

**MICHAEL BEST
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September 24, 1998



HAND DELIVERY

Mr. Joseph Renville
WDNR - Legal
101 South Webster Street
Madison, WI 53701

Mr. David Carper
WDNR
101 South Webster
Madison, WI 53701

Re: Oakfield Properties, Inc.
201 Main Street
Oakfield, WI

Dear Joe and David:

Attached please find the final Preliminary Site Investigation Report that was received yesterday in our offices. The volatile organic compounds ("VOC's") found in the soils and groundwater appear to be degreasing agents or their breakdown products. We believe that this contamination was caused by the past practices of Romort Corporation, the prior owner and operator of the Property.

We have also attached the Hazardous Waste Reports for Romort Corporation. Most noteworthy is the report from 1984 which reveals that Romort Corporation disposed of 1,414 pounds of hazardous substances at the Property, including some of the exact substances discovered during the recent investigation.

D. Mueller Industries, Inc., the current operator, conducts welding and fabrication operations on the site. It has investigated the minimal solvents it uses on site and none contain the contaminants of concern now found in the soils and groundwater.

Mr. Joseph Renville
Mr. David Carper
September 24, 1998
Page 2

Unlike Romort Corporation, D. Mueller Industries, Inc. does not have a degreasing operation on-site. Instead, D. Mueller Industries, Inc. subcontracts to an off-site company to conduct all degreasing operations.

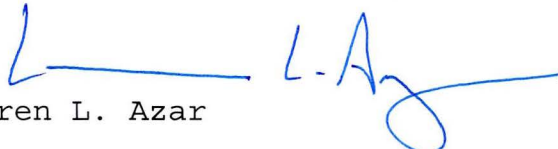
As a reminder, the Estate of Esther MacEachran is currently pending in Probate Court. Ms. MacEachran personally owned the property while VOC's were apparently migrating through the soils and groundwater. Ms. MacEachran was also president and shareholder of Romort Corporation.

Also as a reminder, Oakfield Properties, Inc. is the current owner of the property.

We will call you within the next few days to discuss the situation.

Very truly yours,

MICHAEL BEST & FRIEDRICH LLP


Lauren L. Azar

LLA:jw

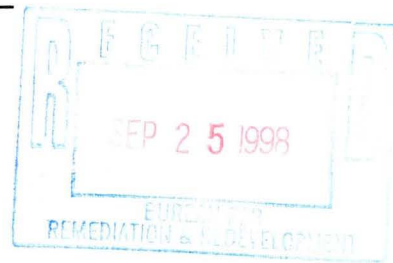
Enclosures

cc: Nathan Fishbach, Esq.

Engel & Associates, Inc.

Geological & Environmental Consultants

SEP 23 1998



September 10, 1998

Oakfield Properties, Inc.
Attn: Mr. Don Mueller
201 Main Street
Oakfield, WI 53065

Re: Results of Preliminary Site Investigation
Oakfield Properties, Inc.
201 Main Street
Oakfield, Wisconsin

Dear Mr. Mueller:

Presented herein are the results of a limited site investigation conducted at Oakfield Properties, Inc., 201 Main Street, Oakfield, Wisconsin ("Site"). (See Figure 1) The purpose of this investigation was to determine if the Site could be a source for downgradient groundwater contamination found at the Oakfield Oil Company site at 127 East Church Street.

To accomplish this goal, Engel & Associates, Inc. ("ENGEL") contacted Mr. David Carper at the Wisconsin Department of Natural Resources ("WDNR") and discussed the scope and location of borings. Mr. Carper suggested that the borings be located east of the building near First Street; this area formerly contained an underground storage tank¹ ("UST") and is located near an area of the building that formerly contained a degreasing machine.

PROCEDURES

On August 20, 1998, ENGEL, along with Strata Morph Geoexploration, L.L.C., of Sun Prairie, Wisconsin, mobilized to the Oakfield Properties' site to perform investigative activities, using a GEOPROBE®. Site layout and location of the bore holes is depicted in Figure 2.

Soil Sampling

Soil sample retrieval was conducted with a GEOPROBE® unit, consisting of a truck-mounted hydraulic hammer drill which drives 2.25 inch I.D. by 48-inch long, stainless steel core soil samplers. The core samplers are fitted with disposable polyethylene inserts, and driven into

¹ The UST is registered with the Department of Commerce as having a capacity of 6,000 gallons for fuel oil and having been removed.

previously undisturbed soil to collect continuous core samples. Sampling equipment (i.e. core samplers, push rods, etc.) were decontaminated between samples as follows:

- * Tap water/trisodium phosphate detergent (TSP) wash
- * Tap water rinse
- * Deionized water rinse
- * Air dried

New polyethylene sleeves were installed in the core samplers for each sampling interval.

ENGEL performed investigative activities including soil sample characterization, classification, field headspace analysis, and preparation for laboratory analysis. Field observations and analyses are included in the bore hole construction logs, as attached. Soil samples were described in terms of their physical characteristics and visually classified in accordance with the Unified Soil Classification System (USCS).

Soil sample splits collected from throughout the soil profile were transferred to resealable polyethylene bags for field headspace analysis. The bagged samples were qualitatively field screened for the presence of ionizable organic compounds (IOCs) using an MSA Instrument Division, Passport PID Organic Vapor Monitor photoionization detector (PID). The PID was calibrated against an isobutylene gas standard of 100 parts per million (ppm). PID readings are expressed in isobutylene equivalent instrument units (IUs).

Soil sample splits were obtained from the bore hole samples for potential laboratory analysis based on field observations, such as PID measurements and soil staining. (Fuel oil odors were initially observed, however, solvent-type odors became recognizable after creation of headspace.) PID readings ranged from 0 to 2,234 IUs, indicating the likely presence of hydrocarbon contaminants. PID readings are presented on the attached bore logs. Two (2) soil samples, one (1) from GP-1 and one (1) from GP-3, were preserved in the field and kept on ice or refrigerated until delivery to the N.E.T., Inc., laboratory, Watertown, Wisconsin. The soil samples were delivered by courier under Chain of Custody to the laboratory and analyzed for diesel range organics (DRO) and volatile organic compounds (VOCs) by EPA method SW8260B.

Groundwater Sampling

Groundwater at the Site was anticipated to be encountered between eight (8) and 11 feet below ground level ("bgl"), based on information from previously investigated sites in the Oakfield area. Groundwater sampling protocol included the use of stainless steel retractable screen device with 0.010" slots, 1/4" disposable polyethylene tubing, and a peristaltic pump. The retractable screen sampling device was inserted into GP-1 and pushed to a pre-determined depth of 16-feet bgl or 8 feet below the expected groundwater table, to allow for adequate influx of groundwater. The screen was retracted with a twist and upwards pulling motion, thus exposing the screen to the saturated interval. Groundwater was pumped from the screen with a peristaltic pump and disposable polyethylene tubing until sediment-free water was produced. Upon producing sediment-free water, a representative groundwater sample was collected by direct transfer of groundwater to 40 ml vials containing HCL preservative. The vials were labeled, recorded on chain of custody, and placed on ice or kept refrigerated until delivery via courier to N.E.T., Inc. Laboratory analysis for groundwater quality included VOC analysis by EPA method SW8260B.

Investigative Results

Results of the limited investigation indicate the following:

- * Bore holes GP-1 and GP-2 were installed within the apparent former tank basin as backfill materials were encountered in the upper soil profile.
- * The bottom of the tank basin appears to be 10' to 11' bgl.
- * GP-3 was apparently installed in native soil off the east end of the UST basin.
- * Native sediments at the site, as encountered in GP-3, consist of silty clay loam (topsoil) with a clayey silt subbase to a depth of 4' bgl. Sediments below the clay/silt subbase to the maximum depth of assessment consist of brown silt and grayish brown clayey silt with scattered gravel. A well-sorted, fine-grained, sand seam is present from 11' to 12' bgl.
- * Soil moisture conditions indicate the groundwater table at the Site to occur between 6 and 8-feet bgl within the tank basin and between 10 to 12-feet bgl outside the tank basin. As may be expected, groundwater mounding appears to be occurring as a result of the more permeable backfill material in the basin surrounded by tighter, less permeable native sediments found outside the tank basin.
- * Analysis of the soil sample collected from GP-1, installed at the west end of the tank basin and immediately adjacent to the building, at a depth of 12' bgl (approximately 2' below the bottom of the former UST), shows both DRO and VOC contamination (Table 1).
- * GP-2 apparently intercepted the east end of the former UST basin. GEOPROBE® refusal was encountered at a depth of 9' bgl. Observations indicate concrete fragments used as backfill material caused probe refusal. Because of the GEOPROBE® refusal, no soil sample was taken from GP-2.
- * Analysis of the soil sample collected from GP-3, installed within the native sediments between the east end of the tank basin and First Street at a depth of 12' bgl, shows very high concentration of VOCs and some DRO (Table 1).
- * The groundwater sample collected from GP-1 contained VOCs with concentrations above the NR 140.10 Groundwater Quality Standards as noted in Table 2.

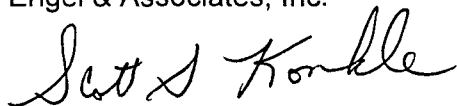
Conclusions and Recommendations

Based on results of the limited investigation conducted at the Site as presented herein, groundwater has been significantly impacted with petroleum and chlorinated compounds at concentrations exceeding NR 140.10, Wisconsin Administrative Code (WAC) Groundwater Quality Standards.

Under Section 292.11, Wisconsin Statutes (hazardous substance spills law), if groundwater contamination in excess of NR 140.10 Public Health Groundwater Quality Standards is known to exist at a site it must be reported to the Wisconsin Department of Natural Resources (WDNR). At this time, ENGEL recommends reporting the release of petroleum and chlorinated based substances into soil and groundwater to the WDNR in accordance with state requirements.

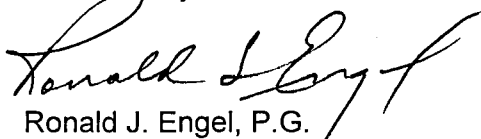
We appreciate the opportunity to have performed this site assessment for you. If you have any questions about the limited site investigation performed or the results thereof, please contact Ron Engel or myself at (920) 929-9279.

Sincerely,
Engel & Associates, Inc.



Scott G. Konkle
Environmental Specialist

Reviewed by,



Ronald J. Engel, P.G.
President

enclosures

TABLE 1
SOIL ANALYTICAL RESULTS
OAKFIELD PROPERTIES, INC.

Sample Identification	GP1-12'	GP3-12'	NR 720 Soil Criteria
Sample Number	312181	312182	
Date	8/20/98	8/20/98	
DRO, (mg/Kg)	961	77	100 mg/kg
VOC (ug/L) Detectable Parameters			
Bromomethane (ug/L)	<123	<5600	N/A
sec-Butylbenzene (ug/L)	813	<1400	N/A
cis -1,2-Dichlorethene (ug/L)	6,030	<1400	N/A
Ethylbenzene (ug/L)	123	<1400	2,900 (ug/L)
Isopropylbenzene (ug/L)	259	<1400	N/A
p-Isopropyltoluene (ug/L)	1,600	<1400	N/A
Methylene Chloride (ug/L)	<62	8,730	N/A
Naphthalene (ug/L)	308	<1400	700 (ug/L)
n-Propylbenzene (ug/L)	591	<1400	1,500 (ug/L)
Toluene (ug/L)	110	<1400	N/A
1,1,1, - Trichlorethane (ug/L)	1,170	<1400	N/A
Trichlorethane (ug/L) <i>ug/kg</i>	<31	232,000	N/A
1,2,4 - Trimethylbenzene (ug/L)	4,930	<1400	N/A
1,3, 5 - Trimethylbenzene (ug/L)	5,050	<1400	N/A
Xylenes (ug/L)	1,970	<2000	4,100 (ug/L)

mg/kg = milligrams-per-kilogram

ug/kg = micrograms-per-kilogram

N/A = Not applicable, No Current Standard Exists

TABLE 2
GROUNDWATER ANALYTICAL RESULTS
OAKFIELD PROPERTIES, INC.

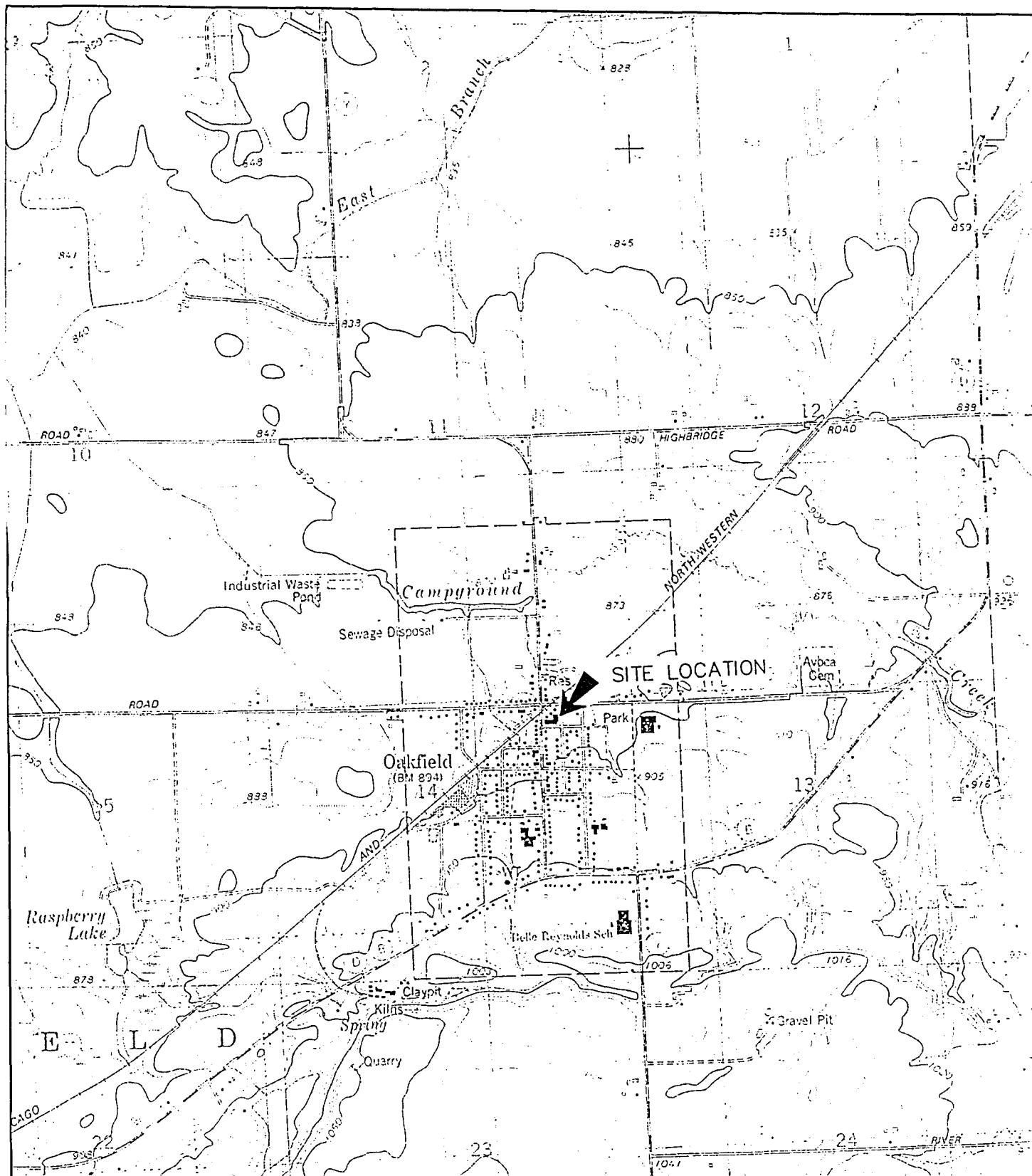
PARAMETER	August 20, 1998	WDNR NR 140 Groundwater Quality Standards	
	B1	PAL	ES
<u>VOC (ug/l)</u> (Detectable Parameters)			
Chloroform	8.5	0.6	6
1,1 - Dichloroethane	2,800	85	850
1,2 - Dichloroethane	160	0.5	5
1,1 - Dichloroethene	26	0.7	7
Cis - 1,2 - Dichloroethene	24,000	7	70
trans - 1,2 -	140	20	100
Methylene Chloride	30	0.5	5
Toluene	22	68.6	343
1,1,1 - Trichloroethane	700	40	200
1,1,2 - Trichloroethane	31	0.5	5
Trichlorethene (TCE)	11	0.5	5
1,2,4 - Trimethylbenzene	95	N/A	N/A
1,3,5 -Trimethylbenzene	75	N/A	N/A
Vinyl Chloride	600	0.02	0.2
Xylenes, Total	120	124	620

ug/l = micrograms-per-liter VOC = volatile organic compounds

PAL = preventive action limit ES = enforcement standard

N/A = not applicable - no groundwater quality standard exists for referenced compound

Bold indicates an ES exceedance



CADASTRAL LOCATION:

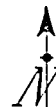
NE 1/4 NE 1/4 SEC 14 T14N R16E
Town of Oakfield
Fond du Lac County, WI

ELP

202459

RESOURCE:

Oakfield 7.5' Quadrangle
NE/4 Waupun 15' Quadrangle
U. S. GEOLOGICAL SURVEY



275-01

FIGURE:

1

Site Location

Oakfield Properties

Oakfield, WI

ENGEL & ASSOCIATES, INC.

N4737 Highway 175 S
Fond du Lac, WI 54937

920-929-9279

Fax: 920-929-8754

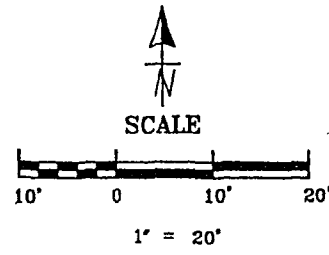
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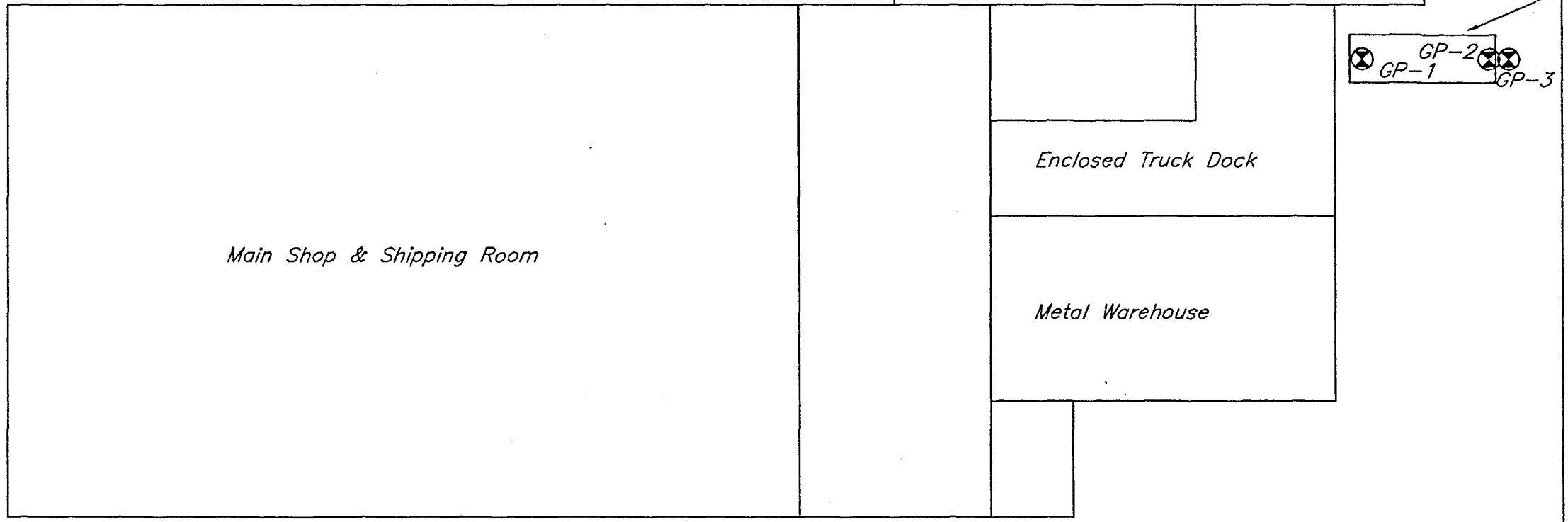
Revision History

INITIALS	DATE
AH	9/8/98

Scale: 1:24,000



LEGEND			
MW-B1	Monitoring Well	GP-1	GeoProbe/
RW-1	Recovery Well	SB-1	Soil Borings
AE-1	Air Intake or Vapor Extraction Well		Private Water Supply Well
Building	MH	Manhole	
Benchmark	PK-PP	Power Pole	
Cross Section	CS	Survey Point	
UST	Underground Storage Tank	Catch Basin	
SA	Sanitary Line		
ST	Storm Sewer		
W	Water Line		
G	Gas Line		
OE	Overhead Electric Line		
OT	Overhead Telephone Line		



Former 6,000
Gallon UST

First Street

Hubbard Street

FILE NUMBER	oakfield-plot1
ENGEL & ASSOCIATES, INC.	
N4737 HIGHWAY 175 S. FOND DU LAC, WI 54937	
920-929-9279	FAX: 920-929-8754
Site Plan Map	
Oakfield Properties	
Oakfield, Wisconsin	
275-01	
FIGURE	
2	

- ☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ☐ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Superfund ☒ Other WONR

Facility/Project Name <u>Oakfield Properties</u>		License/Permit/Monitoring Number _____		Boring Number <u>GP-1</u>	
Boring Drilled By (Firm name and name of crew chief) <u>STATA Morph</u>		Date Drilling Started <u>08/20/198</u> M M D D Y Y		Date Drilling Completed <u>08/20/198</u> M M D D Y Y	
DNR Facility Well No. _____		WI Unique Well No. _____		Common Well Name _____	
Final Static Water Level _____ Feet MSL		Surface Elevation _____ Feet MSL		Borehole Diameter <u>2.25</u> inches	
Boring Location State Plane _____ N, _____ E S/C/N		Lat _____		Local Grid Location (If applicable) ☐ N ☐ E ☐ S ☐ W	
NE 1/4 of NE 1/4 of Section <u>14</u> , T <u>14</u> N, R <u>16</u> W		Long _____		Feet _____	
County <u>Fond du Lac</u>		DNR County Code _____		Civil Town/City/ or Village <u>Oakfield</u>	

Sample Number and Type	Length Att. & Recovered (m)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					ROD/Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	odor y/n	
1	48"		2	Gravel Backfill				0.0	m				N	
2	48'		6	Gravel Backfill				0.0	m/w				N	
			8	6'-7' Reddish Brown silty clay	CL			0.0	w					
			10	Backfill - Fine Grained Gravels	SP			32	w				N	
3	48"		12	8'-9' Gravel Backfill				164	m/w			*	Y	
			14	9'-11.0' Gray Clayey SILTS				2234				*	Y	ORO/UOC
			16	11' Gray Fine Grained Sand well sorted	SP			52	w			*	slight	
4	48'		18	Gray Fine Sand	SM			44	w			*	slight	
			20	12'- Gray Sandy SILT	ML									
			22	15'- Clayey SILT, Grayish Brown, w/Gravel										
			24	16' E.O.B										
			26	Collected water sample @ 16' w/retractable well screen well abandon w/bentonite										

* = Initial odors that of Fuel oil. Solvent like odors FIRST noticed during headspace readings

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

Stata Morph

Firm

Engel + Associates

This form is authorized by Chapters 144.147 and 162, Wis. Stats. Completion of this report is mandatory. Penalties: Forfeit not less than \$10 nor more than \$5,000 for each violation. Fined not less than \$10 or more than \$100 or imprisoned not less than 30 days, or both for each violation. Each day of continued violation is a separate offense, pursuant to ss 144.99 and 162.06, Wis. Stats.

- ☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ☐ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Superfund ☒ Other WDR

Facility/Project Name <u>Oakfield Properties</u>		License/Permit/Monitoring Number _____		Boring Number <u>GP-2</u>	
Boring Drilled By (Firm name and name of crew chief) <u>Strata Morph</u>		Date Drilling Started <u>08/20/198</u> M M D D Y Y		Date Drilling Completed <u>08/20/198</u> M M D D Y Y	
DNR Facility Well No. _____		WI Unique Well No. _____		Common Well Name _____	
Final Static Water Level _____ Feet MSL		Surface Elevation _____ Feet MSL		Borehole Diameter _____ inches	
Boring Location State Plane _____ N, _____ E S/C/N		Lat _____		Local Grid Location (If applicable) ☐ N ☐ E ☐ S ☐ W	
NE 1/4 of NE 1/4 of Section <u>14</u> , T <u>14</u> N, R <u>16</u> EW		Long _____		Feet _____	
County <u>Fond du Lac</u>		DNR County Code _____		Civil Town/City/ or Village <u>Dodge</u>	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					Other Notes	ROD/Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index			
1	49'		2	0-3' Gravel Backfill				0.0		M				N	
			4	3' Reddish Brown Silty Clay	CL										
2	48"		6	Reddish Brown Silty Clay						M/W				N	
			8	7' Gravel, well sorted Appears to be backfill	CL			0.0		W				N	
3	12"		9	Brown Clayey gravels well sorted	GC			0.0		W				N	
				9' Bore Refusal E.O.B											
				Suspect Concrete from UST Removal (backfill)											

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

Scott S. Koble

Firm

Engel + Associates

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- ☐ Solid Waste ☐ Haz. Waste
☐ Emergency Response ☐ Underground Tanks
☐ Wastewater ☐ Water Resources
☐ Superfund ☒ Other WDR

Facility/Project Name <u>Oakfield Properties</u>		License/Permit/Monitoring Number		Boring Number <u>CP-3</u>	
Boring Drilled By (Firm name and name of crew chief) <u>Strata Morph</u>		Date Drilling Started <u>08/20/98</u> M M D D Y Y		Date Drilling Completed <u>08/20/98</u> M M D D Y Y	
DNR Facility Well No.		WI Unique Well No.		Common Well Name	
Final Static Water Level Feet MSL		Surface Elevation Feet MSL		Borehole Diameter <u>2.25</u> inches	
Boring Location State Plane <u>N</u> , <u>E</u> S/C/N Lat <u>0</u> ° <u>0</u> ' <u>0</u> "		Local Grid Location (If applicable) ☐ N ☐ E ☐ S ☐ W			
1/4 of <u>1</u> 1/4 of Section <u>1</u> , T <u>N</u> R <u>E</u> W Long <u>0</u> ° <u>0</u> ' <u>0</u> "		County <u>Fond du Lac</u> DNR County Code <u>01</u> Civil Town/City/ or Village <u>Oakfield</u>			

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	odor y/n	
1	48"		2	0-2 Gravel Backfill	Gm									
			4	2'-3' Reddish Brown Silty Clay clayey	CL			0.0	m				N	
			4	3-4' SILT Light Brown, w/trace of gravel										
2	48"		6	SILT, Light Brown, w/some Gravel	mH			0.0	m				N	
			8											
3	48"		10	Brown Silty Clay w/gravel	CL			0.0	m				N	
			12	11' Sand, Brown, Fine grained,	SP			323	w			*	Slight	
4			14	Clayey SILT, Grayish Brown, w/ some Gravel	ML			0.0	m/w				N	
			16											
				16' E.O.B.										

* = Slight Fuel oil odor initially. Solvent like odors noticed during headspace readings.

I hereby certify that the information on this form is true and correct to the best of my knowledge.

Signature

Scott S. Korb

Firm

Engel & Associates

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NATIONAL
ENVIRONMENTAL
TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094

Tel: (920) 261-1660
Fax: (920) 261-8120
WDNR No. 128053530

ANALYTICAL AND QUALITY CONTROL REPORT

Mr. Scott Konkle
ENGEL & ASSOCIATES, INC.
N4737 Highway 175 South
Fond du Lac, WI 54937

08/31/1998

Job No: 98.07700

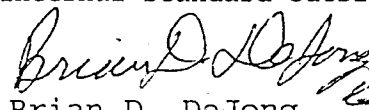
Page 1

Enclosed are the Analytical and Quality Control reports for the following samples submitted for analysis:

Sample Number	Sample Description	Date Taken	Date Received
312188	GP-1 #275-01 Oakfield	08/20/1998	08/21/1998
312189	Trip Blank #275-01 Oakfield	08/20/1998	08/21/1998

Soil results are reported on a dry weight basis. The above sample(s) may have a result flag shown on the report. The following are the result flag definitions:

A = Analyzed/extracted past hold time	B = Blank is contaminated
C = Standard outside of control limits	D = Diluted for analysis
F = Sample filtered in lab	G = Received past hold time
H = Late eluting hydrocarbons present	I = Improperly handled sample
J = Estimated concentration	L = Common lab solvent and contaminant
M = Matrix interference	P = Improperly preserved sample
Q = Result confirmed via re-analysis	S = Sediment present
T = Does not match typical pattern	W = BOD re-set due to missed dilution
X = Unidentified compound(s) present	Z = Internal standard outside limits


Brian D. DeJong
Organic Operations Manager



NATIONAL
ENVIRONMENTAL
TESTING, INC.

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094

Tel: (920) 261-1660
Fax: (920) 261-8120
WDNR No. 128053530

ANALYTICAL REPORT

Mr. Scott Konkle
ENGEL & ASSOCIATES, INC.
N4737 Highway 175 South
Fond du Lac, WI 54937

08/31/1998
Job No: 98.07700
Sample No: 312188
Account No: 27107
Page 2

JOB DESCRIPTION: #275-01 Oakfield Properties
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: GP-1 #275-01 Oakfield
Rec'd 1 degree C

Date Taken: 08/20/1998 11:40

Date Received: 08/21/1998

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.50	ug/L	0.10	0.33	SW 8260B	08/27/1998	1352
Bromobenzene	<1.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
Bromochloromethane	<1.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
Bromodichloromethane	<1.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
Bromoform	<1.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
Bromomethane	<1.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
n-Butylbenzene	8.5	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
sec-Butylbenzene	4.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
tert-Butylbenzene	<1.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
Carbon Tetrachloride	<1.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
Chlorobenzene	<1.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
Chlorodibromomethane	<1.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
Chloroethane	<1.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
Chloroform	8.5	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
Chloromethane	<1.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
2-Chlorotoluene	<0.50	ug/L	0.10	0.33	SW 8260B	08/27/1998	1352
4-Chlorotoluene	<1.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
1,2-Dibromo-3-Chloropropane	<1.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
1,2-Dibromoethane (EDB)	<1.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
Dibromomethane	<1.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
1,2-Dichlorobenzene	<1.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
1,3-Dichlorobenzene	<1.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
1,4-Dichlorobenzene	<1.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
Dichlorodifluoromethane	<1.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
1,1-Dichloroethane	2,800	ug/L	0.25	0.83	SW 8260B	08/28/1998	1353
1,2-Dichloroethane	160	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
1,1-Dichloroethene	26	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
cis-1,2-Dichloroethene	24,000	ug/L	0.25	0.83	SW 8260B	08/28/1998	1353
trans-1,2-Dichloroethene	140	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
1,2-Dichloropropane	<1.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
1,3-Dichloropropane	<1.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
2,2-Dichloropropane	<1.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
1,1-Dichloropropene	<1.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
cis-1,3-Dichloropropene	<1.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352



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WDNR No. 128053530

ANALYTICAL REPORT

Mr. Scott Konkle
ENGEL & ASSOCIATES, INC.
N4737 Highway 175 South
Fond du Lac, WI 54937

08/31/1998
Job No: 98.07700
Sample No: 312188
Account No: 27107
Page 3

JOB DESCRIPTION: #275-01 Oakfield Properties
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: GP-1 #275-01 Oakfield
Rec'd 1 degree C

Date Taken: 08/20/1998 11:40

Date Received: 08/21/1998

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
trans-1,3-Dichloropropene	<1.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
Di-isopropyl ether	<1.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
Ethylbenzene	6.5	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
Hexachlorobutadiene	<1.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
Isopropylbenzene	C 3.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
p-Isopropyltoluene	9.0	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
Methylene Chloride	L 30	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
Methyl-t-butyl ether	<1.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
Naphthalene	9.0	ug/L	0.10	0.33	SW 8260B	08/27/1998	1352
n-Propylbenzene	4.4	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
Styrene	<1.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
1,1,1,2-Tetrachloroethane	<1.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
1,1,2,2-Tetrachloroethane	<1.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
Tetrachloroethene	<1.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
Toluene	22	ug/L	0.10	0.33	SW 8260B	08/27/1998	1352
1,2,3-Trichlorobenzene	<1.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
1,2,4-Trichlorobenzene	<1.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
1,1,1-Trichloroethane	700	ug/L	0.25	0.83	SW 8260B	08/28/1998	1353
1,1,2-Trichloroethane	31	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
Trichloroethene	11	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
Trichlorofluoromethane	<1.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
1,2,3-Trichloropropane	<1.2	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
1,2,4-Trimethylbenzene	95	ug/L	0.10	0.33	SW 8260B	08/27/1998	1352
1,3,5-Trimethylbenzene	75	ug/L	0.10	0.33	SW 8260B	08/27/1998	1352
Vinyl Chloride	600	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
Xylenes, Total	120	ug/L	0.25	0.83	SW 8260B	08/27/1998	1352
Surr: Dibromofluoromethane	100.8	%	n/a	n/a	SW 8260B	08/27/1998	1352
Surr: Toluene-d8	97.2	%	n/a	n/a	SW 8260B	08/27/1998	1352
Surr: Bromofluorobenzene	103.4	%	n/a	n/a	SW 8260B	08/27/1998	1352



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ANALYTICAL REPORT

Mr. Scott Konkle
ENGEL & ASSOCIATES, INC.
N4737 Highway 175 South
Fond du Lac, WI 54937

08/31/1998
Job No: 98.07700
Sample No: 312189
Account No: 27107
Page 4

JOB DESCRIPTION: #275-01 Oakfield Properties
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: Trip Blank #275-01 Oakfield
Rec'd 1 degree C

Date Taken: 08/20/1998

Date Received: 08/21/1998

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/in Batch
VOC - AQUEOUS - EPA 8260B							
Benzene	<0.10	ug/L	0.10	0.33	SW 8260B	08/26/1998	1351
Bromobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
Bromochloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
Bromodichloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
Bromoform	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
Bromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
n-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
sec-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
tert-Butylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
Carbon Tetrachloride	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
Chlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
Chlorodibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
Chloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
Chloroform	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
Chloromethane	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
2-Chlorotoluene	<0.10	ug/L	0.10	0.33	SW 8260B	08/26/1998	1351
4-Chlorotoluene	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
1,2-Dibromo-3-Chloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
1,2-Dibromoethane (EDB)	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
Dibromomethane	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
1,2-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
1,3-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
1,4-Dichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
Dichlorodifluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
1,1-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
1,2-Dichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
1,1-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
cis-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
trans-1,2-Dichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
1,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
1,3-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
2,2-Dichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
1,1-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
cis-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351



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ANALYTICAL REPORT

Mr. Scott Konkle
ENGEL & ASSOCIATES, INC.
N4737 Highway 175 South
Fond du Lac, WI 54937

08/31/1998
Job No: 98.07700
Sample No: 312189
Account No: 27107
Page 5

JOB DESCRIPTION: #275-01 Oakfield Properties
PROJECT DESCRIPTION: Groundwater Analysis
SAMPLE DESCRIPTION: Trip Blank #275-01 Oakfield
Rec'd 1 degree C

Date Taken: 08/20/1998

Date Received: 08/21/1998

Parameter	Results	Units	MDL	LOQ	Method	Date Analyzed	Prep/Run Batch
trans-1,3-Dichloropropene	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
Di-isopropyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
Ethylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
Hexachlorobutadiene	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
Isopropylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
p-Isopropyltoluene	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
Methylene Chloride	L 2.4	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
Methyl-t-butyl ether	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
Naphthalene	<0.10	ug/L	0.10	0.33	SW 8260B	08/26/1998	1351
n-Propylbenzene	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
Styrene	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
1,1,1,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
1,1,2,2-Tetrachloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
Tetrachloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
Toluene	<0.10	ug/L	0.10	0.33	SW 8260B	08/26/1998	1351
1,2,3-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
1,2,4-Trichlorobenzene	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
1,1,1-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
1,1,2-Trichloroethane	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
Trichloroethene	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
Trichlorofluoromethane	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
1,2,3-Trichloropropane	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
1,2,4-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	08/26/1998	1351
1,3,5-Trimethylbenzene	<0.10	ug/L	0.10	0.33	SW 8260B	08/26/1998	1351
Vinyl Chloride	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
Xylenes, Total	<0.25	ug/L	0.25	0.83	SW 8260B	08/26/1998	1351
Surr: Dibromofluoromethane	101.8	%	n/a	n/a	SW 8260B	08/26/1998	1351
Surr: Toluene-d8	100.6	%	n/a	n/a	SW 8260B	08/26/1998	1351
Surr: Bromofluorobenzene	99.0	%	n/a	n/a	SW 8260B	08/26/1998	1351



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WDNR No. 128053530

QUALITY CONTROL REPORT

BLANKS

08/31/1998

Mr. Scott Konkle
ENGEL & ASSOCIATES, INC.
N4737 Highway 175 South
Fond du Lac, WI 54937

Job No: 98.07700
Account No: 27107

Page 6

Job Description: #275-01 Oakfield Properties

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units	Date Prepped
VOC - AQUEOUS - EPA 8260B							
Benzene		1351	<0.10	0.10	0.33	ug/L	
Bromobenzene		1351	<0.25	0.25	0.83	ug/L	
Bromochloromethane		1351	<0.25	0.25	0.83	ug/L	
Bromodichloromethane		1351	<0.25	0.25	0.83	ug/L	
Bromoform		1351	<0.25	0.25	0.83	ug/L	
Bromomethane		1351	<0.25	0.25	0.83	ug/L	
n-Butylbenzene		1351	<0.25	0.25	0.83	ug/L	
sec-Butylbenzene		1351	<0.25	0.25	0.83	ug/L	
tert-Butylbenzene		1351	<0.25	0.25	0.83	ug/L	
Carbon Tetrachloride		1351	<0.25	0.25	0.83	ug/L	
Chlorobenzene		1351	<0.25	0.25	0.83	ug/L	
Chlorodibromomethane		1351	<0.25	0.25	0.83	ug/L	
Chloroethane		1351	<0.25	0.25	0.83	ug/L	
Chloroform		1351	<0.25	0.25	0.83	ug/L	
Chloromethane		1351	<0.25	0.25	0.83	ug/L	
2-Chlorotoluene		1351	<0.10	0.10	0.33	ug/L	
4-Chlorotoluene		1351	<0.25	0.25	0.83	ug/L	
1,2-Dibromo-3-Chloropropane		1351	<0.25	0.25	0.83	ug/L	
1,2-Dibromoethane (EDB)		1351	<0.25	0.25	0.83	ug/L	
Dibromomethane		1351	<0.25	0.25	0.83	ug/L	
1,2-Dichlorobenzene		1351	<0.25	0.25	0.83	ug/L	
1,3-Dichlorobenzene		1351	<0.25	0.25	0.83	ug/L	
1,4-Dichlorobenzene		1351	<0.25	0.25	0.83	ug/L	
Dichlorodifluoromethane		1351	<0.25	0.25	0.83	ug/L	
1,1-Dichloroethane		1351	<0.25	0.25	0.83	ug/L	
1,2-Dichloroethane		1351	<0.25	0.25	0.83	ug/L	
1,1-Dichloroethene		1351	<0.25	0.25	0.83	ug/L	
cis-1,2-Dichloroethene		1351	<0.25	0.25	0.83	ug/L	
trans-1,2-Dichloroethene		1351	<0.25	0.25	0.83	ug/L	
1,2-Dichloropropane		1351	<0.25	0.25	0.83	ug/L	
1,3-Dichloropropane		1351	<0.25	0.25	0.83	ug/L	
2,2-Dichloropropane		1351	<0.25	0.25	0.83	ug/L	
1,1-Dichloropropene		1351	<0.25	0.25	0.83	ug/L	
cis-1,3-Dichloropropene		1351	<0.25	0.25	0.83	ug/L	
trans-1,3-Dichloropropene		1351	<0.25	0.25	0.83	ug/L	
Di-isopropyl ether		1351	<0.25	0.25	0.83	ug/L	
Ethylbenzene		1351	<0.25	0.25	0.83	ug/L	
Hexachlorobutadiene		1351	<0.25	0.25	0.83	ug/L	



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QUALITY CONTROL REPORT

BLANKS

Mr. Scott Konkle
ENGEL & ASSOCIATES, INC.
N4737 Highway 175 South
Fond du Lac, WI 54637

08/31/1998

Job No: 98.07700
Account No: 27107

Page 7

Job Description: #275-01 Oakfield Properties

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units	Date Prepped
Isopropylbenzene		1351	<0.25	0.25	0.83	ug/L	
p-Isopropyltoluene		1351	<0.25	0.25	0.83	ug/L	
Methylene Chloride		1351	1.2	0.25	0.83	ug/L	
Methyl-t-butyl ether		1351	<0.25	0.25	0.83	ug/L	
Naphthalene		1351	<0.10	0.10	0.33	ug/L	
n-Propylbenzene		1351	<0.25	0.25	0.83	ug/L	
Styrene		1351	<0.25	0.25	0.83	ug/L	
1,1,1,2-Tetrachloroethane		1351	<0.25	0.25	0.83	ug/L	
1,1,2,2-Tetrachloroethane		1351	<0.25	0.25	0.83	ug/L	
Tetrachloroethene		1351	<0.25	0.25	0.83	ug/L	
Toluene		1351	<0.10	0.10	0.33	ug/L	
1,2,3-Trichlorobenzene		1351	<0.25	0.25	0.83	ug/L	
1,2,4-Trichlorobenzene		1351	<0.25	0.25	0.83	ug/L	
1,1,1-Trichloroethane		1351	<0.25	0.25	0.83	ug/L	
1,1,2-Trichloroethane		1351	<0.25	0.25	0.83	ug/L	
Trichloroethene		1351	<0.25	0.25	0.83	ug/L	
Trichlorofluoromethane		1351	<0.25	0.25	0.83	ug/L	
1,2,3-Trichloropropane		1351	<0.25	0.25	0.83	ug/L	
1,2,4-Trimethylbenzene		1351	<0.10	0.10	0.33	ug/L	
1,3,5-Trimethylbenzene		1351	<0.10	0.10	0.33	ug/L	
Vinyl Chloride		1351	<0.25	0.25	0.83	ug/L	
Xylenes, Total		1351	<0.25	0.25	0.83	ug/L	
Surr: Dibromofluoromethane		1351	100.6	n/a	n/a	%	
Surr: Toluene-d8		1351	101.4	n/a	n/a	%	
Surr: Bromofluorobenzene		1351	99.8	n/a	n/a	%	
VOC - AQUEOUS - EPA 8260B							
Benzene		1353	<0.10	0.10	0.33	ug/L	
Bromobenzene		1353	<0.25	0.25	0.83	ug/L	
Bromochloromethane		1353	<0.25	0.25	0.83	ug/L	
Bromodichloromethane		1353	<0.25	0.25	0.83	ug/L	
Bromoform		1353	<0.25	0.25	0.83	ug/L	
Bromomethane		1353	<0.25	0.25	0.83	ug/L	
n-Butylbenzene		1353	<0.25	0.25	0.83	ug/L	
sec-Butylbenzene		1353	<0.25	0.25	0.83	ug/L	
tert-Butylbenzene		1353	<0.25	0.25	0.83	ug/L	
Carbon Tetrachloride		1353	<0.25	0.25	0.83	ug/L	
Chlorobenzene		1353	<0.25	0.25	0.83	ug/L	
Chlorodibromomethane		1353	<0.25	0.25	0.83	ug/L	
Chloroethane		1353	<0.25	0.25	0.83	ug/L	



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WDNR No. 128053530

QUALITY CONTROL REPORT

BLANKS

08/31/1998

Mr. Scott Konkle
ENGEL & ASSOCIATES, INC.
N4737 Highway 175 South
Fond du Lac, WI 54937

Job No: 98.07700
Account No: 27107

Page 8

Job Description: #275-01 Oakfield Properties

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units	Date Prepped
Chloroform		1353	<0.25	0.25	0.83	ug/L	
Chloromethane		1353	<0.25	0.25	0.83	ug/L	
2-Chlorotoluene		1353	<0.10	0.10	0.33	ug/L	
4-Chlorotoluene		1353	<0.25	0.25	0.83	ug/L	
1,2-Dibromo-3-Chloropropane		1353	<0.25	0.25	0.83	ug/L	
1,2-Dibromoethane (EDB)		1353	<0.25	0.25	0.83	ug/L	
Dibromomethane		1353	<0.25	0.25	0.83	ug/L	
1,2-Dichlorobenzene		1353	<0.25	0.25	0.83	ug/L	
1,3-Dichlorobenzene		1353	<0.25	0.25	0.83	ug/L	
1,4-Dichlorobenzene		1353	<0.25	0.25	0.83	ug/L	
Dichlorodifluoromethane		1353	<0.25	0.25	0.83	ug/L	
1,1-Dichloroethane		1353	<0.25	0.25	0.83	ug/L	
1,2-Dichloroethane		1353	<0.25	0.25	0.83	ug/L	
1,1-Dichloroethene		1353	<0.25	0.25	0.83	ug/L	
cis-1,2-Dichloroethene		1353	<0.25	0.25	0.83	ug/L	
trans-1,2-Dichloroethene		1353	<0.25	0.25	0.83	ug/L	
1,2-Dichloropropane		1353	<0.25	0.25	0.83	ug/L	
1,3-Dichloropropane		1353	<0.25	0.25	0.83	ug/L	
2,2-Dichloropropane		1353	<0.25	0.25	0.83	ug/L	
1,1-Dichloropropene		1353	<0.25	0.25	0.83	ug/L	
cis-1,3-Dichloropropene		1353	<0.25	0.25	0.83	ug/L	
trans-1,3-Dichloropropene		1353	<0.25	0.25	0.83	ug/L	
Di-isopropyl ether		1353	<0.25	0.25	0.83	ug/L	
Ethylbenzene		1353	<0.25	0.25	0.83	ug/L	
Hexachlorobutadiene		1353	<0.25	0.25	0.83	ug/L	
Isopropylbenzene		1353	<0.25	0.25	0.83	ug/L	
p-Isopropyltoluene		1353	<0.25	0.25	0.83	ug/L	
Methylene Chloride		1353	4.9	0.25	0.83	ug/L	
Methyl-t-butyl ether		1353	<0.25	0.25	0.83	ug/L	
Naphthalene		1353	<0.10	0.10	0.33	ug/L	
n-Propylbenzene		1353	<0.25	0.25	0.83	ug/L	
Styrene		1353	<0.25	0.25	0.83	ug/L	
1,1,1,2-Tetrachloroethane		1353	<0.25	0.25	0.83	ug/L	
1,1,2,2-Tetrachloroethane		1353	<0.25	0.25	0.83	ug/L	
Tetrachloroethene		1353	<0.25	0.25	0.83	ug/L	
Toluene		1353	<0.10	0.10	0.33	ug/L	
1,2,3-Trichlorobenzene		1353	<0.25	0.25	0.83	ug/L	
1,2,4-Trichlorobenzene		1353	<0.25	0.25	0.83	ug/L	
1,1,1-Trichloroethane		1353	<0.25	0.25	0.83	ug/L	



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WDNR No. 128053530

QUALITY CONTROL REPORT

BLANKS

Mr. Scott Konkle
ENGEL & ASSOCIATES, INC.
N4737 Highway 175 South
Fond du Lac, WI 54937

08/31/1998

Job No: 98.07700
Account No: 27107

Page 9

Job Description: #275-01 Oakfield Properties

Parameter	Prep Batch	Run Batch	Blank Result	MDL	LOQ	Units	Date Prepped
1,1,2-Trichloroethane		1353	<0.25	0.25	0.83	ug/L	
Trichloroethene		1353	<0.25	0.25	0.83	ug/L	
Trichlorofluoromethane		1353	<0.25	0.25	0.83	ug/L	
1,2,3-Trichloropropane		1353	<0.25	0.25	0.83	ug/L	
1,2,4-Trimethylbenzene		1353	<0.10	0.10	0.33	ug/L	
1,3,5-Trimethylbenzene		1353	<0.10	0.10	0.33	ug/L	
Vinyl Chloride		1353	<0.25	0.25	0.83	ug/L	
Xylenes, Total		1353	<0.25	0.25	0.83	ug/L	
Surr: Dibromofluoromethane		1353	105.8	n/a	n/a	%	
Surr: Toluene-d8		1353	92.8	n/a	n/a	%	
Surr: Bromofluorobenzene		1353	89.8	n/a	n/a	%	



COMPANY Engel & Associates, Inc
ADDRESS _____
PHONE _____ FAX _____
PROJECT NAME/LOCATION Oakfield Properties
PROJECT NUMBER 275-01
PROJECT MANAGER Scott G. Kunkle

REPORT TO: Engel
INVOICE TO: Engel
P.O. NO. _____
NET QUOTE NO. _____

SAMPLED BY Scott G Kunkle Scott Kunkle
(PRINT NAME) SIGNATURE

(PRINT NAME) SIGNATURE

ANALYSES

To assist us in selecting the proper method

Is this work being conducted for regulatory compliance monitoring? Yes _____ No _____

Is this work being conducted for regulatory enforcement action? Yes _____ No _____

Which regulations apply: RCRA _____ NPDES Wastewater _____
UST _____ Drinking Water _____
Other _____ None _____

COMMENTS

DATE	TIME	SAMPLE ID/DESCRIPTION	MATRIX	GRAB	COMP	HCl	NaOH	HNO ₃	H ₂ SO ₄	OTHER	PRO	VOC	OTO5
8/29/98	1100	GP1-12'	S	X					3		X	X	X
1	1310	GP3-12'	S	X					3		X	X	X
		Trip Blank											
8/29/98	1140	GP-1	W	X		X			3		X		
		Trip Blank				X			2		X		

CONDITION OF SAMPLE: BOTTLES INTACT? YES / NO
FIELD FILTERED? YES / NO

COC SEALS PRESENT AND INTACT? YES / NO
VOLATILES FREE OF HEADSPACE? YES / NO

TEMPERATURE UPON RECEIPT: 10
Bottles supplied by NET? (YES) NO

SAMPLE REMAINDER DISPOSAL: RETURN SAMPLE REMAINDER TO CLIENT VIA _____
I REQUEST NET TO DISPOSE OF ALL SAMPLE REMAINDERS

DATE 8/20/98 ⁸⁸ 8/21/98 1421

RELINQUISHED BY:

DATE _____

TIME

RECEIVED BY:

RELINQUISHED BY:

DATE

TIME

RECEIVED FOR NET BY:

METHOD OF SHIPMENT	
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REMARKS:

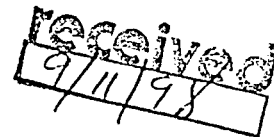


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ANALYTICAL AND QUALITY CONTROL REPORT



Mr. Scott Konkle
ENGEL & ASSOCIATES, INC.
N4737 Highway 175 South
Fond du Lac, WI 54937

09/08/1998

Job No: 98.07697

Page 1

Enclosed are the Analytical and Quality Control reports for the following samples submitted for analysis:

Sample Number	Sample Description	Date Taken	Date Received
312181	GP-1 12' #275-01 Oakfield	08/20/1998	08/21/1998
312182	GP-3 12' #275-01 Oakfield	08/20/1998	08/21/1998
312183	Trip Blank #275-01 Oakfield	08/20/1998	08/21/1998

Soil results are reported on a dry weight basis. The above sample(s) may have a result flag shown on the report. The following are the result flag definitions:

A = Analyzed/extracted past hold time
C = Standard outside of control limits
F = Sample filtered in lab
H = Late eluting hydrocarbons present
J = Estimated concentration
M = Matrix interference
Q = Result confirmed via re-analysis
T = Does not match typical pattern
X = Unidentified compound(s) present

B = Blank is contaminated
D = Diluted for analysis
G = Received past hold time
I = Improperly handled sample
L = Common lab solvent and contaminant
P = Improperly preserved sample
S = Sediment present
W = BOD re-set due to missed dilution
Z = Internal standard outside limits

Brian D. DeJong
Organic Operations Manager



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WDNR No. 128053530

ANALYTICAL REPORT

Mr. Scott Konkle
ENGEL & ASSOCIATES, INC.
N4737 Highway 175 South
Fond du Lac, WI 54937

09/08/1998
Job No: 98.07697
Sample No: 312181
Account No: 27107
Page 2

JOB DESCRIPTION: #275-01 Oakfield Properties
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: GP-1 12' #275-01 Oakfield
Rec'd 1 degree C

Date Taken: 08/20/1998 11:00

Date Received: 08/21/1998

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
Solids, Total	81.2	%	n/a	SW 5030	08/26/1998	2376
RO Extraction	08/21/98			WDNR	09/02/1998	1044
RO - NONAQUEOUS	961	mg/kg	5.0	WDNR	09/07/1998	1044 1804
VOC - METHANOL - 8260B						
benzene	<31	ug/kg	25	SW 8260B	08/27/1998	576
Bromobenzene	<31	ug/kg	25	SW 8260B	08/27/1998	576
Bromochloromethane	<31	ug/kg	25	SW 8260B	08/27/1998	576
Bromodichloromethane	<31	ug/kg	25	SW 8260B	08/27/1998	576
Bromoform	<31	ug/kg	25	SW 8260B	08/27/1998	576
Bromomethane	<123	ug/kg	100	SW 8260B	08/27/1998	576
n-Butylbenzene	<31	ug/kg	25	SW 8260B	08/27/1998	576
sec-Butylbenzene	813	ug/kg	25	SW 8260B	08/27/1998	576
tert-Butylbenzene	<31	ug/kg	25	SW 8260B	08/27/1998	576
Carbon Tetrachloride	<31	ug/kg	25	SW 8260B	08/27/1998	576
Chlorobenzene	<31	ug/kg	25	SW 8260B	08/27/1998	576
Chlorodibromomethane	<31	ug/kg	25	SW 8260B	08/27/1998	576
Chloroethane	<43	ug/kg	35	SW 8260B	08/27/1998	576
Chloroform	<31	ug/kg	25	SW 8260B	08/27/1998	576
Chloromethane	<37	ug/kg	30	SW 8260B	08/27/1998	576
p-Chlorotoluene	<31	ug/kg	25	SW 8260B	08/27/1998	576
m-Chlorotoluene	<31	ug/kg	25	SW 8260B	08/27/1998	576
1,2-Dibromo-3-Chloropropane	<62	ug/kg	50	SW 8260B	08/27/1998	576
1,2-Dibromoethane (EDB)	<31	ug/kg	25	SW 8260B	08/27/1998	576
Dibromomethane	<31	ug/kg	25	SW 8260B	08/27/1998	576
1,2-Dichlorobenzene	<31	ug/kg	25	SW 8260B	08/27/1998	576
1,3-Dichlorobenzene	<31	ug/kg	25	SW 8260B	08/27/1998	576
1,4-Dichlorobenzene	<31	ug/kg	25	SW 8260B	08/27/1998	576
Dichlorodifluoromethane	<31	ug/kg	25	SW 8260B	08/27/1998	576
1,1-Dichloroethane	603	ug/kg	25	SW 8260B	08/27/1998	576
1,2-Dichloroethane	<31	ug/kg	25	SW 8260B	08/27/1998	576
1,1-Dichloroethene	<31	ug/kg	25	SW 8260B	08/27/1998	576
cis-1,2-Dichloroethene	6,030	ug/kg	25	SW 8260B	08/27/1998	576
trans-1,2-Dichloroethene	<31	ug/kg	25	SW 8260B	08/27/1998	576
1,2-Dichloropropane	<31	ug/kg	25	SW 8260B	08/27/1998	576
2,3-Dichloropropane	<31	ug/kg	25	SW 8260B	08/27/1998	576
2,2-Dichloropropane	<31	ug/kg	25	SW 8260B	08/27/1998	576
1,1-Dichloropropene	<31	ug/kg	25	SW 8260B	08/27/1998	576



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WDNR No. 128053530

ANALYTICAL REPORT

Mr. Scott Konkle
ENGEL & ASSOCIATES, INC.
N4737 Highway 175 South
Fond du Lac, WI 54937

09/08/1998
Job No: 98.07697
Sample No: 312181
Account No: 27107
Page 3

JOB DESCRIPTION: #275-01 Oakfield Properties
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: GP-1 12' #275-01 Oakfield
Rec'd 1 degree C

Date Taken: 08/20/1998 11:00

Date Received: 08/21/1998

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
cis-1,3-Dichloropropene	<31	ug/kg	25	SW 8260B	08/27/1998	576
trans-1,3-Dichloropropene	<31	ug/kg	25	SW 8260B	08/27/1998	576
Di-isopropyl ether	<31	ug/kg	25	SW 8260B	08/27/1998	576
Ethylbenzene	123	ug/kg	25	SW 8260B	08/27/1998	576
Hexachlorobutadiene	<43	ug/kg	35	SW 8260B	08/27/1998	576
Isopropylbenzene	259	ug/kg	25	SW 8260B	08/27/1998	576
p-Isopropyltoluene	1,600	ug/kg	25	SW 8260B	08/27/1998	576
Methylene Chloride	<62	ug/kg	50	SW 8260B	08/27/1998	576
Methyl-t-butyl ether	<31	ug/kg	25	SW 8260B	08/27/1998	576
Naphthalene	308	ug/kg	25	SW 8260B	08/27/1998	576
n-Propylbenzene	591	ug/kg	25	SW 8260B	08/27/1998	576
Styrene	<31	ug/kg	25	SW 8260B	08/27/1998	576
1,1,1,2-Tetrachloroethane	<31	ug/kg	25	SW 8260B	08/27/1998	576
1,1,2,2-Tetrachloroethane	<31	ug/kg	25	SW 8260B	08/27/1998	576
Tetrachloroethene	<31	ug/kg	25	SW 8260B	08/27/1998	576
Toluene	110	ug/kg	25	SW 8260B	08/27/1998	576
1,2,3-Trichlorobenzene	<31	ug/kg	25	SW 8260B	08/27/1998	576
1,2,4-Trichlorobenzene	<31	ug/kg	25	SW 8260B	08/27/1998	576
1,1,1-Trichloroethane	1,170	ug/kg	25	SW 8260B	08/27/1998	576
1,1,2-Trichloroethane	<31	ug/kg	25	SW 8260B	08/27/1998	576
Trichloroethene	<31	ug/kg	25	SW 8260B	08/27/1998	576
Trichlorofluoromethane	<31	ug/kg	25	SW 8260B	08/27/1998	576
1,2,3-Trichloropropane	<31	ug/kg	25	SW 8260B	08/27/1998	576
1,2,4-Trimethylbenzene	4,930	ug/kg	25	SW 8260B	08/27/1998	576
1,3,5-Trimethylbenzene	5,050	ug/kg	25	SW 8260B	08/27/1998	576
Vinyl Chloride	<31	ug/kg	25	SW 8260B	08/27/1998	576
Xylenes, Total	1,970	ug/kg	35	SW 8260B	08/27/1998	576
Surr: Dibromofluoromethane	96.4	%	n/a	SW 8260B	08/27/1998	576
Surr: Toluene-d8	102.8	%	n/a	SW 8260B	08/27/1998	576
Surr: Bromofluorobenzene	93.8	%	n/a	SW 8260B	08/27/1998	576



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WDNR No. 128053530

ANALYTICAL REPORT

Mr. Scott Konkle
ENGEL & ASSOCIATES, INC.
N4737 Highway 175 South
Fond du Lac, WI 54937

09/08/1998
Job No: 98.07697
Sample No: 312182
Account No: 27107
Page 4

JOB DESCRIPTION: #275-01 Oakfield Properties
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: GP-3 12' #275-01 Oakfield
Rec'd 1 degree C

Date Taken: 08/20/1998 13:10

Date Received: 08/21/1998

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
Solids, Total	88.2	%	n/a	SW 5030	08/26/1998	2376
BRO Extraction	08/21/98			WDNR	09/02/1998	1044
BRO - NONAQUEOUS	77	mg/kg	5.0	WDNR	09/04/1998	1044 1802
VOC - METHANOL - 8260B						
Benzene	<1400	ug/kg	25	SW 8260B	08/28/1998	577
Bromobenzene	<1400	ug/kg	25	SW 8260B	08/28/1998	577
Bromochloromethane	<1400	ug/kg	25	SW 8260B	08/28/1998	577
Bromodichloromethane	<1400	ug/kg	25	SW 8260B	08/28/1998	577
Bromoform	<1400	ug/kg	25	SW 8260B	08/28/1998	577
Bromomethane	<5600	ug/kg	100	SW 8260B	08/28/1998	577
n-Butylbenzene	<1400	ug/kg	25	SW 8260B	08/28/1998	577
sec-Butylbenzene	<1400	ug/kg	25	SW 8260B	08/28/1998	577
tert-Butylbenzene	<1400	ug/kg	25	SW 8260B	08/28/1998	577
Carbon Tetrachloride	<1400	ug/kg	25	SW 8260B	08/28/1998	577
Chlorobenzene	<1400	ug/kg	25	SW 8260B	08/28/1998	577
Chlorodibromomethane	<1400	ug/kg	25	SW 8260B	08/28/1998	577
Chloroethane	<2000	ug/kg	35	SW 8260B	08/28/1998	577
Chloroform	<1400	ug/kg	25	SW 8260B	08/28/1998	577
Chloromethane	<1700	ug/kg	30	SW 8260B	08/28/1998	577
o-Chlorotoluene	<1400	ug/kg	25	SW 8260B	08/28/1998	577
p-Chlorotoluene	<1400	ug/kg	25	SW 8260B	08/28/1998	577
1,2-Dibromo-3-Chloropropane	<2800	ug/kg	50	SW 8260B	08/28/1998	577
1,2-Dibromoethane (EDB)	<1400	ug/kg	25	SW 8260B	08/28/1998	577
Dibromomethane	<1400	ug/kg	25	SW 8260B	08/28/1998	577
1,2-Dichlorobenzene	<1400	ug/kg	25	SW 8260B	08/28/1998	577
1,3-Dichlorobenzene	<1400	ug/kg	25	SW 8260B	08/28/1998	577
1,4-Dichlorobenzene	<1400	ug/kg	25	SW 8260B	08/28/1998	577
Dichlorodifluoromethane	<1400	ug/kg	25	SW 8260B	08/28/1998	577
1,1-Dichloroethane	<1400	ug/kg	25	SW 8260B	08/28/1998	577
1,2-Dichloroethane	<1400	ug/kg	25	SW 8260B	08/28/1998	577
1,1-Dichloroethene	<1400	ug/kg	25	SW 8260B	08/28/1998	577
cis-1,2-Dichloroethene	<1400	ug/kg	25	SW 8260B	08/28/1998	577
trans-1,2-Dichloroethene	<1400	ug/kg	25	SW 8260B	08/28/1998	577
1,2-Dichloropropane	<1400	ug/kg	25	SW 8260B	08/28/1998	577
1,3-Dichloropropane	<1400	ug/kg	25	SW 8260B	08/28/1998	577
2,2-Dichloropropane	<1400	ug/kg	25	SW 8260B	08/28/1998	577
1,1-Dichloropropene	<1400	ug/kg	25	SW 8260B	08/28/1998	577



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ANALYTICAL REPORT

Mr. Scott Konkle
ENGEL & ASSOCIATES, INC.
N4737 Highway 175 South
Fond du Lac, WI 54937

09/08/1998
Job No: 98.07697
Sample No: 312182
Account No: 27107
Page 5

JOB DESCRIPTION: #275-01 Oakfield Properties
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: GP-3 12' #275-01 Oakfield
Rec'd 1 degree C

Date Taken: 08/20/1998 13:10

Date Received: 08/21/1998

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
cis-1,3-Dichloropropene	<1400	ug/kg	25	SW 8260B	08/28/1998	577
trans-1,3-Dichloropropene	<1400	ug/kg	25	SW 8260B	08/28/1998	577
Di-isopropyl ether	<1400	ug/kg	25	SW 8260B	08/28/1998	577
Ethylbenzene	<1400	ug/kg	25	SW 8260B	08/28/1998	577
Hexachlorobutadiene	<2000	ug/kg	35	SW 8260B	08/28/1998	577
Isopropylbenzene	<1400	ug/kg	25	SW 8260B	08/28/1998	577
p-Isopropyltoluene	<1400	ug/kg	25	SW 8260B	08/28/1998	577
Methylene Chloride	8,730	ug/kg	50	SW 8260B	08/28/1998	577
Methyl-t-butyl ether	<1400	ug/kg	25	SW 8260B	08/28/1998	577
Naphthalene	<1400	ug/kg	25	SW 8260B	08/28/1998	577
n-Propylbenzene	<1400	ug/kg	25	SW 8260B	08/28/1998	577
styrene	<1400	ug/kg	25	SW 8260B	08/28/1998	577
1,1,1,2-Tetrachloroethane	<1400	ug/kg	25	SW 8260B	08/28/1998	577
1,1,2,2-Tetrachloroethane	<1400	ug/kg	25	SW 8260B	08/28/1998	577
Tetrachloroethene	<1400	ug/kg	25	SW 8260B	08/28/1998	577
Toluene	<1400	ug/kg	25	SW 8260B	08/28/1998	577
1,2,3-Trichlorobenzene	<1400	ug/kg	25	SW 8260B	08/28/1998	577
1,2,4-Trichlorobenzene	<1400	ug/kg	25	SW 8260B	08/28/1998	577
1,1,1-Trichloroethane	<1400	ug/kg	25	SW 8260B	08/28/1998	577
1,1,2-Trichloroethane	<1400	ug/kg	25	SW 8260B	08/28/1998	577
Trichloroethene	232,000	ug/kg	25	SW 8260B	08/28/1998	577
Trichlorofluoromethane	<1400	ug/kg	25	SW 8260B	08/28/1998	577
1,2,3-Trichloropropane	<1400	ug/kg	25	SW 8260B	08/28/1998	577
1,2,4-Trimethylbenzene	<1400	ug/kg	25	SW 8260B	08/28/1998	577
1,3,5-Trimethylbenzene	<1400	ug/kg	25	SW 8260B	08/28/1998	577
Vinyl Chloride	<1400	ug/kg	25	SW 8260B	08/28/1998	577
Xylenes, Total	<2000	ug/kg	35	SW 8260B	08/28/1998	577
Surr: Dibromofluoromethane	104.4	%	n/a	SW 8260B	08/28/1998	577
Surr: Toluene-d8	100.0	%	n/a	SW 8260B	08/28/1998	577
Surr: Bromofluorobenzene	97.2	%	n/a	SW 8260B	08/28/1998	577



**NATIONAL
ENVIRONMENTAL
TESTING, INC.**

Watertown Division
602 Commerce Drive
P.O. Box 288
Watertown, WI 53094

Tel: (920) 261-1660
Fax: (920) 261-8120
WDNR No. 128053530

ANALYTICAL REPORT

Mr. Scott Konkle
ENGEL & ASSOCIATES, INC.
N4737 Highway 175 South
Fond du Lac, WI 54937

09/08/1998
Job No: 98.07697
Sample No: 312183
Account No: 27107
Page 6

JOB DESCRIPTION: #275-01 Oakfield Properties
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: Trip Blank #275-01 Oakfield
Rec'd 1 degree C

Date Taken: 08/20/1998

Date Received: 08/21/1998

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
-OC - METHANOL - 8260B						
Benzene	<25	ug/kg	25	SW 8260B	08/27/1998	576
Bromobenzene	<25	ug/kg	25	SW 8260B	08/27/1998	576
Bromochloromethane	<25	ug/kg	25	SW 8260B	08/27/1998	576
Bromodichloromethane	<25	ug/kg	25	SW 8260B	08/27/1998	576
Bromoform	<25	ug/kg	25	SW 8260B	08/27/1998	576
Bromomethane	<100	ug/kg	100	SW 8260B	08/27/1998	576
n-Butylbenzene	<25	ug/kg	25	SW 8260B	08/27/1998	576
sec-Butylbenzene	<25	ug/kg	25	SW 8260B	08/27/1998	576
tert-Butylbenzene	<25	ug/kg	25	SW 8260B	08/27/1998	576
Carbon Tetrachloride	<25	ug/kg	25	SW 8260B	08/27/1998	576
Chlorobenzene	<25	ug/kg	25	SW 8260B	08/27/1998	576
Chlorodibromomethane	<25	ug/kg	25	SW 8260B	08/27/1998	576
Chloroethane	<35	ug/kg	35	SW 8260B	08/27/1998	576
Chloroform	<25	ug/kg	25	SW 8260B	08/27/1998	576
Chloromethane	<30	ug/kg	30	SW 8260B	08/27/1998	576
m-Chlorotoluene	<25	ug/kg	25	SW 8260B	08/27/1998	576
p-Chlorotoluene	<25	ug/kg	25	SW 8260B	08/27/1998	576
1,2-Dibromo-3-Chloropropane	<50	ug/kg	50	SW 8260B	08/27/1998	576
1,2-Dibromoethane (EDB)	<25	ug/kg	25	SW 8260B	08/27/1998	576
Dibromomethane	<25	ug/kg	25	SW 8260B	08/27/1998	576
1,2-Dichlorobenzene	<25	ug/kg	25	SW 8260B	08/27/1998	576
1,3-Dichlorobenzene	<25	ug/kg	25	SW 8260B	08/27/1998	576
1,4-Dichlorobenzene	<25	ug/kg	25	SW 8260B	08/27/1998	576
Dichlorodifluoromethane	<25	ug/kg	25	SW 8260B	08/27/1998	576
1,1-Dichloroethane	<25	ug/kg	25	SW 8260B	08/27/1998	576
1,2-Dichloroethane	<25	ug/kg	25	SW 8260B	08/27/1998	576
1,1-Dichloroethene	<25	ug/kg	25	SW 8260B	08/27/1998	576
cis-1,2-Dichloroethene	<25	ug/kg	25	SW 8260B	08/27/1998	576
trans-1,2-Dichloroethene	<25	ug/kg	25	SW 8260B	08/27/1998	576
1,2-Dichloropropane	<25	ug/kg	25	SW 8260B	08/27/1998	576
1,3-Dichloropropane	<25	ug/kg	25	SW 8260B	08/27/1998	576
2,2-Dichloropropane	<25	ug/kg	25	SW 8260B	08/27/1998	576
1,1-Dichloropropene	<25	ug/kg	25	SW 8260B	08/27/1998	576
cis-1,3-Dichloropropene	<25	ug/kg	25	SW 8260B	08/27/1998	576
trans-1,3-Dichloropropene	<25	ug/kg	25	SW 8260B	08/27/1998	576
Di-isopropyl ether	<25	ug/kg	25	SW 8260B	08/27/1998	576



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ANALYTICAL REPORT

Mr. Scott Konkle
ENGEL & ASSOCIATES, INC.
N4737 Highway 175 South
Fond du Lac, WI 54937

09/08/1998
Job No: 98.07697
Sample No: 312183
Account No: 27107
Page 7

JOB DESCRIPTION: #275-01 Oakfield Properties
PROJECT DESCRIPTION: Soil Analysis
SAMPLE DESCRIPTION: Trip Blank #275-01 Oakfield
Rec'd 1 degree C

Date Taken: 08/20/1998

Date Received: 08/21/1998

Parameter	Results	Units	Reporting Limit	Method	Date Analyzed	Prep/Run Batch
Benzene	<25	ug/kg	25	SW 8260B	08/27/1998	576
Hexachlorobutadiene	<35	ug/kg	35	SW 8260B	08/27/1998	576
Isopropylbenzene	<25	ug/kg	25	SW 8260B	08/27/1998	576
p-Isopropyltoluene	<25	ug/kg	25	SW 8260B	08/27/1998	576
Methylene Chloride	<50	ug/kg	50	SW 8260B	08/27/1998	576
Methyl-t-butyl ether	<25	ug/kg	25	SW 8260B	08/27/1998	576
Naphthalene	<25	ug/kg	25	SW 8260B	08/27/1998	576
n-Propylbenzene	<25	ug/kg	25	SW 8260B	08/27/1998	576
Styrene	<25	ug/kg	25	SW 8260B	08/27/1998	576
1,1,1,2-Tetrachloroethane	<25	ug/kg	25	SW 8260B	08/27/1998	576
1,1,1,2-Tetrachloroethane	<25	ug/kg	25	SW 8260B	08/27/1998	576
Tetrachloroethene	<25	ug/kg	25	SW 8260B	08/27/1998	576
Toluene	<25	ug/kg	25	SW 8260B	08/27/1998	576
1,2,3-Trichlorobenzene	<25	ug/kg	25	SW 8260B	08/27/1998	576
1,2,4-Trichlorobenzene	<25	ug/kg	25	SW 8260B	08/27/1998	576
1,1,1-Trichloroethane	<25	ug/kg	25	SW 8260B	08/27/1998	576
1,1,2-Trichloroethane	<25	ug/kg	25	SW 8260B	08/27/1998	576
Trichloroethene	<25	ug/kg	25	SW 8260B	08/27/1998	576
Trichlorofluoromethane	<25	ug/kg	25	SW 8260B	08/27/1998	576
1,2,3-Trichloropropane	<25	ug/kg	25	SW 8260B	08/27/1998	576
1,2,4-Trimethylbenzene	<25	ug/kg	25	SW 8260B	08/27/1998	576
1,3,5-Trimethylbenzene	<25	ug/kg	25	SW 8260B	08/27/1998	576
Vinyl Chloride	<25	ug/kg	25	SW 8260B	08/27/1998	576
Arylenes, Total	<35	ug/kg	35	SW 8260B	08/27/1998	576
Surr: Dibromofluoromethane	101.8	%	n/a	SW 8260B	08/27/1998	576
Surr: Toluene-d8	97.8	%	n/a	SW 8260B	08/27/1998	576
Surr: Bromofluorobenzene	94.2	%	n/a	SW 8260B	08/27/1998	576



9.11.16

COMPANY Ingral & Associates, INC
ADDRESS _____
PHONE _____ FAX _____
PROJECT NAME/LOCATION Oakfield Properties
PROJECT NUMBER 275-01
PROJECT MANAGER Scott G. Kunkle

REPORT TO: Engel
INVOICE TO: Engel
P.O. NO. _____
NET QUOTE NO. _____

SAMPLED BY SCOTT G Kunkle Scott J Kunkle
(PRINT NAME) SIGNATURE

(PRINT NAME) _____ SIGNATURE _____

ANALYSES

To assist us in selecting the proper method

Is this work being conducted for regulatory compliance monitoring? Yes _____ No _____

Is this work being conducted for regulatory enforcement action? Yes _____ No _____

Which regulations apply: RCRA _____ NPDES Wastewater _____
UST _____ Drinking Water _____
Other _____ None _____

COMMENTS

DATE	TIME	SAMPLE ID/DESCRIPTION	MATRIX	GRAB	COMP	HCl	NaOH	HNO ₃	H ₂ SO ₄	OTHER	DRE	VOC	705
8/20/98	1100	GP1-12'	S	X					3		X	X	X
1	1310	GP3-12'	S	X					3		X	X	X
		Trip Blank											
8/20/98	1140	GP-1	W	X		X			3		X		
		Trip Blank				X			2		X		

→ Separate job

CONDITION OF SAMPLE: BOTTLES INTACT? YES / NO
FIELD FILTERED? YES / NO

COC SEALS PRESENT AND INTACT? YES / NO
VOLATILES FREE OF HEADSPACE? YES / NO

TEMPERATURE UPON RECEIPT: 1°C
Bottles supplied by NET? (YES) NO

SAMPLE REMAINDER DISPOSAL: RETURN SAMPLE REMAINDER TO CLIENT VIA _____
I REQUEST NET TO DISPOSE OF ALL SAMPLE REMAINDERS _____ *Scott Kunkle*

2 DATE 8/20/98 8/21/98 1471

RELINQUISHED BY:	DATE	TIME	RECEIVED BY:	RELINQUISHED BY:	DATE	TIME	RECEIVED FOR NET BY:
Amey Hoak	8/21/98	9:33	Walter 8/21/98 9:35A	Walter	8/21/98	1:42P	Cl V. G. 8/25/98
METHOD OF SHIPMENT			REMARKS:				

PT 1 - ORIGINAL - WHITE PT 2 - NET PROJECT MANAGER - YELLOW PT 3 - CUSTOMER COPY - PINK