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

Dosing Tank <1,000 Gallons
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:

• 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:________________________. 73-0025(7)(i)

• Electrical and outlet piping pass-through described where on the plans:________________________. 73-0050

• 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)

• Commercial-use tank designed for placement of 2 pumps, with adequate service access? 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)
Note: Refer to OAR 340-71&73 for details of a specific rule requirement itemized on the check-list. Specifications identified on the check-list must be clearly shown on the engineering plans submitted.

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(11)

- Guidance provided for secure attachment of riser cover described where on the guide:_____________________. 73-0025(11)

- 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).

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:________________