DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 1
PROPERTY ID #: 3784647753
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Robert McNeely
ADDRESS: 1020 Marissa Ln Las Cruces NM
PROPOSED FACILITY: Barn w/Bath
LOCATION OF SITE: 1060 Sharon School Rd.
WATER SUPPLY: • Private • Public • Well • Spring • Other
EVALUATION METHOD: • Auger Boring • Pit • Cut

APPLICATION DATE 2-3-14
DATE EVALUATED: 2-26-14
PROPERTY SIZE: 19.178 acres
PROPERTY RECORDED: Yes
PROPOSED DESIGN FLOW (.1949): 1000 gpd
TYPE OF WASTEWATER: • Sewage • Industrial Process • Mixed N/A

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	8% slight HS	0-22	C micaSBK	Fr SS/SP Mod SE	>48"	>48"	>48"	>48"	PS 0.275
		22-48	CL micaWSBK	Fr Mod SE					
2	3% slight HS	0-6	SCL SBK	Fr SS/SP Mod SE	>48"	>48"	>48"	>48"	PS 0.275
		6-25	C micaSBK	Fr SS/SP Mod SE					
		25-48	CL micaWSBK	Fr Mod SE					
3	8% HS	0-8	SCL SBK	Fr Mod SE	>48"	>48"	>48"	>48"	PS 0.275
		8-26	C micaSBK	Fr Mod SE					
		26-48	CL micaWSBK	Fr Mod SE					
4	8% HS	0-6	SCL SBK	Fr Mod SE	>48"	>48"	>48"	>48"	PS 0.275
		6-25	C mica/mag deposits SBK	Fr Mod SE					
		25-48	CL micaWSBK	Fr Mod SE					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	II	II
LTAR	0.275	0.275

OTHER FACTORS (.1946): N/A
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Justin Henderson
OTHER(S) PRESENT: N/A

COMMENTS: N/A

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope)	I	S (Sand)	1.2 - 0.8	0.6 - 0.4	NEXP (Non-expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)			SEXP (Slightly Expansive)	M (Massive)
D (Drainage Way)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3	EXP (Expansive)	CR (Crumb)
DS (Debris Slump)		L (Loam)				GR (Granular)
FP (Flood Plain)	III	Si (Silt)	0.6 - 0.3	0.3 - 0.15		SBK (Subangular Blocky)
FS (Foot Slope)		SiCL (Silty Clay Loam)				ABK (Angular Blocky)
H (Head Slope)		CL (Clay Loam)				PL (Platy)
L (Linear Slope)		SCL (Sandy Clay Loam)				PR (Prismatic)
N (Nose Slope)		SiL (Silt Loam)				
R (Ridge)	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	MOIST	WET
S (Shoulder Slope)		SiC (Silty Clay)			VFR (Very Friable)	NS (Non-sticky)
T (Terrace)		C (Clay)			FR (Friable)	SS (Slightly Sticky)
		O (Organic)			FI (Firm)	S (Sticky)
			None	None	VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
					EFI (Extremely Firm)	NP (Non-plastic)
						SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

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

NOTES

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)

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), PS (Provisionally Suitable), or U (Unsuitable)

Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft^2

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

