

Sanitary Facilities

The nature of the soil is important in selecting sites for sanitary facilities, and in identifying limiting soil properties and site features to be considered in planning, design, and installation. Soil limitation ratings of slight, moderate, or severe are given for septic tank absorption fields, sewage lagoons, and trench and area type sanitary landfills. Soil suitability ratings of good, fair, and poor are given for daily cover for landfills. Limitations or suitability terms used in this subsection are as follows:

Slight (or Good) - relatively free of limitations or limitations are easily overcome.

Moderate (or Fair) - limitations need to be recognized, but usually can be overcome with good management or special design.

Severe (or Poor or Very Poor) - limitations are difficult or impractical to overcome.

Sanitary Facility Type

Septic Tank Absorption Fields are subsurface systems of tile or perforated pipe that distribute effluent from a septic tank into the natural soil. The centerline depth of the tile is assumed to be at a depth of 24 inches. Only the soil between depths of 24 and 60 inches is considered in making the ratings. The soil properties and site features considered are those that affect the absorption of the effluent, those that affect the construction and maintenance of the system, and those that may affect public health.

Sewage Lagoons are shallow ponds constructed to hold sewage while aerobic bacteria decompose the solid and liquid wastes. Lagoons have a nearly level floor surrounded by cut slopes or embankments of compacted, relatively impervious soil material. Aerobic lagoons generally are designed so that the depth of sewage is 2 to 5 feet. Relatively impervious soil for the lagoon floor and sides is desirable to minimize seepage and contamination of local ground water.

Sanitary Landfill (trench) is a method of disposing of solid waste by placing refuse in successive layers in an excavated trench. The waste is spread, compacted, and covered daily with a thin layer of soil that is excavated from the trench. When the trench is full, a final cover of soil material at least 2 feet thick is placed over the landfill. Properties that influence risk of pollution, ease of excavation, trafficability, and revegetation are major considerations.

Sanitary Landfill (area) is a method of disposing of solid waste by placing refuse in successive layers on the surface of the soil. The waste is spread, compacted, and covered daily with a thin layer of soil that is imported from a source away from the site. A final cover of soil at least 2 feet thick is placed over the completed landfill. Properties that influence trafficability, revegetation, and risk of pollution are the main considerations for area type sanitary landfills.

Daily Cover For Landfill is the soil material that is applied daily to compacted solid waste in an area type sanitary landfill. The cover material is obtained offsite, transported, and spread on the area. Suitability of a soil for use as cover is based on properties that reflect workability and the ease of digging and of moving and spreading the material over the refuse daily during both wet and dry periods.

See the National Soil Survey Handbook, Part 620, for criteria used in rating specific uses.

SANITARY FACILITIES

York County

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Soil name and map symbol	Septic Tank Absorption Fields	Sewage Lagoon Areas	Trench Sanitary Landfill	Area Sanitary Landfill	Daily Cover For Landfill
AdB ADAMS	Severe: poor filter	Severe: seepage	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, too sandy
AdC ADAMS	Severe: poor filter	Severe: seepage, slope	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, too sandy
AdD ADAMS	Severe: poor filter, slope	Severe: seepage, slope	Severe: seepage, slope, too sandy	Severe: seepage, slope	Poor: seepage, slope, too sandy
AgB ADAMS	Severe: poor filter	Severe: seepage	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, too sandy
URBAN LAND	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable
AlB ALLAGASH	Severe: poor filter	Severe: seepage	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy
AlC ALLAGASH	Severe: poor filter	Severe: seepage, slope	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy
Ba BEACHES	Severe: flooding, poor filter, wetness	Severe: flooding, seepage, wetness	Severe: flooding, seepage, wetness	Severe: flooding, seepage, wetness	Poor: seepage, too sandy, wetness

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BcB BECKET	Severe: percs slowly	Moderate: seepage, slope	Slight:	Slight:	Poor: seepage
BcC BECKET	Severe: percs slowly	Severe: slope	Moderate: slope	Moderate: slope	Poor: seepage
BcD BECKET	Severe: percs slowly, slope	Severe: slope	Severe: slope	Severe: slope	Poor: seepage, slope
BeB BECKET	Severe: percs slowly	Moderate: seepage, slope	Slight:	Slight:	Poor: seepage, small stones
BeC BECKET	Severe: percs slowly	Severe: slope	Moderate: slope	Moderate: slope	Poor: seepage, small stones
BeD BECKET	Severe: percs slowly, slope	Severe: slope	Severe: slope	Severe: slope	Poor: seepage, slope, small stones
Bm BIDDEFORD	Severe: percs slowly, ponding	Severe: excess humus, ponding	Severe: ponding, too clayey	Severe: ponding	Poor: hard to pack, ponding, too clayey
BrB BRAYTON	Severe: percs slowly, wetness	Severe: wetness	Severe: wetness	Severe: wetness	Poor: small stones, wetness
WESTBURY	Severe: percs slowly, wetness	Moderate:	Severe: wetness	Severe: wetness	Poor: seepage, small stones

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BsB					
BRAYTON	Severe: percs slowly, wetness	Severe: wetness	Severe: wetness	Severe: wetness	Poor: small stones, wetness
WESTBURY	Severe: percs slowly, wetness	Moderate: large stones, seepage, slope	Severe: large stones, wetness	Severe: wetness	Poor: seepage, small stones
BuB					
BUXTON	Severe: percs slowly, wetness	Moderate: slope	Severe: too clayey, wetness	Severe: wetness	Poor: hard to pack, too clayey, wetness
BuC					
BUXTON	Severe: percs slowly, wetness	Severe: slope	Severe: too clayey, wetness	Moderate: slope, wetness	Poor: hard to pack, too clayey
BuD					
BUXTON	Severe: percs slowly, slope, wetness	Severe: slope	Severe: slope, too clayey, wetness	Severe: slope	Poor: hard to pack, slope, too clayey
Ch					
CHOCORUA	Severe: ponding, poor filter	Severe: excess humus, ponding, seepage	Severe: ponding, seepage	Severe: ponding, seepage, wetness	Poor: ponding, seepage, too sandy
CoB					
COLTON	Severe: poor filter	Severe: seepage	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy
CoC					
COLTON	Severe: poor filter	Severe: seepage, slope	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy
CoD					
COLTON	Severe: poor filter, slope	Severe: seepage, slope	Severe: seepage, slope, too sandy	Severe: seepage, slope	Poor: seepage, small stones, too sandy

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CoE					
COLTON	Severe: poor filter, slope	Severe: seepage, slope	Severe: seepage, slope, too sandy	Severe: seepage, slope	Poor: seepage, small stones, too sandy
CrB					
CROGHAN	Severe: poor filter, wetness	Severe: seepage, wetness	Severe: seepage, too sandy, wetness	Severe: seepage, wetness	Poor: seepage, too sandy
CuB					
CROGHAN	Severe: poor filter, wetness	Severe: seepage, wetness	Severe: seepage, too sandy, wetness	Severe: seepage, wetness	Poor: seepage, too sandy
Dm					
URBAN LAND	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable
Dm					
DUMPS	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable
EmB					
ELMWOOD	Severe: percs slowly, wetness	Severe: seepage	Severe: too clayey, wetness	Severe: seepage	Poor: hard to pack, too clayey
EmC					
ELMWOOD	Severe: percs slowly, wetness	Severe: seepage, slope	Severe: too clayey, wetness	Severe: seepage	Poor: hard to pack, too clayey
HeB					
HERMON	Severe: poor filter	Severe: seepage	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy
HeC					
HERMON	Severe: poor filter	Severe: seepage, slope	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy

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HeD HERMON	Severe: poor filter, slope	Severe: seepage, slope	Severe: seepage, slope, too sandy	Severe: seepage, slope	Poor: seepage, small stones, too sandy
HmB HERMON	Severe: poor filter	Severe: seepage	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy
HmC HERMON	Severe: poor filter	Severe: seepage, slope	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy
HmD HERMON	Severe: poor filter, slope	Severe: seepage, slope	Severe: seepage, slope, too sandy	Severe: seepage, slope	Poor: seepage, small stones, too sandy
HnC HERMON	Severe: poor filter	Severe: seepage, slope	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, small stones, too sandy
HnE HERMON	Severe: poor filter, slope	Severe: seepage, slope	Severe: seepage, slope, too sandy	Severe: seepage, slope	Poor: seepage, small stones, too sandy
LnB LYMAN	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock, seepage	Poor: depth to rock, small stones
LnC LYMAN	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock, seepage	Poor: depth to rock, small stones
LnD LYMAN	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, seepage, slope	Poor: depth to rock, slope

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LyB					
LYMAN	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock, seepage	Poor: depth to rock
ROCK OUTCROP	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock
LyC					
LYMAN	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock, seepage	Poor: depth to rock
ROCK OUTCROP	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock
LyE					
LYMAN	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, seepage, slope	Poor: depth to rock, slope
ROCK OUTCROP	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock, slope
MaB					
MADAWASKA	Severe: poor filter, wetness	Severe: seepage, wetness	Severe: seepage, too sandy, wetness	Severe: seepage, wetness	Poor: seepage, too sandy, wetness
MrB					
MARLOW	Severe: percs slowly	Moderate: seepage, slope	Slight:	Slight:	Fair: small stones, wetness
MrC2					
MARLOW	Severe: percs slowly	Severe: slope	Moderate: slope	Moderate: slope, wetness	Fair: slope, small stones, wetness

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MrD2 MARLOW	Severe: percs slowly, slope	Severe: slope	Severe: slope	Severe: slope	Poor: slope
MvB MARLOW	Severe: percs slowly	Moderate: seepage, slope	Slight:	Slight:	Fair: small stones
MvC MARLOW	Severe: percs slowly	Severe: slope	Moderate: slope	Moderate: slope	Fair: slope, small stones
MvD MARLOW	Severe: percs slowly, slope	Severe: slope	Severe: slope	Severe: slope	Poor: slope
Na NAUMBURG	Severe: poor filter, wetness	Severe: seepage, wetness	Severe: seepage, too sandy, wetness	Severe: seepage, wetness	Poor: seepage, too sandy, wetness
On ONDAWA	Severe: flooding, poor filter	Severe: flooding, seepage	Severe: flooding, seepage, too sandy	Severe: flooding, seepage	Poor: seepage, too sandy
PeB PERU	Severe: percs slowly, wetness	Moderate: seepage, slope	Severe: wetness	Moderate: wetness	Fair: small stones, wetness
Pg PITS	Severe: poor filter	Severe: seepage	Severe: seepage, too sandy	Slight:	Poor: seepage, small stones, too sandy
Po PODUNK	Severe: flooding, poor filter, wetness	Severe: flooding, seepage, wetness	Severe: flooding, seepage, wetness	Severe: flooding, seepage, wetness	Poor: seepage, too sandy

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Po WINOOSKI	Severe: flooding, wetness	Severe: flooding, wetness	Severe: flooding, wetness	Severe: flooding, wetness	Fair: wetness
Ra RAYNHAM	Severe: percs slowly, wetness	Severe: wetness	Severe: wetness	Severe: wetness	Poor: wetness
RoC ROCK OUTCROP	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock
RoE ROCK OUTCROP	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock	Poor: depth to rock, slope
RoE LYMAN	Severe: depth to rock	Severe: depth to rock, slope	Severe: depth to rock	Severe: depth to rock, seepage	Poor: depth to rock
RoE LYMAN	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, slope	Severe: depth to rock, seepage, slope	Poor: depth to rock, slope
Ru RUMNEY	Severe: flooding, poor filter, wetness	Severe: flooding, seepage, wetness	Severe: flooding, seepage, wetness	Severe: flooding, seepage, wetness	Poor: seepage, small stones, too sandy
Sa SACO	Severe: flooding, ponding	Severe: flooding, ponding	Severe: flooding, ponding	Severe: flooding, ponding	Poor: ponding
Sc SCANTIC	Severe: percs slowly, wetness	Slight:	Severe: too clayey, wetness	Severe: wetness	Poor: hard to pack, too clayey, wetness

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SeB SCIO	Severe: wetness	Severe: wetness	Severe: wetness	Moderate: wetness	Good.:
SeC SCIO	Severe: wetness	Severe: slope, wetness	Severe: wetness	Moderate: slope, wetness	Fair: slope
SeD SCIO	Severe: slope	Severe: slope	Severe: slope	Severe: slope	Poor: slope
Sg SEBAGO	Severe: ponding	Severe: excess humus, ponding, seepage	Severe: excess humus, ponding, seepage	Severe: ponding, seepage	Poor: excess humus, ponding
SkB SKERRY	Severe: percs slowly, wetness	Moderate: seepage, slope	Severe: wetness	Moderate: wetness	Poor: seepage
SkC SKERRY	Severe: percs slowly, wetness	Severe: slope	Severe: wetness	Moderate: slope, wetness	Poor: seepage
SrB SKERRY	Severe: percs slowly, wetness	Moderate: seepage, slope	Severe: wetness	Moderate: wetness	Poor: seepage, small stones
SrC SKERRY	Severe: percs slowly, wetness	Severe: slope	Severe: wetness	Moderate: slope, wetness	Poor: seepage, small stones
Su SULFIHEMISTS	Severe: flooding, ponding	Severe: excess humus, flooding, seepage	Severe: flooding, ponding, seepage	Severe: flooding, ponding, seepage	Poor: excess humus, excess salt, ponding

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Ud					
UDIPSAMMENTS	Severe: poor filter	Severe: seepage, slope	Severe: seepage, wetness	Severe: seepage	Poor: seepage, too sandy
DUNE LAND	Severe: poor filter	Severe: seepage, slope	Severe: seepage, too sandy	Severe: seepage	Poor: seepage, too sandy
Ur					
URBAN LAND	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable
UsA					
URBAN LAND	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable	Limitation: variable
SCANTIC	Severe: percs slowly, wetness	Slight:	Severe: too clayey, wetness	Severe: wetness	Poor: hard to pack, too clayey, wetness
Va					
VASSALBORO	Severe: wetness	Severe: excess humus, seepage, wetness	Severe: excess humus, seepage, wetness	Severe: seepage, wetness	Poor: excess humus, wetness
Vp					
VASSALBORO	Severe: ponding	Severe: excess humus, seepage	Severe: ponding, seepage	Severe: ponding, seepage	Poor: excess humus, ponding
Wa					
WASKISH	Severe: poor filter, wetness	Severe: excess humus, seepage, wetness	Severe: excess humus, seepage, wetness	Severe: seepage, wetness	Poor: excess humus, too acid, wetness