

AC43

TEMCO

THE ENVIRONMENTAL MANAGEMENT COMPANY LLC

October 17, 2001

Ms. Jennie Pelczar
Hydrogeologist
Department of Natural Resources
Oshkosh Service Center
625 East County Road Y, Suite 700
Oshkosh, WI 54901-9731

**R + R - OSH
RECEIVED**

OCT 19 2001

**TRACKED ☒
REVIEWED ☐**

**Re: Exfoliate Enterprises, LLC - Project Status Update
201 Main Street, Oakfield, WI 53065
WDNR BRRTS #02-20-202459**

Dear Ms. Pelczar:

Enclosed please find soil and groundwater data tables for the Exfoliate Enterprises, LLC site. These data tables include all soil and groundwater analytical data developed by Engel & Associates (Phase II ESA) and by TEMCO in the soil borings installed in the source area and first round of groundwater monitoring of the temporary wells (eleven of the twelve geoprobe soil borings were converted to temporary wells in the source area).

Also included is the soil boring/monitoring well location figure and the soil boring logs for the borings installed in the source area. Temporary well construction diagrams and development forms, and all data from the recent installation of the nine permanent groundwater monitoring wells installed outside the building will be forwarded as they are developed.

The first two semi-annual narrative reports for the project to the Department of Commerce are also included:

January 31, 2001

July 31, 2001

Please call with any questions.

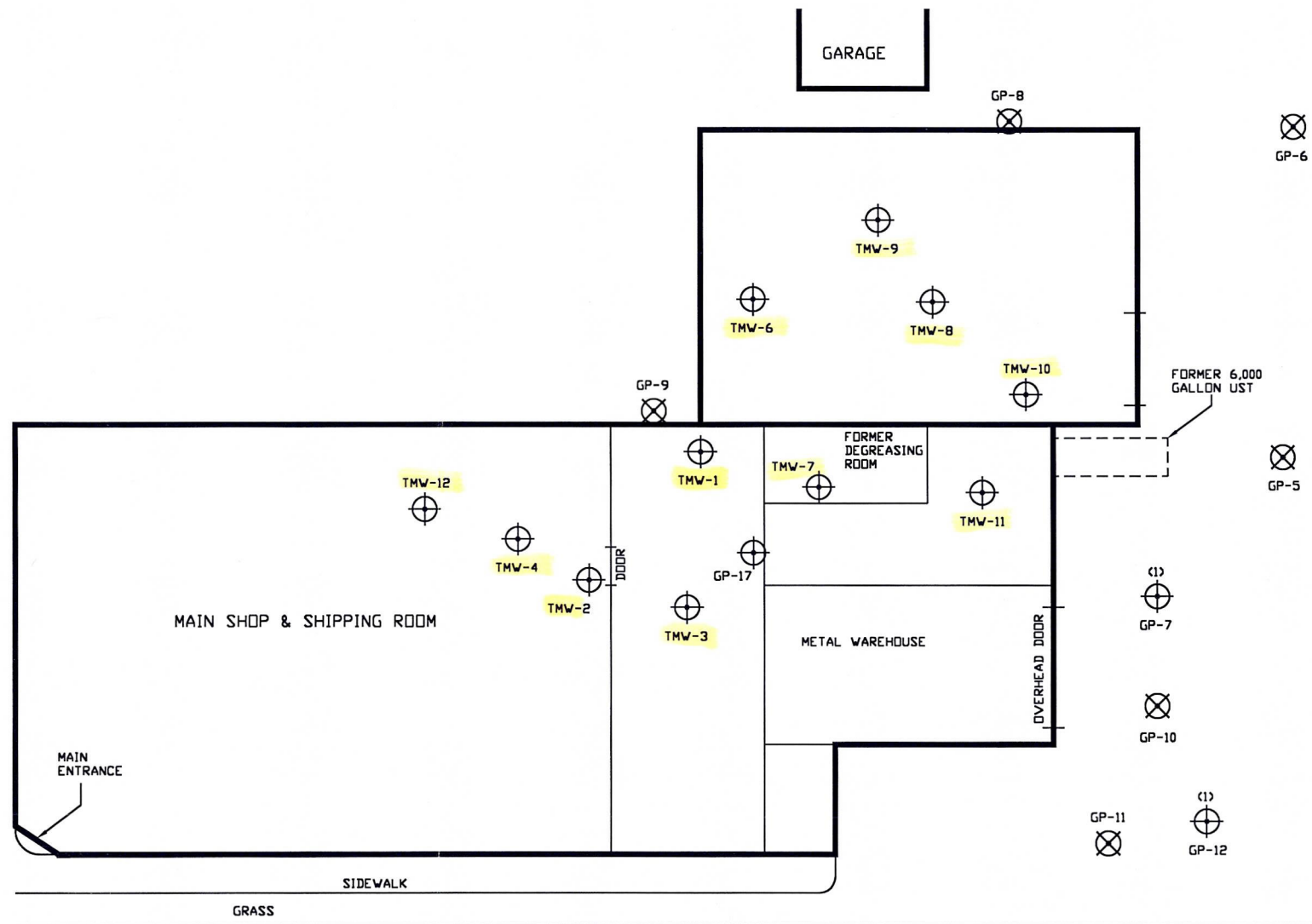
Sincerely,

THE ENVIRONMENTAL MANAGEMENT COMPANY LLC



Jeffrey L. Hosler
Principal

Enclosures



- LEGEND**
- TEMPORARY MONITORING WELL
 - ABANDONED TEMPORARY MONITORING WELL
 - (1) UNABLE TO LOCATE TEMPORARY MONITORING WELLS DUE TO GRAVEL GRADING OVER WELL

FIGURE 2
 SOIL BORING & GROUNDWATER
 MONITORING WELL LOCATION MAP

THE ENVIRONMENTAL MANAGEMENT COMPANY LLC	
DATE: 10/9/01	DRAWN BY: TJM
LOCATION: OAKFIELD PROPERTIES	

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS - DIESEL RANGE ORGANICS (DRO)
EXFOLIATE PROPERTIES, LLC
OAKFIELD, WISCONSIN

Sample ID	Sample Date	Feet (bgs)	DRO (mg/kg)
*GP1	8/20/98	12	961
*GP3	8/20/98	12	77
*#1 Top of Cistern	12/2/98		119,000
*#2 Bottom of Cistern	12/2/98		121,000
*GP4	2/3/99	6	6,600
*GP4	2/3/99	12	31
*GP4	2/3/99	19	7.3
*GP5	2/3/99	10	-
*GP6	2/3/99	10	-
*GP6	2/3/99	12	-
*GP7	2/3/99	6	-
*GP7	2/3/99	12	-
*GP7	2/3/99	16	-
*GP8	2/3/99	6	260
*GP8	2/3/99	12	-
*GP9	2/3/99	5	560
*GP9	2/3/99	12	7.8
*GP11	2/3/99	3	12,000
Residual Contaminant Level (RCL)			100
* = Engel & Associates, Inc. - = No Detect bgs = below ground surface mg/kg = milligrams per kilogram shaded = exceeds RCL			

TABLE 1
SOIL SAMPLE ANALYTICAL RESULTS - DIESEL RANGE ORGANICS (DRO)
EXFOLIATE PROPERTIES, LLC
OAKFIELD, WISCONSIN

Sample ID	Sample Date	Feet (bgs)	DRO (mg/kg)
*GP11	2/3/99	6	2,800
*GP11	2/3/99	16	36
*GP12	2/3/99	7	-
*GP12	2/3/99	12	11
*GP13	2/3/99	8	4.1
*GP13	2/3/99	12	5.5
*GP14	2/3/99	3	360
*GP14	2/3/99	12	27
*GP15	2/3/99	8	5.0
*GP16	2/3/99	8	4.3
*GP16	2/3/99	12	-
*GP17	2/3/99	4	16
*GP17	2/3/99	10	91
*GP17	2/3/99	16	81
Residual Contaminant Level (RCL)			100
* = Engel & Associates, Inc. - = No Detect bgs = below ground surface mg/kg = milligrams per kilogram shaded = exceeds RCL			

TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOC)
EXFOLIATE PROPERTIES, LLC
OAKFIELD, WISCONSIN
All Contaminants Shown In mg/kg • Only Contaminants With Detects Shown

Sample ID	Sample Date	Feet (bgs)	Ben zene	tert- Butyl benzene	sec- Butyl benzene	n-Butyl benzene	1,2- DCA	1,1 - DCA	1,1- DCE	cis-1,2- DCE	trans-1,2- DCE	Ethyl benzene	Isopropyl benzene	p- Isopropyl toluene	Methylene chloride	Naphthalene	n- Propyl benzene	1,1,2,2- Tetrachlo roethane	Tolu ene	1,1,1- TCA	TCE	1,2,4- Trimethyl benzene	1,3,5- Trimethyl benzene	Vinyl Chloride	Xylenes
*GP1	8/20/98	12	-	-	0.813	-	-		-	6.03	-	0.123	0.259	1.6	-	0.308	0.591	-	0.11	1.17	-	4.93	5.05	-	1.97
*GP3	8/20/98	12	-	-	-	-	-		-	-	-	-	-	-	8.73	-	-	-	-	-	232	-	-	-	-
*#1 Top of Cistern	12/2/98	-	-	-	-	-	-		-	0.814	-	-	-	-	0.428	-	0.288	-	0.034	-	4.28	-	-	-	-
*#2 Bottom of Cistern	12/2/98	-	-	-	0.499	-	-	0.595	-	0.23	-	0.083	0.12	0.691	0.595	0.18	-	-	0.058	-	0.211	3.07	1.69	-	0.71
*GP4	2/3/99	6	-	-	0.19	0.2	-		-	-	-	-	0.032 ^J	-	-	-	0.085	-	-	-	-	0.61	0.27	-	0.168
*GP4	2/3/99	12	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
*GP4	2/3/99	19	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
*GP5	2/3/99	10	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
*GP6	2/3/99	10	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
*GP6	2/3/99	12	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
*GP7	2/3/99	6	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
*GP7	2/3/99	12	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
*GP7	2/3/99	16	-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
*GP8	2/3/99	6	-	-	-	-	-		-	-	-	-	-	0.058 ^J	-	-	-	-	-	-	-	-	-	-	-
Residual Contaminant Levels			0.0055	-	-	-	0.0049		-	-	-	2.9	-	-		0.4 [†]	-	-	1.5	-	-	-	-	-	4.1

- = No Detect mg/kg = milligrams per kilogram † = recommended RCL * = Engel & Associates, Inc. shaded = exceeds RCL
 DCE = Dichloroethene DCA = Dichloroethane TCA = Trichloroethane TCE = Trichloroethene J = Analyte detected between LOD and LOQ

TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOC)
EXFOLIATE PROPERTIES, LLC
OAKFIELD, WISCONSIN
All Contaminants Shown In mg/kg • Only Contaminants With Detects Shown

Sample ID	Sample Date	Feet (bgs)	Ben zene	tert- Butyl benzene	sec- Butyl benzene	n-Butyl benzene	1,2- DCA	1,1 - DCA	1,1- DCE	cis-1,2- DCE	trans-1,2- DCE	Ethyl benzene	Isopropyl benzene	p- Isopropyl toluene	Methylene chloride	Naphthalene	n- Propyl benzene	1,1,2,2- Tetrachlo roethane	Tolu ene	1,1,1- TCA	TCE	1,2,4- Trimethyl benzene	1,3,5- Trimethyl benzene	Vinyl Chloride	Xylenes
*GP8	2/3/99	12	0.042 ^J	-	-	-	-	0.52	0.044 _J	-	-	-	-	-	-	-	-	-	-	3.2	-	0.062 ^J	-	-	0.363
*GP9	2/3/99	5	-	0.74	2.7	4.7	-	-	-	-	-	-	0.82	2.6	-	0.64	2.4	-	-	-	-	21	9.7	-	-
*GP9	2/3/99	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	39	0.17 ^J	-	-	-
*GP11	2/3/99	3	-	0.12	0.39	0.98	-	-	-	-	-	0.17	0.16	0.58	-	0.63	0.42	-	-	-	-	5.3	2	-	3.4
*GP11	2/3/99	6	-	0.046	0.16	0.36	-	-	-	-	-	0.093	0.068	0.31	-	0.22	0.18	-	-	-	-	0.68	0.72	-	0.387
*GP11	2/3/99	16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.029	-	-	-
*GP12	2/3/99	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.083
*GP12	2/3/99	12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
*GP13	2/3/99	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
*GP14	2/3/99	3	-	0.33	1.3	2.1	-	-	-	-	-	1.3	0.63	1.5	-	0.059	1.5	-	-	-	-	7.9	0.48	-	2.048
*GP14	2/3/99	12	-	-	-	-	-	-	-	-	-	-	-	-	0.038	-	-	-	-	-	-	0.053	-	0.12	-
*GP15	2/3/99	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
*GP16	2/3/99	8	-	-	-	-	-	0.055	-	-	-	-	-	-	-	-	-	-	-	-	-	0.6	-	-	-
*GP16	2/3/99	12	-	-	-	-	-	0.86	-	1.9	-	-	-	-	-	-	-	-	-	-	-	16	-	-	0.15
*GP17	2/3/99	4	-	-	-	-	-	-	-	0.031	-	-	-	-	-	-	-	-	-	-	-	0.064	-	-	-
*GP17	2/3/99	10	-	-	0.075	0.13	-	0.71	0.14	3.6	-	-	-	0.091	-	-	0.083	-	-	3.6	16	0.77	0.24	-	0.12
Residual Contaminant Levels			0.0055	-	-	-	0.0049		-	-	-	2.9	-	-		0.4†	-	-	1.5	-	-	-	-	-	4.1

– = No Detect mg/kg = milligrams per kilogram † = recommended RCL * = Engel & Associates, Inc. shaded = exceeds RCL
DCE = Dichloroethene DCA = Dichloroethane TCA = Trichloroethane TCE = Trichloroethene J = Analyte detected between LOD and LOQ

TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOC)
EXFOLIATE PROPERTIES, LLC
OAKFIELD, WISCONSIN
All Contaminants Shown In mg/kg • Only Contaminants With Detects Shown

Sample ID	Sample Date	Feet (bgs)	Ben zene	tert- Butyl benzene	sec- Butyl benzene	n-Butyl benzene	1,2- DCA	1,1 - DCA	1,1- DCE	cis-1,2- DCE	trans-1,2- DCE	Ethyl benzene	Isopropyl benzene	p- Isopropyl toluene	Methylene chloride	Naphthalene	n- Propyl benzene	1,1,2,2- Tetrachlo roethane	Tolu ene	1,1,1- TCA	TCE	1,2,4- Trimethyl benzene	1,3,5- Trimethyl benzene	Vinyl Chloride	Xylenes
*GP17	2/3/99	16	-	-	0.17	0.22	-	-	-	0.16	-	-	0.062	0.17	-	-	0.16	-	-	0.22	0.23	1.8	0.52	-	0.145
SB-1	12/11/00	4 - 8	-	0.44	2.7	6.1	-	-	-	-	-	0.17	0.5	3.6	-	1	1.8	-	-	-	-	27	10	-	0.63
SB-1	12/11/00	16 - 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	240	-	-	-	-
SB-1	12/11/00	20 - 24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	21	-	-	-	-
SB-2	12/11/00	4 - 8	-	0.31	2.5	5	-	-	-	-	-	0.28	0.63	3	-	1.2	2	-	-	-	1.7	27	7.4	-	1.47
SB-2	12/11/00	12 - 16	-	-	0.044	0.077	0.037	-	-	-	-	-	-	0.055	-	0.14	0.034	0.16	-	-	0.18	0.39	0.12	-	-
SB-3	12/11/00	8 - 12	-	-	-	-	-	0.82	-	4	-	-	-	-	-	-	-	-	-	3.1	31	0.15	-	-	-
SB-3	12/11/00	12 - 16	-	-	0.059	0.12	-	-	-	0.19	-	-	-	0.053	-	0.027	0.07	-	-	-	1.2	0.78	0.2	-	0.029
SB-4	12/11/00	16 - 20	-	-	-	-	-	-	-	-	-	-	-	-	0.059	-	-	-	-	-	0.2	-	-	-	-
SB-5	12/11/00	8 - 11	-	-	-	-	-	-	-	-	-	-	-	-	0.053	-	-	-	-	-	0.2	-	-	-	-
SB-6	12/12/00	4 - 8	-	0.91	2.4	4.7	-	-	-	1.8	-	0.53	1	3.2	-	2	2.8	6.3	-	-	13	31	13	0.31 ^J	3.9
SB-7	12/12/00	8 - 12	-	-	-	-	-	-	-	30 ^J	-	-	-	-	-	-	-	-	-	-	5200	-	-	-	-
SB-7	12/12/00	16 - 20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	36000	-	-	-	-
SB-8	12/12/00	12 - 16	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	24	-	-	-	-
SB-9	12/12/00	4 - 8	-	0.1	0.51	0.85	-	-	-	-	-	0.1	0.22	0.35	-	0.089	0.6	-	-	-	0.23	5	1.7	-	0.32
SB-9	12/12/00	12 - 16	-	-	-	-	-	3.4	-	-	-	-	-	-	-	-	-	-	-	-	250	-	-	-	-
Residual Contaminant Levels			0.0055	-	-	-	0.0049		-	-	-	2.9	-	-		0.4†	-	-	1.5	-	-	-	-	-	4.1

– = No Detect mg/kg = milligrams per kilogram † = recommended RCL * = Engel & Associates, Inc. shaded = exceeds RCL
DCE = Dichloroethene DCA = Dichloroethane TCA = Trichloroethane TCE = Trichloroethene J = Analyte detected between LOD and LOQ

TABLE 2
SOIL SAMPLE ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOC)
EXFOLIATE PROPERTIES, LLC
OAKFIELD, WISCONSIN
All Contaminants Shown In mg/kg • Only Contaminants With Detects Shown

Sample ID	Sample Date	Feet (bgs)	Ben zene	tert-Butyl benzene	sec-Butyl benzene	n-Butyl benzene	1,2-DCA	1,1-DCA	1,1-DCE	cis-1,2-DCE	trans-1,2-DCE	Ethyl benzene	Isopropyl benzene	p-Isopropyl toluene	Methylene chloride	Naphthalene	n-Propyl benzene	1,1,2,2-Tetrachlo roethane	Tolu ene	1,1,1-TCA	TCE	1,2,4-Trimethyl benzene	1,3,5-Trimethyl benzene	Vinyl Chloride	Xylenes
SB-10	12/12/00	8 - 12	-	-	-	-	0.029	1.1	-	0.61	0.11	-	-	-	-	-	-	-	0.13	-	0.73	0.049	-	0.51	0.042
SB-10	12/12/00	16 - 20	-	0.76	2.8	5.4	-	2.3	-	0.64	-	0.95	1.1	3.4	-	2.4	3.5	-	-	-	0.75	35	13	-	6
SB-11	12/13/00	8 - 12	-	2.1	8.5	17	-	3.3	-	74	1	1.9	3.6	10	-	3.7	11	-	0.81	13	1.1	110	34	-	23.8
SB-11	12/13/00	16 - 20	-	-	1.3	2.1	-	-	-	8.7	-	-	0.42	1.6	-	0.3	1.3	-	-	1.2	1.5	16	4.9	-	2.6
SB-12	12/13/00	20 - 24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.035	-	-	-	-
Residual Contaminant Levels			0.0055	-	-	-	0.0049		-	-	-	2.9	-	-		0.4†	-	-	1.5	-	-	-	-	-	4.1
- = No Detect mg/kg = milligrams per kilogram † = recommended RCL * = Engel & Associates, Inc. shaded = exceeds RCL DCE = Dichloroethene DCA = Dichloroethane TCA = Trichloroethane TCE = Trichloroethene J = Analyte detected between LOD and LOQ																									

All Contaminants Shown In mg/kg • Only Contaminants With Detects Shown

-	= No Detect	mg/kg	= milligrams per kilogram	GP	= groundwater pathway	DC-NI	= direct contact, non-industrial
DC-I	= direct contact, industrial	J	= Analyte detected between LOD and LOQ		block bolded		= exceeds GP RCL

EXFOLIATE PROPERTIES, LLC OAKFIELD, WISCONSIN SOIL ANALYTICAL RESULTS TABLE: PCB All Contaminants Shown in mg/kg									
Sample ID	Sample Date	Depth (feet bgs)	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
SB-1	12/11/00	4 - 8	-	-	-	-	-	0.52	-
SB-1	12/11/00	16 - 20	-	-	-	-	-	0.0107 ^J	-
SB-7	12/12/00	8 - 12	-	-	-	-	-	0.16	-
Residual Contaminant Levels									
- = No Detect mg/kg = milligrams per kilogram									

- = No Detect mg/kg = milligrams per kilogram

All contaminants shown in mg/kg • Only contaminants with detects shown

[illegible]

TABLE 3
GROUNDWATER SAMPLE ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOC)
EXFOLIATE PROPERTIES, LLC
OAKFIELD, WISCONSIN
All Contaminants Shown In µg/l • Only Contaminants With Detects Shown

Sample ID	Sample Date	Ben zene	Ethyl benzene	t-butyl benzene	n-butyl benzene	sec-butyl benzene	Chloro benzene	Chloro ethane	Chloro form	p-Iso propyl toluene	1,1 DCA	1,2 DCA	1,1 DCE	cis 1,2 DCE	Iso propyl benzene	trans 1,2 DCE	Methylene Chloride	n-propyl benzene	Tetra TCE	Tol uene	1,1,1 TCA	1,1,2 TCA	TCE	1,2,4 TMB	1,3,5 TMB	Vinyl Chloride	Naphthalene	Xylenes
*GP1	8/20/98	-	-	-	-	-	-	-	8.5	-	2800	160	26	24000	-	140	30	-	-	22	700	31	11	95	75	600	-	120
*MP-5	2/10/99	-	-	-	-	-	-	-	-	-	1.2	-	-	-	-	-	0.62	-	-	-	-	-	-	-	-	-	-	-
*MP-6	2/10/99	-	1.4	0.33	1.0	0.80	-	-	-	1.1	0.58	-	-	-	1.1	-	0.93	2.4	-	-	1.8	-	-	31	9.6	-	1.7	14.7
*MP-7	2/10/99	-	0.54	-	0.55	0.41	-	1.7	-	0.56	-	-	-	0.70	0.48	-	0.96	1.1	-	-	0.78	-	-	14	4.0	23	0.76	5.7
*MP-8	2/10/99	-	41	8.1	33	20	-	6.0	-	29	54	-	-	-	28	-	-	58	-	7.5	120	-	-	760	230	-	62	440
	5/02/01	-	31	5.2 ^J	18 ^J	15 ^J	-	-	-	19	20	-	-	-	21	-	-	43	-	-	27	-	-	610	180	-	28 ^J	258
*MP-9	2/10/99	-	3.8	6.7	20	16	-	-	-	13	-	-	-	-	11	-	-	25	-	-	-	-	620	-	220	-	18	4.3
	5/02/01	-	-	0.84	0.52 ^J	1.6	-	-	-	0.46 ^J	-	-	-	-	0.27 ^J	-	-	0.41 ^J	-	-	-	-	-	2.9	0.55 ^J	-	-	-
*MP-11	2/10/99	0.78	5.0	0.95	2.1	1.4	-	2.1	-	1.2	3.3	-	-	0.64	2.6	-	-	3.4	-	0.51	-	-	-	20	16	4.6	2.6	34
*MP-12	2/10/99	0.88	9.9	-	-	-	0.52	0.63	-	-	2.2	-	-	0.43	0.99	-	-	-	-	0.56	-	-	-	3.2	0.75	1.5	-	106
*MP-15	2/10/99	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.39	-	-	0.97	-	-	-	-	-	-	-	-
	5/02/01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PAL ES		0.5 5	140 700	--- ---	--- ---	--- ---	--- ---	80 400	0.6 6	--- ---	85 850	0.5 5	0.7 7	7 70	--- ---	20 100	0.5 5	--- ---	0.5 5	200 1000	40 200	0.5 5	0.5 5	96 480	0.02 0.2	8 40	1000 10000	

- = No Detect * = Engel & Associates, Inc.
 DCA = Dichloroethane DCE = Dichloroethene µg/l = micrograms per liter PAL = preventive action limit ES = enforcement standard shaded = exceeds ES
 Tetra TCE = Tetrachloroethene J = Analysis detected between LOD and LOQ TCA = Trichloroethane TCE = Trichloroethene TMB = Trimethylbenzene bolded block = exceeds PAL

TABLE 3
GROUNDWATER SAMPLE ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOC)
EXFOLIATE PROPERTIES, LLC
OAKFIELD, WISCONSIN

All Contaminants Shown In µg/l • Only Contaminants With Detects Shown

Sample ID	Sample Date	Benzene	Ethyl benzene	t-butyl benzene	n-butyl benzene	sec-butyl benzene	Chlorobenzene	Chloroethane	Chloroform	p-Iso propyl toluene	1,1 DCA	1,2 DCA	1,1 DCE	cis 1,2 DCE	Iso propyl benzene	trans 1,2 DCE	Methylene Chloride	n-propyl benzene	Tetra TCE	Toluene	1,1,1 TCA	1,1,2 TCA	TCE	1,2,4 TMB	1,3,5 TMB	Vinyl Chloride	Naphthalene	Xylenes	
*MP-17	2/10/99	-	35	4.5	41	33	-	-	-	42	400	-	29	1700	37	40	-	75	-	13	1300	-	49	1000	250	390	23	300	
	5/02/01	-	28	-	-	21 ^J	-	-	-	22 ^J	380	-	-	3900	28	46	-	59	-	-	630	-	-	830	220	420	-	209 ^J	
TMW-1	5/02/01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4700 00	-	-	-	-	-	
TMW-3	5/02/01	-	14 ^J	-	-	-	-	88	-	-	44 ^J	-	-	1400	-	20 ^J	-	-	-	-	14 ^J	-	-	140 0	92	21 ^J	58	-	-
TMW-4	5/02/01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.92 ^J	-	-	1.7	-	-	
TMW-6	5/02/01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3400 00	-	-	-	-	-	
TMW-7	5/02/01	-	-	-	-	-	-	-	-	-	-	-	-	11000 ^J	-	-	-	-	-	3200 ^J	-	-	9400 00	-	-	-	-	-	
TMW-8	5/02/01	-	-	-	-	-	-	-	-	-	-	-	-	24000	-	-	-	-	-	-	-	-	8100 0	-	-	-	-	-	
TMW-9	5/02/01	-	-	-	-	-	-	-	-	-	-	-	-	5400 ^J	-	-	-	-	-	-	-	-	3600 00	-	-	-	-	-	
TMW-10	5/02/01	-	-	-	-	-	-	-	-	-	750 ^J	-	-	3600	-	-	-	-	-	-	-	-	210 0	-	-	3100	-	-	
PAL ES		0.5 5	140 700	--- ---	--- ---	--- ---	--- ---	80 400	0.6 6	--- ---	85 850	0.5 5	0.7 7	7 70	--- ---	20 100	0.5 5	--- ---	0.5 5	200 1000	40 200	0.5 5	0.5 5	96 480	0.02 0.2	8 40	1000 10000		

- = No Detect * = Engel & Associates, Inc.
 DCA = Dichloroethane DCE = Dichloroethene
 Tetra TCE = Tetrachloroethene
 µg/l = micrograms per liter PAL
 TCA = Trichloroethane TCE = Trichloroethene
 J = Analysis detected between LOD and LOQ
 ES = enforcement standard shaded = exceeds ES
 TMB = Trimethylbenzene bolded block = exceeds PAL

TABLE 3
GROUNDWATER SAMPLE ANALYTICAL RESULTS - VOLATILE ORGANIC COMPOUNDS (VOC)
EXFOLIATE PROPERTIES, LLC
OAKFIELD, WISCONSIN

All Contaminants Shown In µg/l • Only Contaminants With Detects Shown

Sample ID	Sample Date	Ben zene	Ethyl benzene	t-butyl benzene	n-butyl benzene	sec- butyl benzene	Chloro benzene	Chloro ethane	Chloro form	p-Iso propyl toluene	1,1 DCA	1,2 DCA	1,1 DCE	cis 1,2 DCE	Iso propyl benzene	trans 1,2 DCE	Methylene Chloride	n-propyl benzene	Tetra TCE	Tol uene	1,1,1 TCA	1,1,2 TCA	TCE	1,2,4 TMB	1,3,5 TMB	Vinyl Chloride	Naph thalene	Xylenes
TMW-11	5/02/01	-	-	-	-	-	-	-	-	-	-	2900*	-	52000	-	-	-	-	2000*	-	-	-	2000*	-	-	-	-	-
TMW-12	5/02/01	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0.69	-	-	-	-	-
PAL ES		0.5 5	140 700	--- ---	--- ---	--- ---	--- ---	80 400	0.6 6	--- ---	85 850	0.5 5	0.7 7	7 70	--- ---	20 100	0.5 5	--- ---	0.5 5	200 1000	40 200	0.5 5	0.5 5	96 480	0.02 0.2	8 40	1000 10000	

- = No Detect * = Engel & Associates, Inc. µg/l = micrograms per liter PAL = preventive action limit ES = enforcement standard shaded = exceeds ES
DCA = Dichloroethane DCE = Dichloroethene TCA = Trichloroethane TCE = Trichloroethene TMB = Trimethylbenzene bolded block = exceeds PAL
Tetra TCE = Tetrachloroethene J = Analysis detected between LOD and LOQ

TABLE
GROUNDWATER SAMPLE ANALYTICAL RESULTS - SEMI VOLATILE ORGANIC COMPOUNDS (SVOC)
EXFOLIATE PROPERTIES, LLC
OAKFIELD, WISCONSIN
All Contaminants Shown In µg/l • Only Contaminants With Detects Shown

Sample ID	Sample Date	Anthracene	Chrysene	Diethyl phthalate	Di-n-ocrylphthalate	Fluoranthene	Fluorene	2-MN	Naphthalene	Phenanthrene
MP-8	05/02/01	-	-	0.97 ^J	-	-	0.37 ^J	1.9	25	0.74 ^J
MP-9	05/02/01	-	-	-	-	-	-	-	-	-
TMW-11	05/02/01	89 ^J	360	-	530 ^J	170	260 ^J	1100	2600	1400
PAL		600	0.02	---	---	80	80	---	8	---
ES		3000	0.2			400	400		400	

2-MN = 2-Methyl naphthalene
 Outlined = PAL Exceedance

PAL = Preventive Action Limit
 Shaded = ES Exceedance

ES = Enforcement Standard

Table
GROUNDWATER ELEVATION AND WELL ELEVATION
MEASUREMENTS
 Exfoliate Properties LLC
 Oakfield, Wisconsin
(Recorded in Feet)

Well ID	Date	Ground Surface Elevation	Top of Casing Elevation	Depth to Water from Top of Casing	Groundwater Elevation
MP-5	2/10/99	n/a	n/a		90.54
MP-6	2/10/99	n/a	n/a		91.69
MP-7	2/10/99	n/a	n/a		91.63
MP-8	2/10/99	n/a	n/a		95.36
MP-9	2/10/99	n/a	n/a		95.99
MP-11	2/10/99	n/a	n/a		92.63
MP-12	2/10/99	n/a	n/a		93.89
MP-15	2/10/99	n/a	n/a		94.86
MP-17	2/10/99	n/a	n/a		95.45

↗ Engle + Assoc

EXFOLIATE PROPERTIES, LLC
OAKFIELD, WISCONSIN
GROUNDWATER ANALYTICAL RESULTS TABLE: PCB
All Contaminants Shown in µg/l

Sample ID	Sample Date	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260
TMW-11	5/3/01	-	-	-	-	-	1,700	-
Residual Contaminant Levels								
- = No Detect µg/l = micrograms per liter								

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐

Page 1 of 2

Facility/Project Name EXFOLIATE SITE		License/Permit/Monitoring Number		Boring Number SB-1	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Last Name: NORTHSHORE DRILLING INC.		Date Drilling Started 12/11/2000 m m / d d / y y y y		Date Drilling Completed 12/11/2000 m m / d d / y y y y	
Drilling Method DIRECT PUSH		Final Static Water Level Feet MSL		Surface Elevation Feet MSL	
WT Unique Well No.		DNR Well ID No.		Well Name TMW-1	
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐		State Plane N , E S/C/N		Lat 0 ' "	
NE 1/4 of NE 1/4 of Section 14 , T 14 N, R 16 W		Long 0 ' "		Local Grid Location ☐ N ☐ E ☐ S ☐ W	
Facility ID		County FOND DU LAC		County Code 20	
		Civil Town/City/ or Village OAKFIELD			

Sample Number and Type	Length At. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	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	P 200	
0-4			1	CONCRETE FLOOR - 7"	FL									NO ODOOR
			2	DARK BROWN, MOIST, SILTY CLAY CHANGING TO BROWN AND GRAY, MOIST, SILTY CLAY	CL									
			3											
			4											
4-8	VOC-SVOC -	PCB-METALS ANALYSES	5	BROWN AND GRAY, MOIST, SILTY CLAY WITH GRAVEL AND SEAM OF BLACK, MOIST, CLAYEY SAND FROM 6.0' TO 6.5' BGS	CL / SC / CL									SLIGHT ODOOR 4'-6'
			6											STRONG PETROLEUM ODOOR 6.0'-6.5'
			7											MODERATE SOLVENT ODOOR 6.5'-8.0'
			8											
8-12			9	GRAY AND BROWN, MOIST, SILTY CLAY WITH GRAVEL CHANGING AT 9.0' BGS TO BROWN, DAMP, SILTY CLAY WITH GRAVEL CHANGING AT 10.5' BGS TO GRAY, DAMP, SILTY CLAY WITH GRAVEL	CL									MODERATE SOLVENT ODOOR 8'-9'
			10											NO ODOOR 9.0'-10.5'
			11											MODERATE SOLVENT ODOOR 10.5'-12.0'
			12											

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

Signature <i>[Signature]</i>	Firm THE ENVIRONMENTAL MANAGEMENT CO. LLC
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[illegible]

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐

Page 1 of 2

Facility/Project Name EXFOLIATE SITE		License/Permit/Monitoring Number		Boring Number SB-2	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Last Name: NORTHSHORE DRILLING INC.		Date Drilling Started 12/11/2000 m m / d d / y y y y	Date Drilling Completed 12/11/2000 m m / d d / y y y y	Drilling Method DIRECT PUSH	
WI Unique Well No.	DNR Well ID No.	Well Name TMW-2	Final Static Water Level Feet MSL	Surface Elevation Feet MSL	Borehole Diameter 1.5 inches
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐		State Plane NE N, 14 E S/C/N		Local Grid Location ☐ N ☐ E ☐ S ☐ W	
NE 1/4 of NE 1/4 of Section 14 , T 14 N, R 16 EW		Long 0 ' "		Feet 0 Feet 0	
Facility ID		County FOND DU LAC	County Code 20	Civil Town/City/ or Village OAKFIELD	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	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	P 200	
0-4			1	CONCRETE FLOOR - 12"	FILL									SLIGHT PETROLEUM ODOR
			2	BLACK AND BROWN, DAMP, CLAYEY SAND AND GRAVEL	GC									
			3	CHANGING TO BROWN AND GRAY, MOIST, SILTY CLAY WITH GRAVEL	CL									
			4											
4-8	VOC	ANALYSES	5	BROWN AND GRAY, MOIST, SILTY CLAY WITH GRAVEL WITH SEVERAL LENSES OF	CL									MODERATE PETROLEUM ODOR
			6	BROWN AND GRAY, MOIST, CLAYEY SAND AND FINE	SC									
			7	GRAVEL	GC									
			8		CL									
8-12			9	BROWN AND GRAY, MOIST, SILTY CLAY WITH GRAVEL WITH FEW THIN SEAMS	SW									MODERATE PETROLEUM ODOR 8'-9' SLIGHT PETROLEUM ODOR 9'-12'
			10	CLAYEY SAND AND LENSE	CL									
			11	OF GRAY, WET COARSE	SC									
			12	SAND FROM 8'-9' BGS	CL									

I hereby certify that the information on this form is true and correct to the best of my knowledge.
Signature J. Hosler Firm THE ENVIRONMENTAL MANAGEMENT CO. LLC

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[illegible]

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐

Page 1 of 2

Facility/Project Name EXFOLIATE SITE		License/Permit/Monitoring Number		Boring Number SB-3	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Last Name: NORTHSHORE DRILLING INC.		Date Drilling Started 12/11/2000 m m d d y y y y		Date Drilling Completed 12/11/2000 m m d d y y y y	
Drilling Method DIRECT PUSH		Final Static Water Level Feet MSL		Surface Elevation Feet MSL	
WI Unique Well No.		DNR Well ID No.		Well Name TMW-3	
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐		State Plane NE 1/4 of NE 1/4 of Section 14 , T 14 N, R 16 W		Local Grid Location Lat 0 ' " Long 0 ' " Feet ☐ N ☐ E ☐ S ☐ W	
Facility ID		County FOND DU LAC		County Code 20	
		Civil Town/City/ or Village OAKFIELD			

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	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	P 200	
0-4			1	CONCRETE FLOOR - 8" BROWN AND BLACK, MOIST, SILTY CLAY CHANGING TO BROWN AND GRAY, MOIST, SILTY CLAY	CL									SLIGHT PETROLEUM ODOR 1'-2'
			2											
			3											
			4	BROWN AND GRAY, MOIST, SILTY CLAY WITH GRAVEL AND BROWN AND GRAY, MOIST, CLAYEY SAND	CL / SC									MODERATE PETROLEUM ODOR
4-8			5											
			6											
			7											
8-12	VOC	ANALYSES	8	BROWN AND GRAY, MOIST TO WET, CLAYEY SAND WITH GRAVEL AND GRAY, MOIST TO WET, SILTY CLAY WITH <u>TRACE</u> GRAVEL	SC / CL									SLIGHT PETROLEUM ODOR NO ODOR 11.5'-12.0'
			9											
			10											
			11											
			12											

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

Signature G. J. Hosler Firm THE ENVIRONMENTAL MANAGEMENT CO. LLC

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Sample		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
Number and Type	Length Att. & Recovered (in)								Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
12-16	VOL	ANALYSES	13 14 15	GRAY, WET, CLAYEY SAND AND FINE GRAVEL AND GRAY, MOIST TO WET, SILTY CLAY WITH GRAVEL	SC / GC / CL									SLIGHT PETROLEUM OOOR
16-20			16 17 18 19 20	GRAY, WET, SILTY CLAY WITH FINE GRAVEL AND GRAY, WET, SILTY SAND AND GRAY, WET, SILT	CL / SM / ML									SLIGHT PETROLEUM OOOR
			21 22 23 24	BOTTOM OF BORING										NO OOOR 18.5'-20.0'

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐

Facility/Project Name EXFOLIATE SITE		License/Permit/Monitoring Number		Boring Number SB-4	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Last Name: NORTHSHORE DRILLING INC.		Date Drilling Started 12/11/2000 m m d d y y y y		Date Drilling Completed 12/11/2000 m m d d y y y y	
WI Unique Well No.		DNR Well ID No.		Well Name TMW-4	
Final Static Water Level Feet MSL		Surface Elevation Feet MSL		Borehole Diameter 1.5 inches	
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐		State Plane N ☐ E ☐ S ☐ W		Lat 0 ' " Long 0 ' "	
NE 1/4 of NE 1/4 of Section 14 T 14 N R 16 W		Local Grid Location ☐ N ☐ E ☐ S ☐ W		Feet ☐ S ☐ W	
Facility ID		County FOND DU LAC		County Code 20	
		Civil Town/City/ or Village OAKFIELD			

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	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	P 200	
0-4			1	CONCRETE FLOOR - 12"										NO ODOR
			2	BROWN AND BLACK, DAMP, SILTY CLAY WITH FINE	CL									
			3	GRAVEL CHANGING TO BROWN AND GRAY, MOIST, SILTY CLAY WITH GRAVEL										
4-8			4											NO ODOR
			5	BROWN AND GRAY, MOIST, SILTY CLAY WITH <u>SOME</u>	CL / SC / CL									
			6	GRAVEL WITH FEW THIN SEAMS OF BROWN AND GRAY, WET, CLAYEY SAND WITH GRAVEL										
8-12			7											NO ODOR
			8											
			9	BROWN, MOIST, SILTY CLAY WITH GRAVEL WITH SEAM (8") BLACK AND GRAY, DAMP, SAND	CL / SP / CL									
			10											
			11											
			12											

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

Signature <i>J. J. Hosler</i>	Firm THE ENVIRONMENTAL MANAGEMENT CO. LLC
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[illegible]

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐

Page 1 of 2

Facility/Project Name EXFOLIATE SITE		License/Permit/Monitoring Number		Boring Number SB-5	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Last Name: NORTHSHORE DRILLING INC.		Date Drilling Started 12/11/2000 m m d d y y y y		Date Drilling Completed 12/11/2000 m m d d y y y y	
WI Unique Well No.		DNR Well ID No.		Well Name	
Final Static Water Level Feet MSL		Surface Elevation Feet MSL		Borehole Diameter 1.5 inches	
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ State Plane NE 1/4 of NE 1/4 of Section 14 . T 14 N. R. 16 W		Lat 0 ' " Long 0 ' "		Local Grid Location ☐ N ☐ E ☐ S ☐ W	
Facility ID		County FOND DU LAC		County Code 2 0	
				Civil Town/City/ or Village OAKFIELD	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	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	P 200	
0-4			1	CONCRETE FLOOR - 12"										NO ODOR
			2	BROWN, MOIST, SILTY CLAY WITH GRAVEL	CL									
			3	CHANGING TO DARK BROWN, MOIST, SILTY CLAY AT										
			4	2.5' BGS CHANGING TO BROWN, MOIST, SILTY CLAY WITH GRAVEL										
4-8			5											NO ODOR
			6	BROWN, MOIST, SILTY CLAY WITH GRAVEL	CL									
			7											
			8											
8-12	VOC	ANALYSES	9	BROWN, MOIST, SILTY CLAY WITH GRAVEL										NO ODOR
			10	CHANGING AT 9.5' BGS TO GRAY, MOIST, SILTY CLAY WITH GRAVEL - VERY DENSE	CL									
			11											
			12	BOTTOM OF BORING REFUSAL										

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

Signature <i>[Signature]</i>	Firm THE ENVIRONMENTAL MANAGEMENT CO. LLC
---------------------------------	---

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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐

Page 1 of 2

Facility/Project Name EXFOLIATE SITE		License/Permit/Monitoring Number		Boring Number SB-6							
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Last Name: NORTHSHORE DRILLING INC.		Date Drilling Started 12/12/2000		Date Drilling Completed 12/12/2000		Drilling Method DIRECT PUSH					
WI Unique Well No.		DNR Well ID No.		Well Name TMW-6		Final Static Water Level Feet MSL		Surface Elevation Feet MSL		Borehole Diameter 1.5 inches	
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐		State Plane NE 1/4 of NE 1/4 of Section 14 T 14 N, R 16 W		Lat 0 ' "		Local Grid Location		☐ N ☐ E		☐ S ☐ W	
Facility ID		County FOND DU LAC		County Code 20		Civil Town/City/ or Village OAKFIELD					

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	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	P 200	
0-4			1	CONCRETE FLOOR - 8" BROWN AND DARK BROWN, MOIST, SILTY CLAY WITH FINE GRAVEL	CL									NO ODOR
			2											
			3											
			4											
4-8	VOC	ANALYSES	5	GRAY, MOIST, SILTY CLAY WITH SOME GRAVEL WITH SEAM (8") GRAY, WET, SILT	CL / ML / CL									MODERATE PETROLEUM ODOR
			6											
			7											
			8											
8-12			9	BROWN, MOIST, SILTY CLAY WITH GRAVEL CHANGING AT 10.5' BGS TO GRAY, MOIST, SILTY CLAY WITH GRAVEL	CL									SLIGHT PETROLEUM ODOR NO ODOR BELOW 10.5'
			10											
			11											
			12											

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

Signature <i>[Signature]</i>	Firm THE ENVIRONMENTAL MANAGEMENT CO. LLC
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16-20

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐

Facility/Project Name EXFOLIATE SITE			License/Permit/Monitoring Number		Boring Number SB-7		
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Last Name: NORTHSHORE DRILLING INC.			Date Drilling Started 12/12/2000 m m d d y y y y		Date Drilling Completed 12/12/2000 m m d d y y y y		
WI Unique Well No.		DNR Well ID No. TMW-7		Final Static Water Level Feet MSL		Surface Elevation Feet MSL	
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐ State Plane N, E S/C/N NE 1/4 of NE 1/4 of Section 14, T 14 N, R 16 W			Lat 0 ' " Long 0 ' "		Local Grid Location ☐ N ☐ E ☐ S ☐ W		
Facility ID		County FOND DU LAC		County Code 20		Civil Town/City/ or Village OAKFIELD	

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	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	P 200	
0-4			1	CONCRETE FLOOR - 8" DARK BROWN, MOIST, SILTY CLAY CHANGING TO BROWN, MOIST, SILTY CLAY WITH GRAVEL	CL									MODERATE SOLVENT ODOR
			2											
			3											
			4											
4-8			5	BROWN, MOIST, SILTY CLAY WITH GRAVEL CHANGING AT 5.0' BGS TO GRAY, WET, SILTY FINE SAND AND GRAY, WET, SILT CHANGING AT 6.5' BGS TO GRAY, WET, SILTY CLAY	CL / SM / ML / CL									STRONG SOLVENT ODOR
			6											
			7											
			8											
8-12	VOC-SUOC- PCB ANALYSES		9	GRAY, WET, CLAYEY SAND AND FINE GRAVEL AND GRAY, WET, SILTY CLAY WITH GRAVEL	GC / CL									VERY STRONG SOLVENT ODOR
			10											
			11											
			12											

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[illegible]

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐

Page 1 of 2

Facility/Project Name EXFOLIATE SITE		License/Permit/Monitoring Number		Boring Number SB-8	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Last Name: NORTHSHORE DRILLING INC.		Date Drilling Started 12/12/2000 m m / d d / y y y y		Date Drilling Completed 12/12/2000 m m / d d / y y y y	
Drilling Method DIRECT PUSH		Final Static Water Level Feet MSL		Surface Elevation Feet MSL	
Well Unique Well No.		DNR Well ID No.		Well Name TMW-8	
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐		State Plane NE 1/4 of NE 1/4 of Section 14 . T 14 N, R 16 W		Local Grid Location Lat 0 ' " Long 0 ' "	
Facility ID		County FOND DU LAC		County Code 20	
		Civil Town/City/ or Village OAKFIELD			

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	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	P 200	
0-4			1	CONCRETE FLOOR - 8"										MODERATE PETROLEUM OOR
			2	DARK BROWN AND BROWN, MOIST, SILTY CLAY WITH GRAVEL CHANGING TO	CL									
			3	GRAY, MOIST, SILTY CLAY WITH GRAVEL										
			4											
4-8			5	GRAY, MOIST, SILTY CLAY WITH GRAVEL WITH SEAM (6") GRAY, WET,	CL									MODERATE PETROLEUM OOR 4.0'-7.5' NO OOR 7.5'-8.0'
			6	CLAYEY SAND WITH GRAVEL	CL/SC									
			7											
			8											
8-12			9	BROWN AND GRAY, MOIST, SILTY CLAY WITH GRAVEL										SLIGHT PETROLEUM OOR
			10	CHANGING TO GRAY, MOIST, SILTY CLAY WITH GRAVEL	CL									
			11											
			12											

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Signature *John Hosler* Firm THE ENVIRONMENTAL MANAGEMENT CO. LLC

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[illegible]

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐

Page 1 of 2

Facility/Project Name EXFOLIATE SITE		License/Permit/Monitoring Number		Boring Number SB-9	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Last Name: NORTHSHORE DRILLING INC.		Date Drilling Started 12/12/2000 m m / d d / y y y y		Date Drilling Completed 12/12/2000 m m / d d / y y y y	
WI Unique Well No.		DNR Well ID No.		Well Name TMW-9	
Final Static Water Level Feet MSL		Surface Elevation Feet MSL		Borehole Diameter 1.5 inches	
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐		State Plane N		E S/C/N	
Lat 0 ' "		Long 0 ' "		Local Grid Location ☐ N ☐ E ☐ S ☐ W	
Facility ID		County FOND DU LAC		County Code 20	
Civil Town/City/ or Village OAKFIELD					

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	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	P 200	
0-4			1	CONCRETE FLOOR - 8" BROWN AND BLACK, DAMP, SILTY SAND CHANGING TO BLACK, MOIST, SILTY CLAY CHANGING TO GRAY, MOIST, SILTY CLAY WITH <u>TRACE</u> COARSE SAND	SM / CL									SLIGHT PETROLEUM ODOR
			2											
			3											
			4											
4-8	VOC	ANALYSES	5	BROWN AND GRAY, MOIST, SILTY CLAY WITH GRAVEL CHANGING AT 5.5' BGS TO BROWN AND GRAY, MOIST TO WET, SILTY SAND CHANGING AT 6.5' BGS TO BROWN AND GRAY, MOIST TO WET, SILTY CLAY WITH GRAVEL	CL / SM / CL									SLIGHT PETROLEUM ODOR MODERATE PETROLEUM ODOR BELOW 5.5'
			6											
			7											
			8											
8-12			9	GRAY, MOIST, SILTY CLAY WITH GRAVEL CHANGING AT 11.5' TO GRAY, WET SILT	CL / ML									SLIGHT PETROLEUM ODOR 8'-10' NO PETROLEUM ODOR 10'-12'
			10											
			11											
			12											

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Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelopment ☐ Other ☐

Page 1 of 2

Facility/Project Name EXFOLIATE SITE		License/Permit/Monitoring Number		Boring Number SB-10							
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Last Name: NORTHSHORE DRILLING INC.		Date Drilling Started 12/12/2000 m m / d d / y y y y		Date Drilling Completed 12/12/2000 m m / d d / y y y y		Drilling Method DIRECT PUSH					
WI Unique Well No.		DNR Well ID No.		Well Name TMW-10		Final Static Water Level Feet MSL		Surface Elevation Feet MSL		Borehole Diameter 1.5 inches	
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐		State Plane N , E S/C/N		Lat 0 ' "		Local Grid Location		☐ N ☐ E		☐ S ☐ W	
NE 1/4 of NE 1/4 of Section 14 , T 14 N, R 16 EW		Long 0 ' "		Feet 0		Feet 0		Feet 0		Feet 0	
Facility ID		County FOND DU LAC		County Code 20		Civil Town/City/ or Village OAKFIELD					

Sample Number and Type	Length Att. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	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	P 200	
0-4			1	CONCRETE FLOOR - 10" DARK BROWN AND BROWN, DAMP, SILTY CLAY CHANGING TO BLACK, DAMP, SILTY CLAY CHANGING TO BROWN AND GRAY, MOIST, SILTY CLAY WITH GRAVEL	CL									MODERATE PETROLEUM ODOR
			2											
			3											
			4											
4-8			5	BROWN AND GRAY, MOIST, SILTY CLAY WITH GRAVEL WITH SEAM (6") GRAY, WET, SILT CHANGING TO GRAY, MOIST, SILTY CLAY WITH GRAVEL	CL / ML / CL									MODERATE PETROLEUM ODOR
			6											
			7											
			8											
8-12	VOL	ANALYSES	9	BROWN, MOIST, SILTY CLAY WITH GRAVEL CHANGING TO GRAY, MOIST, SILTY CLAY WITH GRAVEL	CL									MODERATE PETROLEUM OR SOLVENT ODOR
			10											
			11											
			12											

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16-20

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelpment ☐ Other ☐

Page 1 of 2

Facility/Project Name EXFOLIATE SITE		License/Permit/Monitoring Number		Boring Number SB-11	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Last Name: NORTHSHORE DRILLING INC.		Date Drilling Started 12/13/2000 m m / d d / y y y y		Date Drilling Completed 12/13/2000 m m / d d / y y y y	
WI Unique Well No.		DNR Well ID No.		Well Name TMW-11	
Final Static Water Level Feet MSL		Surface Elevation Feet MSL		Borehole Diameter 1.5 inches	
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐		State Plane NE 1/4 of NE 1/4 of Section 14 T 14 N, R 16 W		Local Grid Location Lat 0 ' " Long 0 ' "	
Facility ID		County FOND DU LAC		County Code 2 0	
		Civil Town/City/ or Village OAKFIELD			

Sample			Depth in Feet (Below ground surface)	Soil/Rock Description And Geologic Origin For Each Major Unit	USCS	Graphic Log	Well Diagram	PID/FID	Soil Properties					RQD/ Comments
Number and Type	Length Att. & Recovered (in)	Blow Counts							Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
0-4			1	CONCRETE FLOOR-11"	CL									NO ODOR
			2	BLACK, DAMP, SILTY CLAY CHANGING TO BROWN, MOIST, SILTY CLAY WITH <u>TRACE</u> COARSE SAND										
			3											
			4											
4-8			5	BROWN, MOIST, SILTY CLAY WITH GRAVEL CHANGING AT 5.0' BGS TO GRAY, MOIST TO WET, SILTY FINE SAND CHANGING AT 6.0' BGS TO BROWN AND GRAY, MOIST, SILTY CLAY WITH GRAVEL	CL / SM / CL								NO ODOR 4'-5' MODERATE PETROLEUM OR SOLVENT ODOR	
			6											
			7											
			8											
8-12	VOC	ANALYSES	9	GRAY, WET, SILTY FINE SAND CHANGING AT 11.0' BGS TO BROWN AND GRAY, MOIST TO WET, SILTY CLAY WITH GRAVEL	SM / CL								STRONG PETROLEUM OR SOLVENT ODOR MODERATE ODOR 11'-12'	
			10											
			11											
			12											

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Signature [Signature] Firm THE ENVIRONMENTAL MANAGEMENT CO. LLC

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[illegible]

Route To: Watershed/Wastewater ☐ Waste Management ☐
Remediation/Revelpoment ☐ Other ☐

Page 1 of 2

Facility/Project Name EXFOLIATE SITE		License/Permit/Monitoring Number		Boring Number SB-12	
Boring Drilled By: Name of crew chief (first, last) and Firm First Name: Last Name: NORTHSHORE DRILLING INC.		Date Drilling Started 12/13/2000 m m / d d / y y y y		Date Drilling Completed 12/13/2000 m m / d d / y y y y	
Drilling Method DIRECT PUSH		Final Static Water Level Feet MSL		Surface Elevation Feet MSL	
WI Unique Well No.	DNR Well ID No.	Well Name TMW-12		Borehole Diameter 1.5 inches	
Local Grid Origin ☐ (estimated: ☐) or Boring Location ☐		State Plane N , E S/C/N		Local Grid Location	
NE 1/4 of NE 1/4 of Section 14 , T 14 N, R 16 W		Lat 0 ' "		Long 0 ' "	
Facility ID		County FOND DU LAC	County Code 2 0	Civil Town/City/ or Village OAKFIELD	

Sample Number and Type	Length Alt. & Recovered (in)	Blow Counts	Depth in Feet (Below ground surface)	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	P 200	
0-4			1	CONCRETE FLOOR - 10"										NO ODOR
			2	DARK BROWN, MOIST, SILTY CLAY CHANGING TO BROWN, MOIST, SILTY CLAY WITH GRAVEL	CL									
			3											
4-8			4											NO ODOR 4'-6' SLIGHT PETROLEUM ODOR 6'-7' NO ODOR 7'-8'
			5	BROWN, MOIST, SILTY CLAY WITH GRAVEL CHANGING AT 6.0' BGS TO BROWN AND GRAY, MOIST TO WET, SILTY SAND WITH GRA- VEL CHANGING AT 7.0' BGS TO BROWN AND GRAY, MOIST, SILTY CLAY WITH GRAVEL	CL / SM / CL									
			6											
8-12			7											NO ODOR
			8											
			9	BROWN, MOIST, SILTY CLAY WITH GRAVEL CHANGING TO GRAY, MOIST, SILTY CLAY WITH GRAVEL	CL									
			10											
			11											
			12											

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Signature *J. J. Hosler* Firm THE ENVIRONMENTAL MANAGEMENT CO. LLC

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Number and Type	Sample		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
	Length Au. & Recovered (in)									Compressive Strength	Moisture Content	Liquid Limit	Plasticity Index	P 200	
12-16				13	GRAY, MOIST, SILTY CLAY WITH GRAVEL CHANGING TO GRAY, WET, SILTY AND SANDY CLAY WITH GRAVEL	CL / CL								NO ODOR	
				14											
				15											
				16											
16-20				17	GRAY, WET, SILTY CLAY WITH GRAVEL INTER-BEDED WITH GRAY, WET, SAND WITH GRAVEL AND GRAY, WET, CLAYEY SILT	CL / SW / ML							NO ODOR		
				18											
				19											
				20											
20-24	VOC	ANALYSES		21	GRAY, WET, CLAYEY SAND AND FINE SAND CHANGING AT 21.5' BGS TO GRAY, WET, CLAYEY SILT AND SILT	SC / SP / ML							NO ODOR		
				22											
				23											
				24											
					BOTTOM OF BORING										