysis by EPA Method 8020.
All soil results calculated on a dry weight basis.

1 The chromatogram is not distinct for either gasoline or diesel. It is reported as diesel, but it appears it may be a heavier petroleum product.

2 The chromatogram is not distinct for either gasoline or diesel. It has more characteristics of aged gasoline and was therefore calculated as gasoline.

3 The chromatogram is not distinct for either gasoline or diesel. It is being reported as diesel, but there is a possibility it is aged and/or degraded gasoline.

4 The chromatogram is distinct for gasoline.

See Appendix C for tabulation of results previously reported in December 1991.

CER\6R868-1.001

VERONA QUIK-MART
VERONA, WISCONSIN

TABLE C-1

UNSATURATED SOIL SAMPLING RESULTS FROM WASTE OIL TANK EXCAVATION AND ALONG PIPING RUNS (AUGUST AND SEPTEMBER 1991)

Sample ID	Sample Location/Depth (feet bgs)	Total Petroleum Hydrocarbon (mg/kg)	
		As Gasoline	As Diesel
A1	Under north end of waste oil tank	<5.4	<5.4
B1	Under south end of waste oil tank	<5.4	<5.4
P-1	2	<5.7	<5.7
P-2	2	<5.7	<5.7
P-3	2	<5.7	27.6
P-3R	3	<5.2	<5.2
P-4	2	8.8	<5.7
NR 720 Residual Contaminant Level		100	100

NOTES:
Analytical results are in milligrams per kilogram (mg/kg) on a dry-weight basis.
Sample depths shown are in feet below ground surface (bgs).
Depth to water at the time of sampling was approximately 25 feet bgs.

Gannett Fleming

VERONA QUIK-MART
VERONA, WISCONSIN

TABLE C-4

SOIL SAMPLING RESULTS (JANUARY 1993)

Sample		PID	Concentration (mg/kg)				
Location	Interval (ft bgs)	(ppmv)	Benzene	Ethylbenzene	Toluene	Xylenes	Lead
WO-1	2.5-4.5	3.2	--	--	--	--	--
	5.0-7.0	3.2	--	--	--	--	--
	7.5-9.5	3.3	--	--	--	--	--
	10.0-12.0	3.5	<0.02	<0.09	0.2	<0.18	<1.6
	12.5-14.5	3.0	--	--	--	--	--
	15.0-17.0	2.9	--	--	--	--	--
	17.5-19.5	3.2	<0.02	<0.09	0.2	<0.18	4.3
NR 720 Residual Contaminant Level (RCL)			0.0055	2.9	4.1	1.5	50

NOTES:
Concentrations are in milligrams per kilogram (mg/kg) on a dry-weight basis.
Depth to water at the time of sampling was approximately 23 feet below ground surface (bgs).
PID = Photoionization detector readings field-calibrated to measure in ppmv as isobutylene equivalents.
-- = Sample not submitted for analysis.

CASE HISTORY

Background Information and Description of Remedial Action Taken

Figure B-1 is a site location map. As shown on Figure B-1, the nearest municipal water supply well is City Well #1, located about 1,100 feet southwest of the site. The boring log for City Well #1 indicates 110 feet of unconsolidated glacial drift over sandstone bedrock. The well is cased to 114 feet below ground surface (bgs) and completed in sandstone bedrock at 755 feet bgs. According to Verona's Director of Public Works, Ron Rieder, all businesses and residences in the area are currently served by public water from the City of Verona.

Figure B-2 is a site plan showing the locations of the existing Verona Quik-Mart store, underground storage tanks, and pump island canopy. The remediation system includes one groundwater recovery well, RW-1, two soil vapor extraction (SVE) vent wells, VW-1 and VW-2, and one air injection well, AI-1. Groundwater quality is sampled through a network of seven monitoring wells, MW-1RR through MW-7, and one piezometer, MW-3P. The site is relatively flat and mostly paved. Some perimeter areas are planted with grass. The property is located in a mixed commercial/residential neighborhood.

Petroleum-contaminated soils were discovered at the site in August 1991, when three underground storage tanks (two 8,000-gallon unleaded gasoline tanks and one 4,000-gallon leaded gasoline tank) located southeast of the store were removed. Approximately 166 cubic yards of contaminated soil were excavated from around the tanks at the same time and, with approval from the Wisconsin Department of Natural Resources (WDNR), transported off site for treatment. In addition, the underground piping running from the tanks to the pump islands and a 500-gallon waste oil tank, located at the former northwest corner of the store, were removed. A subsequent addition to the store was built over the former waste oil tank location. A fifth underground storage tank of unknown size was formerly located between MW-3 and MW-3P, near the southwest corner of the property. It reportedly was removed in the 1960s.

In cooperation with the WDNR, a multi-phase investigation was conducted between August 1991 and December 1994 to characterize hydrogeologic conditions and determine the extent of soil and groundwater contamination. Native soils encountered during the investigation consisted of silty sands with varying amounts of gravel. Bedrock was not encountered to the maximum depth drilled, which was approximately 57 feet bgs at MW-3P. Between August 1991 and August 1994, before on-site remedial pumping began, the depth to groundwater beneath the site ranged from about 18 to 25 feet bgs, depending on the season. The direction of groundwater flow varied, but was generally to the west or southwest. Attachment C, D, and E include more details on the pre-remedial soil sampling results. Attachments I, J, and K summarize the groundwater monitoring data.

Overall results indicate that there were two separate source areas of petroleum-contaminated groundwater on the site. One source area (as historically defined by MW-1, MW-1R, and MW-1RR) was associated with the three tanks formerly located southeast of the store. The second source area (as defined by MW-3) was associated with the single tank formerly located near the southwest corner of the property. With groundwater flowing to the west or southwest, wells downgradient from the two source areas include MW-5 and MW-7. Upgradient wells include MW-2, MW-4, and MW-6.

Free product was observed in and periodically bailed from MW-3 between March 1992 and July 1994. Additional active remediation was conducted at the site using groundwater pump-and-treat with air stripping and SVE between October 1994 and September 1996. The process was upgraded to include periodic in situ groundwater aeration using a portable compressor in January 1996. All active remediation at the site was discontinued in January 1999.

Analytical results for groundwater monitoring document the effectiveness of active remediation in both source areas. The free product in MW-3, near the source area in the southwest property corner, was eliminated, and dissolved-phase contaminant concentrations were significantly reduced. Likewise, remediation through natural attenuation (RNA) sampling conducted in November 1999 documents that the assimilative capacity of the aquifer was about nine percent higher than the

average residual concentration of benzene, toluene, ethylbenzene, and xylenes (BTEX) in the two source area wells.

Post-remedial samples of the unsaturated soils were not collected because samples from the SVE system during its operation indicated that the concentration of total VOCs in the exhaust gas had diminished to low levels. Therefore, no post-remedial soil analytical results table or post-remedial soil sampling location map are attached. Attachment H, however, does include a post-remedial geologic cross section for comparison to Figure E-1. Figures E-1 and H-1 illustrate that the plume(s) of petroleum-contaminated groundwater receded between August 1994 and November 1999.

Justification for Case Closure

Two source areas of petroleum-contaminated soil and groundwater were identified on the site. The three tanks associated with the source area located southeast of the store were removed in August 1991. The one tank associated with the source area located between MW-3 and MW-3P, near the southwest corner of the property, was removed in the 1960s.

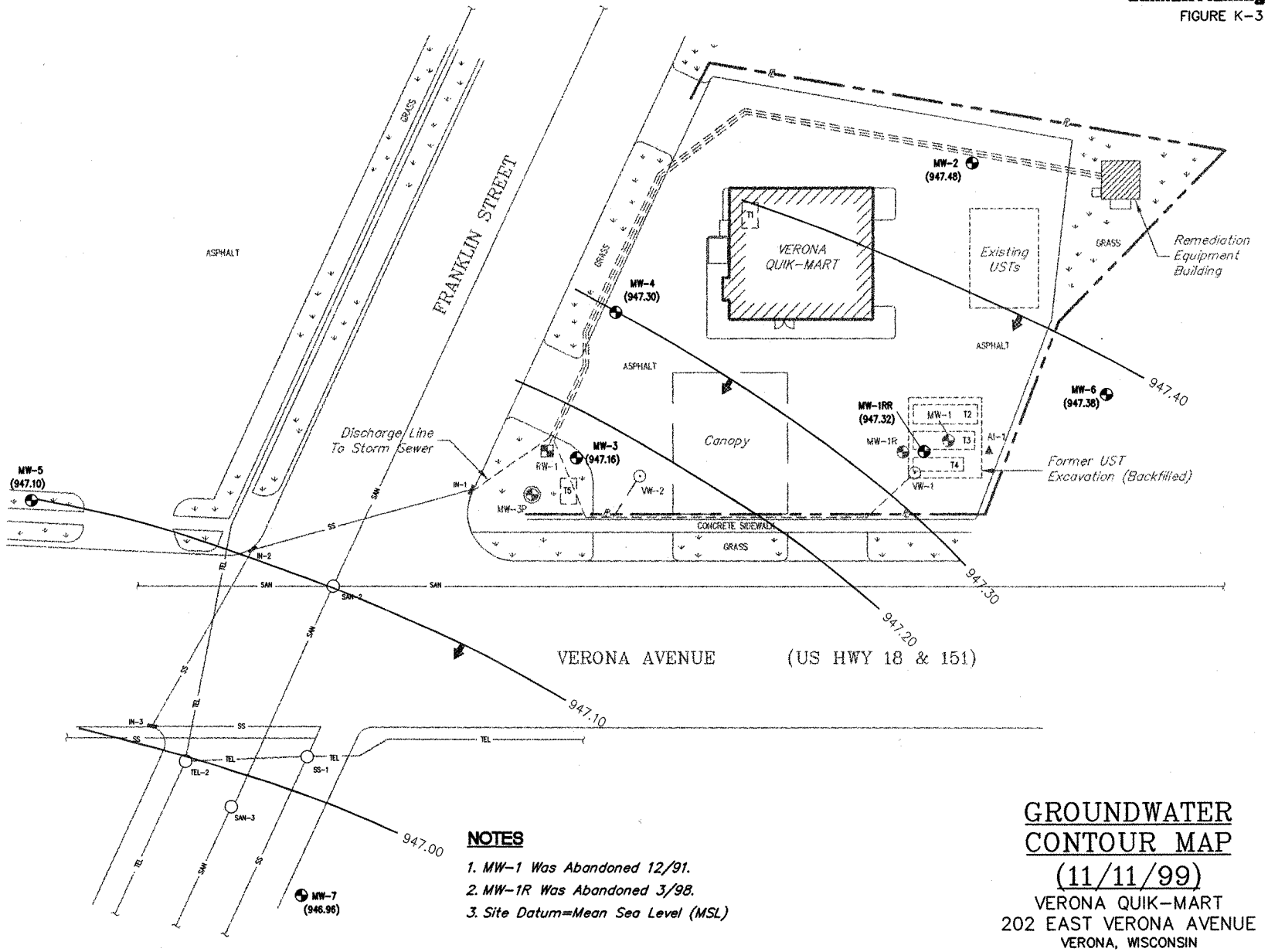
Active soil and groundwater remediation conducted between October 1994 and January 1999 eliminated the free product from MW-3, significantly reduced dissolved-phase contaminant concentrations in both source areas, and caused their plume(s) to recede.

Groundwater monitoring data collected on November 11, 1999, document that the assimilative capacity of the aquifer was about nine percent higher than the average residual BTEX concentration.

Based on these findings, and on behalf of Francois Oil Company, Gannett Fleming requests that the WDNR issue a closure letter confirming that natural attenuation is an acceptable final remedy for this site. As a condition for closure, Francois Oil is willing to record a groundwater use restriction for the property, if the WDNR determines that one is necessary.

Gannett Fleming

FIGURE K-3



LEGEND

- Groundwater Contour With Flow Direction
- MW-2 (946.54) Monitoring Well With Groundwater Elevation (Feet MSL)
- MW-3P Piezometer
- RW-1 Groundwater Recovery Well
- AI-1 Air Injection Well
- VW-1 Soil Vapor Extraction Well
- Remediation System Underground Piping Runs
- SAN-2 Utility Manhole
- IN-1 Inlet For Storm Sewer
- SAN Sanitary Sewer Trench
- SS Storm Sewer Trench
- TEL Telephone Trench
- T1 Former Underground Storage Tank
  - T1 500-GALLON WASTE OIL
  - T2 8,000-GALLON UNLEADED GASOLINE
  - T3 8,000-GALLON UNLEADED GASOLINE
  - T4 4,000-GALLON LEADED GASOLINE
  - T5 TANK OF UNKNOWN SIZE REMOVED IN THE EARLY 1960s

0 30

Scale In Feet

NOTES

1. MW-1 Was Abandoned 12/91.
2. MW-1R Was Abandoned 3/98.
3. Site Datum=Mean Sea Level (MSL)

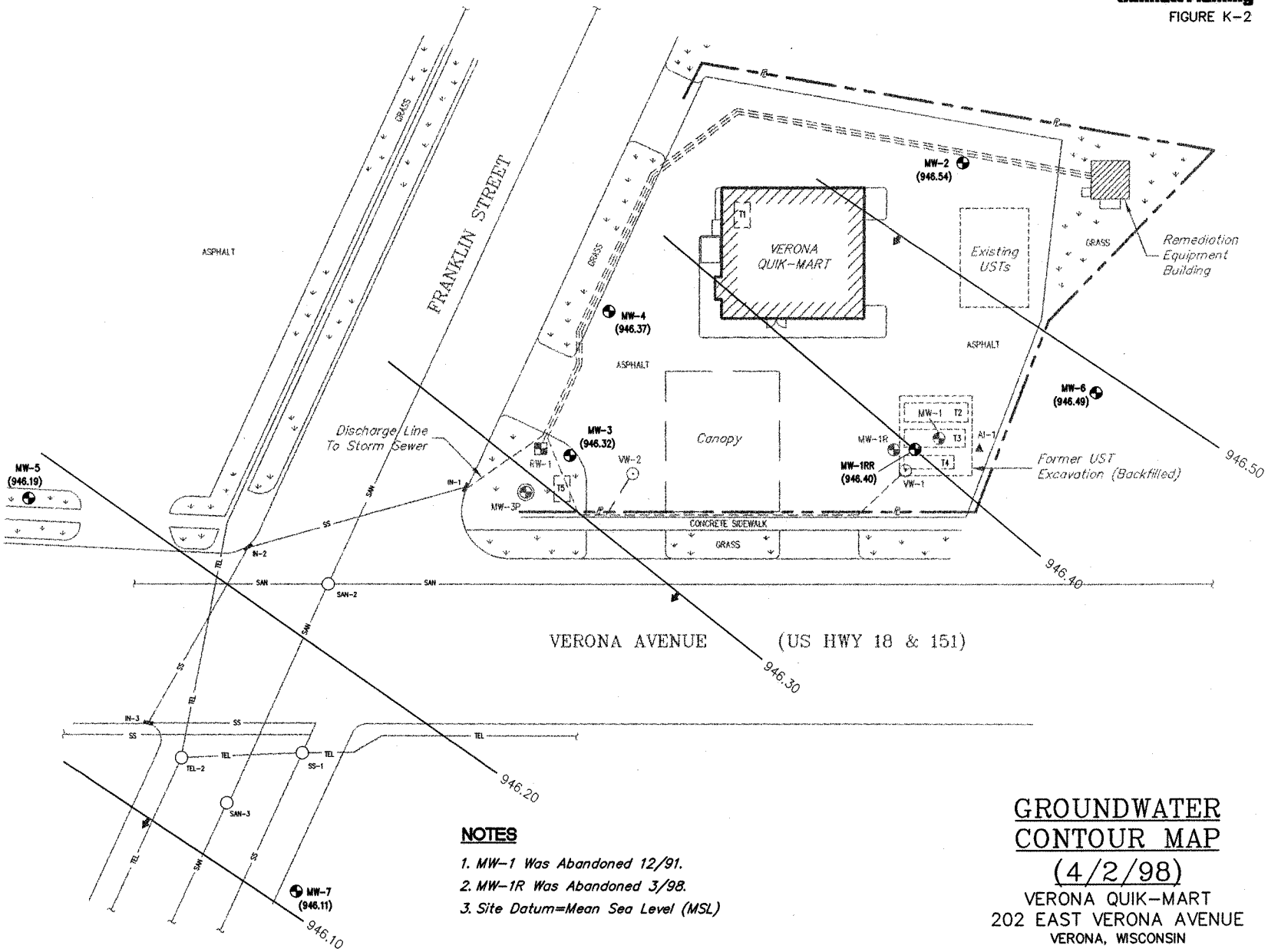
GROUNDWATER CONTOUR MAP (11/11/99)

VERONA QUIK-MART
202 EAST VERONA AVENUE
VERONA, WISCONSIN

030200
34460WJ

Gannett Fleming

FIGURE K-2



LEGEND

- Groundwater Contour With Flow Direction
- MW-2 (946.54) Monitoring Well With Groundwater Elevation (Feet MSL)
- MW-3P Piezometer
- RW-1 Groundwater Recovery Well
- AI-1 Air Injection Well
- VW-1 Soil Vapor Extraction Well
- Remediation System Underground Piping Runs
- SAN-2 Utility Manhole
- IN-1 Inlet For Storm Sewer
- SAN Sanitary Sewer Trench
- SS Storm Sewer Trench
- TEL Telephone Trench
- T1 Former Underground Storage Tank

T1 500-GALLON WASTE OIL
T2 8,000-GALLON UNLEADED GASOLINE
T3 8,000-GALLON UNLEADED GASOLINE
T4 4,000-GALLON LEADED GASOLINE
T5 TANK OF UNKNOWN SIZE REMOVED IN THE EARLY 1960s

0 30
Scale In Feet

NOTES

1. MW-1 Was Abandoned 12/91.
2. MW-1R Was Abandoned 3/98.
3. Site Datum=Mean Sea Level (MSL)

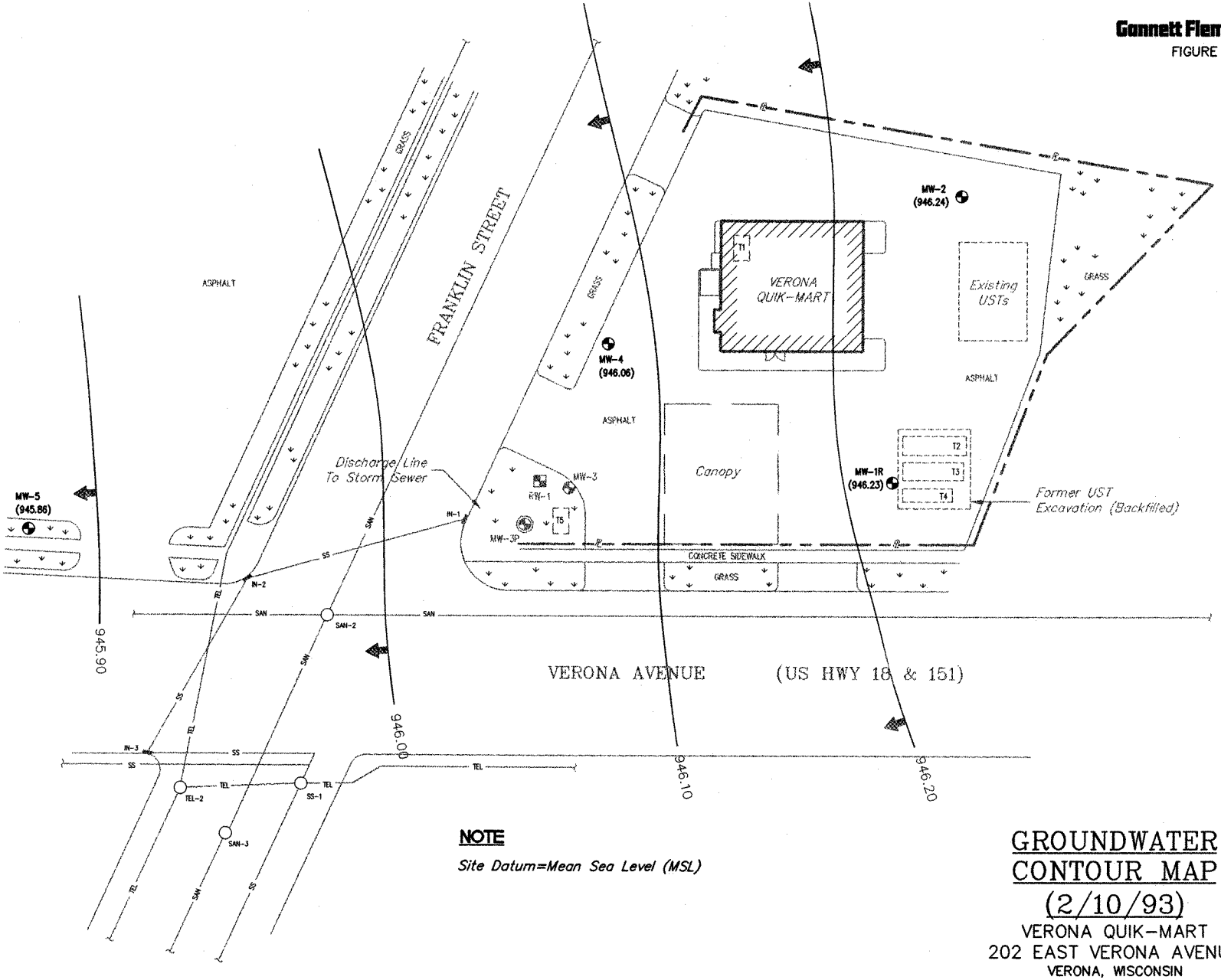
GROUNDWATER CONTOUR MAP (4/2/98)

VERONA QUIK-MART
202 EAST VERONA AVENUE
VERONA, WISCONSIN

030100
34460WI

Gannett Fleming

FIGURE K-1



LEGEND

- Groundwater Contour With Flow Direction
- MW-2 (946.24) Monitoring Well With Groundwater Elevation (Feet MSL)
- MW-3P Piezometer
- RW-1 Groundwater Recovery Well
- SAN-2 Utility Manhole
- IN-1 Inlet For Storm Sewer
- SAN Sanitary Sewer Trench
- SS Storm Sewer Trench
- TEL Telephone Trench
- T1 Former Underground Storage Tank

T1 500-GALLON WASTE OIL
T2 8,000-GALLON UNLEADED GASOLINE
T3 8,000-GALLON UNLEADED GASOLINE
T4 4,000-GALLON LEADED GASOLINE
T5 TANK OF UNKNOWN SIZE REMOVED IN THE EARLY 1960s

0 30
Scale In Feet

NOTE

Site Datum=Mean Sea Level (MSL)

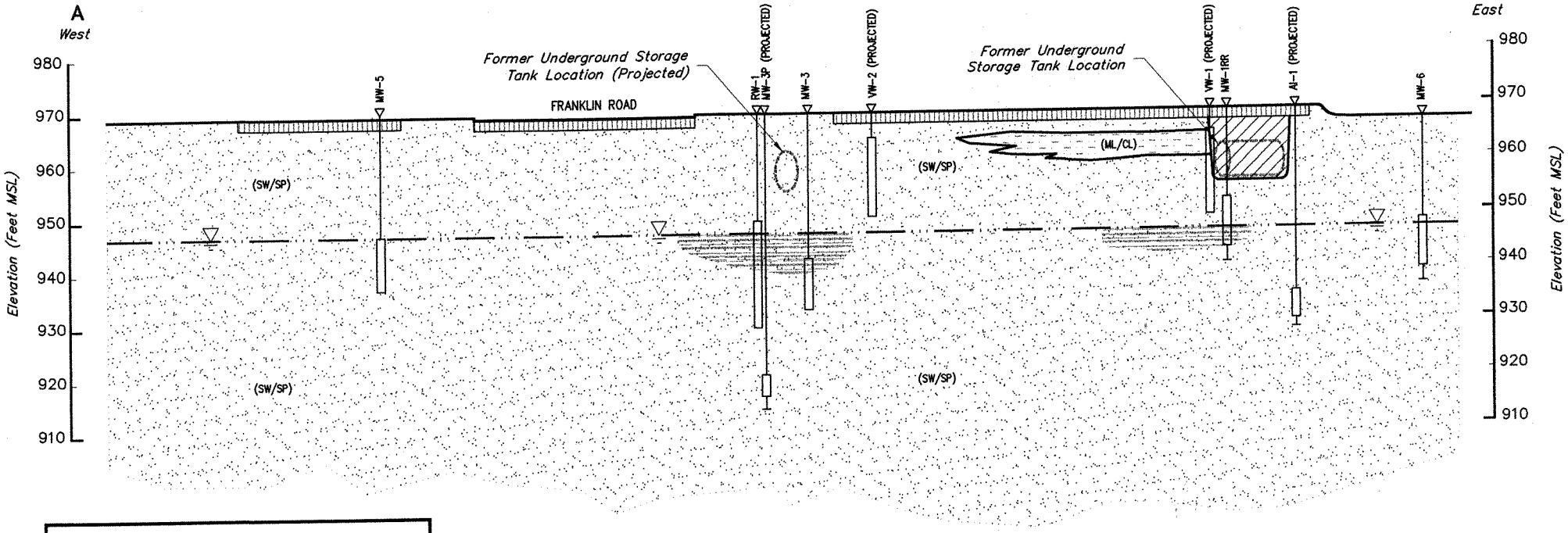
GROUNDWATER CONTOUR MAP (2/10/93)

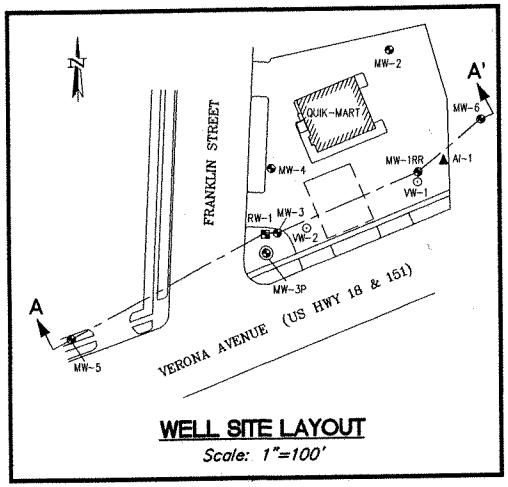
VERONA QUIK-MART
202 EAST VERONA AVENUE
VERONA, WISCONSIN

030200
34460WH

Gannett Fleming

FIGURE H-1





WELL SITE LAYOUT

Scale: 1"=100'

LEGEND

Well Construction

- *Well Identification* (MW-5)
- *Well Casing*
- *Screened Interval*
- *Geologic Contact (Dashed Where Inferred)*
- *Static Water Level*

Geologic Units

- *Asphalt*
- *Backfill*
- *Silty Clay (ML/CL)*
- *Fine To Coarse Sand, Some Silt And Gravel (SW/SP)*
- *Estimated Extent Of Petroleum-Contaminated Groundwater*

NOTES

1. *Groundwater Elevations Based On Water Levels Measured On November 11, 1999.*
2. *Bedrock Was Not Encountered.*
3. *Underground Utilities Not Shown.*

Horizontal Scale: 1" = 30'
Vertical Scale: 1" = 20'
Vertical Exaggeration: 1.5x
Site Datum=Mean Sea Level (MSL)

POST-REMEDIAL GEOLOGIC CROSS SECTION A-A' (NOVEMBER 1999)

VERONA QUIK-MART
202 EAST VERONA AVENUE
VERONA, WISCONSIN

030200
34460WF

AFFIDAVIT

I, Ed Francois, Francois Oil Company, Inc., the responsible party for the property located at 202 E. Verona Avenue, Verona, Dane County, Wisconsin, to the best of my knowledge, do hereby attest that the legal description provided to the Wisconsin Department of Natural Resources (and attached to this statement)) for case file reference is complete and accurate to the best of my knowledge.

Signature of Representative for Responsible Party

10-13-05
Date