Project #:
Property ID #:
County: Iredell

SOIL/SITE EVALUATION

Sheet:
Date Evaluated: 11/13/10

Owner or Client: Crescent Resources
Proposed Facility: House — Design Flow: [redacted] 360
Location of Site: Gatehouse & Pomroy
Soil Described By: KMS — Others Present: APS
Antecedent Moisture: — Weather: 45°F clear, Sunny

Property Size: 2.746 Ac
Site LTAR: Int. 0.3 Rep. 0.3
Site Classification: PS

panel Block initial
panel Block Repair

Water Supply: [ ] Public [ ] Community [X] On-Site Well [ ] Spring [ ] Other
Evaluation Method: [X] Auger Boring [X] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY: Structure/ Texture	SOIL MORPHOLOGY: Consistence Mineralogy	PROFILE FACTORS: Inclusions	Matrix Color	Mottles	Profile Notes (Restr Horiz, Soil Depth, Coarse Frag, etc...)	Profile Class & LTAR
Pit 1 Repair	L 6%	0-22	Mo SBK/WK ABK C	FR SS/SP		Red			0.3 OK
		22-40	WK SBK CL	FR SS/SP	F/C Sap	Red			
		40-48	MA L Sap	FR SS/SP		yel Red			
2 Repair	L 4%	0-14	Mo SBK C	FR SS/SP		Red			0.3
		14-48	WK SBK CL	FR SS/SP	C/M Sap	Red yel			
Pit 3 Initial	L 10%	0-20	Mo SBK C	FR SS/SP		Red			0.3 OK
		20-38	WK SBK CL	FR SS/SP	F/C Sap	yel Red			
		38-48	MA SL Sap	FR SS/SP		yel Red			
Pit 4 Outside out Repair	SH 6%	0-14	Mo SBK C	Fi SS/SP		Red	F yel Br, Pale Br		OK 0.25 (Better Deeper)
		14-31	Mo/WK SBK CL	FR SS/SP	F Mn (14-20")	Red yel		C, Sap	
		31-48	MA SL Sap	FR NS/NP		yel Red			
5	L	0-20	WK SBK C	Fi SS/SP	C sap	Red	C 2 Chroma	start @ 8"	US
		20-30	MA SL Sap	FR SS/NP		Red		C, Clay inc	
			↳ C	2 Chroma	4 yel Br around		soil inc		
Start at 6	L 8%	0-18	Mo ABK C	Fi SS/SP	F Sap	DK Red			0.3
		18-40	WK SBK CL	FR SS/SP	F/C Sap	yel Red			
		40-53	MA SL Sap	FR NS/NP		yel Red			

COMMENTS:

Approved IcHD
1-11-11
JM

Project #: _____
Property ID #: _____
County: _____

SOIL/SITE EVALUATION

Sheet: _____
Date Evaluated: _____

Owner or Client: _____
Proposed Facility: _____ Design Flow: _____ Property Size: _____
Location of Site: _____
Soil Described By: _____ Others Present: _____ **Site LTAR:** Int. _____ Rep. _____
Antecedent Moisture: _____ Weather: _____ **Site Classification:** _____

Water Supply: [ ] Public [ ] Community [ ] On-Site Well [ ] Spring [ ] Other
Evaluation Method: [ ] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [ ] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY Structure/ Texture	SOIL MORPHOLOGY Consistence Mineralogy	PROFILE FACTORS Inclusions	PROFILE FACTORS Matrix Color	PROFILE FACTORS Mottles	PROFILE FACTORS Profile Notes (Restr Horiz, Soil Depth, Coarse Frag, etc...)	Profile Class & LTAR
7 X	L 3%	0-20	Mo SBK C	FR SS/SP		Red			0.3
		20-48	WK SBK CL	FR SS/SP	F/C Sap	Red		F Quartz	
		48"	Sap (SL)						
8 X	L 6%	0-22	Mo SBK C	FR SS/SP		Red			0.3
		22-48	WK SBK CL	FR SS/SP	C Sap	yel Red			
9 X Not in System	L	0-24	WK ABK C	FR S/P		Red	F/C Br		0.25
		24-48	WK SBK CL	FR SS/SP					
10 X Initial	L 10%	0-24	Mo SBK C	FR SS/SP		Red			0.3
		24-40	WK SBK CL	FR SS/SP	C Sap	Red			
		40-48	MA L Sap	FR SS/SP	F CL Soil	yel Red			
5									
6									

COMMENTS: