Two-Chamber Septic Tank, Combination Dosing Septic Tank
Engineered Plan Requirements/Self Certification Form

Note: Refer to OAR 340-71&73 for details of a specific rule requirement itemized on the checklist. Specifications identified on the checklist must be clearly shown on the engineering plans submitted.

Tank Capacity & Configuration:

- Each chamber volume (in gallons) below invert:_____, operating gallons per chamber:______, gallons per inch per chamber calculated by Engineer:_____. OAR 340-73-0025(11) These and subsequent details must be shown on the plans.
  
  ____% of tank volume above first chamber outlet invert (10% minimum). 73-0025(8)

- Buoyancy and countermeasures described where on plans:_________________________. 73-0025(11)

- Watertight testing procedure described where on plans:_________________________. 73-0025(3)

- Service access manhole diameter:____ inches (18 inch minimum) for each compartment. 73-0050(2)

- Service riser/gasketed cover described & detailed where on the plans:_________________________. Riser connection at tank described where on the plans:_________________________. 73-0025(2)

- Diameter service access riser:_____ inches (20 inch minimum for burial depths to 3 feet). 71-0220(6)(c)

- Method for securing cover (weighing less than 50 lbs.) to riser described where on the plans:_________________________. 71-0220(3)(b)(C) & (6)(c)

- Inlet and outlet Tee fitting materials:____________ (Sch. 40 PVC or ABS?). Diameter:__inches (4 inch minimum). 73-0025(7)(a)

- Distance between inlet & outlet Tee fittings:__ inches (distance must equal depth at a minimum). 73-0025(7)(b)

- Inlet and outlet Tee located at opposite ends of the tank? Y/N__ Watertight riser over inlet of each compartment diameter:____ (8 inch minimum) 73-0025(7)(c)

- Inlet Tee fitting extends __ inches above the normal high liquid level (each compartment) and__ inches below the normal low liquid level (specify for each compartment except dosing chamber). The minimum standard is 6 inches above and 12 inches below the normal liquid level. Outlet Tee fitting extends __ inches above the normal high liquid level (each compartment) 73-0025(7)(d)&(e)

- Structural integrity described by engineer. The tank can support an earth load of _____ pounds/square foot (300 psf minimum) lateral load _____ pounds per cubic foot of equivalent fluid pressure (62.4 pcf of EFP) ______ pound wheel load (2,500 pound minimum shall be considered)73-0025 (5)

- The outlet Tee fittings or ports in a vault/effluent filter draws at an elevation measured from the inside bottom to ____% of the lowest operating liquid depth. 73-0025(7)(e)

- Liquid depth of each compartment:____ inches (not less than 30 inches or greater than 72 inches). 73-0025(1)(c)
• Effluent filter details provided, comply with rule requirements? Y/N__ 73-0056

• Method for watertight pipe connections described where on the plans:________________________. 73-025(7)(i)

• Pump control/alarm float placement provides adequate capacities for surge clearly shown/described on plans? Y/N where:_________________ (1/3 design flow reserve storage minimum that allows for sludge & scum accumulation, and hydraulic retention time without exceeding inlet invert level). 73-0055(4)

• All dosing apparatus can be placed to facilitate ease of service without alterations? Y/N__ 73-0050(4)

**INSTALLATION MANUAL**

• Method of protection from the weather:________________ (example would be waterproof paper) 73-0025(13)

• Excavation details for tank placement described where on the guide:________________________. 73-0025(13)

• Tank bedding requirements described where on the guide:________________________. 71-0220(3)(b)

• Tank backfill procedures described where on the guide:________________________. 73-0025(13)

• Buoyancy and countermeasures described where on the guide:________________________. 73-0025(11)

• Guidance provided for water-tight attachment of Riser to top of tank described where on the guide:________________________. 73-0025(13)

• Guidance provided for secure attachment of riser cover described where on the guide:___________. 73-0025(13)

• Guidance provided for attachment of outlet piping described where on the guide:______________.. 73-0025(13)

• Water-Tight testing protocols described where on the guide:________________________. 73-0025(13)

• Special precautions or limitations described in manual? Y/N___ 73-0025(13)

• Guidance provided for placement of pump control floats, valves, wiring, or siphon and counter (if applicable) described where on the guide:_______________________. 73-0050(4 & 5) & 73-0055(5)

• Pump control/alarm float placement that provides adequate capacities for surge, and adequate storage volume described where on the guide:________________________. 73-0055(4).

• Guidance provided for dosing 2nd chamber pass-through for electrical and outlet piping described where on the guide:________________________. 73-0050(4)

**Certification.** I hereby certify that the engineering plan(s) and specifications as well as installation guide that I have submitted for the tank configuration are complete and in total compliance with pertinent requirements of the OAR 340- 71 & 73 Onsite Wastewater Treatment System Rules.

**Manufacturer**

Signature:__________________________Title:________________________________Date:_____________

**Engineer**

Signature:__________________________Title:________________________________Date:_____________