

Requirements for obtaining a Septic System Construction Installation Permit

Permits General:

- A completed Onsite Wastewater Treatment System Permit Application with applicable fee.
- Land Use Proposal/Compatibility (LUC) signed by Columbia County Land Development Services Planning Department.
- An approved Site Evaluation if applicable.
- A completed Notice Authorized Representative Form (if assigned).
- A completed Proposed plot plan on approved form (see requirements for site plot plan).
 - North arrow, Test Hole and Water source location, Setbacks; sufficient reference points.
 - Relative elevation of tank inlet, outlet, and beginning/end of drainlines.
- A completed list of materials- manufacturer, make, and model.
 - Septic tank manufacturer (Oregon approved) and size.
 - Type of drainfield media (rock & pipe, chamber technology, or polystyrene bundles).
 - Pump application- Required pump curve calculations for adequately sizing pump (including relative elevations of the tank inlet, pump basin, first box, and transport length).
 - Electrical permit application copy if applicable

Capping Fill:

- Source of capping material (from site, off site imported- sample to be approved before use).

Pressurized Distribution:

- Pressure distribution seepage bed or trench absorption dispersal.
- Absorption dispersal area media (rock, chamber technology, or polystyrene bundles).
- Absorption dispersal area layout (including orifice spacing) with plan view and cross section view.
- Required pump curve calculations for adequately sizing pump (including relative elevations; pipe material, size and length; manifold, distribution laterals, and orifice spacing).
- Copy of required operation and maintenance service contract meeting the DEQ requirements.

Sand Filter System:

- Type of sand filter (above ground, below ground, bottomless); concrete or plywood box.
- Required pump curve calculations for adequately sizing pump (including relative elevations; pipe material, size and length for pressure transport pipe; manifold, distribution laterals, and orifice spacing).

- Sand filter configuration (360 sq. ft) plan view and cross section view with identified media specification as required and defined in the DEQ onsite wastewater treatment system rules.
- Supplier of the DEQ specified media (sand , underdrain); Current copy of the specified media lab testing results.
- Liner manufacturer and material specifications, which meet the DEQ requirements.
- Internal pump option- Required pump curve calculations for adequately sizing pump (including relative elevation of pump basin, pipe material, size and length for pressure transport pipe, drainfield).
- Type of drainfield (gravity or pressure), media (Rock & pipe, chamber technology, graveless, or polystyrene bundles).
- Copy of required operation and maintenance service contract meeting the DEQ requirements.

Alternative Treatment Technology System:

- Manufacturer and model number; configuration specific sheet; add on treatment components if applicable
- Required pump curve calculations for adequately sizing pump (including relative elevations of the tank inlet, pump basin, first box, and transport length).
- Type of drainfield (gravity or pressure), media (Rock & pipe, chamber technology, graveless, or polystyrene bundles).
- Copy of required operation and maintenance service contract meeting the DEQ requirements.