

Requirements for Approval of Nitrate Reduction Subsurface Sewage Disposal Systems

Before a permit can be issued for a nitrate reduction septic system, the following must be supplied in addition to the standard application information:

1. Operations and Maintenance (O&M) Agreement and a General Access Easement which is **recorded** with the County (Technical Guidance Manual [TGM] page 38).
2. Plans, specs, flow estimates, sizing, and all other information provided by the company showing the specific design of the nitrate reduction system for the proposed house or establishment.
3. Scaled plot plans showing the location of the drainfield and components to the proper scale, size, and location.
4. Elevations and grade showing:
 - the bottom of test holes
 - bottom of the trenches
 - minimum of one or two feet of soil beneath the bottom of the trenches*
 - pipe coming out of the final treatment tank
 - finished ground level over the system

If a gravity system cannot be installed because of the grade then a pressurized pump system will be required to pump up to the drainfield. The pressurized system must be designed by an engineer.

5. If the property owner changes to a different type of nitrate reducing system, the permit will no longer be valid. The property owner will then need to update the permit with the new information and have it reviewed by the EHS for approval.

*as per soil group table on page 62 TGM

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