



CONVENTIONAL (NON-ENGINEERED)
ON-SITE WASTEWATER TREATMENT SYSTEM DESIGN WORKSHEET
This form is to be used to aid in the design of conventional systems but cannot take the place of a Design Document as required in Regulation O-17.

Property Information

Address: _____

Wastewater Flow

Number of Bedrooms in Home: _____

Design Wastewater Flow (gallons/day) From Table 2 in O-17: _____

Septic Tank

Septic Tank Size (in gallons) from Table 9 in O-17: _____
(NOTE: Tank must be CDPHE approved)

Maximum Tank Burial Depth (from top of tank, in inches) _____
(NOTE: Shall not exceed 48 inches, unless for a repair)

Yes No

Is tank certified for proposed burial depth?
Will groundwater affect tank?
If "Yes" include buoyancy calculations in design document

(If buoyancy uplift exceeds weight of tank and soil, the tank manufacturer shall provide recommendations to compensate for buoyancy or engineered design shall include "tie-downs" or measures to prevent "floating")

Yes No

Will an effluent screen be installed?

Soil Treatment Area (STA)

Long Term Acceptance Rate (LTAR) From Table 10 in O-14: _____

Unadjusted STA Size (see 13.3 E. in O-17) – Show Calculation: _____

Type of STA (check which applies):
Trench Bed

Proposed STA depth (inches): _____

FOR REPAIRS ONLY (check which applies):

- Deep Bed (greater than 4 feet)
- Wide Bed (more than 12 feet wide)
- Deep Gravel Trenches
- Seepage Pit
- None of the Above

Method of Septic Tank Effluent Application (check which applies):

Gravity
Dosed with Pump
Dosed with Siphon

Type of Media (check which applies):

Rock
Chambers - Total number of chambers: _____
Type: _____
Manufacturer: _____
Alternative Media - Type: _____

Adjusted STA Size, Using Factors from Table 12 & 13 (show calculation, with adjustment factors utilized):

NOTE: A Scale drawing *shall* be provided with each design document, showing:

- Layout of STA
- Dimensions of trenches or beds
- Location of each OWTS component and distances to all applicable physical features in Table 5