

PICKAWAY COUNTY GENERAL HEALTH DISTRICT

P.O. BOX 613 CIRCLEVILLE, OHIO 43113

Phone: (740) 477-9667 ♦ Fax: (740) 474-5523 ♦ Clinical Health Fax (740) 420-6102



Pickaway County General Health District – Guidelines for Household Sewage Treatment System Designs

PCGHD's Vertical separation distances or VSD's =

- 12 inches for septic tank effluent,
- 6 inches for pretreatment of 10,000 CFU's less,
- 18 inch VSD to glacial till,
- 36 inch VSD to highly permeable material, ground water or aquifer, apparent water table, or bedrock.

The following must be included in design plans for a sewage treatment system:

1. Floor plan of home including layout of bedrooms
2. Design flow, soil infiltrative loading rate, hydraulic linear loading rate, absorption area dimensions, pump selection / sizing if applicable, press. Distribution network if applicable.
3. Rational if varying from standards set in rule (i.e. existing lot reduction, reduction credits for pressure distribution)
4. Description of all materials used, quantities, and estimated lengths needed for installation. Also include tank size, type. Dosing tanks if applicable.
5. Identification of component manufacturer and model for ODH approved systems.
6. Construction and installation notes, manufacturer installation notes
7. O&M manuals if applicable, can be links to online resources.
8. Legible scale drawing including
 - a. Location of soil absorption areas in reference to soil borings, staked at site
 - b. Driveway, home location, garage, outbuildings, bodies of water, boundaries, well site, geothermal systems, and other pertinent information indicating proper isolation distances from system and components
 - c. Replacement area on site drawing and staked on site
 - d. Drainage systems, easements, utility easements
9. Plan view drawing (side profile) including tank elevations, piping, distribution box, soil absorption component depths and that soil absorption is meeting vsd's, etc. Must include elevations for reference when installing. Pump and dosing tank set up if applicable.
10. Pump selection, pressure distribution details, if applicable.

Please contact Environmental Health Division staff for questions at 740-477-9667 ext 225. Also, for site review inspections, location of system components must be staked and easily identified and soil absorption trenches are staked so verification that length on contour is adequate. Home location, driveway, and other site features must be identifiable at the site.

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