State of Oregon
Department of Environmental Quality
Water Quality Division, Onsite Program

Single-Chamber Septic Tank, 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 should be clearly shown on the engineering plans submitted.

Tank Capacity & Configuration:

- Tank volume (in gallons) below invert:_____, operating gallons:______, gallons per inch calculated by Engineer:_____. OAR 340-73-0025(11) These and subsequent details must be shown on the plans.

- 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). 73-0025(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). 71-0220(6)(c)

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

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

- Air gap above inlet fitting:____inches (2 inch minimum). Watertight attachment? Y/N____ 73-0025(7)(f)

- Inlet fitting extends ___inches below lowest operating liquid level. 73-0050(6)

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

- 10% of tank volume above septic tank outlet Tee invert or dosing septic tank pump alarm float. 73-0025(8)

- Inlet Tee fitting invert level at least 1 inch higher than highest normal liquid level (above outlet Tee invert or pump alarm float). 73-0025(7)(g)

- 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 and __inches below the normal low liquid level. 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 73-0025(7)(d)&(e)

- 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:___ inches (not less than 30 inches or greater than 72 inches). 73-0025(1)(c)
• Effluent filter details provided, comply with rule requirements. 73-0056
• Method for watertight pipe connections between effluent sewer connection and outlet detailed by Engineer. 73-0025(7)(i)
• All dosing apparatus can be placed to facilitate ease of service without alterations? Y/N__. 73-0050(4)
• 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)
• Prefabricated tank marked over outlet with liquid capacity, burial depth limit, date of manufacture, full business name or number assigned by the Department 73-0025(10)

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 inlet and outlet piping described where on the guide:_________________________. 73-0025(13)
• Watertight 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).

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:____________