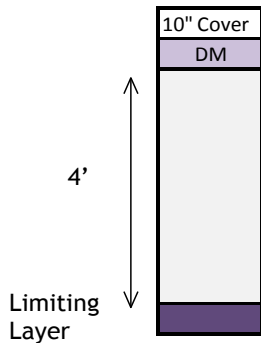


Vertical Separation and Media Depth; Proposed Guidance for Regulation 43 Revision; June 30, 2017

The intent of this chart is to provide an overview of the vertical isolation requirements above a "Limiting Layer" as defined in Regulation 43. Note that other requirements such as long term acceptance rates and sand media requirements are addressed in other sections of Regulation 43

4' Separation Required



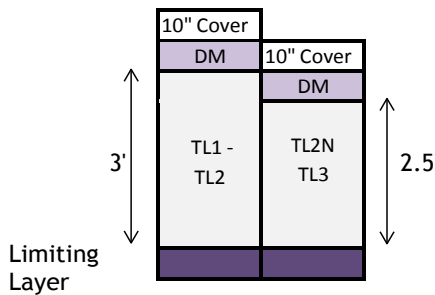
All systems in this category receive effluent via gravity flow

For all OWTS that receive TL1 effluent and utilize gravity flow in soil types 1-5, a 4' separation above a limiting layer is required

For the repair of an existing OWTS, or for the installation of a new OWTS, TL2-TL3N may be applied by gravity flow to the STA only in Soil Types 3A-5, (For designs requesting reductions in STA size or vertical/horizontal separation with the application of TL2 - TL3N effluent, pressure dosing is required as noted in the sections below)

This includes a STA utilizing rock and pipe or proprietary distribution products

2.5' - 3' Separation Required



All systems in this category must receive effluent via pressure distribution

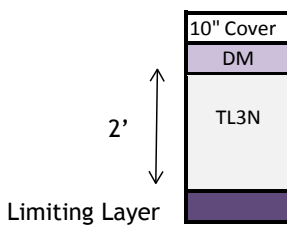
For an OWTS that receives TL1-TL2, a minimum 3' separation above a limiting layer is required. This also includes mound systems with <24" of sand

For all OWTS that receive TL2N-TL3, a minimum 2.5' separation above a limiting layer is required

For all mound systems that provide a minimum of 24" of sand, and receives TL1 - TL3 effluent, a minimum of 2.5' of separation above a limiting layer is required

Includes: Rip/Replace over a soil type "R"; an Unlined Sand Filter; a C.P.D./P.T.P.; or a standard installation using pressure distribution

2' Separation Required



All systems in this category must receive effluent via pressure distribution

For all OWTS that receive TL3N, a minimum 2' separation above a limiting layer is required

Includes: Rip/Replace over a soil type "R"; an Unlined Sand Filter; a C.P.D./P.T.P.; or a standard installation using pressure distribution

LEGEND:

Distribution Media - Chambers - C.P.D./P.T.P.:



Limiting Layer:



C.P.D./P.T.P.: Combined Proprietary Distribution/Passive Treatment Products. The bottom of the C.P.D./P.T.P. is defined as the base of the sand that is required by the manufacturer to be placed below the product as per the literature provided to the Division

Limiting Layer: Means a horizon or condition in the soil profile or underlying strata that limits the treatment capability of the soil or severely restricts the movement of fluids. This may include soils with lower high permeability, impervious or fractured bedrock, or a seasonal or current ground water surface