September 13, 2001

Mr. Randy Maas Remediation and Redevelopment Program Wisconsin Department of Natural Resources 3911 Fish Hatchery Road Fitchburg, WI 53711



Re: Reedsburg Cleaners 349 E. Main Street, Reedsburg BRRTS # 03-57-002801 02-57-001682

Dear Mr. Maas:

We have prepared the following status report for the Reedsburg Cleaners site. This status report covers the period from June 2001 through August 2001.

Drilling Activities

On July 16, 2001, soil boring SB-1 and piezometer P-2 were installed according to our workplan. We could not gain access to the property west of the Dairyland Veterinary Service; therefore, that monitoring well was not installed. We feel that proposed monitoring well location is now unnecessary.

SB-1 was installed in between the sidewalk and N. Locust Street (see Figure 2). SB-1 was drilled down to 3.3 feet, where competent sandstone was encountered. No laboratory soil samples were collected in SB-1.

P-2 was installed in the northeast corner of the Cenex property (see attached map). The well screen for P-2 was completed at 40 feet. Competent sandstone was encountered at 18 feet.

Groundwater Sampling Activities

On July 24, 2001, groundwater levels were measured in all site wells and some nearby monitoring wells (see Table 1). Also on July 24, 2001, P-2 was developed and then sampled for volatile organic compounds (VOC). Laboratory results show that only chloromethane was detected at 6.3 ug/L. This compound may be attributed to laboratory interference or organic interaction with the sample preservative (HCL).

On August 13, 2001, groundwater levels were measured again. Also on August 13, 2001, the eight site wells and seven off-site wells were sampled. Groundwater samples were analyzed for all or some of the following parameters: VOC, nitrogen, sulfate, chloride, and methane. The laboratory results are summarized in Table 2. Several field parameters (dissolved oxygen, conductivity, etc.) were also collected during sampling activities. These results are summarized in Table 3.

- ▼ 400 VIKING DRIVE P.O. BOX 379 REEDSBURG, WI 53959 (608) 524-6468 Fax (608) 524-8218
- ▼ 6200 MINERAL POINT RD. MADISON, WI 53705-4504 (608) 233-5800 Fax (608) 233-4131
- ▼ 1521 METRO DRIVE, SUITE 205 P.O. BOX 650 SCHOFIELD, WI 54476-0650 (715) 359-2003 Fax (715) 359-4753
- ▼ P.O. BOX 542 PRAIRIE DU CHIEN, WI 53821 (608) 326-1051 Fax (608) 326-1052
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Groundwater contaminated with petroleum compounds exceeding the NR 140 enforcement standards (ES) was found in the following wells: MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7 (MSA), MW-8 (MSA), and MW-3 (Gade). Groundwater contaminated with chlorinated solvents exceeding the NR 140 ES was found in the following wells: MW-1, MW-2, MW-3, MW-4, MW-5, MW-6, MW-7 (MSA), and MW-8 (MSA). No VOC compounds were detected in the following wells: P-1, P-2, P-8 (MSA), MW-3P (Gade), and MW-9 (Gade).

On August 10, 2001, Resource Engineering Associates, Inc. measured groundwater levels in five monitoring wells and two piezometers at the Coop Country Partners, 306 E. Main Street. Groundwater samples were also collected that day and analyzed for VOC. No chlorinated solvents were detected within these seven wells. Petroleum compounds were not detected within MW-1, the well closest to Reedsburg Cleaners.

A water table contour map, Figure 3, was prepared from the August 10 & 13, 2001 groundwater elevations. The map shows that groundwater flows southwest, directly towards the Coop Country Partners site.

Future Activities

We feel the extent of soil and groundwater contamination has been adequately characterized. Based on the groundwater sampling of several piezometers completed in the sandstone (P-1, P-2, P-8, MW-3P, MW-4A, & MW-5A), we feel that chlorinated solvents have not migrated downward into the sandstone. We do not intend to collect another round of groundwater samples until after the remedial investigation report and remedial action options report have been completed.

We intend to conduct slug tests in several monitoring wells on September 18, 2001. Once this data has been obtained we shall complete the investigation report.

If you have any questions or disagree with our recommendations, please feel free to give me a call at (608) 233-5800.

Sincerely,

VIERBICHER ASSOCIATES, INC.

Joel L. Janssen Hydrogeologist

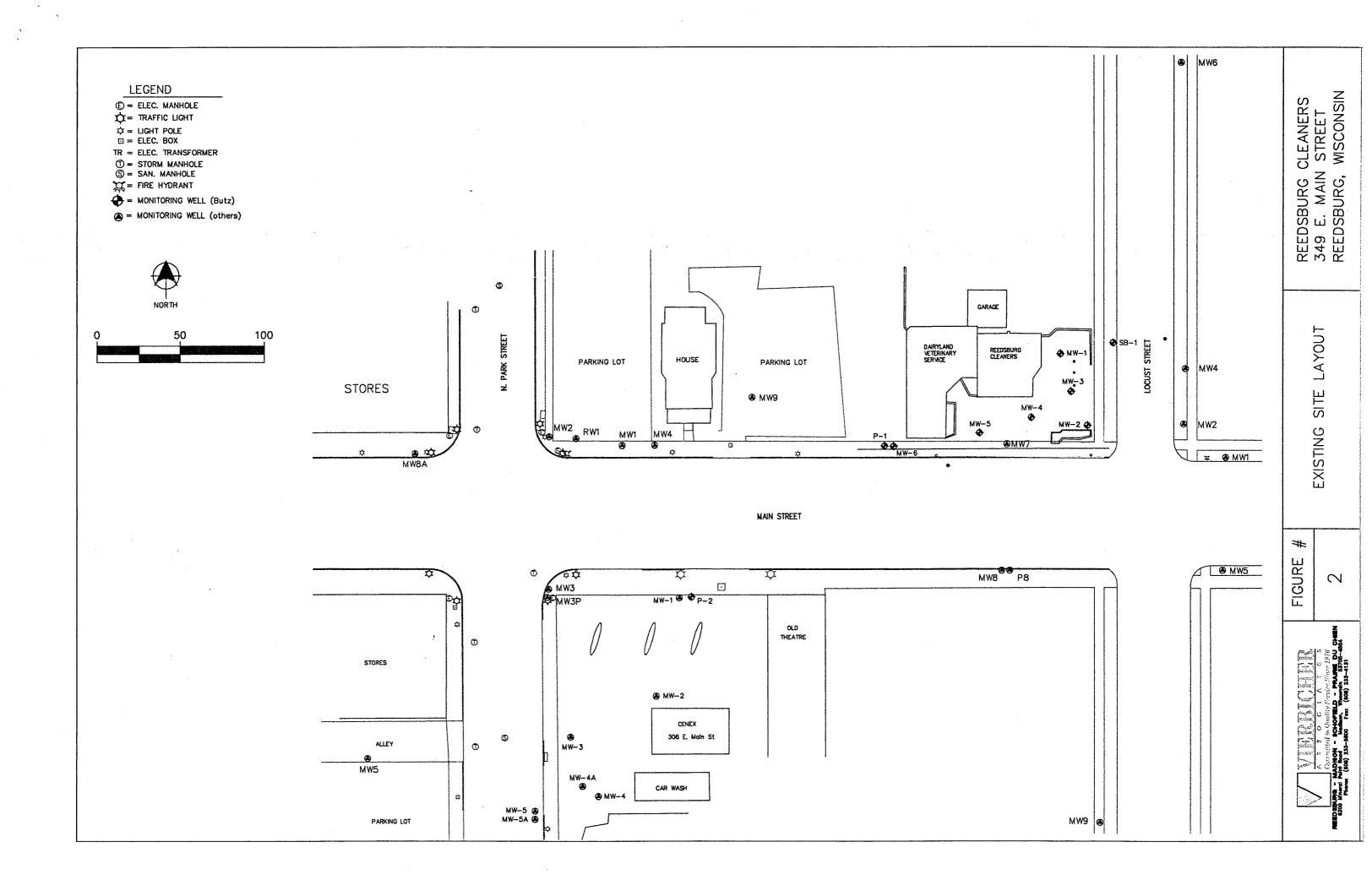
JLJ/las

cc: Wayne Butz

Attachments: Figure 2 Existing Site Layout

Figure 3 Water Table Contour Map - August 13, 2001

Table 1 Groundwater Elevation Data
Table 2 Groundwater Analytical Results
Table 3 Groundwater Field Parameters



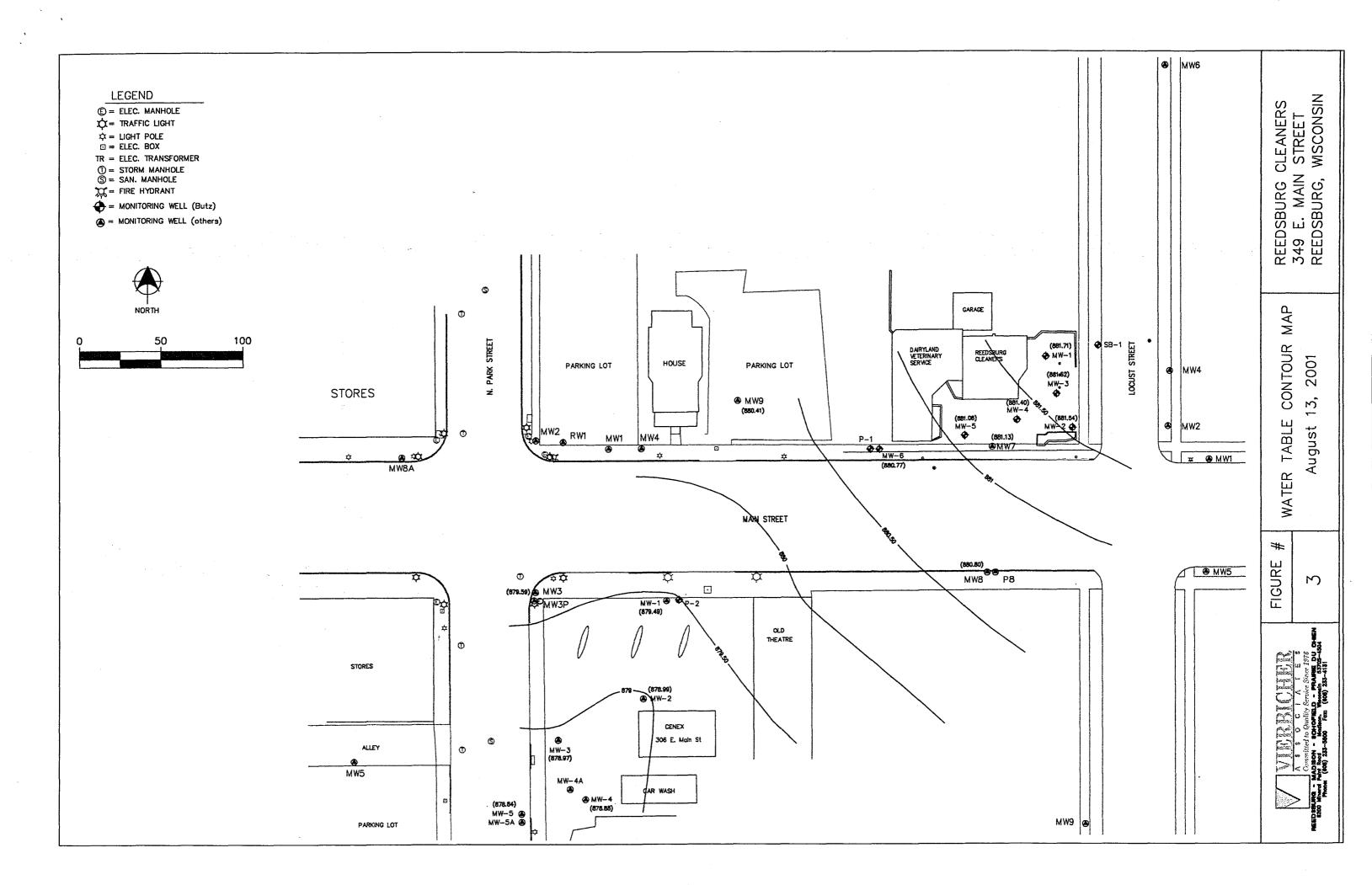


TABLE 1 GROUNDWATER ELEVATION DATA REEDSBURG CLEANERS

		July	24, 2001	August 13, 2001			
WELL ID	Top of Casing	Static Water Level	Groundwater Elevation	Static Water Level	Groundwater Elevation		
MW-1	898.53	17.33	881.20	16.82	881.71		
MW-2	898.97	17.80	881.17	17.43	881.54		
MW-3	898.89	17.65	881.24	17.27	881.62		
MW-4	898.06	17.00	881.06	16.66	881.40		
MW-5	896.46	15.74	880.72	15.40	881.06		
MW-6	894.66	14.33	880.33	13.89	880.77		
P-1	894.50	14.52	879.98	13.35	881.15		
P-2	890.80	11.32	879.48	10.39	880.41		
MW-3 (Gade)	888.54	9.27	879.27	8.95	879.59		
MW-3P (Gade)	888.47	9.36	879.11	9.08	879.39		
MW-9 (Gade)	892.32	12.40	879.92	11.91	880.41		
MW-6 (MSA)	900.85	18.95	881.90	18.08	882.77		
MW-7 (MSA)	896.65	15.83	880.82	15.52	881.13		
MW-8 (MSA)	896.58	16.08	880.50	15.78	880.80		
P-8 (MSA)	896.67	16.62	880.05	15.65	881.02		

TABLE 2 GROUNDWATER ANALYTICAL RESULTS REEDSBURG CLEANERS

	Units	NR 140 PAL	NR 140 ES	MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	P-1	P-2	P-2	P-2 (no HCL)
Date Sampled				8/13/01	8/13/01	8/13/01	8/13/01	8/13/01	8/13/01	8/13/01	7/24/01	8/13/01	8/13/01
Results:						-			_				
Nitrogen (Nitrate-Nitrite)	mg/L			0.095	0.077	0.12	0.12	0.14	0.69	3.9		4.2	
Sulfate	mg/L			21	2.4	12	28	12	12	30		28	
Chloride	mg/L			650	580	790	890	430	76	88		79	
Methane	ug/L			3.3	15	4.1	2.6	3.2	1.9	0.55		<0.5	
VOCs (Method 8260)													
Benzene	ug/L	0.5	5	1,700	14,000	5,300	1,300	440	- 190	<0.25	<0.25	<0.25	<0.25
Toluene	ug/L	200	1,000	14,000	29,000	24.000	11,000	1,700	850	<0.22	<0.22	<0.22	<0.22
Ethylbenzene	ug/L	140	700	11400	3,000	2,000	1,200	470	130	<0.12	<0.12	<0.12	<0.12
Xylenes, total	ug/L	1,000	10,000	6[400	12,700	8,900	6,200	1.750	480	<0.52	<0.52	<0.52	<0.52
Trimethylbenzenes, total	ug/L_	96	480	1,400	4.300	1,500	1,590	680	176	<0.26	<0.26	<0.26	<0.26
sec-Butylbenzene	ug/L			<110	<110	<110	<110	<110	<22	<0.22	<0.22	<0.22	<0.22
n-Butylbenzene	ug/L			<150	<150	<150	<150	<150	<29	<0.29	<0.29	<0.29	<0.29
Chloromethane	ug/L	0.3	3	<120	<120	<120	<120	<120	<24	<0.24	6.3	<0.24	<0.24
1,2-Dichloroethane	ug/L	0.5	5	<170	340 (J)	<170	<200	<200	<39	<0.39	<0.39	<0.39	<0.39
cis-1,2-Dichloroethene	ug/L	7	70	<500	<500	<500	<500	1,800	<100	<1.0	<1.0	<1.0	<1.0
Isopropylbenzene	ug/L			<75	150 (J)	<75	<75	<75	<15	<0.15	<0.15	<0.15	<0.15
p-Isopropyltoluene	ug/L			<100	<100	<100	<100	<100	<20	<0.2	<0.2	<0.2	<0.2
Naphthalene	ug/L	8	40	<340	<340	<340	<340	<340	<68	<0.68	<0.68	<0.68	<0.68
n-Propylbenzene	ug/L			<90	430	<90	<90	<90	<18	<0.18	<0.18	<0.18	<0.18
Tetrachloroethene	ug/L	0.5	5	4.500	940	3,500	12,000	- 6,200	720	<0.25	<0.25	<0.25	<0.25
Trichloroethene	ug/L	0.5	5	<180	300 (J)	220 (J)	190 (J)	5,800	87 (J)	<0.36	<0.36	<0.36	<0.36

TABLE 2 GROUNDWATER ANALYTICAL RESULTS REEDSBURG CLEANERS

	Units	NR 140 PAL	NR 140 ES		MW-7 (MSA)	MW-8	P-8	MW-3	MW-3P	MW-9
Date Sampled	Unics	PAL		(MSA) 8/13/01	8/13/01	(MSA) 8/13/01	(MSA) 8/13/01	(Gade) 8/13/01	(Gade) 8/13/01	(Gade) 8/13/01
'				0/10/01	0/10/01	0/10/01	0/10/01	0/10/01	0/10/01	0/10/01
Results:			1						-	ı
Nitrogen (Nitrate-Nitrite)	mg/L	ļ		1		1.5				
Sulfate	mg/L			13		28				****
Chloride	mg/L			85		1,300				
Methane	ug/L			<0.5		26	**			
VOCs (Method 8260)										
Benzene	ug/L	0.5	5		670	3,000	<0.25	6.3	<0.25	<0.25
Toluene	ug/L	200	1,000		3,800	3,700	<0.22	0.52 (J)	<0.22	<0.22
Ethylbenzene	ug/L	140	700		510	470	<0.12	43	<0.12	<0.12
Xylenes, total	ug/L	1,000	10,000		1.790	1,310	<0.52	48.5	<0.52	<0.52
Trimethylbenzenes, total	ug/L	96	480		780	540	<0.26	193	<0.26	<0.26
sec-Butylbenzene	ug/L				<110	<44	<0.22	2.7	<0.22	<0.22
n-Butylbenzene	ug/L				<150	<58	<0.29	9.3	<0.29	<0.29
1,2-Dichloroethane	ug/L	0.5	5		<200	<78	<0.39	<0.39	<0.39	<0.39
cis-1,2-Dichloroethene	ug/L	7	70		<500	<200	<1.0	<1.0	<1.0	<1.0
Isopropylbenzene	ug/L				<75	<30	<0.15	8.9	<0.15	<0.15
p-Isopropyltoluene	ug/L				<100	<40	<0.2	1	<0.2	<0.2
Naphthalene	ug/L	8	40		<340	<140	<0.68	23	<0.68	<0.68
n-Propylbenzene	ug/L				<90	<36	<0.18	9.3	<0.18	<0.18
Tetrachloroethene	ug/L	0.5	5		14,000	62 (J)	<0.25	<0.25	<0.25	<0.25
Trichloroethene	ug/L	0.5	5		370 (J)	<72	<0.36	<0.36	<0.36	<0.36

TABLE 3
GROUNDWATER FIELD PARAMETERS
REEDSBURG CLEANERS

WELL	DATE	Temp °C	Conductivity ms/cm	Turbidity Ntu	TDS g/l	ORP.	рH	Total Iron ppm	DO mg/l
MVV-1	8/13/01	14.9	2.25	598	1.4	-152	6.9	10	0.45
MW-2	8/13/01	14.7	2	999+	1.4	-151	6.8	10	0.14
MW-3	8/13/01	14.5	2.91	999+	1.9	-139	6.8	10	0.2
MW-4	8/13/01	14.4	3.39	999+	2.2	-109	6.9	5	0.51
MW-5	8/13/01	14.7	1.82	999+	1.2	-207	7.19	5	0.16
P-2	8/13/01	12.05	0	965	0.3	199	6.5	5	0.88
MW-3 (Gade)	8/13/01	15.6	2.41	999+	1.5	-127	7.12	NT	0.72
MW-3P (Gade)	8/13/01	12.36	0.56	369	0.35	218	5.96	NT	1.24
MW-4 (Gade)	8/13/01	16.09	0.71	149	0.45	109	7.4	NT	4.22
MW-9 (Gade)	8/13/01	18.3	0.27	390	0.18	110	7.3	NT	3.90
MW-6 (MSA)	8/13/01	14.1	0.72	145	0.44	182	6.72	5	4.95
MW-7 (MSA)	8/13/01	14.3	2.84	191	1.8	-140	6.99	NT	0.24
MW-8 (MSA)	8/13/01	13.5	5.08	67.2	3.2	-153	6.97	10	0.3