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| Overland flow surface infiltration | System professionally designed and installed. High level pretreated wastewater discharged to a heavy grass sod on a medium- or fine-textured soil (silt loam, loam, clay loam, or clay), more than 10 feet to water table or bedrock. Gentle slope (5% or less). Application rate of 6,000 gallons per acre or less per week. Multiple application areas, with rest period between loadings. Application areas more than 150 feet and downslope from wells and springs. Vegetation harvested and removed. | System professionally designed and installed. High level pretreated wastewater discharged to a heavy grass sod on a medium- or fine-textured soil (silt loam, loam, clay loam, or clay), more than 3 feet to water table or bedrock. Gentle slope (5% or less). Application rate of 6,000 gallons per acre or less per week. Multiple application areas, with rest period between loadings. Application areas more than 150 feet and downslope from wells and springs. Vegetation harvested and removed. | System not professionally designed. Pretreated wastewater applied to a heavy grass sod on a medium- or fine-textured soil (silt loam, loam, clay loam, or clay), more than 3 feet to water table or bedrock at 6,000-12,000 gallons per acre per week. Gentle slope (5% or less). Application area not tested. Bedrock or water table within 2 to 3 feet from surface. Application areas closer than 150 feet and downslope from wells and springs. Vegetation occasionally harvested. | No pretreatment. Wastewater consistently applied to same area at more than 8,000 gallons per acre per week. Medium-textured soils above bedrock or high water table within 2 feet or less of ground surface. Slopes not more than 5%. Application areas within 150 feet of wells and springs and upslope. Vegetation not harvested. |
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LOCATION OF LAND APPLICATION

| | LOW RISK (rank 4) | LOW-MOD RISK (rank 3) | MOD-HIGH RISK (rank 2) | HIGH RISK (rank 1) | RISK NUMBER |
|------------------------------|---|---|--|--|-------------|
| Distance from drinking water | More than 150 feet downslope from well or spring. | More than 150 feet upslope from well or spring. | Less than 150 feet downslope from well or spring.** | Less than 150 feet upslope from well or spring.** | |

Bold Face Type: Besides representing a higher-risk choice, this practice violates Virginia law.

**Illegal for new well installation. Existing wells must meet separation requirements in effect at time of construction.
