
Soils Report

Contact your local District Conservationist for site specific assistance

Sanitary Landfill (Area) - Dominant Condition

Sanitary landfills are areas where solid waste is disposed of by burying it in soil. There are two types of landfills -- trench and area. In a trench landfill, the waste is placed in a trench. It is spread, compacted, and covered daily with a thin layer of soil excavated at the site. In an area landfill, the waste is placed in successive layers on the surface of the soil. The waste is spread, compacted, and covered daily with a thin layer of soil from a source away from the site.

Both types of landfill must be able to bear heavy vehicular traffic. Both types involve a risk of ground-water pollution. Ease of excavation and revegetation should be considered.

The ratings are based on soil properties, site features, and observed performance of the soils. Permeability, depth to bedrock or to a cemented pan, a high water table, slope, and flooding affect both types of landfill. Texture, stones and boulders, highly organic layers, soil reaction, and content of salts and sodium affect trench landfills. Unless otherwise stated, the ratings apply only to that part of the soil within a depth of about 6 feet. For deeper trenches, a limitation rated slight or moderate may not be valid. Onsite investigation is needed.

The limitations are considered not limiting if soil properties and site features are generally favorable for the indicated use and limitations are minor and easily overcome; somewhat limiting if soil properties or site features are not favorable for the indicated use and special planning, design, or maintenance is needed to overcome or minimize the limitations; and very limiting if soil properties or site features are so unfavorable or so difficult to overcome that special design, significant increases in construction costs, and possibly increased maintenance are required.

Soil Survey: Russell County, Kentucky

Survey Status: -

Correlation Date: 01/01/1979

Distribution Date: 09/10/2004

Map

Symbol	Soil Name	Rating	Dominant Component(s) and Reason(s)
Ab	Ashton silt loam	Somewhat limited	Component - Ashton (90%) • Flooding
CaC	Caneyville silt loam, very rocky, 6 to 12 percent slopes	Very limited	Component - Caneyville (80%) • Depth to bedrock • Slope
CGE	Caneyville-Garmon association, steep	Very limited	Component - Caneyville (45%) • Slope • Depth to bedrock Component - Garmon (35%) • Slope • Seepage
CoE	Colyer shaly silt loam, 20 to 30 percent slopes	Very limited	Component - Colyer (92%) • Slope • Depth to bedrock

DAM	Dam, large	Not rated	Component - Dam (100%) <ul style="list-style-type: none"> • Not rated • Not rated; Slope • Not rated • Not rated
EkB	Elk silt loam, 2 to 6 percent slopes	Not limited	
EkC	Elk silt loam, 6 to 12 percent slopes	Somewhat limited	Component - Elk (85%) <ul style="list-style-type: none"> • Slope
FeB	Frederick silt loam, 2 to 6 percent slopes	Not limited	
FeC	Frederick silt loam, 6 to 12 percent slopes	Somewhat limited	Component - Frederick (92%) <ul style="list-style-type: none"> • Slope
FeD	Frederick silt loam, 12 to 20 percent slopes	Very limited	Component - Frederick (88%) <ul style="list-style-type: none"> • Slope
FrC3	Frederick silty clay loam, 6 to 12 percent slopes, severely erod	Somewhat limited	Component - Frederick (88%) <ul style="list-style-type: none"> • Slope
FwE	Faywood silt loam, 12 to 30 percent slopes	Very limited	Component - Faywood (88%) <ul style="list-style-type: none"> • Depth to bedrock • Slope
GCF	Garmon-Caneyville association, very steep	Very limited	Component - Garmon (60%) <ul style="list-style-type: none"> • Slope • Seepage • Depth to bedrock Component - Caneyville (20%) <ul style="list-style-type: none"> • Slope • Depth to bedrock
GpB	Gilpin silt loam, 2 to 6 percent slopes	Very limited	Component - Gilpin (85%) <ul style="list-style-type: none"> • Depth to bedrock
GpC	Gilpin silt loam, 6 to 12 percent	Very limited	Component - Gilpin (85%) <ul style="list-style-type: none"> • Depth to bedrock • Slope
GpD	Gilpin silt loam, 12 to 20 percent slopes	Very limited	Component - Gilpin (80%) <ul style="list-style-type: none"> • Depth to bedrock • Slope
LoB	Lonewood loam, 2 to 6 percent slopes	Somewhat limited	Component - Lonewood (90%) <ul style="list-style-type: none"> • Depth to bedrock
LoC	Lonewood loam, 6 to 12 percent slopes	Somewhat limited	Component - Lonewood (90%) <ul style="list-style-type: none"> • Depth to bedrock • Slope
Me	Melvin silt loam	Very limited	Component - Melvin (80%) <ul style="list-style-type: none"> • Flooding • Depth to saturated zone
MoB	Mountview silt loam, 2 to 6 percent slopes	Not limited	
MoC	Mountview silt loam, 6 to 12 percent slopes	Somewhat limited	Component - Mountview (90%) <ul style="list-style-type: none"> • Slope
No	Nolin silt loam	Very limited	Component - Nolin (92%) <ul style="list-style-type: none"> • Flooding • Depth to saturated zone

Nv	Nolin variant, fine sandy loam	Very limited	Component - Nolin variant (90%) <ul style="list-style-type: none"> • Flooding • Depth to saturated zone • Seepage
SaB	Sango silt loam, 1 to 4 percent slopes	Somewhat limited	Component - Sango (92%) <ul style="list-style-type: none"> • Depth to saturated zone
Sk	Skidmore gravelly loam	Very limited	Component - Skidmore (92%) <ul style="list-style-type: none"> • Flooding • Depth to saturated zone • Seepage
Ta	Taft silt loam	Very limited	Component - Taft (92%) <ul style="list-style-type: none"> • Depth to saturated zone
TrC	Trimble channery silt loam, 6 to 12 percent slopes	Somewhat limited	Component - Trimble (92%) <ul style="list-style-type: none"> • Slope
TrD	Trimble channery silt loam, 12 to 20 percent slopes	Very limited	Component - Trimble (89%) <ul style="list-style-type: none"> • Slope
Ud	Udorthents, undulating	Not limited	
W	Water	Not rated	Component - Water (100%) <ul style="list-style-type: none"> • Not rated • Not rated; Slope • Not rated • Not rated
WoC	Woolper silty clay loam, 6 to 12 percent slopes	Somewhat limited	Component - Woolper (90%) <ul style="list-style-type: none"> • Slope