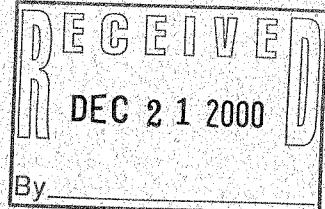


ENVIRONMENTAL • CIVIL/GEOTECH • COMPLIANCE

W66 N215 Commerce Court
Cedarburg, Wisconsin 53012
(262) 375-4750
(800) 645-7365
Fax (262) 375-9680



December 7, 2000

Mr. John Feeney
Wisconsin Department of Natural Resources
4041 North Richards Street
Post Office Box 12436
Milwaukee, Wisconsin 53212-0436

Via Telefax: (414) 229-0810
and First Class Mail

Reference: Project Status
Tecumseh Products Company - Grafton Facility
900 North Street
Grafton, Wisconsin 53024
FID #: 246009170
BRRTS #: 02-46-000751

KEY ENGINEERING GROUP, LTD.
File No. 1007010

Dear Mr. Feeney:

The purpose of this letter is to confirm our telephone conversation on November 16, 2000 regarding the progress of the soil remediation at the above referenced site and our intention to suspend soil treatment during the winter months and to resume soil treatment again in the spring. As we discussed, soil currently in the treatment tanks will continue to be treated until it is below the target cleanup levels. Currently there are approximately 150 cubic yards of soil in the North Treatment Tank and approximately 250 cubic yards of soil in the South Treatment Tank. Soil was placed in the North Treatment Tank on October 3, 2000 and in the South Treatment Tank on October 18 and 19, 2000.

At this time we are evaluating the feasibility (treatability study) of adding potassium permanganate to accelerate the treatment of the soil. This contingent supplemental treatment approach was discussed in our project meeting on June 15, 2000 and we understand that the Wisconsin Department of Natural Resources has approved this treatment method at other sites in southeastern Wisconsin. At this time we are also requesting a 30 day extension to the 90 day treatment period.

Treatment tank performance soil sample analytical results are summarized in the attached tables and figures. Please call us at (262) 375-4750 if you have questions regarding this letter.

Sincerely,

KEY ENGINEERING GROUP, LTD.

Larry J. Wehrheim
Larry J. Wehrheim, CHMM, P.G.
Senior Project Manager

Kenneth W. Wein
Kenneth W. Wein, CHMM
President

LJW/clh

Attachments: Table 1A North Tank - First Treatment Event
Table 1B North Tank - Second Treatment Event
Table 1C North Tank - Third Treatment Event
Table 2A South Tank - First Treatment Event
Table 2B South Tank - Second Treatment Event
Table 2C South Tank - Third Treatment Event
Table 2D South Tank - Fourth Treatment Event
Figure 1 Summary of Soil Sample Analytical Results - Area 1
Figure 2 Summary of Soil Sample Analytical Results - Areas 2 and 3

cc: Mr. Kerry DeKeyser, Tecumseh Products

H:\PROJECTS\2000\1007010\Letters\120700.ljw.wpd

TABLE 1A
NORTH TANK - FIRST TREATMENT EVENT
SUMMARY OF TREATMENT TANK SOIL SAMPLE ANALYTICAL RESULTS

TECUMSEH PRODUCTS - GRAFTON FACILITY

900 North Street
Grafton, Wisconsin

	ECD SOIL SCREENING RESULTS								GC/MS RESULTS (mg/kg)			
	TCE (mg/kg)				TCA (mg/kg)				TCE		TCA	
Date	8/30/00	9/1/00	9/6/00	9/11/00	8/30/00	9/1/00	9/6/00	9/11/00	9/7/00	9/11/00	9/7/00	9/11/00
NT-1	4.170	2.510	0.999	0.458	0.056	0.032	0.016	0.009	1.260	0.528	0.035	<0.017
NT-2	2.100	0.798	0.362		0.014	0.016	0.014					
NT-3	1.260	0.548	0.409		0.028	0.043	0.016		0.802		0.039	
NT-4	0.419	0.559	0.463		0.065	0.026	0.018					
NT-5	0.823	0.972	0.562		0.022	0.019	0.014		0.449		<0.017	
NT-6	3.940	1.320	0.468		0.016	0.029	0.018					
NT-7	5.760	0.474	0.509		0.068	0.029	0.022		0.775		<0.017	
NT-8	0.533	2.060	0.635		0.045	0.037	0.016					
Average	2.376	1.155	0.551	0.458	0.039	0.029	0.017	0.009				

Notes:

Soil excavated from Area 1 on 8/23-28/00

mg/kg - milligrams per kilogram

TCA - 1,1,1-trichloroethane

TCE - trichloroethene

GC/MS - gas chromatograph/mass spectrophotometer method, United States Environmental Protection Agency Method 8260

ECD - electron capture detector analytical method

TABLE 1B
NORTH TANK - SECOND TREATMENT EVENT
SUMMARY OF TREATMENT TANK SOIL SAMPLE ANALYTICAL RESULTS

TECUMSEH PRODUCTS - GRAFTON FACILITY

900 North Street
Grafton, Wisconsin

	ECD SOIL SCREENING RESULTS								GC/MS Results	
	TCE (mg/kg)				TCA (mg/kg)				TCE (mg/kg)	TCA (mg/kg)
Date	9/15/00	9/19/00	9/21/00	9/27/00	9/15/00	9/19/00	9/21/00	9/27/00	9/27/00	9/27/00
NT-1	4.500	1.150	0.700	0.460	1.520	0.122	0.099	0.082	0.509	0.066
NT-2	24.000	0.588			0.954	0.052			0.421	0.039
NT-3	1.820	0.276			0.014	0.014				
NT-4		0.371				0.008				
NT-5		0.308				0.006				
NT-6	0.842				0.025				0.492	<0.017
NT-7	7.740	1.090	1.070	0.301	0.160	0.136	0.107	0.058	0.324	0.048
NT-8	0.653				0.168					
Average	6.593	0.6305	0.885	0.3805	0.474	0.056	0.103	0.07		

Notes:

Soil excavated from Area 3 on 9/15-18/00

mg/kg - milligrams per kilogram

TCA - 1,1,1-trichloroethane

TCE - trichloroethene

GC/MS - gas chromatograph/mass spectrophotometer method, United States Environmental Protection Agency Method 8260

ECD - electron capture detector analytical method

TABLE 1C
NORTH TANK - THIRD TREATMENT EVENT
SUMMARY OF TREATMENT TANK SOIL SAMPLE ANALYTICAL RESULTS

TECUMSEH PRODUCTS - GRAFTON FACILITY

900 North Street
Grafton, Wisconsin

	ECD SOIL SCREENING RESULTS															
	TCE (mg/kg)							TCA (mg/kg)								
Date	10/3/00	10/13/00	10/20/00	10/27/00	11/1/00	11/14/00	11/15/00	11/27/00	10/3/00	10/13/00	10/20/00	10/27/00	11/1/00	11/14/00	11/15/00	11/27/00
NT-1	0.762	0.923	0.964	2.270	1.150			1.150	0.032	0.020	0.021	0.057	0.029		0.033	
NT-2	23.300	4.490	2.930	1.550	1.850			1.120	0.206	0.055	0.036	0.022	0.041		0.020	
NT-3	23.700	4.120	3.480	1.450	1.180		0.847		0.183	0.021	0.024	0.010	0.023		0.011	
NT-4		1.840	1.230	0.622	1.470	0.765	0.475			0.013	0.008	<0.0003	0.021	0.009	0.010	
NT-5		1.670	1.590	1.270	1.780	0.799	0.524			0.014	0.010	0.008	0.022	0.008	0.008	
NT-6	26.500	2.920	3.140	2.000	1.320		0.772		0.173	0.023	0.026	0.015	0.025		0.012	
NT-7	6.790	3.360	1.880	1.460	1.310			0.968	0.097	0.071	0.030	0.024	0.033		0.030	
NT-8	5.750	1.270	0.770	0.618	1.190			0.803	0.026	0.017	0.022	0.015	0.037		0.021	
Average	14.467	2.574	1.998	1.405	1.406	0.782	0.655	1.010	0.120	0.029	0.022	0.022	0.029	0.009	0.010	0.026

	GC/MS Results (mg/kg)	
	TCE	TCA
Date	11/15/00	11/15/00
NT-1		
NT-2		
NT-3	0.858	<0.015
NT-4		
NT-5		
NT-6	0.823	<0.017
NT-7		
NT-8		

Notes:

Soil was excavated from Area 3 on 10/3/00

mg/kg - milligrams per kilogram

TCA - 1,1,1-trichloroethane

TCE - trichloroethene

GC/MS - gas chromatograph/mass spectrophotometer method, United States Environmental Protection Agency Method 8260

ECD - electron capture detector analytical method

TABLE 2A
SOUTH TANK - FIRST TREATMENT EVENT
SUMMARY OF TREATMENT TANK SOIL SAMPLE ANALYTICAL RESULTS

TECUMSEH PRODUCTS - GRAFTON FACILITY

900 North Street
Grafton, Wisconsin

	ECD SOIL SCREENING RESULTS								GC/MS RESULTS (mg/kg)	
	TCE (mg/kg)				TCA (mg/kg)				TCE	TCA
Date	8/25/00	8/30/00	9/1/00	9/6/00	8/25/00	8/30/00	9/1/00	9/6/00	9/7/00	9/7/00
ST-1	2.950	1.290	0.353	0.420	0.098	0.050	0.020	0.022	0.378	<0.017
ST-2	0.596	1.140	0.701	0.472	0.038	0.046	0.041	0.030		
ST-3	2.610	1.220	0.452	0.294	0.065	0.089	0.053	0.022	0.198	<0.017
ST-4	0.684	0.536	0.390	0.211	0.074	0.037	0.044	0.021		
ST-5	0.784	1.780	0.807	0.370	0.113	0.097	0.033	0.024	0.246	0.027
ST-6	1.160	0.641	0.231	0.271	0.131	0.056	0.017	0.020		
ST-7	0.272	0.762	0.788	1.250	0.020	0.037	0.044	0.049	0.357	<0.017
ST-8	1.510	1.160	1.090	0.490	0.062	0.043	0.043	0.041		
Average	1.321	1.066	0.602	0.472	0.075	0.057	0.037	0.029		

Notes:

Soil excavated from Area 1 on 8/23-28/00

mg/kg - milligrams per kilogram

TCA - 1,1,1-trichloroethane

TCE - trichloroethene

GC/MS - gas chromatograph/mass spectrophotometer method, United States Environmental Protection Agency Method 8260

ECD - electron capture detector analytical method

TABLE 2B
SOUTH TANK - SECOND TREATMENT EVENT
SUMMARY OF TREATMENT TANK SOIL SAMPLE ANALYTICAL RESULTS

TECUMSEH PRODUCTS - GRAFTON FACILITY

900 North Street
Grafton, Wisconsin

	ECD RESULTS		GC/MS RESULTS	
	TCE (mg/kg)	TCA (mg/kg)	TCE (mg/kg)	TCA (mg/kg)
Date	9/15/00	9/15/00	9/18/00	9/18/00
ST-1	<0.00003	0.036		
ST-2	0.025	1.120	0.032	0.836
ST-3	0.019	0.937	<0.025	0.443
ST-4				
ST-5				
ST-6	0.047	0.393	<0.025	0.109
ST-7	<0.00003	0.678		
ST-8	<0.00003	0.068	<0.025	<0.025
Average	0.030	0.539	0.032	0.463

Notes:

Soil excavated from Area 2 on 9/14-15/00

mg/kg - milligrams per kilogram

TCA - 1,1,1-trichloroethane

TCE - trichloroethene

GC/MS - gas chromatograph/mass spectrophotometer method,

United States Environmental Protection Agency Method 8260

ECD - electron capture detector analytical method

Cells ST-4 and ST-5 were not filled.

TABLE 2C
SOUTH TANK - THIRD TREATMENT EVENT
SUMMARY OF TREATMENT TANK SOIL SAMPLE ANALYTICAL RESULTS

TECUMSEH PRODUCTS - GRAFTON FACILITY

900 North Street
Grafton, Wisconsin

	ECD SOIL SCREENING RESULTS																			
	TCE (mg/kg)										TCA (mg/kg)									
Date	9/21/00	9/22/00	9/27/00	9/29/00	10/3/00	10/4/00	10/6/00	10/11/00	10/13/00	10/17/00	9/21/00	9/22/00	9/27/00	9/29/00	10/3/00	10/4/00	10/6/00	10/11/00	10/13/00	10/17/00
ST-1	0.284		0.190								0.429		0.217							
ST-2	0.334		0.770	0.647	0.423						0.116		0.165	0.139	0.119					
ST-3		50.300	1.980	2.460	1.500	0.960	0.646					0.410	0.064	0.078	0.068	0.040	0.032			
ST-4		27.600	2.160	2.480	1.150	2.390	0.777	1.210	0.761	0.585		0.104	0.011	0.024	0.020	0.036	0.016	0.049	0.029	0.026
ST-5		74.000	1.860	4.290	1.980	1.530	0.562					0.248	0.007	0.048	0.030	0.026	0.014			
ST-6		16.900	2.430	4.750	2.360	1.170	0.571	0.824	0.698	0.638		0.217	0.080	0.079	0.144	0.062	0.031	0.022	0.049	0.069
ST-7	0.287		0.278	0.759	0.373						0.136		0.111	0.241	0.148					
ST-8	0.242		0.249								0.431		0.093							
Average	0.287	42.2	1.240	2.564	1.298	1.513	0.639	1.017	0.730	0.612	0.278	0.245	0.094	0.102	0.088	0.041	0.023	0.036	0.039	0.048

	GC/MS RESULTS (mg/kg)							
	TCE	TCA	TCE	TCA	TCE	TCA	TCE	TCA
Date	9/27/00	9/27/00	9/29/00	9/29/00	10/6/00	10/6/00	10/17/00	10/17/00
ST-1								
ST-2	1.030	0.167	0.723	0.090				
ST-3								
ST-4				1.950	<0.017	0.672	<0.025	
ST-5								
ST-6					1.290	0.032	0.990	0.065
ST-7								
ST-8	0.288	0.078						

Notes:

Soil excavated from Area 3 on 9/21-22/00

mg/kg - milligrams per kilogram

TCA - 1,1,1-trichloroethane

TCE - trichloroethene

GC/MS - gas chromatograph/mass spectrophotometer method, United States Environmental Protection Agency Method 8260

ECD - electron capture detector analytical method

TABLE 2D
SOUTH TANK - FOURTH TREATMENT EVENT
SUMMARY OF TREATMENT TANK SOIL SAMPLE ANALYTICAL RESULTS

TECUMSEH PRODUCTS - GRAFTON FACILITY

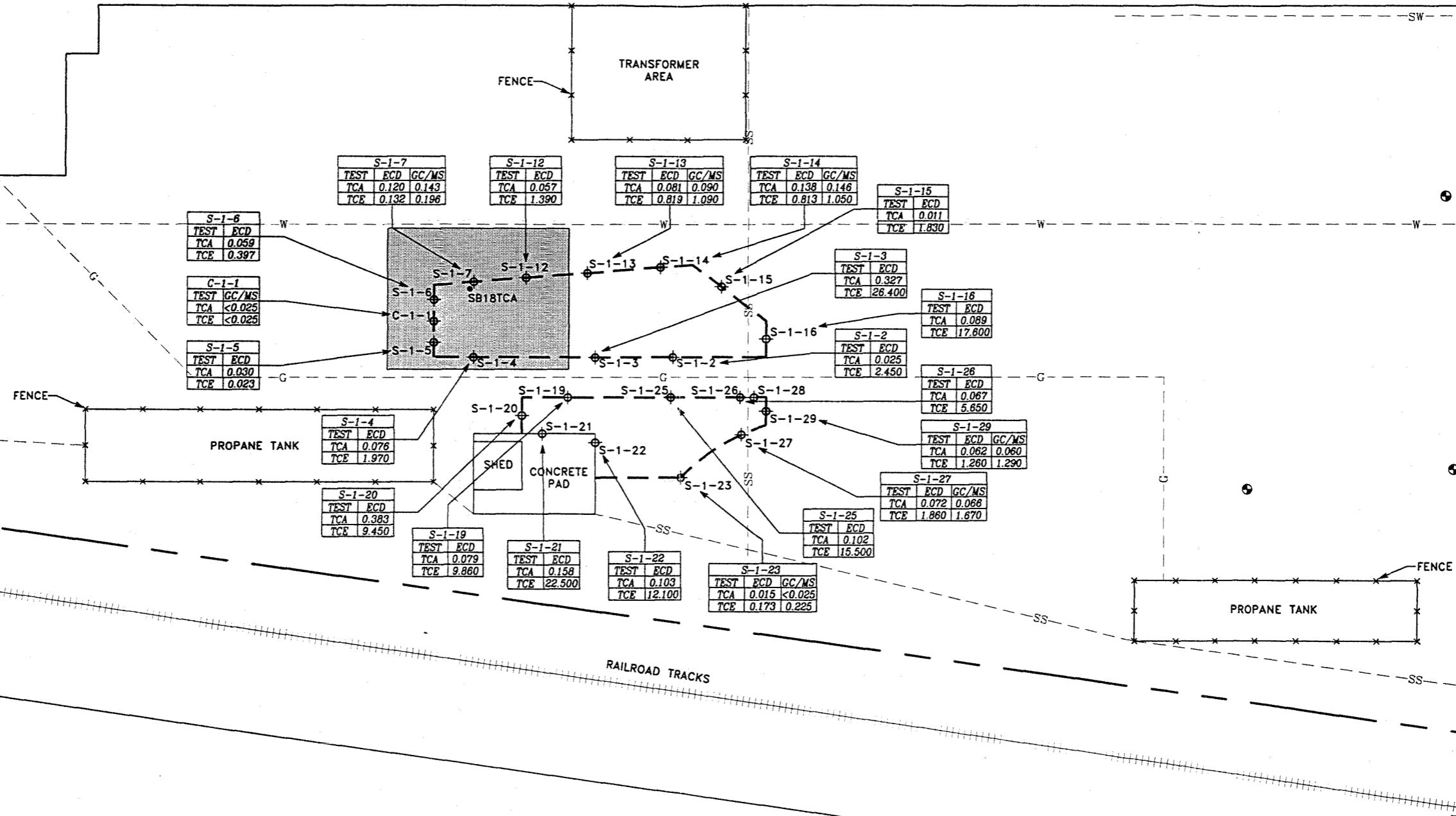
900 North Street
Grafton, Wisconsin

	ECD RESULTS			
	TCE (mg/kg)		TCA (mg/kg)	
Date	10/27/00	11/1/00	10/27/00	11/1/00
ST-1	6.100		0.032	
ST-2	7.720	5.860	0.019	0.037
ST-3	7.190		0.016	
ST-4	4.340		0.012	
ST-5	4.890		0.01	
ST-6	6.300	6.750	0.017	0.034
ST-7	7.720		0.019	
ST-8	2.900		0.015	
Average	5.895	6.305	0.018	0.036

Notes:

Soil excavated from Area 3 on 10/18-19/00
mg/kg - milligrams per kilogram
TCA - 1,1,1-trichloroethane
TCE - trichloroethene
GC/MS - gas chromatograph/mass spectrophotometer method,
United States Environmental Protection Agency Method 8260
ECD - electron capture detector analytical method

TECUMSEH PLANT



NOTES

TCA: 1,1,1-TRICHLOROETHANE, mg/kg
 TCE: TRICHLOROETHENE, mg/kg
 mg/kg: MILLIGRAMS PER KILOGRAM
 < : LESS THAN

- LEGEND**
- Soil Sample Location
 - Soil Boring Performed by RMT, Inc.
 - Proposed Excavation Area 1
 - - - C - - Propane Gas Line
 - - - SS - - Sewer Line
 - - - W - - Water Line

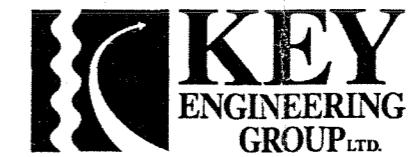
ECD
 0.022
 1.170

LABORATORY RESULTS FOR TCE/TCA
 IN SOIL IN MILLIGRAMS PER KILOGRAM
 USING ELECTRON CAPTURE DETECTOR
 METHOD

GC/MS
 0.025
 < 0.025

LABORATORY RESULTS FOR TCE/TCA
 IN SOIL IN MILLIGRAMS PER KILOGRAM
 USING EPA METHOD 8260

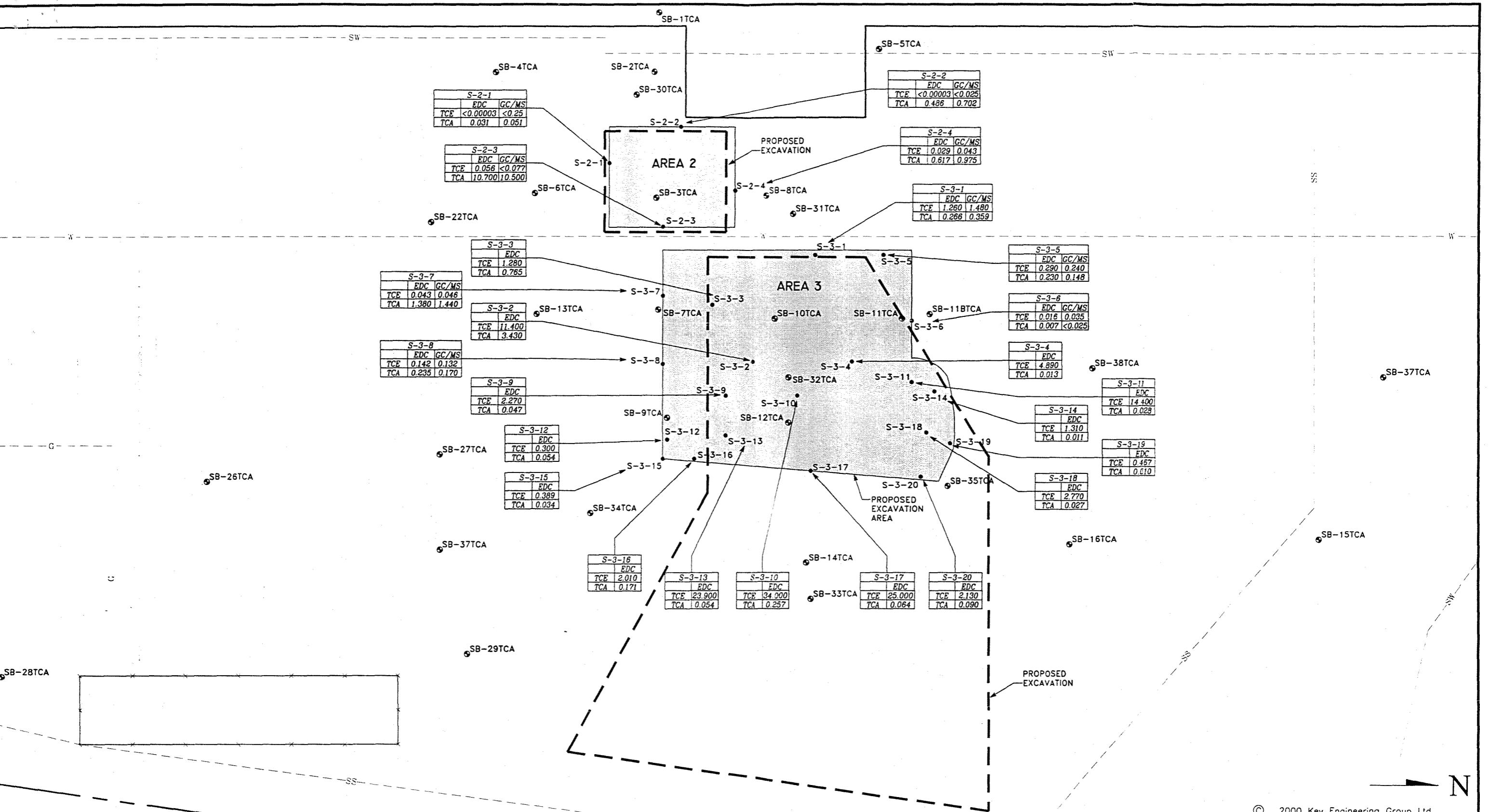
0	15	30
SCALE: 1"=30'		
DRN. BY:	J.J.J.	DATE: 12/04/00
DSN. BY:	L.J.W.	FILE NO.: 1007010
CHK. BY:	L.J.W.	DWG. NO.: 10070102
REV. BY:	G.L.J.	SHEET NO.: 1



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FIGURE 1
 SUMMARY OF SOIL
 SAMPLE ANALYTICAL RESULTS

AREA 1 REMEDIAL ACTION
 EAST PARKING LOT AREA
 TECUMSEH PRODUCTS COMPANY
 900 NORTH STREET
 GRAFTON, WISCONSIN



LEGEND

- SOIL SAMPLE LOCATION
- FORMER BORING LOCATION
- - G - - GAS LINE
- - SS - - SANITARY SEWER LINE
- - SW - - STORM WATER SEWER LINE
- - W - - WATER LINE

NOTES

TCE: TRICHLORETHENE, mg/kg
 TCA: 1,1,1-TRICHLOROETHANE, mg/kg
 ECD: ELECTRON CAPTURE DETECTION
 GC: GAS CHROMATOGRAPHY
 MS: MASS SPECTROPHOTOMETRY
 < : LESS THAN
 mg/kg: MILLIGRAMS PER KILOGRAM

0 10 20

SCALE: 1"=20'

DRN. BY:	J.J.J.	DATE:	12/07/00
DSN. BY:	T.E.M.	FILE NO.:	1007010
CHK. BY:	L.J.W.	DWG. NO.:	10070104
REV. BY:	G.L.J.	SHEET NO.:	2



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FIGURE 2
SUMMARY OF SOIL
SAMPLE ANALYTICAL RESULTS
 AREAS 2 AND 3 REMEDIAL ACTION
 EAST PARKING LOT AREA
 TECUMSEH PRODUCTS COMPANY
 900 NORTH STREET
 GRAFTON, WISCONSIN