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Henry County Health Center Septic Standards

An application completed accurately and legible and fee paid. Submit a septic plan to our office. If plan is approved, a permit will be issued and must be posted at the construction site before any installation begins on the septic system.

New construction under 2 acres requires a certified engineers plan. Regardless of acreage size, all septic work must have a permit.

All installers must be registered with the state of Missouri (HB1433) and with Henry County Health Center. (Henry County Wastewater Regulation 89-1).

Homeowners who want to install their own systems and have 10 acres or more must also register with our office. Registration for installers and homeowners includes paying a fee, attending a class and taking a test (annually for installers).

A current registration list is provided at the Health Center or on line at **henrycohealth.org**.

A 24-hour notice is required for an inspection by the Environmental Specialist. All septic system installation must be inspected in order to be approved. No backfilling is allowed before inspection takes place.

Septic systems installed without a final inspection may result in the system being dug up at the owners and/or installer's expense. Pictures are not a substitute for an inspection.

A soil's profile must be conducted on all new construction sites under 10 acres by a certified Soil Scientist.

Wastewater Treatment systems shall be at least 100 feet away from any potable water source used for human consumption.

Rural water lines and meters must be at least 10 feet away from septic system. Tanks should be no closer to the house than 10 feet with a clean out installed between the house and the septic tank. Cleanouts are required every 90 feet or 90* turn.

A 1000-gallon tank is the minimum size (SEE CHART)

Number of bedrooms	Minimum Liquid Capacity
1 -3	1000 gallons
4	1250 gallons
5	1500 gallons

The tank must be level and adequate fall on the inlet and outlet 1/8" per foot is desired when systems are gravity fed. 4-inch SCH 40 PVC pipe must be used in the inlet and

outlet of the septic tank past the hole of excavation to solid ground. All tanks require a riser over inlet and outlet baffles. A middle manhole riser is required if tank is 18" below the ground surface (19CSR20-3.060). Baffles/tees must be placed correctly inside the tank.

Lateral lines must be at least 10 feet from property lines. Lateral field shall be a minimum of 300 linear feet for a 1 or 2 bedroom house, 400 linear feet for a 3 bedroom house, 500 linear feet for a 4 bedroom and 600 linear feet for a 5 bedroom house.

Distribution box (if used) on level sites must be laid level on rock, if trenches are on different grade then system must be stepped down with the end connection at least 1 inch higher than the receiving line or use a drop box.

Inlet and outlet pipes must be sealed watertight; all lines must be solid pipe from box to laterals. PVC glue is required on all joints.

In moderate soil conditions the sufficient lateral footage is 400 linear feet for the average 3-bedroom house. In poorly drained soils or small lots, alternative systems may be required. No reductions are given.

The trench bottom must be excavated level. All lateral ends must be capped. Distribution lines must be level, not to exceed over 2" of fall in a 100-foot line as determined by a transit or laser.

Backfill with un-compacted topsoil and berm up ditches to allow for settling and detouring of surface water.

One inspection port is required in the field. The standpipe may or may not be connected to the lateral line. This is for a field locator and homeowner observation of the soil saturation capabilities. Laterals must be installed on 10-foot centers.

Lagoons shall have a tank installed ahead of the lagoon. Minimum size of the lagoon shall be 30x40 feet or 1200 sq. feet and 5 feet deep, 3 to 1 slope inside and outside. Minimum 4-foot tall fence must be installed. No discharge pipe allowed. Routine maintenance is required, mowing, eradicating algae growth, clearing shrub growth, and keeping good sunlight penetration on water surface. Lagoons must be at least 100 feet from property lines and residence it serves and 200 feet from all adjoining residences. Solid SDR 35 or heavier pipe must be used from the Sch 40 pipe connection to lagoon. A block or splash pad must be present to secure pipe into the lagoon. The pad or block should be placed in the center of the lagoon.

All sites must have a tract of ground that contains a minimum of 10,000 square foot of suitable land for sewage disposal.

During the final inspection the Environmental Specialist will complete the final inspection form and give a copy to the owner or installer.

For further references on onsite sewage regulations the following are listed for you, in conjunction with Henry County Wastewater Regulation 89-1.

Section 303, 208 and 201 of the Federal Clean Water Act.

10 CSR 20-8.021 DNR sewage standards.

Chapter 701 RSMO.

Dept. of Health & Senior Services 19CSR 20-3.060.

House Bill 1433