

Table ENG-6. - Sanitary Facilities

Essex County, 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
1A:							
Atlee	80	Very limited Depth to saturated zone Too clayey	1.00 0.50	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone Too clayey	0.86 0.50
Emporia		Not Rated		Not Rated		Not Rated	
Kempsville		Not Rated		Not Rated		Not Rated	
2A:							
Augusta	90	Very limited Depth to saturated zone Seepage Too clayey	1.00 1.00 0.50	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone Too clayey	1.00 0.50
Munden		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
Tomotley		Not Rated		Not Rated		Not Rated	
3A:							
Bibb	85	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Flooding Depth to saturated zone	1.00 1.00	Very limited Depth to saturated zone	1.00
Catpoint		Not Rated		Not Rated		Not Rated	
Rappahanock		Not Rated		Not Rated		Not Rated	
4A:							
Bojac	85	Very limited Depth to saturated zone Seepage Too Sandy	1.00 1.00 1.00	Very limited Depth to saturated zone Seepage	1.00 1.00	Very limited Seepage Too Sandy	1.00 0.50
Munden		Not Rated		Not Rated		Not Rated	
State		Not Rated		Not Rated		Not Rated	
5A:							

Table ENG-6. - Sanitary Facilities - Continued

Essex County, 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:							
Bolling	90	Very limited		Very limited		Somewhat limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Depth to saturated zone	0.86
		Too Sandy	1.00			Too Sandy	0.50
						Too clayey	0.50
Molena		Not Rated		Not Rated		Not Rated	
Pamunkey		Not Rated		Not Rated		Not Rated	
6B:							
Catpoint	90	Very limited		Very limited		Very limited	
		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
		Too Sandy	1.00				
Munden		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
7A:							
Chickahominy	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
Ponded soils		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
Tomotley		Not Rated		Not Rated		Not Rated	
8A:							
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			Depth to saturated zone	0.68
		Seepage	1.00				
Chickahominy		Not Rated		Not Rated		Not Rated	
Newflat		Not Rated		Not Rated		Not Rated	
State		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	

9A:

Table ENG-6. - Sanitary Facilities - Continued

Essex County, 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:							
Emporia	90	Somewhat limited Depth to saturated zone Too clayey	0.98 0.50	Somewhat limited Depth to saturated zone	0.98	Not limited	
Kempsville		Not Rated		Not Rated		Not Rated	
Slagle		Not Rated		Not Rated		Not Rated	
9B:							
Emporia	90	Somewhat limited Depth to saturated zone Too clayey	0.98 0.50	Somewhat limited Depth to saturated zone	0.98	Not limited	
Kempsville		Not Rated		Not Rated		Not Rated	
Slagle		Not Rated		Not Rated		Not Rated	
9C:							
Emporia	80	Somewhat limited Depth to saturated zone Too clayey	0.98 0.50	Somewhat limited Depth to saturated zone	0.98	Not limited	
Kempsville		Not Rated		Not Rated		Not Rated	
Slagle		Not Rated		Not Rated		Not Rated	
10A:							
Kempsville	80	Not limited		Very limited Seepage	1.00	Not limited	
Emporia		Not Rated		Not Rated		Not Rated	
Slagle		Not Rated		Not Rated		Not Rated	
Suffolk		Not Rated		Not Rated		Not Rated	
10B:							
Kempsville	80	Not limited		Very limited Seepage	1.00	Not limited	
Emporia		Not Rated		Not Rated		Not Rated	
Slagle		Not Rated		Not Rated		Not Rated	
Suffolk		Not Rated		Not Rated		Not Rated	

10C:

Table ENG-6. - Sanitary Facilities - Continued

Essex County, 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
10C:							
Kempsville	95	Not limited		Very limited Seepage	1.00	Not limited	
Emporia		Not Rated		Not Rated		Not Rated	
11A:							
Levy	95	Very limited Flooding Depth to saturated zone Ponding	1.00 1.00 1.00	Very limited Flooding Ponding Depth to saturated zone	1.00 1.00 1.00	Very limited Ponding Depth to saturated zone Too clayey	1.00 1.00 1.00
Rappahannock		Not Rated		Not Rated		Not Rated	
12A:							
Molena	85	Very limited Seepage Too Sandy	1.00 1.00	Very limited Seepage	1.00	Very limited Too Sandy Seepage	1.00 1.00
Munden		Not Rated		Not Rated		Not Rated	
Pamunkey		Not Rated		Not Rated		Not Rated	
12B:							
Molena	85	Very limited Seepage Too Sandy	1.00 1.00	Very limited Seepage	1.00	Very limited Too Sandy Seepage	1.00 1.00
Munden		Not Rated		Not Rated		Not Rated	
Pamunkey		Not Rated		Not Rated		Not Rated	
13A:							
Munden	80	Very limited Depth to saturated zone Too Sandy Seepage	1.00 1.00 1.00	Very limited Depth to saturated zone Seepage	1.00 1.00	Very limited Seepage Depth to saturated zone Too Sandy	1.00 0.86 0.50
Bojac		Not Rated		Not Rated		Not Rated	
State		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
14A:							
Newflat	85	Very limited Depth to saturated zone Too clayey	1.00 1.00	Very limited Depth to saturated zone	1.00	Very limited Too clayey Depth to saturated zone	1.00 1.00

Table ENG-6. - Sanitary Facilities - Continued

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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
14A:							
Chickahominy		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
15A:							
Pamunkey	90	Very limited		Very limited		Somewhat limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too clayey	0.50
		Seepage	1.00				
		Too clayey	0.50				
Bolling		Not Rated		Not Rated		Not Rated	
Molena		Not Rated		Not Rated		Not Rated	
16:							
Pits	100	Not Rated		Not Rated		Not Rated	
17A:							
Rappahannock	70	Very limited		Very limited		Very limited	
		Flooding	1.00	Flooding	1.00	Ponding	1.00
		Depth to saturated zone	1.00	Ponding	1.00	Depth to saturated zone	1.00
		Ponding	1.00	Depth to saturated zone	1.00	Sodium content	1.00
18B:							
Rumford	90	Very limited		Very limited		Somewhat limited	
		Seepage	1.00	Seepage	1.00	Seepage	0.50
Kempsville		Not Rated		Not Rated		Not Rated	
Suffolk		Not Rated		Not Rated		Not Rated	
19E:							
Rumford	45	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Seepage	1.00	Seepage	1.00	Seepage	0.50
Emporia	30	Very limited		Very limited		Very limited	
		Slope	1.00	Slope	1.00	Slope	1.00
		Depth to saturated zone	0.98	Depth to saturated zone	0.98		
		Too clayey	0.50				
Bibb		Not Rated		Not Rated		Not Rated	
Kempsville		Not Rated		Not Rated		Not Rated	
Slagle		Not Rated		Not Rated		Not Rated	

20D:

Table ENG-6. - Sanitary Facilities - Continued

Essex County, 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
20D:							
Rumford	45	Very limited Seepage Slope	1.00 0.37	Very limited Seepage Slope	1.00 0.37	Somewhat limited Seepage Slope	0.50 0.37
Slagle	25	Very limited Depth to saturated zone Seepage Slope	1.00 1.00 0.37	Very limited Depth to saturated zone Slope	1.00 0.37	Somewhat limited Depth to saturated zone Slope	0.68 0.37
Bibb		Not Rated		Not Rated		Not Rated	
Dogue		Not Rated		Not Rated		Not Rated	
Kempsville		Not Rated		Not Rated		Not Rated	
Suffolk		Not Rated		Not Rated		Not Rated	
21B:							
Slagle	80	Very limited Depth to saturated zone Seepage	1.00 1.00	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.68
Atlee		Not Rated		Not Rated		Not Rated	
Emporia		Not Rated		Not Rated		Not Rated	
Kempsville		Not Rated		Not Rated		Not Rated	
21C:							
Slagle	80	Very limited Depth to saturated zone Seepage	1.00 1.00	Very limited Depth to saturated zone	1.00	Somewhat limited Depth to saturated zone	0.68
Emporia		Not Rated		Not Rated		Not Rated	
Kempsville		Not Rated		Not Rated		Not Rated	
22A:							
State	90	Very limited Depth to saturated zone Seepage Too clayey	1.00 1.00 0.50	Very limited Depth to saturated zone	1.00	Somewhat limited Too clayey	0.50
Bojac		Not Rated		Not Rated		Not Rated	
State		Not Rated		Not Rated		Not Rated	

Table ENG-6. - Sanitary Facilities - Continued

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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
22A:							
Tetotum		Not Rated		Not Rated		Not Rated	
22B:							
State	90	Very limited		Very limited		Somewhat limited	
		Depth to saturated zone	1.00	Depth to saturated zone	1.00	Too clayey	0.50
		Seepage	1.00				
		Too clayey	0.50				
Bojac		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
23A:							
Suffolk	90	Very limited		Very limited		Very limited	
		Too Sandy	1.00	Seepage	1.00	Seepage	1.00
		Seepage	1.00			Too Sandy	0.50
Kempsville		Not Rated		Not Rated		Not Rated	
Rumford		Not Rated		Not Rated		Not Rated	
23B:							
Suffolk	90	Very limited		Very limited		Very limited	
		Too Sandy	1.00	Seepage	1.00	Seepage	1.00
		Seepage	1.00			Too Sandy	0.50
Kempsville		Not Rated		Not Rated		Not Rated	
Rumford		Not Rated		Not Rated		Not Rated	
24A:							
Tetotum	80	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				
Munden		Not Rated		Not Rated		Not Rated	
State		Not Rated		Not Rated		Not Rated	
Tomotley		Not Rated		Not Rated		Not Rated	
24B:							
Tetotum	80	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				

Table ENG-6. - Sanitary Facilities - Continued

Essex County, 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
24B:							
Munden		Not Rated		Not Rated		Not Rated	
State		Not Rated		Not Rated		Not Rated	
Tomotley		Not Rated		Not Rated		Not Rated	
25A:							
Tomotley	80	Very limited Depth to saturated zone Seepage	1.00 1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
Augusta		Not Rated		Not Rated		Not Rated	
Chickahominy		Not Rated		Not Rated		Not Rated	
Tetotum		Not Rated		Not Rated		Not Rated	
W:							
Water	100	Not Rated		Not Rated		Not Rated	