

Table ENG-6. - Sanitary Facilities

City of Richmond, Virginia

The information in this table indicates the dominant soil condition, but does not eliminate the need for onsite investigation. The numbers in the value column range from 0.01 to 1.00. The larger the value, the greater the potential limitation. Limiting features in this report are limited to the top 5 limitations. Additional limitations may exist.

Map Symbol and Soil Name	Pct of Map Unit	Trench Sanitary Landfill		Area Sanitary Landfill		Daily Cover for Landfill	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
1B:							
Abell	85	Very limited		Very limited		Somewhat limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.25
		Seepage	1.00			Seepage	0.21
2B:							
Appling	85	Very limited		Not limited		Somewhat limited	
		Seepage	1.00			Too clayey	0.50
		Too clayey	0.50			Hard to compact	0.50
3B:							
Appling	85	Very limited		Not limited		Somewhat limited	
		Seepage	1.00			Too clayey	0.50
		Too clayey	0.50			Hard to compact	0.50
3C:							
Appling	85	Very limited		Somewhat limited		Somewhat limited	
		Seepage	1.00	Slope	0.04	Too clayey	0.50
		Too clayey	0.50			Hard to compact	0.50
		Slope	0.04			Slope	0.04
3D:							
Appling	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Seepage	1.00			Too clayey	0.50
		Too clayey	0.50			Hard to compact	0.50
4C:							
Appling	45	Very limited		Somewhat limited		Somewhat limited	
		Seepage	1.00	Slope	0.04	Too clayey	0.50
		Too clayey	0.50			Hard to compact	0.50
		Slope	0.04			Slope	0.04
Wedowee	40	Somewhat limited		Somewhat limited		Somewhat limited	
		Slope	0.04	Slope	0.04	Hard to compact	0.50
						Slope	0.04
4D:							
Appling	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Seepage	1.00			Too clayey	0.50
		Too clayey	0.50			Hard to compact	0.50
Wedowee	40	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Hard to compact	0.50

Table ENG-6. - Sanitary Facilities - Continued

City of Richmond, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Trench Sanitary Landfill		Area Sanitary Landfill		Daily Cover for Landfill	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
5A:							
Atlee	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to cemented pan	1.00	Depth to cemented pan	1.00
		Too clayey	0.50	Depth to saturated zone	1.00	Depth to saturated zone	0.86
						Too clayey	0.50
6A:							
Augusta	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Seepage	1.00				
7B:							
Bourne	85	Very limited		Very limited		Very limited	
		Depth to thick cemented pan	1.00	Depth to cemented pan	1.00	Depth to cemented pan	1.00
		Seepage	1.00	Depth to saturated zone	0.75	Depth to saturated zone	0.86
		Depth to saturated zone	1.00				
7C:							
Bourne	85	Very limited		Very limited		Very limited	
		Depth to thick cemented pan	1.00	Depth to cemented pan	1.00	Depth to cemented pan	1.00
		Seepage	1.00	Depth to saturated zone	0.75	Depth to saturated zone	0.86
		Depth to saturated zone	1.00	Slope	0.04	Slope	0.04
8C:							
Cecil	85	Very limited		Somewhat limited		Somewhat limited	
		Seepage	1.00	Slope	0.04	Too clayey	0.50
		Too clayey	0.50			Hard to compact	0.50
		Slope	0.04			Slope	0.04
8D:							
Cecil	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Seepage	1.00			Too clayey	0.50
		Too clayey	0.50			Hard to compact	0.50
9A:							
Chastain	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too Sandy	1.00
		Seepage	1.00	Seepage	1.00	Seepage	1.00
Nawney	6	Not Rated		Not Rated		Not Rated	

Table ENG-6. - Sanitary Facilities - Continued

City of Richmond, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Trench Sanitary Landfill		Area Sanitary Landfill		Daily Cover for Landfill	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
9A:							
Johnston	4	Not Rated		Not Rated		Not Rated	
10A:							
Chewacla	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Too Sandy	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Too Sandy	1.00			Seepage	1.00
Chastain	6	Not Rated		Not Rated		Not Rated	
Johnston	4	Not Rated		Not Rated		Not Rated	
11B:							
Colfax	85	Very limited		Very limited		Very limited	
		Depth to thick cemented pan	1.00	Depth to cemented pan	1.00	Depth to cemented pan	1.00
Worsham	3	Not Rated		Not Rated		Not Rated	
12C:							
Colfax	85	Somewhat limited		Very limited		Very limited	
		Depth to thin cemented pan	0.50	Depth to cemented pan	1.00	Depth to cemented pan	1.00
		Slope	0.04	Slope	0.04	Slope	0.04
Worsham	3	Not Rated		Not Rated		Not Rated	
13A:							
Dogue	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too clayey	1.00
		Too clayey	1.00	Flooding	0.40	Depth to saturated zone	0.68
		Seepage	1.00				
14A:							
Dunbar	85	Very limited		Very limited		Somewhat limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.96
		Too clayey	0.50			Too clayey	0.50
						Hard to compact	0.50
Pouncey	3	Not Rated		Not Rated		Not Rated	
15B:							
Durham	45	Not limited		Not limited		Not limited	

Table ENG-6. - Sanitary Facilities - Continued

City of Richmond, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Trench Sanitary Landfill		Area Sanitary Landfill		Daily Cover for Landfill	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
15B:							
Bourne	40	Very limited		Very limited		Very limited	
		Depth to thick cemented pan	1.00	Depth to cemented pan	1.00	Depth to cemented pan	1.00
		Seepage	1.00	Depth to saturated zone	0.75	Depth to saturated zone	0.86
		Depth to saturated zone	1.00				
16B:							
Edgehill	85	Very limited		Not limited		Very limited	
		Seepage	1.00			Too clayey	1.00
						Gravel content	1.00
						Seepage	1.00
16C:							
Edgehill	85	Very limited		Somewhat limited		Very limited	
		Seepage	1.00	Slope	0.04	Too clayey	1.00
		Slope	0.04			Gravel content	1.00
						Seepage	1.00
16D:							
Edgehill	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Too clayey	1.00
		Seepage	1.00			Gravel content	1.00
						Slope	1.00
16E:							
Edgehill	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Seepage	1.00			Too clayey	1.00
						Gravel content	1.00
17B:							
Faceville	85	Somewhat limited		Not limited		Somewhat limited	
		Too clayey	0.50			Too clayey	0.50
						Hard to compact	0.50
17C:							
Faceville	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Too clayey	0.50	Slope	0.04	Too clayey	0.50
		Slope	0.04			Hard to compact	0.50
						Slope	0.04
17D:							
Faceville	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Too clayey	0.50			Too clayey	0.50
						Hard to compact	0.50

18B:

Table ENG-6. - Sanitary Facilities - Continued

City of Richmond, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Trench Sanitary Landfill		Area Sanitary Landfill		Daily Cover for Landfill	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
18B:							
Faceville	50	Somewhat limited		Not limited		Somewhat limited	
		Too clayey	0.50			Too clayey	0.50
						Hard to compact	0.50
Gritney	35	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too clayey	1.00
		Too clayey	1.00			Depth to saturated zone	1.00
		Seepage	1.00				
18C:							
Faceville	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Too clayey	0.50	Slope	0.04	Too clayey	0.50
		Slope	0.04			Hard to compact	0.50
						Slope	0.04
Gritney	35	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too clayey	1.00
		Too clayey	1.00	Slope	0.04	Depth to saturated zone	1.00
		Seepage	1.00			Slope	0.04
19C:							
Grover	85	Somewhat limited		Somewhat limited		Somewhat limited	
		Too clayey	0.50	Slope	0.04	Too clayey	0.50
		Slope	0.04			Slope	0.04
19D:							
Grover	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Too clayey	0.50			Too clayey	0.50
19E:							
Grover	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Too clayey	0.50			Too clayey	0.50
20C:							
Grover	50	Somewhat limited		Somewhat limited		Somewhat limited	
		Too clayey	0.50	Slope	0.04	Too clayey	0.50
		Slope	0.04			Slope	0.04
Wateree	30	Very limited		Very limited		Very limited	
		Depth to bedrock	1.00	Seepage	1.00	Depth to bedrock	1.00
		Seepage	1.00	Depth to bedrock	1.00	Seepage	1.00
		Slope	0.04	Slope	0.04	Slope	0.04

21A:

Table ENG-6. - Sanitary Facilities - Continued

City of Richmond, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Trench Sanitary Landfill		Area Sanitary Landfill		Daily Cover for Landfill	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
21A:							
Johnston	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Seepage	1.00
		Seepage	1.00	Seepage	1.00	Ponding	1.00
Chastain	5	Not Rated		Not Rated		Not Rated	
Nawney	4	Not Rated		Not Rated		Not Rated	
Tomotley	3	Not Rated		Not Rated		Not Rated	
22B:							
Kempsville	85	Not limited		Very limited		Somewhat limited	
				Seepage	1.00	Seepage	0.50
23B:							
Kempsville	45	Somewhat limited		Not limited		Somewhat limited	
		Too clayey	0.50			Too clayey	0.50
Bourne	40	Very limited		Very limited		Very limited	
		Depth to thick cemented pan	1.00	Depth to cemented pan	1.00	Depth to cemented pan	1.00
		Seepage	1.00	Depth to saturated zone	0.75	Depth to saturated zone	0.86
		Depth to saturated zone	1.00				
24B:							
Masada	85	Very limited		Not limited		Very limited	
		Too clayey	1.00			Too clayey	1.00
24C:							
Masada	85	Very limited		Somewhat limited		Very limited	
		Too clayey	1.00	Slope	0.04	Too clayey	1.00
		Slope	0.04			Slope	0.04
25B:							
Masada	85	Very limited		Not limited		Very limited	
		Too clayey	1.00			Too clayey	1.00
25C:							
Masada	85	Very limited		Somewhat limited		Very limited	
		Too clayey	1.00	Slope	0.04	Too clayey	1.00
		Slope	0.04			Slope	0.04
26A:							

Table ENG-6. - Sanitary Facilities - Continued

City of Richmond, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Trench Sanitary Landfill		Area Sanitary Landfill		Daily Cover for Landfill	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
26A:							
Nawney	75	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too clayey	0.50
		Seepage	1.00				
Chastain	6	Not Rated		Not Rated		Not Rated	
Johnston	5	Not Rated		Not Rated		Not Rated	
Tomotley	3	Not Rated		Not Rated		Not Rated	
27B:							
Norfolk	85	Very limited		Very limited		Somewhat limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too clayey	0.50
		Too clayey	0.50			Hard to compact	0.50
28B:							
Orangeburg	50	Not limited		Very limited		Somewhat limited	
				Seepage	1.00	Hard to compact	0.50
Faceville	35	Somewhat limited		Not limited		Somewhat limited	
		Too clayey	0.50			Too clayey	0.50
						Hard to compact	0.50
28C:							
Orangeburg	50	Somewhat limited		Very limited		Somewhat limited	
		Slope	0.04	Seepage	1.00	Hard to compact	0.50
				Slope	0.04	Slope	0.04
Faceville	35	Somewhat limited		Somewhat limited		Somewhat limited	
		Too clayey	0.50	Slope	0.04	Too clayey	0.50
		Slope	0.04			Hard to compact	0.50
						Slope	0.04
29B:							
Pouncey	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Depth to bedrock	1.00	Depth to saturated zone	1.00
		Flooding	0.40	Flooding	0.40		
Worsham	3	Not Rated		Not Rated		Not Rated	
30A:							

Table ENG-6. - Sanitary Facilities - Continued

City of Richmond, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Trench Sanitary Landfill		Area Sanitary Landfill		Daily Cover for Landfill	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
30A:							
Riverview	85	Very limited		Very limited		Somewhat limited	
		Flooding	1.00	Flooding	1.00	Seepage	0.50
		Depth to saturated zone	1.00	Depth to saturated zone	1.00		
		Seepage	1.00	Seepage	1.00		
Chewacla	3	Not Rated		Not Rated		Not Rated	
31A:							
Roanoke	85	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too clayey	1.00
		Too clayey	1.00	Seepage	1.00	Seepage	1.00
32A:							
Roanoke	40	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Depth to saturated zone	1.00
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too clayey	1.00
		Too clayey	1.00	Seepage	1.00	Seepage	1.00
Chewacla	35	Very limited		Very limited		Somewhat limited	
		Flooding	1.00	Flooding	1.00	Depth to saturated zone	0.87
		Depth to saturated zone	1.00	Depth to saturated zone	1.00		
33B:							
Slagle	85	Very limited		Very limited		Somewhat limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.68
		Seepage	1.00				
34B:							
Tetotum	85	Very limited		Very limited		Somewhat limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.86
		Seepage	1.00			Too clayey	0.50
		Too clayey	0.50				
35A:							
Toccoa	85	Very limited		Very limited		Somewhat limited	
		Flooding	1.00	Flooding	1.00	Seepage	0.50
		Depth to saturated zone	1.00	Depth to saturated zone	1.00		
		Seepage	1.00	Seepage	1.00		
36A:							

Table ENG-6. - Sanitary Facilities - Continued

City of Richmond, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Trench Sanitary Landfill		Area Sanitary Landfill		Daily Cover for Landfill	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
36A:							
Tomotley	85	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
37B:							
Turbeville	85	Somewhat limited Too clayey	0.50	Not limited		Somewhat limited Hard to compact	0.50
37C:							
Turbeville	85	Somewhat limited Too clayey Slope	0.50 0.04	Somewhat limited Slope	0.04	Somewhat limited Hard to compact Slope	0.50 0.04
38B:							
Turbeville	85	Somewhat limited Too clayey	0.50	Not limited		Somewhat limited Hard to compact	0.50
38C:							
Turbeville	85	Somewhat limited Too clayey Slope	0.50 0.04	Somewhat limited Slope	0.04	Somewhat limited Hard to compact Slope	0.50 0.04
39:							
Udorhents	85	Not Rated		Not Rated		Not Rated	
40:							
Udorhents	45	Not Rated		Not Rated		Not Rated	
Dumps	40	Not Rated		Not Rated		Not Rated	
41:							
Urban land	85	Not Rated		Not Rated		Not Rated	
42A:							
Varina	85	Very limited Depth to saturated zone Too clayey	1.00 0.50	Very limited Depth to saturated zone	1.00	Somewhat limited Too clayey Hard to compact	0.50 0.50
43C:							
Wateree	85	Very limited Depth to bedrock Seepage	1.00 1.00	Very limited Seepage Depth to bedrock	1.00 1.00	Very limited Depth to bedrock Seepage	1.00 1.00
43D:							
Wateree	85	Very limited Depth to bedrock Seepage Slope	1.00 1.00 1.00	Very limited Seepage Depth to bedrock Slope	1.00 1.00 1.00	Very limited Depth to bedrock Seepage Slope	1.00 1.00 1.00

Table ENG-6. - Sanitary Facilities - Continued

City of Richmond, Virginia

Map Symbol and Soil Name	Pct of Map Unit	Trench Sanitary Landfill		Area Sanitary Landfill		Daily Cover for Landfill	
		Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value	Rating Class and Limiting Features	Value
44E:							
Wateree	55	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Seepage	1.00	Slope	1.00
		Seepage	1.00	Depth to bedrock	1.00	Seepage	1.00
Appling	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Seepage	1.00			Too clayey	0.50
		Too clayey	0.50			Hard to compact	0.50
45F:							
Wateree	55	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Depth to bedrock	1.00
		Depth to bedrock	1.00	Seepage	1.00	Slope	1.00
		Seepage	1.00	Depth to bedrock	1.00	Seepage	1.00
Appling	35	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Seepage	1.00			Too clayey	0.50
		Too clayey	0.50			Hard to compact	0.50
Rock outcrop	10	Not Rated		Not Rated		Not Rated	
46E:							
Wedowee	85	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
						Hard to compact	0.50
47A:							
Worsham	85	Very limited		Very limited		Very limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	1.00
		Too clayey	1.00			Too clayey	1.00
Pouncey	3	Not Rated		Not Rated		Not Rated	
W:							
Water	100	Not Rated		Not Rated		Not Rated	