

SOIL EVALUATION REPORT

in accordance with Comm 85, Wis. Adm. Code

Attach complete site plan on paper not less than 8 1/2 x 11 inches in size. Plan must include, but not limited to: vertical and horizontal reference point (BM), direction and percent slope, scale or dimensions, north arrow, and location and distance to nearest road.

Please print all information.

Personal information you provide may be used for secondary purposes (Privacy Law, s. 15.04 (1)(m)).

County	WAUKESHA
Parcel I.D.	
Reviewed by	Date

Property Owner MIKE SCHMIDT	Property Location Govt. Lot NW, SW 1/4 Sec 14 S 5 T 8 N R 18 E (SW)
Property Owner's Mailing Address 434 N LINDS RD	Lot # Block # Subd. Name or CSM#
City State Zip Code Phone Number OCONOMOC WI 53066 (262) 589 9304	<input type="checkbox"/> City <input type="checkbox"/> Village <input checked="" type="checkbox"/> Town Nearest Road MEEDON CTN CW

New Construction Use: Residential / Number of bedrooms _____ Code derived design flow rate _____ GPD

Replacement Public or commercial - Describe: _____

Parent material _____ Flood Plain elevation if applicable _____ ft.

General comments and recommendations: PRELIMINARY BORINGS AT HELEN DALRY TREN

Boring # 1 Boring Pit Ground surface elev. 989.5 ft. Depth to limiting factor >100 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft	
									*Eff#1	*Eff#2
Ao	0-9	10YR 3/3	---	SIL	2F5BK	MFR	AS	2F	0.6	0.8
B	9-17	7.5YR 4/4	---	CL	2F5BK	MFR	CW	1F	0.4	0.6
Bc	17-27	7.5YR 4/4	---	CL	1F5BK	MFR	AW	1F	0.2	0.3
C	27-100	10YR 6/4	---	GVS	CSG	ML	-	1F	0.7	1.6

Boring # 2 Boring Pit Ground surface elev. 986.3 ft. Depth to limiting factor 75 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft	
									*Eff#1	*Eff#2
Ao	0-10	10YR 3/3	---	SIL	2F5BK	MFR	AS	2F	0.6	0.8
B	10-38	7.5YR 4/4	---	CL	2F5BK	MFR	CW	1F	0.4	0.6
Bc	38-55	7.5YR 4/4	---	CBXCL	1F5BK	MFR	AW	1F	0.2	0.3
C	55-75	10YR 6/4	---	CAVSL	1F5BK	MFR	CW	-	0.4	0.7
C ₂	75-95	10YR 4/4	Pd spots 7.5YR 5/6	CBSL	1FCL	MFR	-	-	0.4	0.6

* Effluent #1 = BOD₅ > 30 ≤ 220 mg/L and TSS > 30 ≤ 150 mg/L * Effluent #2 = BOD₅ ≤ 30 mg/L and TSS ≤ 30 mg/L

CST Name (Please Print) ADN CARRICO	Signature 	CST Number 245389
Address 814 W335U HWY 18 DODDSD WI 53018	Date Evaluation Conducted 4-18-05	Telephone Number 262 968 2550

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3 Boring # Boring Pit Ground surface elev. 984.3 ft. Depth to limiting factor 52 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft	
									*Eff#1	*Eff#2
Ap	0-11	10YR 3/3	—	SL	2F5BK	MFR	AS	2F1M	0.6	0.8
B	11-34	7.5YR 4/4	—	CL	2F5BK	MFR	CW	1F1M	0.4	0.6
Bc	34-53	7.5YR 4/4	—	CSCL	1F5BK	MFR	AW	1F	0.2	0.3
C ₁	53-82	10YR 6/4	—	CSLFS	OSG	ML	CW	—	0.4	0.6
C ₂	82-87	10YR 6/4	FIF SPOTS 7.5YR 5/8	CSL	OM	MFR	—	—	0.2	0.6

4 Boring # Boring Pit Ground surface elev. 981.3 ft. Depth to limiting factor 42 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft	
									*Eff#1	*Eff#2
Ap	0-10	10YR 3/3	—	SL	2F5BK	MFR	AS	2F1M	0.6	0.8
B	10-42	7.5YR 4/4	—	CL	2F5BK	MFR	CW	1F1M	0.4	0.6
Bc	42-45	7.5YR 4/4	FIF SPOTS 7.5YR 5/8	CSCL	1F5BK	MFR	AW	1F	0.2	0.3
C	45-80	10YR 5/4	FIF SPOTS 7.5YR 5/8	SL LFS	1FPL	MFR	—	—	0.4	0.6



5 Boring # Boring Pit Ground surface elev. 985.9 ft. Depth to limiting factor 35 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft	
									*Eff#1	*Eff#2
Ap	0-11	10YR 3/3	—	SL	2F5BK	MFR	AS	2F	0.6	0.8
B	11-35	7.5YR 4/4	—	CL	2F5BK	MFR	AW	1F	0.4	0.6
C	35-70	10YR 6/4	FIF SPOTS 7.5YR 5/8	CSL	1FPL	MFR	—	1F	0.4	0.6

* Effluent #1 = BOD₅ > 30 ≤ 220 mg/L and TSS > 30 ≤ 150 mg/L * Effluent #2 = BOD₅ ≤ 30 mg/L and TSS ≤ 30 mg/L

The Department of Commerce is an equal opportunity service provider and employer. If you need assistance to access services or need material in an alternate format, please contact the department at 608-266-3151 or TTY 608-264-8777.

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Boring # 6 Boring
 Pit Ground surface elev. 928.2 ft. Depth to limiting factor 38 in.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/ft	
									*Eff#1	*Eff#2
Ap	0-12	10YR 3/3	—	SIL	2FSPK	MER	AS	ZE	0.6	0.8
B	12-38	7.5YR 4/4	—	CL	2FSPK	MER	AW	IF	0.4	0.6
C	38-77	10YR 5/4	FIF SPOTS 7.5YR 5/8	LSL	QU-IMP	MER	—	IF	0.2	0.5

Boring # 7 Boring
 Pit Ground surface elev. 998.5 ft. Depth to limiting factor 54 in.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/ft	
									*Eff#1	*Eff#2
Ap	0-12	10YR 3/3	—	SIL	2FSPK	MER	AS	IF	0.6	0.8
B	12-29	7.5YR 4/4	—	CL	2FSPK	MER	CW	IF	0.4	0.6
Bc	29-44	7.5YR 4/4	—	SCL	1FSPK	MER	AW	VF	0.2	0.3
C ₁	44-54	10YR 4/4	—	GS	OSG	ML	AW	—	0.7	1.6
C ₂	54-72	5YR 5/3	FIF SPOTS 7.5YR 5/8	LSL	IMP	MER	—	—	0.4	0.6

Boring # 8 Boring
 Pit Ground surface elev. 998.6 ft. Depth to limiting factor >107 in.

Horizon	Depth In.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate	
									GPD/ft	
									*Eff#1	*Eff#2
Ap	0-9	10YR 3/3	—	SIL	2FSPK	MER	AS	IF	0.6	0.8
B	9-31	7.5YR 4/4	—	CL	2FSPK	MER	CW	IF	0.4	0.6
Bc	31-44	7.5YR 4/4	—	GSCL	1FSPK	MER	AW	VF	0.2	0.3
C	44-107	10YR 4/4	—	GS	OSG	ML	—	—	0.7	1.6

* Effluent #1 = BOD₅ > 30 ≤ 220 mg/L and TSS > 30 ≤ 150 mg/L

* Effluent #2 = BOD₅ ≤ 30 mg/L and TSS ≤ 30 mg/L

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9 Boring # Boring Pit Ground surface elev. 1001.4 ft. Depth to limiting factor _____ in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft	
									*Eff#1	*Eff#2
A ₀	0-12	10YR 7/3	—	SIL	2P5BK	MFR	AS	IF	0.6	0.8
B	12-42	7.5YR 4/4	—	CL	2P5BK	MFR	CW	IF	0.4	0.6
BC	42-49	7.5YR 4/4	—	SL	1F5BK	MFR	AW	LVF	0.4	0.7
C	49-110	10YR 7/4	—	GS	OSG	ML	—	—	0.7	1.6

10 Boring # Boring Pit Ground surface elev. 991.0 ft. Depth to limiting factor 52 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft	
									*Eff#1	*Eff#2
A ₀	0-9	10YR 7/3	—	SIL	2F5BK	MFR	AS	IF	0.6	0.8
B	9-31	7.5YR 4/4	—	CL	2P5BK	MFR	CW	IF	0.4	0.6
BC	31-42	7.5YR 4/4	—	GCL	1F5BK	MFR	AW	LVF	0.2	0.3
C ₁	42-52	10YR 6/4	—	GS	OSG	ML	CW	—	0.7	1.6
C ₂	52-84	10YR 6/4	Fd spots 7.5YR 5/8	SIL	1FPL	MFR	—	—	0.4	0.6

11 Boring # Boring Pit Ground surface elev. _____ ft. Depth to limiting factor 95 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft	
									*Eff#1	*Eff#2
A ₀	0-12	10YR 7/3	—	SIL	2F5BK	MFR	AS	IF	0.6	0.8
B	12-45	7.5YR 4/4	—	CL	2P5BK	MFR	CW	IF	0.4	0.6
BC	45-52	7.5YR 4/4	—	GCL	1F5BK	MFR	AW	LVF	0.2	0.3
C ₁	52-95	10YR 6/4	—	GS	OSG	ML	AW	—	0.7	1.6
C ₂	95-106	10YR 6/4	Fd spots 7.5YR 5/8	SIL	1FPL	MFR	—	—	0.4	0.6

* Effluent #1 = BOD₅ > 30 ≤ 220 mg/L and TSS > 30 ≤ 150 mg/L

* Effluent #2 = BOD₅ ≤ 30 mg/L and TSS ≤ 30 mg/L

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12 Boring #

Boring
 Pit

Ground surface elev. 984.2 ft.

Depth to limiting factor >115 in.

Soil Application Rate

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPD/ft	
									*Eff#1	*Eff#2
									AP	0-11
B	11-50	7.5YR 4/4	—	CL	2F5BK	MFR	CW	IF	0.4	0.6
BC	50-62	7.5YR 4/4	—	GSCl	1F5BK	MFR	AW	LVF	0.2	0.3
C	62-115	10YR 5/4	—	GVLS	OSG	ML	—	—	0.7	1.0

13 Boring #

Boring
 Pit

Ground surface elev. 959.8 ft.

Depth to limiting factor >100 in.

Soil Application Rate

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPD/ft	
									*Eff#1	*Eff#2
									AP	0-9
B	9-38	7.5YR 4/4	—	CL	2F5BK	MFR	CW	IF	0.4	0.6
BC	38-47	7.5YR 4/4	—	GCL	1F5BK	MFR	AW	LVF	0.2	0.3
C	47-100	10YR 5/4	—	GVLS	OSG	ML	—	—	0.7	1.0

14 Boring #

Boring
 Pit

Ground surface elev. 987.8 ft.

Depth to limiting factor >110 in.

Soil Application Rate

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	GPD/ft	
									*Eff#1	*Eff#2
									AP	0-11
B	11-37	7.5YR 4/4	—	CL	2F5BK	MFR	CW	IF	0.4	0.6
BC	37-55	7.5YR 4/4	—	GCL	1F5BK	MFR	AW	IF	0.2	0.3
C	55-110	10YR 5/4	—	GVLS	OSG	ML	—	—	0.7	1.0

* Effluent #1 = BOD₅ > 30 ≤ 220 mg/L and TSS > 30 ≤ 150 mg/L

* Effluent #2 = BOD₅ ≤ 30 mg/L and TSS ≤ 30 mg/L

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Boring # Boring
 Pit Ground surface elev. 989.4 ft. Depth to limiting factor 7108 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft	
									*Eff#1	*Eff#2
AP	0-9	10YR 3/3	—	SIL	2FSPK	MRE	AS	2F	0.6	0.8
B	9-24	7.5YR 4/4	—	SCL	2FSPK	MRE	CW	2F	0.4	0.6
BC	24-40	7.5YR 4/4	—	GSC	1FSPK	MRE	AW	2F	0.2	0.3
C	40-108	10YR 6/4	—	CVS	OSG	ML	—	1F	0.7	1.6

Boring # Boring
 Pit Ground surface elev. 975.6 ft. Depth to limiting factor 37 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft	
									*Eff#1	*Eff#2
AP	0-13	10YR 3/3	—	SIL	2FSPK	MRE	AS	2F	0.6	0.8
B	13-39	7.5YR 4/4	—	CL	2FSPK	MRE	CW	1F	0.4	0.6
BC	39-51	7.5YR 4/4	Red spots 7.5YR 5/8	SCL	1FSPK	MRE	AW	1F	0.2	0.3
C ₁	51-101	10YR 5/4	Clay spots 7.5YR 5/8	GSL	OM-1FA	MRE	CW	—	0.2	0.6
C ₂	101-108	10YR 6/4	—	CVS	OSG	ML	CW	—	0.0	0.0
C ₃	108-120	10YR 5/4	Clay spots 7.5YR 5/8	GSL	OM	MRE	—	—	0.2	0.6

Boring # Boring
 Pit Ground surface elev. 981.5 ft. Depth to limiting factor >120 in.

Horizon	Depth in.	Dominant Color Munsell	Redox Description Qu. Sz. Cont. Color	Texture	Structure Gr. Sz. Sh.	Consistence	Boundary	Roots	Soil Application Rate GPD/ft	
									*Eff#1	*Eff#2
AP	0-10	10YR 3/3	—	SIL	2FSPK	MRE	AS	2F	0.6	0.8
B	10-31	7.5YR 4/4	—	CL	2FSPK	MRE	CW	1F	0.4	0.6
BC	31-47	7.5YR 4/4	—	GSC	1FSPK	MRE	AW	1F	0.2	0.3
C	47-120	10YR 6/4	—	GS	OSG	ML	—	—	0.7	1.6

* Effluent #1 = BOD₅ > 30 ≤ 220 mg/L and TSS > 30 ≤ 150 mg/L

* Effluent #2 = BOD₅ < 30 mg/L and TSS ≤ 30 mg/L

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