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

Sheet ___ of ___
PROPERTY ID #: _____
COUNTY: _____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Lowes
ADDRESS: → 36 Employees at 25 gal/employee
PROPOSED FACILITY: Commercial
LOCATION OF SITE: 115 N TR Hanson Rd on
APPLICATION DATE _____
DATE EVALUATED: 3/20/08
PROPOSED DESIGN FLOW (.1949): 900 gpd
PROPERTY SIZE: _____
PROPERTY RECORDED: _____

WATER SUPPLY: ☐ Private ☑ Public ☐ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☑ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☑ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
A 1	L 3-5%	0-18	msbk C	fi/fr ss sp Sap					PS .3
		18-48	msbk CL	fr, ss, sp, Sap	few Sap	few quartz			
B 2	L 5%	0-24	msbk C	fi/ss sp Sap					PS .3
		24-48	msbk CL	fr ss sp Sap	few sap				
C 3	Slightly Concave 3% Repair	0-10	gr sc l Br	vfr ss so Sap					PS .25
		10-25	msbk C	fi ss p Sap					
		25-37	msbk C	fr ss, p, Sap					
		37-48	msbk CL	fr ss sp Sap					
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	PM 25%	LAPPBPS
Site LTAR	.3	.25

OTHER FACTORS (.1946): PS
SITE CLASSIFICATION (.1948): _____
EVALUATED BY: Anthony Cobb
OTHER(S) PRESENT: Paul of SIME

S&ME, INC.
SITE/SOIL EVALUATION

Project No. _____ **Phone No.** _____ **Date:** 3-12-08
Location Houston Rd. **Pin** _____ **County:** Iredell **Property Size** _____

Proposed Facility: Planogram Facility **Water Supply:** **On-Site Well** ☐ **Evaluation:** **Auger Boring** ☒
Community ☐ **Pit** ☐
Described By: Martin Drake & Paul Pennington **Public** ☐ **Cut** ☐
Weather: _____ **Antecedent Moisture** _____ **Surface Water:** _____

FACTORS	PROFILE #1	PROFILE #2	PROFILE #3	PROFILE #4
Landscape Position %	L ~8%	L 4-6%	L - 6-8%	L 6-8%
Horizon Depth I	0-6	0-4	0-2	0-2
Color Munsell	RB	Br	Br	Br
Texture	scl	scl	scl	scl
Structure	wsbk	wsbk	wsbk	wsbk
Consistence	FR SS SP	FR SS SP	FR SS SP	FR SS SP
Boundary				
Horizon Depth II	6-34	4-18	2-28	2-28
Color – Munsell	R	R	R	R
Texture	C	cl	C	C
Mottles	F: YB F: WR	F: Segmental	—	—
Structure	msbk	msbk	msbk	msbk
Consistence	FR SS SP	FR SS SP	FR/FR SS SP	FR/FR SS SP
Boundary				
Horizon Depth III	34-48	18-48	28-48	28-48
Color – Munsell	mott	Red	Red	Red
Texture	sl	cl	cl	cl
Mottles	—	F: Fibrous Inches	F: Segmental	F: Segmental
Structure	Mass	wsbk	wsbk	wsbk
Consistence	FR SS SP	FR SS SP	FR SS SP	FR SS SP
Boundary				
Horizon Depth IV				
Color – Munsell				
Texture				
Mottles				
Structure				
Consistence				
Boundary				
Soil Wetness	N/A	N/A	N/A	N/A
Restrictive Horizon	N/A	N/A	N/A	N/A
Saprolite				
LTAR	0.25 10.3 acre	0.3	0.3	0.3
Classification	PS	PS	PS	PS

LEGEND

LANDSCAPE POSITION

R	Ridge Interfluve
S	Shoulder
L	Linear Slope
S	Foot Slope
N	Nose Slope
H	Head Slope
Cc	Concave Slope
Cv	Convex Slope
T	Terrace
P	Flood Plain

TEXTURE

s	sand
ls	loamy sand
sl	sandy loam
l	loam
si	silt
sil	silt loam
sicl	silty clay loam
cl	clay loam
scl	sandy clay loam
sc	sandy clay
sic	silty clay
c	clay

CONSISTENCE WET

Ns	non-sticky
Ss	slightly sticky
S	sticky
Vs	very sticky
Np	non-plastic
Sp	slightly plastic
P	plastic
Vp	very plastic

MOIST

vfr	Very friable
fr	friable
fi	firm
vfi	Very firm

STRUCTURE

sg	single grain
m	massive
cr	crumb
gr	granular
sab	subangular blocky
ab	angular blocky
pl	platy
pr	prismatic

S&ME, INC.
SITE/SOIL EVALUATION

Project No. _____ **Phone No.** _____ **Date:** 3-12-08
Location Houston Rd. **Pin** _____ **County:** Iredell **Property Size** _____

Proposed Facility: Planogram Facility **Water Supply:** **On-Site Well** ☐ **Evaluation:** **Auger Boring** ☒
Community ☐ **Pit** ☐
Described By: Martin Make & Paul Renniger **Public** ☐ **Cut** ☐
Weather: _____ **Antecedent Moisture** _____ **Surface Water:** _____

FACTORS	PROFILE #5	PROFILE #6	PROFILE #7	PROFILE #8
Landscape Position %	L 6-8%	L 2-4%	L 4-6%	
Horizon Depth I	0-4	0-5	0-5	0-11
Color Munsell	BR	BR	BR	RB
Texture	scl	scl	scl	scl
Structure	wsbk	wsbk	wsbk	wsbk
Consistence	FR SS SP	FR	FR	FR SS SP
Boundary				
Horizon Depth II	4-20	5-20	5-38	11-34
Color – Munsell	RB	R	R	R
Texture	c	c	c	c
Mottles	F:C YB	F:C YB	F:C YB	F:YB
Structure	msbk	msbk	msbk	msbk
Consistence	FR SS SP	FR SS SP	FR SS SP	FR SS SP
Boundary				
Horizon Depth III	20-32	20-48	38-46	34-48
Color – Munsell	R	R	R	R
Texture	c	scl	scl	scl
Mottles	—	C: Soap Rocks	F:C YB	F:YB & Soap Rocks
Structure	msbk	wsbk	wsbk	wsbk
Consistence	FR SS SP	FR SS SP	FR SS SP	FR SS SP
Boundary				
Horizon Depth IV	32-48		46-48+	
Color – Munsell	R		C	
Texture	cl		scl	
Mottles	—		F 10YR 6/2	
Structure	wsbk		wsbk	
Consistence	FR SS SP		FR SS SP	
Boundary				
Soil Wetness	N/A	N/A		
Restrictive Horizon	N/A	N/A		
Saprolite				
LTAR	0.3	0.25 to 20"/0.35	>20" 0.2/0.25	0.25
Classification	PS	PS	PS	PS

LEGEND

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S&ME, INC.
SITE/SOIL EVALUATION

Project No. _____ **Phone No.** _____ **Date:** 3-12-07
Location Houston Rd **Pin** _____ **County:** Iredell **Property Size** _____

Proposed Facility: Phanogram Facility **Water Supply:** **On-Site Well** ☐ **Evaluation:** **Auger Boring** ☒
Community ☐ **Pit** ☐
Described By: Martin Marbe & Paul Pennington **Public** ☐ **Cut** ☐
Weather: _____ **Antecedent Moisture** _____ **Surface Water:** _____

FACTORS	PROFILE 9	PROFILE 10	PROFILE	PROFILE
Landscape Position %	Cc 8-10%	T 8%		
Horizon Depth I	0-6	0-5		
Color Munsell	BR	BR		
Texture	scl	scl		
Structure	wsbk	wsbk		
Consistence	FR SS SP	FR SS SP		
Boundary				
Horizon Depth II	6-18	5-25		
Color – Munsell	R	R		
Texture	scl	c		
Mottles	—	—		
Structure	msbk	msbk		
Consistence	FR SS SP	FR SS SP		
Boundary				
Horizon Depth III	18-25	25-47		
Color – Munsell	R	R		
Texture	c	c		
Mottles	FIC PB	CiYB Fi Sp		
Structure	msbk	msbk/mssbk		
Consistence	FR SS SP	FR SS SP		
Boundary				
Horizon Depth IV	25-35			
Color – Munsell	R			
Texture	scl			
Mottles	Fi Sp Prom			
Structure	wsbk			
Consistence	FR SS SP			
	35-48			
	R			
Boundary	scl			
Soil Wetness	Ci Sp Prom	N/A		
Restrictive Horizon	wsbk	N/A		
Saprolite	FR SS SP			
LTAR	0.25 to 0.35	0.25		
Classification	PS	PS		
	0.3 to 0.5			

LEGEND

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