

**SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM**

(Complete all fields in full)

OWNER: Smith, Douglas DATE EVALUATED: \_\_\_\_\_

ADDRESS: 14 Decay Spring

PROPOSED FACILITY: SFD PROPOSED DESIGN FLOW (.0400): 480 GPD PROPERTY SIZE: \_\_\_\_\_

LOCATION OF SITE: Same PROPERTY RECORDED: \_\_\_\_\_

WATER SUPPLY: Public Single Family Well Shared Well Spring Other \_\_\_\_\_ WATER SUPPLY SETBACK: \_\_\_\_\_

EVALUATION METHOD: Auger Boring Pit Cut TYPE OF WASTEWATER: Domestic High Strength IPWW

P R O F I L E  #	.0502 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY		OTHER PROFILE FACTORS				.0509 PROFILE CLASS & LTAR*	.0503 SLOPE CORRE CTION	
			.0503 STRUCTURE/ TEXTURE	.0503 CONSISTENCE/ MINERALOGY	.0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ			
1	L 2-5%	0-30	LS	Fr/nsp/mxp	>48"	>48"	-	-	S .4		
		30-48	sci	fi/ssp/lsxp							
2	L 2-5%	0-18	LS	Fr/nsp/mxp	>48"	>48"	-	-	S .4		
		18-48	sci	fi/ssp/lsxp							
3	L 2-5%	0-20	LS	Fr/nsp/mxp	>48"	>48"	-	-	S .4		
		20-48	sci	fi/ssp/lsxp							
4											

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	SITE CLASSIFICATION (.0509): EVALUATED BY: <u>MDH DEHS</u> OTHER(S) PRESENT: <u>A.W.</u>
Available Space (.0508)	✓	✓	
System Type(s)	<u>25% red</u>	<u>25% ind</u>	
Site LTAR	<u>.4</u>	<u>.4</u>	
Maximum Trench Depth	<u>30"</u>	<u>30"</u>	

Comments: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

# LEGEND

LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft <sup>2</sup> )	SAPROLITE LTAR (gpd/ft <sup>2</sup> )	LPP LTAR (gpd/ft <sup>2</sup> )	MINERALOGY/ CONSISTENCE		STRUCTURE
						MOIST	WET	
CC (Concave slope)	I	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 - 0.6	Mo	NS	SG (Single grain)
CV (Convex Slope)		LS (Loamy sand)		0.5 - 0.7		Lo (Loose)	(Non-sticky)	M (Massive)
D (Drainage way)	II	SL (Sandy loam)	0.6 - 0.8	0.4 - 0.6	0.3 - 0.4	VFR (Very friable)	SS (Slightly sticky)	GR (Granular)
FP (Flood plain)		L (Loam)		0.2 - 0.4		FR (Friable)	S (Sticky)	SBK (Subangular blocky)
FS (Foot slope)	III	SiL (Silt loam)	0.3 - 0.6	0.1 - 0.3	0.15 - 0.3	FI (Firm)	VS (Very sticky)	ABK (Angular blocky)
H (Head slope)		SCL (Sandy clay loam)		0.05 - 0.15**		VFI (Very firm)	NP (Non-plastic)	PR (Prismatic)
L (Linear Slope)		CL (Clay loam)		None		EFL (Extremely firm)	SP (Slightly plastic)	PL (Platy)
N (Nose slope)		SiCL (Silty clay loam)					P (Plastic)	
R (Ridge/summit)		Si (Silt)					VP (Very plastic)	
S (Shoulder slope)	IV	SC (Sandy clay)	0.1 - 0.4	0.05 - 0.2	SEXP (Slightly expansive)			
T (Terrace)		SiC (Silty clay)			EXP (Expansive)			
TS (Toe Slope)		C (Clay)						
		O (Organic)	None					

\* Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

\*\*Sandy clay loam saprolite can only be used with advanced pretreatment in accordance with 15A NCAC 18E .1200.

*HORIZON DEPTH*

In inches below natural soil surface

*DEPTH OF FILL*

In inches from land surface

*RESTRICTIVE HORIZON*

Thickness and depth from land surface

*SAPROLITE*

S(suitable) or U(unsuitable); Evaluation of saprolite shall be by pits.

*SOIL WETNESS*

Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation

*CLASSIFICATION*

S (Suitable) or U (Unsuitable)

Show profile locations and other site features (dimensions, reference or benchmark, and North).

