

# Crow Wing County Site Suitability Form

Property Owner: \_\_\_\_\_ Date: \_\_\_\_\_

Mailing Address: \_\_\_\_\_

City \_\_\_\_\_ State: \_\_\_\_\_ Zip \_\_\_\_\_ Phone Number: \_\_\_\_\_

Site Address: \_\_\_\_\_

City \_\_\_\_\_ State: \_\_\_\_\_ Zip \_\_\_\_\_

Legal Description: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp: \_\_\_\_\_ Range: \_\_\_\_\_ Township Name: \_\_\_\_\_

Parcel Number: \_\_\_\_\_ Lake/ River: \_\_\_\_\_

Lake/River Classification: \_\_\_\_\_

### Description of Soil Treatment Areas

	(Proposed) Site #1	(Alternate) Site #2
Disturbed Areas	Yes _____ No _____	Yes _____ No _____
Compacted Areas	Yes _____ No _____	Yes _____ No _____
Flooding	Yes _____ No _____	Yes _____ No _____
Run on Potential	Yes _____ No _____	Yes _____ No _____
Limiting Layer Depth	SB1 _____ SB2 _____	SB1 _____ SB2 _____
Slope %	_____	_____
Soil Texture	Soil _____	_____
Sizing Factor	_____	_____
Landscape Position	_____	_____
Vegetation Types	_____	_____

### **Soil Sizing Factors/Hydraulic Loading Rates**

Perc. Rate	Texture	SSF	HLR	Perc. Rate	Texture	SSF	HLR
<0.1	Coarse Sand			16 to 30	Loam	1.67	0.60
0.1 to 5	Sand	0.83	1.20	31 to 45	Silt Loam	2.00	0.50
0.1 to 5	Fine Sand	1.67	0.60	46 to 60	Clay Loam	2.20	0.45
6 to 15	Sandy Loam	1.27	0.79	> 60	Clay Loam	****	0.24

Print Designer Name and License Number: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone Number: \_\_\_\_\_ E-Mail Address: \_\_\_\_\_

Designer Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Comments/ Driving Directions: \_\_\_\_\_

# Crow Wing County Site Suitability Soils Information

Parcel Number: \_\_\_\_\_ Property Owner: \_\_\_\_\_ Date: \_\_\_\_\_

Designer's Initials: \_\_\_\_\_

## Proposed Site Boring #1

Depth (in)	Texture	Coarse Frag. %	Color	Structure	Redox

## Proposed Site Boring #2

Depth (in)	Texture	Coarse Frag. %	Color	Structure	Redox

## Alternate Site Boring #1

Depth (in)	Texture	Coarse Frag. %	Color	Structure	Redox

## Alternate Site Boring #2

Depth (in)	Texture	Coarse Frag. %	Color	Structure	Redox

## Soil Sizing Factors/Hydraulic Loading Rates

Perc. Rate	Texture	SSF	HLR	Perc. Rate	Texture	SSF	HLR
<0.1	Coarse Sand			16 to 30	Loam	1.67	0.60
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6 to 15	Sandy Loam	1.27	0.78	> 60	Clay Loam	****	0.24

## Description of Soil Treatment Areas

	Proposed Site		Alternate Site	
Disturbed Areas?				
Compacted Areas?				
Flooding Potential?				
Run-on Potential?				
Limiting Layer Depth	Proposed #1:	Proposed #2:	Alternate #1:	Alternate #2:
Slope % and Direction				
Landscape Position				
Vegetation Types				
Soil Texture				
Soil Sizing Factor				

# Crow Wing County Site Suitability Site Plan

Parcel Number: \_\_\_\_\_ Property Owner: \_\_\_\_\_ Date: \_\_\_\_\_

Please Draw to Scale with North Arrow to top or Left Side of Page



*Click in the sketch area below to import an existing sketch (PDF or JPG format).  
Drawing tools are also available in the Comments Toolbar of Adobe Reader.*

**Please show all that apply (Existing or Proposed):**

Wells within 100 ft. of a Drainfield  
Water lines within 10 ft. of a Drainfield  
Drainfield Areas  
Boring Locations

Disturbed/Compacted Areas  
Component Location  
OHW  
Lot Easements

Access Route for Tank Maintenance  
Property Lines  
Structures  
Setbacks

**Elevations:**

Benchmark Elevation: \_\_\_\_\_  
Elevation of Sewer Line at House: \_\_\_\_\_  
Tank Inlet Elevation: \_\_\_\_\_  
Drainfield Elevation: \_\_\_\_\_

Pump Elevation: \_\_\_\_\_  
Pump Discharge Elevation: \_\_\_\_\_  
Restricting Layer Elevation: \_\_\_\_\_

Designer Signature: \_\_\_\_\_ Date: \_\_\_\_\_ License Number: \_\_\_\_\_

**SUBMIT COMPLETED FORM**