



COUNTY OF CARBON ~ STATE OF MONTANA

ENVIRONMENTAL HEALTH DEPARTMENT

PO Box 466

Red Lodge, MT 59068

Phone: 406.446.1694

<https://www.co.carbon.mt.us>

MEMORANDUM

TO: Consultants, Surveyors, Developers, Owners, and Contractors

FROM: Carbon County Environmental Health Department

SUBJECT: Information Required for Issuance of On-site Wastewater Treatment System Approval - Title 50 (20 acres or greater, unplatted, platted prior to Sanitation in Subdivision Act)

The following data, but not limited to, is required for the review of on-site wastewater treatment systems for obtaining an authorization to install a septic system in Carbon County:

- Complete legal description – include copy of plat or COS.
- Percolation test per DEQ 4 Table 2.1-1 and in accordance with DEQ-4 Appendix A
- Soils Test Pit (8 ft. depth minimum) – applicant to provide description of following:
 - Depth to seasonal groundwater (may require monitoring if applicable)
 - Depth to bedrock (if applicable)
 - Soil types (in accordance with DEQ Circular 4 Appendix B to include percentage of rock)
 - NRCS soil data provided
- Demonstrate compliance with non-degradation requirements (75-5-301 MCA) – applicant must submit the following data:
 - A copy of USGS topo map including location of property, locations of well logs for calculating hydraulic conductivity, and location of the well where nitrate sample was obtained.
 - Water Sample (Nitrate Background Analysis report)
 - Nitrate sensitivity analysis (include hydraulic conductivity and hydraulic gradient calculations)
 - Phosphorus break-out determination
- Lot Layout Plan: Paper sizes accepted: 8½ X 11 – 11 X 17 – applicant to provide the following details:
 - Legal Description
 - Scale, Legend, North Arrow
 - Water source (type and location ie. Well, Cistern)
 - Drainfield Location (Primary Drainfield and 100% Replacement Drainfield Area)
 - Slope given for drainfield area
 - Dwelling location labeled with number of bedrooms
 - Mixing Zone
 - Soil test pit and percolation test (if necessary) location
 - Location of any streams, ditches, and any neighboring wells
 - Wells, drainfields, and/or mixing zones within 100ft perimeter outside of boundaries shown (and statement that all are shown).
 - 100-year floodplain requirements met, and floodplain and drainages shown
- Drainfield plans and specifications designed in accordance with DEQ 4
- Review Fee Calculation Checklist and appropriate fees with check payable to Carbon County.