ADAMS COUNTY HEALTH DEPARTMENT
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Reset Form

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-22

Property Information

Address:_____

Wastewater Flow

Number of Bedrooms in Home: _____

Design Wastewater Flow (gallons/day) From Table 2 in O-22: _____

Septic Tank

Septic Tank Size (in gallons) from Table 9 in O-22: _____
(***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-22: _____

Unadjusted STA Size (see 13.3 E. in O-22) – 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