

Onsite Basic Installer

Select CEU Subject Matter Criteria

DHSS approved CEUs meeting any select criteria would also receive general CEUs.

- Soils: interpreting information on soil morphology evaluation reports, recognizing site/soil limitations, understanding suitability for conventional OWTS, installation procedures that protect the soil resource, surface and groundwater drainage systems, and erosion control/management
- Slope/Elevation Measurements
- Sewage pipe standards and pipe bedding practices
- Sewage Tanks: tanks installation requirements, bedding methods for tanks, practices to ensure watertight tank connections and risers, ATU function and installation, purpose and installation of inlet and outlet devices, types and selection of effluent screens, grease tank requirements, and holding tank requirements
- Distribution Methods: gravity distribution, dosed conventional systems, and pressure manifold systems
- Conventional Soil Treatment Fields: construction planning for trench system, site as well as other approved lateral trench products
- Operation & maintenance of conventional OWTS components
- Troubleshooting: homeowner use of system (questions/interview), flow rates/metering, infiltration/inflow, soil limitations, surface/subsurface drainage issues, tank malfunctions, effluent screens, distribution problems, and soil treatment concerns
- Math: tank sizing, volume, retention time, minimum sizing for conventional soil treatment systems, and minimum sizing for lagoons

Half Credit Select CEUs:

The following subject matters that are specific to onsite wastewater may be awarded up to half select CEU for each general CEU awarded on a case-by-case basis. The select credit will be awarded to each applicable select criteria.

- Health: pathogens in wastewater, health effects of exposure to wastewater, how to protect against health risks
- Safety: chemical hazards, electrical hazards, confined space hazards, excavation and trench safety, OSHA
- Product/Equipment: training specific to new products or equipment

General CEUs (No Select): General topics below will be accepted as they pertain to onsite wastewater.

These classes are not specific to the field and therefore will not receive select credit (only receive general).

- First aid, CPR, and other general safety topics such as cleanup, storage, or disposal of hazardous substance
- Local onsite ordinances
- Missouri Onsite Wastewater Laws, registration/licensing requirements, and standards of practice (19 CSR 20-3.080)
- Other Agencies:
 - General – Watershed and groundwater protection
 - DNR – Residential Housing Development Rule or Land Disturbance
 - Missouri One Call – utility locate requirements
 - EPA – decentralized (OWTS and/or cluster systems) management, Clean Water Act related to OWTS and decentralized systems