DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet 1 of 1
PROPERTY ID #: 4676-62-8181
COUNTY: IREDELL

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Joel Patterson
ADDRESS: 109-C WILLIAMSON RD, MOORESVILLE, NC 28117
PROPOSED FACILITY: 4 BR SFD
LOCATION OF SITE: LOT #21 Walden Ridge S/D
WATER SUPPLY: ☒ Private ☐ Public ☒ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut

APPLICATION DATE
DATE EVALUATED: 7-25-06
PROPOSED DESIGN FLOW (.1949): 480 GPD
PROPERTY SIZE: 1.0 ACRE
PROPERTY RECORDED:
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

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	L ~5%	0-4	W,M sbk,scl	Fr, SS, NP, SOAP	N/A w/ SAP Drclus.	~38"	L	>53"	PS 0.30
		4-24	W,M,sbk,C	Fr, SS, sP, SOAP					
		24-38	W,M,sbk,C	Fr, SS, sP, SOAP					
		38-53	CL + SAP MIX (≥50% SAP)						
2	L ~4%	0-3	Gr, scl	Fr, SS, NP, SOAP	N/A (w/ SAP Drclus.)	~31"	SiL	>36"	PS 0.30
		3-31	Mo,M,sbk,C	Fr/Fi, SSS, SOAP					
		31-48	C + SAP MIX (≥50% SAP)						
		48-56	SiL SAP						
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	II	IV
Site LTAR	0.30	0.30

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: P. Mitchell
OTHER(S) PRESENT: S. Hedrick

COMMENTS: