



Oregon

Tina Kotek, Governor

Department of Environmental Quality

Western Region Eugene Office

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TTY 711

February 9, 2023

Calvin Locker
Ecological Tanks, Inc.
2247 Hwy 151 N
Downsville, LA 71234

RE: Aqua Safe[®] AS500L with Salcor UV Unit
Aqua Safe[®] AS600L with Salcor UV Unit
Aqua Safe[®] AS800L with Salcor UV Unit
Aqua Safe[®] AS1100L with Salcor UV Unit
Treatment Standard 2

You applied to Oregon Department of Environmental Quality to list the above-referenced products as approved alternative treatment technologies. DEQ reviewed your application, plans, specifications, and other required exhibits for the Aqua Safe[®] system. The systems' design flow ratings are listed below, and your applications were submitted requesting treatment standard 2 designation.

You provided third party NSF/ANSI testing data from an organization whose accreditation is specific to onsite wastewater treatment products certifying the product complies with all applicable DEQ rules. DEQ has reviewed these materials for compatibility with the standards and criteria found in Oregon Administrative Rules 340-071-0345. I am pleased to advise you that DEQ has found the following ATT systems manufactured by Ecological Tanks, Inc. to meet the approval criteria for **Treatment Standard 2** when used as part of an onsite wastewater treatment system in Oregon:

Aqua Safe[®] AS500L with Salcor UV Unit - Design Flow 500 gallons per day
Aqua Safe[®] AS600L with Salcor UV Unit - Design Flow 600 gallons per day
Aqua Safe[®] AS800L with Salcor UV Unit - Design Flow 800 gallons per day
Aqua Safe[®] AS1100L with Salcor UV Unit - Design Flow 1,100 gallons per day

Ecological Tanks, Inc. is authorized to manufacture, market, and distribute these ATTs for use in single family dwellings and commercial facilities in Oregon so long as the following conditions are met:

1. You must manufacture the ATT in compliance with DEQ's rules, approved plans and design specifications. Alteration of the ATT system design that might affect system

performance must be approved by an ANSI accredited, third-party testing and certification organization and DEQ.

2. The approved versions of the plans are dated February 8, 2023.
3. Septic tanks. Tanks must be approved for use in Oregon and refer to DEQ-approved drawing for specific configuration.
4. Per OAR 340-071-0345(6)(a), the system must be designed to prevent untreated waste passing into the absorption field if the plant malfunctions. The manufacturer has stated that the system is designed that if a malfunction occurs, sewage would surface before passing untreated or partially treated effluent to the soil absorption system.
5. An audible and visual alarm must activate in the event of electrical, mechanical equipment or hydraulic malfunction of the system.
6. You must train and certify maintenance providers on system maintenance for these ATTs. Individuals installing your system, and regulators in the county of installation, must be trained prior to installation of your products in Oregon, in accordance with the approved plan included in your application.
7. As the manufacturer of these products, it is your responsibility to assure that each assembled ATT delivered to the construction site is watertight. Assurance must be achieved by periodic testing of the ATT products for watertightness at the manufacturing facility.
8. Service contracts and inspection / service visits must meet or exceed the requirements of OAR 340-071-0345(14).
9. Unless otherwise authorized by DEQ, Ecological Tanks, Inc. must submit an annual manufacturer report. The report must include, but is not limited to:
 - a. A current list of each ATT sold in the State of Oregon for the reporting period, including the model number, serial number, and the property address where the ATT is located;
 - b. A current list of all maintenance providers certified by Ecological Tanks, Inc. and;
 - c. The material plan review fee in OAR 340-071-0140(5).
10. All other applicable rules and requirements within OAR 340-071 and 073 must be followed.

Pursuant to OAR 340-071-0345(2)(e), DEQ has the authority to remove ATTs from the approved list if DEQ determines that the requirements for approval are no longer satisfied, or if any of the following conditions have occurred:

- Ten percent or more of system under 10 years of age fail;
- The ATT does not produce effluent quality equal to or better than Treatment Standard 1 requirements, respectively, under normal operating conditions;
- The manufacturer fails to submit the annual report and annual compliance determination fee by the date specified by DEQ; or
- The manufacturer goes out of business.

DEQ's decision to list this ATT as approved does not constitute an endorsement of the product. Moreover, DEQ is not responsible for any situation that may result from improper use or misapplication of your product.

If you have any questions regarding this letter, please contact Randy Trox, randall.trox@deq.oregon.gov, or by phone at (541) 687-7338.

Sincerely,


Deborah Mailander (Feb 9, 2023 14:52 PST)

Deborah Mailander, Manager
Onsite/401 Programs

Enclosures – approved plans

EC: All Contract County Offices
All DEQ Direct Service Offices