



February 5, 2008

Mr. Will Myers
Dept. of Commerce – ERS Division
Bureau of PECFA
PO Box 8044
Madison, WI 53708-8044

SUBJECT: Pap's General Store, 1637 80th Street, Balsam Lake
PECFA #54810-2432-37 BRRTS #03-49-223213

Dear Mr. Myers,

Per your request Cedar Corporation, on behalf of Rick Scoglio, is presenting an update on the progress of the additional site investigation activities completed to date for the Pap's General Store site in the Town of Apple River, Polk County, WI. Cedar Corporation has completed the installation of four groundwater monitoring wells, one piezometer, four soil borings, collection of four rounds of groundwater sampling, two rounds of potable well sampling, and twelve monthly rounds of free product collection. Attached you will find: tables of soil, groundwater, and drinking water analytical results; a table of free product measurements and collection amounts; groundwater flow map; and a map of soil boring and monitoring well locations.

During the course of the work completed free phase product (predominantly gasoline) was observed in monitoring wells MW-1 and MW-2 located through or down gradient of the former dispenser island. Measurements of free product thickness in MW-1 and MW-2 were observed to vary between 0.6 feet and 1.75 feet over the 12 month period. Collection of free product by bailing from the two wells has resulted in the collection of over 17 gallons of product (approximately 5 gallons from MW-1 and 12 gallons from MW-2).

Monitoring wells MW-3, MW-5, and MW-7 located side gradient or down gradient of the source area were reported to have levels of petroleum contaminants exceeding NR 140 Enforcement Standards. Statistical analysis of the results for the three wells returns results of: Non-stable for all compounds in MW-3 and Benzene in MW-5; Stable for Ethylbenzene in MW-5 and all compounds in MW-7; and Decreasing for Toluene, Total Xylenes and Total Trimethylbenzenes in MW-5 (copies of the Mann-Kendall Statistical Test sheets are attached). The piezometer (P-8) located on the Olson property has shown no significant impact and based on observed measurements demonstrates the groundwater is discharging (rising) as would be anticipated assuming the Apple River functions as a regional groundwater discharge.

Groundwater flow direction based on measured elevations is toward the northeast. Based on the analytical data the contaminant plume suggests groundwater flow is northerly as would be expected due to the site's proximity to the Apple River which flows westerly. The observed flow direction explains the observed contamination at well MW-5 but not at MW-7 which is reported to have higher (by 2 to 3 orders of magnitude) contaminant levels. Groundwater flow maps for the April 2007 and January 2008 measurements are attached. The monitoring well top of casing elevations were re-surveyed in January 2008 to verify there was no error affecting the observed flow direction. All flows were completed using the updated elevations which showed no significant error in previous survey data.

The potable water supply wells for the Pap's General Store and northerly adjacent (presumed down gradient) Olson residence were sampled for VOCs and were reported to have no detections. Based on the extent of the

contaminant plume, sampling of the residential well at 1637 80th Street (across County Road E) appears warranted. The well at this residence is located at least 130 feet side gradient of the known extent of impacted groundwater (MW-5).

Soil contamination was observed in only one of the four borings (B-10) completed to further define the extent of contamination. Boring B-10 was located on the up gradient end of the former dispenser island and was observed to have contamination throughout the soil column. The three borings completed around the former and current tank bed and current dispenser island were reported to have no detections of petroleum contaminants.

Based on the results of the work completed to date it appears that regular bailing of the product can be an effective measure to reduce the mass of product present on the water table. Initial statistical analysis indicate the plume is stable along its' down gradient extent but, due to minor fluctuations in flow direction, non-stable along the side gradient extent. Excavation to reduce the contaminant mass at the former dispenser island appears warranted and would likely contribute to reductions in both the volume of free product and length of recovery time for the aquifer if the excavation was completed to the water table. As, following the installation of the current tank system, the entire area of impacted soils was paved with new asphalt the direct contact threat is mitigated by the presence of the asphalt barrier. Further groundwater monitoring appears warranted to establish the contaminant trends along the plume margin.

If you have any questions regarding this project or the information presented herein please contact me at 715-235-9081.

Sincerely;
CEDAR CORPORATION



Matt Taylor, P.G.
Hydrogeologist

Att.

c. Mr. Rick Scoglio, 1637 80th Avenue, Balsam Lake, WI 54810
Mr. Phil Richards, WDNR, 875 S. 4th Street, Park Falls, WI 54552

TABLE # 3
SITE INVESTIGATION SOIL SAMPLE ANALYTICAL RESULTS
PAP'S GENERAL STORE
BALSAM LAKE, WI

				GRO	DRO	Lead	Results reported in ug/Kg								
				mg/Kg	mg/Kg	mg/kg	Benzene	E - Benzene	1,2-DCA	MTBE	Naphthalene	Toluene	1,2,4 TMB	1,3,5 TMB	Xylenes
Wis Adm. Code NR720, Table 1 & 2, Residual Contaminant Levels				100-250	100-250	50-500	5.5	2,900	5	NS	NS	1,500	NS	NS	4,100
Wis Adm. Code NR746.06 Table 1, Residual Petroleum Product				NS	NS	NS	8,500	4,600	600	NS	2,700	38,000	83,000	11,000	42,000
Wis Adm. Code NR746.06 Table 2, Direct Contact				NS	NS	NS	1,100	NS	540	NS	NS	NS	NS	NS	NS
Boring Name	Sample Depth	Sample Date	Laboratory ID												
B-1-1	2.5-4.5	10/24/2000	594454	2,180	5,800		10,400	10,200		< 260		33,200	67,400	25,900	113,000
B-1-4	10-12	10/24/2000	594455	1,400	604		16,200	34,500		< 540		128,000	75,500	24,800	204,000
B-1-5	12.5-14.5	10/24/2000	594456	14			542	325		<30	<32	1,810	771	289	1,930
B-2-2	5-7	10/24/2000	594457	< 5.4			< 27	< 27		< 27		< 27	< 27	< 27	< 80
B-2-5	12.5-14.5	10/24/2000	594458	2,230			28,500	43,400		< 620	3,410	182,000	98,000	34,700	216,000
B-3-1	2.5-4.5	10/24/2000	594459	< 5.2			< 26	51		< 26	<96	< 26	< 26	< 26	< 78
B-3-4	10-12	10/24/2000	594460	917			5,930	22,700		< 270		50,700	60,400	20,500	114,000
B-3-5	12.5-14.5	10/24/2000	594461	1,110			23,600	22,400		< 290		66,000	53,000	18,800	106,000
B-4-1	2.5-4.5	10/24/2000	594462	< 5.3			< 26	< 26		< 26		< 26	< 26	< 26	< 79
B-4-4	10-12	10/24/2000	594463	< 5.5			< 27	< 27		< 27	<32	< 27	< 27	< 27	< 82
B-4-5	12.5-14.5	10/24/2000	594464	< 6.2			< 31	< 31		< 31	<35	< 31	< 31	< 31	< 92
B-5-1	2.5-4.5	10/24/2000	594465	< 5.3			< 26	< 26		< 26		< 26	< 26	< 26	< 79
B-5-3	7.5-9.5	10/24/2000	594466	47	25	152	337	653	<293	< 26	3,170	1,790	2,420	832	4,000
B-5-4	10-12	10/24/2000	594467	1,020	396		4,840	19,800	<29	< 132	<29	35,200	60,400	20,900	105,000
B-5-5	12.5-14.5	10/24/2000	594468	< 6.0		75	75	48		< 30		54	58	32	131
B-6-2	5-7	10/24/2000	594469	441	283	<4.4	304	10,100	<28	< 262	40	11,500	39,900	14,700	72,400
B-6-4	10-12	10/24/2000	594470	2,640	4,360	<4.5	34,400	67,700	<28	< 574	<28	235,000	93,000	31,000	288,000
B-6	2-4	10/26/2004	594471	<6.1			<31	<31		<31		<31	110	<31	<92
B-6	8-10	10/26/2004	594472	2,440		<4.4	<1,330	50,000	<1,330	<1,330	22,200	7,110	189,000	41,100	333,000
B-6	18-20	10/26/2004	594473	<5.4			<27	<27	<27	<27	<27	<27	<27	<27	<38
MW-4	2.5-4.5	01/04/2007	WQA0190-01				<31	<31		<31	<55	<31	<31	<31	<92
MW-4	12.5-14.5	01/04/2007	WQA0190-02				<31	<31		<31	<37	<31	<31	<31	<92
B-7	2-4	01/04/2007	WQA0190-03				<26	<26		<26	<47	<26	<26	<26	<78
B-7	12-13	01/04/2007	WQA0190-04				<28	<28		<28	<50	<28	<28	<28	<84
B-8	2-4	01/04/2007	WQA0190-05				<26	<26		<26	<46	<26	<26	<26	<77
B-8	12-13	01/04/2007	WQA0190-06				<29	<29		<29	<52	<29	<29	<29	<87
B-9	2-4	01/04/2007	WQA0190-07				<26	<26		<26	<39	<26	<26	<26	<78
B-9	12-13	01/04/2007	WQA0190-08				<29	<29		<29	<140	<29	<29	<29	<88
B-10	2-4	01/04/2007	WQA0190-09				1,200	7,900		<520	12,000	13,000	90,000	27,000	100,000
B-10	12-13	01/04/2007	WQA0190-10				4,200	15,000		<270	10,000	40,000	40,000	13,000	94,000

MTBE = Methyl tert butyl ether
TMB = Trimethylbenzene
E-Benzene = Ethylbenzene
1,2-DCA = 1,2 Dichloroethane
Values in Bold Typeface exceed listed table value.

ug/Kg= micrograms per kilogram = ppb = parts per billion
mg/Kg= milligrams per kilogram = ppm = parts per million
IU = Instrument Units
NA = Not Analyzed
NS = No Standard Established

Pap's General Store
Balsam Lake, WI
Groundwater Analytical Results
PVOC (EPA 8020) or VOC (EPA 8260), DRO, GRO

PARAMETER	SAMPLE DATE	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	P-8
GRO (ug / L)	10/31/00	47000	FP	750					
DRO (mg / L)	10/31/00	4.7	FP	<0.10					
BENZENE (ug / L) Enforcement Standard - 5.0 Preventive Action Limit - 0.5	10/31/00	8600	FP	150					
	1/19/07	FP	FP	2.5	<0.20	20	<0.20	1300	<0.20
	4/24/07	FP	FP	1.0	<0.25	120	<0.25	520	<0.25
	7/10/07	FP	FP	130	<0.25	27	<0.25	1800	<0.25
	10/17/07	FP	FP	9.7	<0.25	<0.25	<0.25	370	<0.25
1,2 EDB (ug / L) Enforcement Standard - 0.05 Preventive Action Limit - 0.005	10/31/00								
	1/19/07	FP	FP		<0.20	<0.20	<0.20	0.23	<0.20
ETHYLBENZENE (ug / L) Enforcement Standard - 700 Preventive Action Limit - 140	10/31/00	1900	FP	13					
	1/19/07	FP	FP	<0.22	<0.50	8.6	<0.50	640	<0.50
	4/24/07	FP	FP	<0.22	<0.22	9.5	<0.22	320	<0.22
	7/10/07	FP	FP	0.45	<0.22	0.47	<0.22	1300	<0.22
	10/17/07	FP	FP	0.64	<0.22	<0.22	<0.22	230	<0.22
NAPHTHALENE (ug / L) Enforcement Standard - 100 Preventive Action Limit - 10	10/31/00	300	FP	1.5					
	1/19/07	FP	FP	<0.43	<0.25	1.0	<0.25	120	<0.25
n-PROPYLBENZENE (ug / L)	10/31/00	220	FP	1.7					
	1/19/07	FP	FP		<0.50	0.89	<0.50	67	<0.50
TOLUENE (ug / L) Enforcement Standard - 1000 Preventive Action Limit - 200	10/31/00	21000	FP	130					
	1/19/07	FP	FP	<0.11	<0.20	7.8	<0.20	7400	<0.20
	4/24/07	FP	FP	<0.11	<0.11	17	<0.11	2900	<0.11
	7/10/07	FP	FP	1.1	<0.11	0.44	<0.11	12000	<0.11
	10/17/07	FP	FP	0.19	<0.11	<0.11	<0.11	1900	<0.11
1,2,4-TRIMETHYLBENZENE (ug / L) Enforcement Standard - 480 Preventive Action Limit - 96	10/31/00	1800	FP	6.2					
	1/19/07	FP	FP	<0.25	<0.20	3.2	<0.20	560	<0.20
	4/24/07	FP	FP	<0.25	<0.25	5.3	<0.25	280	<0.25
	7/10/07	FP	FP	<0.25	<0.25	0.31	<0.25	1100	<0.25
	10/17/07	FP	FP	<0.25	<0.25	<0.25	<0.25	180	<0.25
1,3,5-TRIMETHYLBENZENE (ug / L)	10/31/00	440	FP	1.7					
	1/19/07	FP	FP	<0.19	<0.20	1.4	<0.20	150	<0.20
	4/24/07	FP	FP	<0.19	<0.19	2.7	<0.19	75	<0.19
	7/10/07	FP	FP	<0.19	<0.19	<0.19	<0.19	320	<0.19
	10/17/07	FP	FP	<0.19	<0.19	<0.19	<0.19	54	<0.19
XYLENES (ug / L) Enforcement Standard - 10,000 Preventive Action Limit - 1000	10/31/00	9200	FP	42					
	1/19/07	FP	FP	<0.39	<0.50	11	<0.50	3900	<0.50
	4/24/07	FP	FP	<0.39	<0.39	23	<0.39	1700	<0.39
	7/10/07	FP	FP	0.67	<0.39	0.73	<0.39	7500	<0.39
	10/17/07	FP	FP	<0.39	<0.39	<0.39	<0.39	1100	<0.39

BOLD = NR 140 ES EXCEEDANCE
ITALICS = NR 140 PAL EXCEEDANCE

**Pap's General Store
Balsam Lake, WI
Groundwater Analytical Results
PNA (EPA 8310)**

PNA COMPOUND	SAMPLE DATE	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	P-8
Acenaphthene (ug / L)	1/19/07	FP	FP	<0.35	<0.35	<0.33	<0.37	<0.93	<0.34
Acenaphthylene (ug / L)	1/19/07	FP	FP	<0.73	<0.73	<0.70	<0.77	<1.9	<0.72
Anthracene (ug / L) Enforcement Standard - 3,000 Preventive Action Limit - 600	1/19/07	FP	FP	<0.040	<0.040	<0.038	<0.042	<0.11	<0.040
Benzo (a) anthracene (ug / L)	1/19/07	FP	FP	<0.047	<0.047	<0.044	<0.049	<0.12	<0.046
Benzo (b) fluoranthene (ug / L) Enforcement Standard - 0.2 Preventive Action Limit - 0.02	1/19/07	FP	FP	<0.10	<0.10	<0.099	<0.11	<0.28	<0.10
Benzo (k) fluoranthene (ug / L)	1/19/07	FP	FP	<0.052	<0.052	<0.049	<0.054	<0.14	<0.051
Benzo (a) pyrene (ug / L) Enforcement Standard - 0.2 Preventive Action Limit - 0.02	1/19/07	FP	FP	<0.034	<0.034	<0.032	<0.036	<0.090	<0.033
Benzo (g,h,i) perylene (ug / L)	1/19/07	FP	FP	<0.13	<0.13	<0.12	<0.13	<0.34	<0.12
Chrysene (ug / L) Enforcement Standard - 0.2 Preventive Action Limit - 0.02	1/19/07	FP	FP	<0.044	<0.044	<0.041	<0.046	<0.12	<0.043

**Pap's General Store
Balsam Lake, WI
Groundwater Analytical Results
PNA (EPA 8310)**

PNA COMPOUND	SAMPLE DATE	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	P-8
Dibenzo (a,h) anthracene (ug / L)	1/19/07	FP	FP	<0.14	<0.14	<0.13	<0.14	<0.37	<0.14
Fluoranthene (ug / L) Enforcement Standard - 400 Preventive Action Limit - 80	1/19/07	FP	FP	<0.086	0.099	<0.082	<0.090	<0.23	<0.084
Fluorene (ug / L) Enforcement Standard - 400 Preventive Action Limit - 80	1/19/07	FP	FP	<0.066	<0.066	<0.063	<0.069	<0.17	<0.065
Indeno (1,2,3-cd) pyrene (ug / L)	1/19/07	FP	FP	<0.066	<0.066	<0.063	<0.069	<0.17	<0.065
1-Methyl Naphthalene (ug / L)	1/19/07	FP	FP	<0.34	<0.34	<0.32	<0.36	21	<0.33
2-Methyl Naphthalene (ug / L)	1/19/07	FP	FP	<0.33	<0.33	<0.31	<0.34	42	<0.32
Naphthalene (ug / L) Enforcement Standard - 100 Preventive Action Limit - 10	1/19/07	FP	FP	<0.43	<0.43	0.52	<0.44	92	<0.42
Phenanthrene (ug / L)	1/19/07	FP	FP	<0.032	0.14	<0.030	<0.033	<0.085	<0.031
Pyrene (ug / L) Enforcement Standard - 250 Preventive Action Limit - 50	1/19/07	FP	FP	<0.047	0.093	<0.044	<0.049	<0.12	<0.046

NS - Not Sampled

Pap's General Store
Water Supply Well Sample Analytical Results
VOCs

Analyte in ug/L	Pap's Well			Olson Well		
	10/31/2000	01/19/2007	01/24/2008	10/31/2000	01/19/2007	01/24/2008
Benzene	< 0.10	<0.20	<0.20	< 0.10	<0.20	<0.20
Bromobenzene	< 0.25	<0.20	<0.20	< 0.25	<0.20	<0.20
BromoChloromethane	< 0.25	<0.50	<0.50	< 0.25	<0.50	<0.50
Bromodichloromethane	< 0.25	<0.20	<0.20	< 0.25	<0.20	<0.20
Bromoform	< 0.25	<0.20	<0.20	< 0.25	<0.20	<0.20
Bromomethane	< 0.25	<0.20	<0.20	< 0.25	<0.20	<0.20
n-Butylbenzene	< 0.25	<0.20	<0.20	< 0.25	<0.20	<0.20
sec-Butylbenzene	< 0.25	<0.25	<0.25	< 0.25	<0.25	<0.25
tert-Butylbenzene	< 0.25	<0.20	<0.20	< 0.25	<0.20	<0.20
Carbon Tetrachloride	< 0.25	<0.50	<0.50	< 0.25	<0.50	<0.50
Chlorobenzene	< 0.25	<0.20	<0.20	< 0.25	<0.20	<0.20
Chlorobibromomethane	< 0.25	<0.20	<0.20	< 0.25	<0.20	<0.20
Chloroethane	< 0.25	<1.0	<1.0	< 0.25	<1.0	<1.0
Chloroform	< 0.25	<0.20	<0.20	< 0.25	<0.20	<0.20
Chloromethane	< 0.25	<0.20	<0.20	< 0.25	<0.20	<0.20
2-Chlorotoluene	< 0.10	<0.50	<0.50	< 0.10	<0.50	<0.50
4-Chlorotoluene	< 0.25	<0.20	<0.20	< 0.25	<0.20	<0.20
1,2-Dibromo-3-Chloropropane	< 0.25	<0.50	<0.50	< 0.25	<0.50	<0.50
1,2-Dibromoethane (EDB)	< 0.25	<0.20	<0.20	< 0.25	<0.20	<0.20
Dibromomethane	< 0.25	<0.20	<0.20	< 0.25	<0.20	<0.20
1,2-Dichlorobenzene	< 0.25	<0.20	<0.20	< 0.25	<0.20	<0.20
1,3-Dichlorobenzene	< 0.25	<0.20	<0.20	< 0.25	<0.20	<0.20
1,4-Dichlorobenzene	< 0.25	<0.20	<0.20	< 0.25	<0.20	<0.20
Dichlorodifluoromethane	< 0.25	<0.50	<0.50	< 0.25	<0.50	<0.50
1,1-Dichloroethane	< 0.25	<0.50	<0.50	< 0.25	<0.50	<0.50
1,2-Dichloroethane	< 0.25	<0.50	<0.50	< 0.25	<0.50	<0.50
1,1-Dichloroethene	< 0.25	<0.50	<0.50	< 0.25	<0.50	<0.50
cis-1,2-Dichloroethene	< 0.25	<0.50	<0.50	< 0.25	<0.50	<0.50
trans-1,2-Dichloroethene	< 0.25	<0.50	<0.50	< 0.25	<0.50	<0.50
1,2-Dichloropropane	< 0.25	<0.50	<0.50	< 0.25	<0.50	<0.50
1,3-Dichloropropane	< 0.25	<0.25	<0.25	< 0.25	<0.25	<0.25
2,2-Dichloropropane	< 0.25	<0.50	<0.50	< 0.25	<0.50	<0.50
1,1-Dichloropropene	< 0.25	<0.50	<0.50	< 0.25	<0.50	<0.50
cis-1,3-Dichloropropene	< 0.25	<0.20	<0.20	< 0.25	<0.20	<0.20
trans-1,3-Dichloropropene	< 0.25	<0.20	<0.20	< 0.25	<0.20	<0.20
Isopropyl ether	< 0.25	<0.50	<0.50	< 0.25	<0.50	<0.50
Ethylbenzene	< 0.25	<0.50	<0.50	< 0.25	<0.50	<0.50
Hexachlorobutadiene	< 0.25	<0.50	<0.50	< 0.25	<0.50	<0.50
Isopropylbenzene	< 0.25	<0.20	<0.20	< 0.25	<0.20	<0.20
p-Isopropyltoluene	< 0.25	<0.20	<0.20	< 0.25	<0.20	<0.20
Methylene Chloride	< 0.25	<1.0	<1.0	< 0.25	<1.0	<1.0
Methyl-tert-Butyl ether	< 0.25	<0.50	<0.50	< 0.25	<0.50	<0.50
Naphthalene	< 0.25	<0.25	<0.25	< 0.25	<0.25	<0.25
n-Propylbenzene	< 0.25	<0.50	<0.50	< 0.25	<0.50	<0.50
Styrene	< 0.25	<0.20	<0.20	< 0.25	<0.20	<0.20
1,1,1,2-Tetrachloroethane	< 0.25	<0.25	<0.25	< 0.25	<0.25	<0.25
1,1,2,2- Tetrachloroethane	< 0.25	<0.20	<0.20	< 0.25	<0.20	<0.20
Tetrachloroethane	< 0.25	<0.50	<0.50	< 0.25	<0.50	<0.50
Toluene	< 0.10	<0.20	<0.20	< 0.10	<0.20	<0.20
1,2,3-Trichlorobenzene	< 0.25	<0.25	<0.25	< 0.25	<0.25	<0.25
1,2,4-Trichlorobenzene	< 0.25	<0.25	<0.25	< 0.25	<0.25	<0.25
1,1,1-Trichloroethane	< 0.25	<0.50	<0.50	< 0.25	<0.50	<0.50
1,1,2-Trichloroethane	< 0.25	<0.25	<0.25	< 0.25	<0.25	<0.25
Trichloroethene	< 0.25	<0.20	<0.20	< 0.25	<0.20	<0.20
Trichlorofluoromethane	< 0.25	<0.50	<0.50	< 0.25	<0.50	<0.50
1,2,3-Trichloropropane	< 0.25	<0.50	<0.50	< 0.25	<0.50	<0.50
1,2,4-Trimethylbenzene	< 0.10	<0.20	<0.20	< 0.10	<0.20	<0.20
1,3,5-Trimethylbenzene	< 0.25	<0.20	<0.20	< 0.25	<0.20	<0.20
Vinyl Chloride	< 0.25	<0.20	<0.20	< 0.25	<0.20	<0.20
Xylenes, Total	< 0.25	<0.50	<0.50	< 0.25	<0.50	<0.50

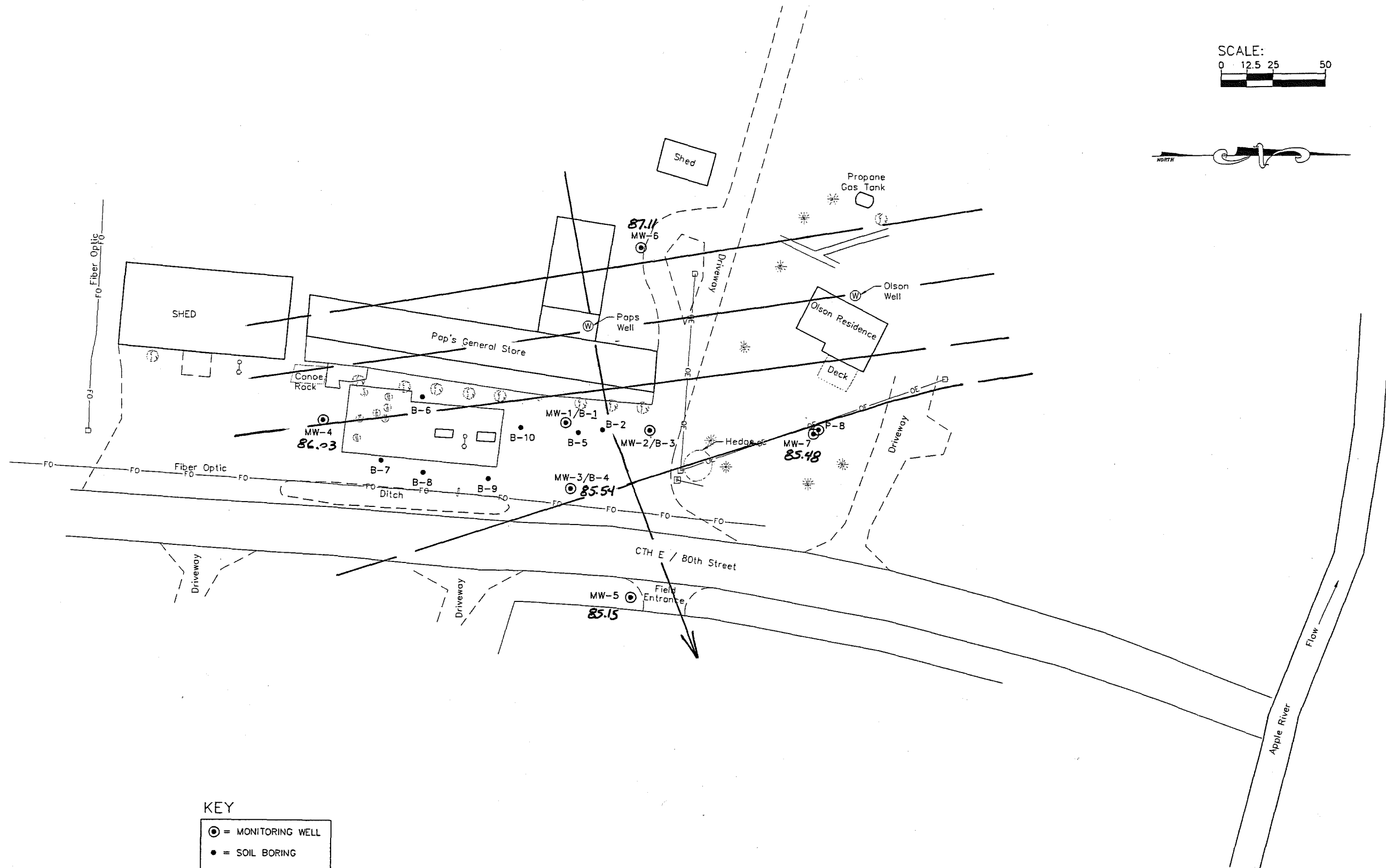
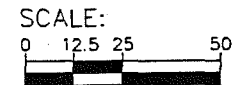
Results with a '<' indicate no detection

**Pap's General Store
Balsam Lake, WI
Free Product Data**

WELL	SAMPLE DATE	FP Thickness (FT)	Volume Recovered (Gal)
MW - 1	1/19/07	1.34	0.5
	2/8/07	0.71	0.25
	3/19/07	0.56	0.25
	4/24/07	1.44	0.25
	5/15/07	1.77	0.75
	6/13/07	1.52	0.75
	7/10/07	0.84	0.25
	8/2/07	0.61	0.25
	8/29/07	0.49	0.25
	10/17/07	0.79	0.3
	11/13/07	1.76	0.7
	12/18/07	0.83	0.3
	1/24/08	0.59	0.3
	MW-2	1/19/07	1.45
2/8/07		1.6	1.5
3/19/07		1.3	1.5
4/24/07		0.95	0.75
5/15/07		1.24	0.75
6/13/07		1.19	0.5
7/10/07		1.37	0.75
8/2/07		1.52	1.3
8/29/07		1.33	1.45
10/17/07		0.83	0.5
11/13/07		0.98	0.3
12/18/07		0.7	0.2
1/24/08		1.44	1.5
TOTAL PRODUCT RECOVERED IN GALLONS			17.1

April 24, 2007

JOB NO.	S2880-002
BOOK NO.	Pap's General Store
DRAWN BY	TAG/PKF
CHECKED BY	MAT
DATE	November 6, 2000
REVISIONS	
REFERENCE FILE	S002base.dwg
DRAWING FILE	S002base.dwg



KEY

⊙	= MONITORING WELL
●	= SOIL BORING
⊗	= PRIVATE WELL

604 Wilson Avenue
Menomonie, Wisconsin 54751

Cedar corporation

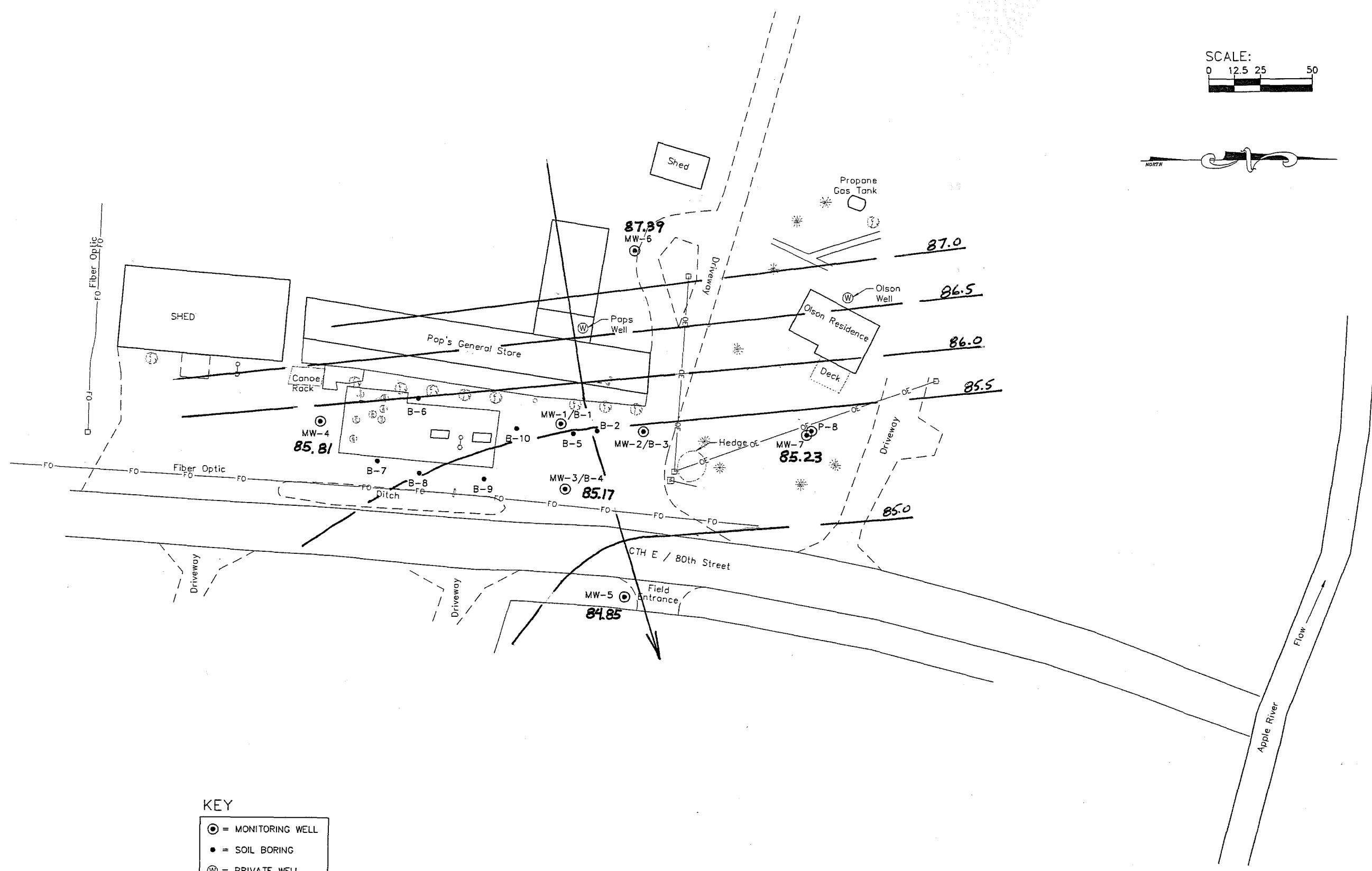
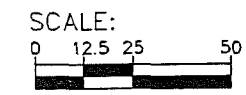
engineers - architects - planners - environmental specialists
and surveys - landscape architects - interior designers

715-235-9091
800-472-7372
FAX 715-235-2227
www.cedarcorp.com

PAPS GENERAL STORE
RICK SCOGGIO
TOWN OF APPLE RIVER

January 24, 2008

JOB NO.	S2880-002
BOOK NO.	Pap's General Store
DRAWN BY	TAG/PKF
CHECKED BY	MAT
DATE	November 6, 2000
REVISIONS	
REFERENCE FILE	S002base.dwg
DRAWING FILE	S002base.dwg



KEY

⊙	= MONITORING WELL
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604 Wilson Avenue
Menomonee, Wisconsin 54751

Cedar
corporation

engineers - architects - planners - environmental specialists
land surveyors - landscape architects - interior designers

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PAPS GENERAL STORE
RICK SCOGGIO
TOWN OF APPLE RIVER

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PAP'S GENERAL STORE
BALSAM LAKE, WI
BRRTS #03-48-223213
COMMERCE #54810-2432-37
MONITORING WELL DATA

DATE	WELL	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	P-8
	CASING ELEV.	98.69	99.04	98.07	98.76	96.49	98.82	99.5	99.42
	GROUND ELEV.	99.20	99.39	98.78	99.23	97.14	99.22	99.96	99.96
	SCREEN TOP ELEV.	89.35	87.89	89.83	88.95	86.97	89.08	90.53	59.30
	SCREEN BOTTOM ELEV.	79.35	77.89	79.83	78.95	76.97	79.08	80.53	54.30
10/31/2000		85.77	84.82	85.97					
01/19/2007		84.37	84.29	85.35	85.84	85.17	86.80	85.25	85.97
04/24/2007		84.53	84.92	85.54	86.03	85.15	87.11	85.48	86.12
07/10/2007		84.79	84.37	85.36	85.86	85.01	86.77	85.22	85.88
10/17/2007		85.49	85.50	86.96	86.54	85.97	88.45	85.96	86.18
01/24/2008		84.90	84.25	85.17	85.81	84.85	87.39	85.23	85.61

NOTES : ALL ELEVATIONS ARE REFERENCED TO ASSUMED 100.00 FT BENCHMARK ON SITE
 MW - 1 FREE PRODUCT OBSERVED ALL EVENTS EXCEPT 10/31/2000
 MW - 2 FREE PRODUCT OBSERVED ALL EVENTS

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 DNK supplied spreadsheet referenced in Appendices A of Comm 46 and NR /46, 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 : Pap's General Store - Balsam Lake BRRTS No. = 03-49-223213 Well Number = MW-3

Event Number	Compound -> 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)	Naphthalene Concentration (leave blank if no data)
1	31-Oct-00	150.00	130.00	13.00	42.00	7.90	1.50
2	19-Jan-07	2.50	0.10	0.10	0.20	0.20	0.20
3	24-Apr-07	1.00	0.10	0.10	0.20	0.20	
4	10-Jul-07	130.00	1.10	0.45	0.67	0.20	
5	17-Oct-07	9.70	0.19	0.64	0.20	0.20	
6							
7							
8							
9							
10							

Mann Kendall Statistic (S) =	-2.0	-1.0	1.0	-3.0	-4.0	-1.0
Number of Rounds (n) =	5	5	5	5	5	2
Average =	58.64	26.30	2.86	8.65	1.74	0.85
Standard Deviation =	74.679	57.973	5.674	18.642	3.444	0.919
Coefficient of Variation(CV)=	1.274	2.204	1.985	2.154	1.979	1.081

Error Check, Blank if No Errors Detected n<4

Trend ≥ 80% Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	n<4
Trend ≥ 90% Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	n<4

Stability Test, If No Trend Exists at 80% Confidence Level	CV > 1 NON-STABLE	CV > 1 NON-STABLE	CV > 1 NON-STABLE	CV > 1 NON-STABLE	CV > 1 NON-STABLE	n<4 n<4
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Data Entry By = MAT Date = 31-Oct-07 Checked By =

**State of Wisconsin
Department of Natural Resources**

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

Remediation and Redevelopment Program

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.

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Site Name : Pap's General Store - Balsam Lake			BRRTS No. = 03-49-223213			Well Number = MW-5	
	Compound ->	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)	Naphthalene Concentration (leave blank if no data)
Event Number	Sampling Date (most recent last)						
1	19-Jan-07	20.00	7.80	0.20	11.00	4.60	1.00
2	24-Apr-07	120.00	17.00	0.20	23.00	8.00	
3	10-Jul-07	27.00	0.44	0.20	0.73	0.31	
4	17-Oct-07	0.20	0.10	0.20	0.20	0.20	
5							
6							
7							
8							
9							
10							
Mann Kendall Statistic (S) =		-2.0	-4.0	0.0	-4.0	-4.0	0.0
Number of Rounds (n) =		4	4	4	4	4	1
Average =		41.80	6.34	0.20	8.73	3.28	1.00
Standard Deviation =		53.354	7.948	0.000	10.732	3.756	#DIV/0!
Coefficient of Variation(CV)=		1.276	1.255	0.000	1.229	1.146	#DIV/0!
Error Check, Blank if No Errors Detected							n<4
Trend ≥ 80% Confidence Level		No Trend	DECREASING	No Trend	DECREASING	DECREASING	n<4
Trend ≥ 90% Confidence Level		No Trend	No Trend	No Trend	No Trend	No Trend	n<4
Stability Test, If No Trend Exists at 80% Confidence Level		CV > 1 NON-STABLE	NA	CV ≤ 1 STABLE	NA	NA	n<4 n<4
Data Entry By = MAT			Date = 14-Jan-08		Checked By =		

**State of Wisconsin
Department of Natural Resources
Remediation and Redevelopment Program**

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

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Site Name : Pap's General Store - Balsam Lake BRRTS No. = 03-49-223213 Well Number = MW-7

Event Number	Compound -> 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)	Naphthalene Concentration (leave blank if no data)
1	19-Jan-07	1,300.00	7,400.00	640.00	3,900.00	710.00	120.00
2	24-Apr-07	520.00	2,900.00	320.00	1,700.00	355.00	
3	10-Jul-07	1,800.00	12,000.00	1,300.00	7,500.00	1,420.00	
4	17-Oct-07	370.00	1,900.00	230.00	1,100.00	234.00	
5							
6							
7							
8							
9							
10							

Mann Kendall Statistic (S) =	-2.0	-2.0	-2.0	-2.0	-2.0	0.0
Number of Rounds (n) =	4	4	4	4	4	1
Average =	997.50	6050.00	622.50	3550.00	679.75	120.00
Standard Deviation =	672.625	4632.134	484.725	2895.399	533.242	#DIV/0!
Coefficient of Variation(CV)=	0.674	0.766	0.779	0.816	0.784	#DIV/0!

Error Check, Blank if No Errors Detected n<4

Trend ≥ 80% Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	n<4
Trend ≥ 90% Confidence Level	No Trend	No Trend	No Trend	No Trend	No Trend	n<4

Stability Test, If No Trend Exists at 80% Confidence Level	CV ≤ 1 STABLE	CV ≤ 1 STABLE	CV ≤ 1 STABLE	CV ≤ 1 STABLE	CV ≤ 1 STABLE	n<4 n<4
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Data Entry By = MAT

Date = 31-Oct-07

Checked By =