

Town of Rico Board of Health

Permit for Individual Sewage Disposal System

Since the Town of Rico does not have a central sewage collection system, an Individual Sewage Disposal System (ISDS) must be used. The most common ISDS utilizes the septic tank and the soil absorption principle. There are other disposal systems, ie. (compost toilet, grey water recycling, evapotranspiration fields) which the Board of Health will consider provided these systems are designed by a professional engineer and presented to the Board for review and approval.

THE SEPTIC TANK ABSORPTION FIELD ISDS

Function- The purpose of an ISDS is to condition liquid and solid wastes (laundry and bath water, discarded food scraps, body wastes, etc.) and digest it so that the liquid may easily percolate into the soil by way of an absorption field.

Definition & Operation- The septic tank usually consists of a 2 compartment tank having a tee or baffle at the inlet and outlet and a baffle near the center. The tank is a watertight structure in which organic solids are decomposed by natural bacterial action. There are two types of bacterial systems. The bacteria present in a septic tank able to thrive in the absence of air is called anaerobic. Conversely, the bacteria that thrive in the presence of oxygen is called an aerobic system. In either system, solids and scum are digested and reduced to a smaller volume by the bacteria in the tank. The flow of sewage is slowed down by its passage through the tank so that the solids can settle to the bottom of the tank and accumulate as sludge. Grease, soap suds and lighter particles rise to the surface and form scum.

Recycling- Final disposal of the bacterially treated sewage, or effluent, occurs when it leaves the tank and flows into the subsurface soil absorption field where it filters into the ground. The ground is the final filter and treatment before the effluent is recycled into the groundwater. However, not all is dissolved and some of the residual inert solid material remains and accumulates in the tank. These residuals must be periodically checked and removed by cleaning or pumping.

Town of Rico, P.O. Box 9, Rico, CO 81332

SEPTIC PERMIT APPLICATION

Owner _____ Address: _____

Phone No. _____
Contractor: _____ Address: _____

Phone No. _____
Systems Installer: _____ Address: _____

Phone No. _____

New Tank _____ Replace Tank _____ New Leach System _____ Replace Leach System _____
Type of Structure: _____ Number of Persons _____
Nos. of Bedrooms _____ Clothes Washer _____ Dishwasher _____ Disposal _____ Other _____
Legal Description: _____ Lot Size: _____
Water Supply: _____

Applicant acknowledges that approval of this permit and system does not guarantee the system against failure. This permit is void if not used within 12 months after application date.

Applicant's Signature _____ Date: _____

To be filled in by a County or Municipal Sanitarian or Registered Professional Civil Engineer.

ATTACH PLANS & SPECIFICATIONS (See Engineer Plans)

Soil Type: _____ Bedrock Depth: _____
Perc. Rate _____ Water Table Depth: _____
Type of System: _____ Treatment Tank: Size: _____ Type: _____
Soil Absorption System: Size: _____
Comments: _____

Plans & Specifications given above are approval for installation:

Signed _____ Date: _____
By: Board of Health, Town of Rico

Installed System found to comply with above approval plans and specifications:

Signed _____ Date: _____
By: County or Municipal Sanitarian/Registered Professional Civil Engineer