

INSPECTION CRITERIA

Septic Inspector

Jim Felmlee

719-850-1516

1. **PHYSICAL SEPARATION DISTANCES**

All distances are measured horizontal

- A. Septic tank must be a minimum of 5 feet from building.
- B. Septic tank must be a minimum of 6 feet from leach field.
- C. Septic tank must be a minimum of 50 feet from any water well.
- D. Septic tank must be a minimum of 10 feet from water supply lines.
- E. Septic tank and leach field must be a minimum of 10 feet from property lines.
- F. Leach field must be a minimum of 100 horizontal feet from water well at nearest point.
- G. Leach field must be a minimum of 20 feet from building.
- H. Leach field must be a minimum of 100 feet from any water source - i.e. water wells, lakes, rivers, ditches, watercourses, etc.

2. **PERCOLATION TEST**

If ground water or bedrock are within 8 feet of surface, or if the percolation rate is faster than 5 minutes per inch or greater than 60 minutes per inch, the percolation test is out of bounds.

- A. Any out-of-bounds percolation test will require an engineer-designed system.
- B. In the area of planned leach field, a hole must be dug that is 8 feet deep or to ground water level. If ground water is at less than 8 feet an engineer-designed system will need to be installed.
- C. Three percolation holes must be dug within the planned leach field. Holes must be dug to same depth as that planned for leach field at least 4 feet deep.
- D. Bottom of leach field must be at least 4 feet above ground water.
- E. No leach field may be installed within 4 feet of bedrock.

3. **TANK**

- A. provided Pre-cast concrete tanks are preferred, but fiberglass, plastic or poly tanks are acceptable they meet the same design requirements as concrete tanks and are National Sanitation Foundation approved for waste storage.
- B. A two compartment tank only (750 gallon minimum).
- C. Septic tank must be level.
- D. There must be at least 5 feet of pipe on both the inlet and outlet ends of tank for support.
- E. Inlet and outlet tee or baffle must extend to within 1 inch of underside of tank, but not touch tank.
- F. Inlet and outlet baffle or tee must extend at least 14 inches below outlet openings.
- G. Pipe entering and exiting the tank must be sealed with appropriate sealing material.
- H. Top of tank must be buried at least 8 inches below finished grade.

4. **LEACH FIELD**

- A. Leach field pipe must be level throughout leach field. If chambers are used instead of pipe and gravel, they must be level.
- B. Final leach field size will depend on soil percolation rate, presence or absence of clothes washer, dishwasher, garbage disposal and number of bedrooms. Garbage disposals are discouraged.
- C. Washed rock used for leach field must be a mixture of 1/2 inch to 2 1/2 inches in size. No pea sized gravel will be allowed.
- D. There must be a minimum of 6 inches of rock underneath the leach field pipe and 2 inches of rock over the pipe. A total of 12 inches of rock must be used.
- E. If pipe and rock are used there must be a layer of hay, straw or pervious material at least 12 inches deep and covered with a layer of soil at least 10 inches deep.
- F. If any other type of system is used other than pipe and rock, you will need to follow all appropriate installation instructions. Contact the Land Use office or the inspector for more information.

PERMIT NUMBER _____
DATE APPROVED _____
PARCEL NUMBER _____
DATE RECEIVED _____

SAGUACHE COUNTY LAND USE DEPARTMENT
PO BOX 326 - SAGUACHE, CO 81149
(719) 655-2321 FAX (719) 655-2635

INDIVIDUAL SEWAGE DISPOSAL SYSTEM APPLICATION PERMIT

Property Owner _____ Phone _____

Address _____

City _____ State _____ Zip _____

Installer _____ Phone _____

Address _____

City _____ State _____ Zip _____

Property address _____

Legal Description:

Quarter Section _____ Section _____ Township _____ Range _____

Number of Acres _____

OR

Subdivision _____ Lot _____ Block _____

ATTACH A PLOT PLAN SHOWING DITCHES, LAKES, RIVERS, WELLS, BUILDINGS, INSTALLED SEWAGE SYSTEM ETC.

Water Source () Private Well () Community Well () Spring, Stream or Creek

Permit Number _____ attach copy of permit to application

Permit is for () New Installation () Modification () Repair

Waste Type () Dwelling () Non-Domestic () Commercial/Institutional

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System Type () Standard System () Engineer-designed System () Vault System () Vault Privy () Composting Toilet

Is this facility within the boundaries of a city or sanitation district? _____, if yes have negotiations been attempted with owner to connect? _____
(if yes please explain) _____

DWELLING SPECIFICS:

Total of existing structures on property _____

Total of existing residences on property _____

Number of Bedrooms _____ Number of people to be served _____

Does the proposed building have the following:

Bath ? _____ How many _____ Kitchen? _____ Garbage Grinder? _____

Automatic Washer? _____ Electric Dishwasher? _____

WHEN SCHEDULING AN INSPECTION WE NEED AT LEAST A 48 HOUR NOTICE!! APPLICANT SIGNATURE IS REQUIRED ON BACK OF THIS APPLICATION. A CERTIFIED ENGINEER MUST DESIGN ANY SEWAGE DISPOSAL SYSTEM THAT HAS A FAILED A STANDARD STATE PERCOLATION TEST!!

PLEASE READ THE FOLLOWING BEFORE SIGNING!!

A fee of \$175.00 plus mileage shall be required of applicants for a new individual sewage disposal system payable before work on the system starts. A fee of \$100.00 will be charged for alteration, repair, or replacement of systems which have been in operation two (2) years or more, in addition permit approval and inspection shall be required. Violation of this procedure will constitute a punishable offense as defined in Regulations Applying to Individual Sewage Disposal System, Section 3.5.

The State of Colorado requires that all dwellings within the State be provided with adequate sewage disposal either through a centralized sewer system or through a County approved and permitted Independent Sewage Disposal System. Failure to install and maintain these facilities is punishable by law.

Permission is hereby granted to the owner or his agent to perform the work indicated above, in accordance with the Saguache County Individual Sewage Disposal System Regulations. Permits shall expire upon completion of the sewage disposal system for which the permit is written or at the end of twelve months from date of issue, unless work is in progress or

unless revoked for non-compliance. Plans and specifications for this proposed sewage disposal system, when reviewed and attached to this permit will have been considered satisfactory.

TO OWNER: you must give the Saguache County Land Use Office AT LEAST 48 HOURS notice prior to the percolation test or final inspection. Leave entire sewage disposal system uncovered until final inspection can be scheduled and done properly. A CERTIFIED ENGINEER MUST DESIGN ANY SEWAGE DISPOSAL SYSTEM THAT HAS FAILED A STANDARD STATE PERCOLATION TEST!!

The septic inspection officer shall assume no responsibility in case of failure or inadequacy of sewage disposal system beyond consulting in good faith with the property owner or representative. Malfunction, should they occur, may be due to improper maintenance and usage, high groundwater table, soil compactation and other factor. These regulations are intended to reduce these types of problems.

SPECIAL NOTICE: Effective January 1, 1986 you must have plumbing permits and inspections on all buildings within the State, including Mobile Homes. Please contact Dennis Gardner at (719)589-0565 or 1-800-866-7586 for more information. If you have any questions regarding this application feel free to call Saguache County Land Use Office at (719)655-2321.

Return to: Saguache County Land Use Department
PO Box 326
Saguache, CO 81149
Phone (719)655-2321 FAX (719)655-2635

By signing below certifies I have read and understand the above and agree to the conditions as stated above.

Applicant needs to be aware that by signing this application you are giving the Saguache County Land Use office staff permission to access your property for purposes relating to this application.

Applicant Signature _____ DATE _____

Received By _____ DATE _____

OFFICE USE ONLY

FEE \$ _____ Perc Date ____/____/____ Final Date ____/____/____
Inspected By _____ Mileage Paid ____/____/____