

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM  
 (Complete all fields in full)

DATE EVALUATED: 10-17-24

OWNER: Murray Johnson

ADDRESS: 4550 Cokesbury Rd, Fuquay

PROPOSED FACILITY: SFD

PROPOSED DESIGN FLOW (.0400): 360

PROPERTY SIZE: \_\_\_\_\_

PROPERTY RECORDED: \_\_\_\_\_

LOCATION OF SITE: \_\_\_\_\_

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

PROFILE #	.0502 LANDSCAPE POSITION/SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY		OTHER PROFILE FACTORS				.0509 PROFILE CLASS & LTAR*	.0503 SLOPE CORRECTION
			.0503 STRUCTURE/TEXTURE	.0503 CONSISTENCE/MINERALOGY	.0504 SOIL WETNESS/COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ		
1/3	2-3% LS	0-25	SL, 9'		7.5YR 7/2=31"	48"			.3	
		25-31	SCL, SBK	Fr, SS, SP, SE						
		31-48	CL, 1/2 SBK							
2	2-3% LS	0-7	SL, 2'		7.5YR 7/1=38"	48"			.3	
		7-38	SCL, SBI	FE, SS, SP, SE						
		38-48	CL, 1/2 SBK							
4	2-3% LS	0-16	SL, 9'			30"			.45	
		16-30	SCL, SBK	Fr, SS, NP, SE						
		30-N/A	Pit dug shallow							
5/6	2-3% LS	0-30	SL, 9'			38"			.45	
		30-38	SCL, SBK	Fr, SS, NP, SE						
		38-N/A	Pit dug shallow							

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
System Type(s)	25% Red	25% Red
Site LTAR	.3	.45
Maximum Trench Depth	18-19" max	18-26"

SITE CLASSIFICATION (.0509): S

EVALUATED BY: PL

OTHER(S) PRESENT: \_\_\_\_\_

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	MOIST	WET	SG (Single grain)		
CV (Convex Slope)		LS (Loamy sand)		0.5 - 0.7		Lo (Loose)	NS (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 block)		
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		0.15 - 0.3	None	EFI (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 saporlite 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 saporlite 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).**

