DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 1

PROPERTY ID #: 4654773428

COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: K. M. Zapadka

ADDRESS: 132 Sink Farm Rd

APPLICATION DATE 8-5-14

PROPOSED FACILITY: SFD

PROPOSED DESIGN FLOW (.1949): 360 gpd

DATE EVALUATED: 9-6-14

LOCATION OF SITE: 130 Sink Farm Rd

PROPERTY SIZE: 0.47 acres

WATER SUPPLY: • Private • Public • Well • Spring • Other N/A

PROPERTY RECORDED: Yes

EVALUATION METHOD: • Auger Boring • Pit • Cut

TYPE OF WASTEWATER: • Sewage • Industrial Process • Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	14% slight HS	0-16	C micaSBC	Fi Mod SE	+48"	+48"	+48"	+48"	PS 0.3
		16-48	CL Sap Ind micaSBC	Fi Mod SE					
2	12% slight HS	0-36	C micaSBC	Fi Mod SE	+48"	+48"	+48"	+48"	PS 0.3
		36-48	CL Sap Ind micaWSBK	Fi Mod SE					
3	9% slight HS	0-32	C micaSBK	Fi Mod SE	+48"	+48"	+48"	+48"	PS 0.3
		32-48	CL Sap Ind micaWSBK	Fi Mod SE					
4	6% slight HS	0-36	C micaSBK	Fi Mod SE	+48"	+48"	+48"	+48"	PS 0.3
		36-48	CL Sap Ind micaWSBK	Fi Mod SE					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	III	I/E
Site LTAR	0.3	0.3

OTHER FACTORS (.1946): N/A

SITE CLASSIFICATION (.1948): PS

EVALUATED BY: Just Abenders

OTHER(S) PRESENT: N/A

COMMENTS: N/A

LEGEND

use the following standard abbreviations

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

MOIST	WET
VFR (Very Friable)	NS (Non-sticky)
FR (Friable)	SS (Slightly Sticky)
FI (Firm)	S (Sticky)
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.

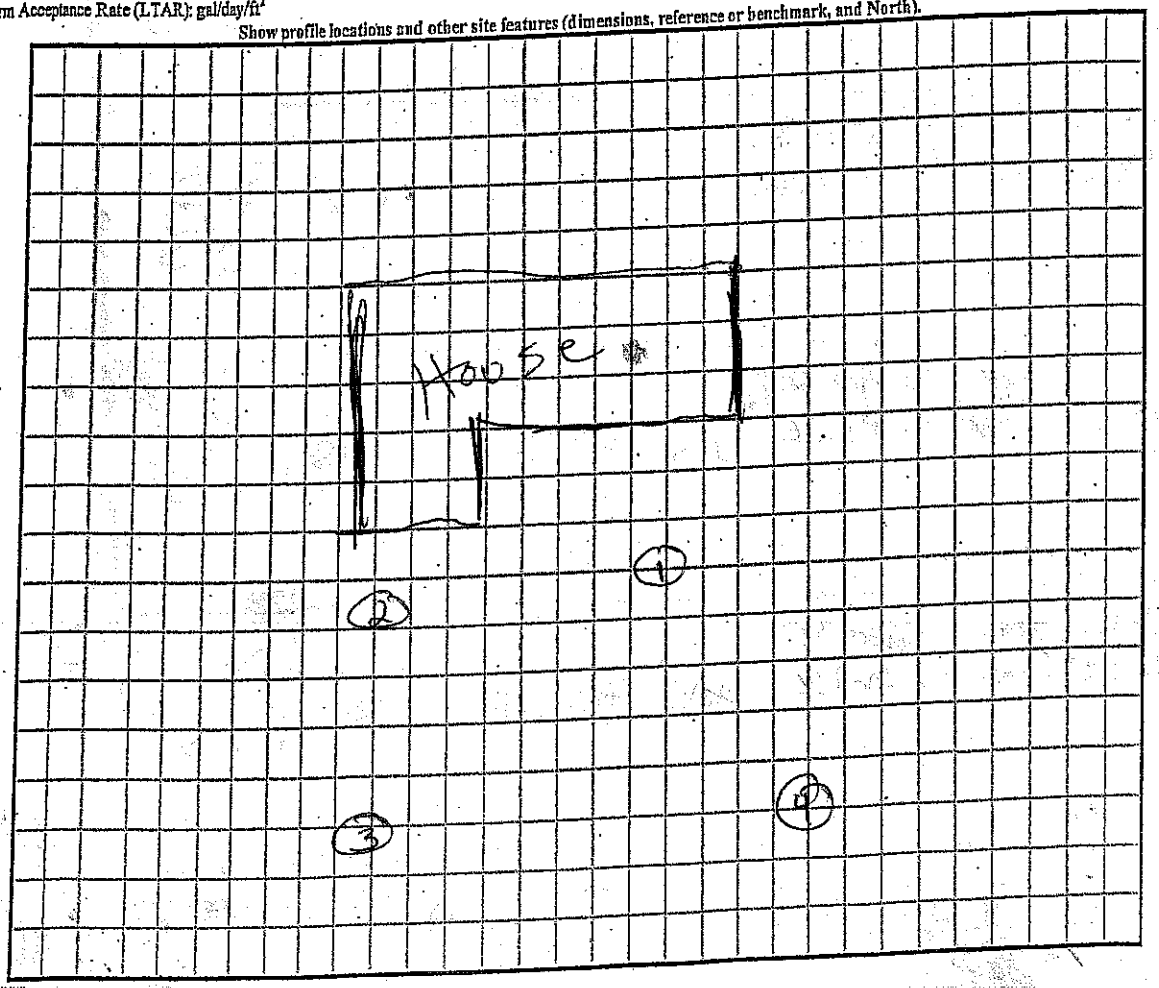
NOTES

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).



DENR (######)
Review (######)