Oregon

John A. Kitzhaber, MD, Governor

Department of Environmental Quality
Western Region Eugene Office
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TTY 711

March 22, 2013

Mike Cantanzaro
Pentair Water, dba Delta Environmental®
8263 Florida BLVD.
Denham Springs, LA 70726

RE: Ecopod E-50-N-IM1060, E-60-N-IM 1060, and E-75-N-1060
Alternative Treatment Technology

Dear Mr. Catanzaro:

The Oregon Department of Environmental Quality (DEQ) has received your Alternative Treatment Technology (ATT) applications, and the plans, specifications, and other required application exhibits. Your company has certified the following ATT systems comply with all applicable DEQ rules and regulations. The Department has reviewed the materials submitted with your application(s) for compatibility with the standards and criteria found in Oregon Administrative Rule (OAR) 340-071-0345. I am pleased to advise you that the following ATT systems have been found to meet approval criteria for Treatment Standard 1 when used as part of an onsite wastewater treatment system in Oregon:

- Ecopod E-50-N-IM 1060, 500 gallons per day (GPD) in configuration 1,2,3
- Ecopod E-60-N-IM1060, 600 gpd in configuration 1,2,3
- Ecopod E-75-N-IM1060, 750 gpd in configuration 2, 3.

Your company is authorized to manufacture, market, and distribute the ATT systems listed above, for use in Oregon, provided the following conditions are met:

1. The ATT systems must be manufactured in compliance with the Department's rules, and the plans and design specifications provided. Any deviation from the approved plans and specifications are not permitted unless authorized by NSF® International and in writing by DEQ. Product modification approvals must be copied to DEQ.

2. The approved plans are labeled Delta Environmental Ecopod, Drawing number DEP248A, Rev A and stamped "Approved" by DEQ on March 13, 2013.

3. The ATT systems must be preceded by a septic tank or dosing septic tank approved for use in Oregon. Systems preceded by a septic tank must have either an effluent pump station or Oregon approved dosing tank following the ATT.

4. All commercial systems with a design flow greater than 600 gallons per day must be constructed with duplex pumps (two or more alternating pumps) unless otherwise authorized in writing by the department. Controls must be provided such that an alarm will signal when one of the pumps malfunctions.

5. In the event of air blower failure, the control panel must lockout influent or effluent pump operation to prevent untreated or partially treated effluent from discharging to the absorption area. An audible and visual alarm must activate in the event of either a pump or air blower failure.

6. The air blower must be installed near the control panel and no more than 100 feet from the ATT.

7. Delta Environmental must provide training for, and maintain a list of, certified installers and maintenance providers authorized to work on these ATT systems and provide certificates to those individuals. Individuals (homeowners) installing your system, and regulators in the County of installation, must be trained prior to installation of your products in Oregon. Please provide the DEQ with a plan for training installers, maintenance providers, and regulators within ninety (90) days of the date of this letter.

8. Delta Environmental products specifically applied for this ATT to be housed in an IM-1060 septic tank, manufactured by Infiltrator Systems, Inc. All Ecopod systems must be installed in accordance with your installation manual requirements and the installation requirements of the tank manufacturer.

9. Systems less than 10 years old may not exceed a failure rate of ten (10) percent.

10. The ATT system must maintain NSF® International Standard 40 certification.

11. As the manufacturer of these products, it is your responsibility to assure that each assembled ATT system delivered to the construction site is water-tight. Assurance must be achieved by periodic testing of the ATT components for water-tightness at the manufacturing facility.

12. A service contract, and inspection and service visits must meet or exceed the requirements of OAR 340-071-0345(14). The current rules states that a two-year service contract, including a minimum of four (4) service visits scheduled every six months, to inspect, adjust and service the ATT is required until the system is decommissioned. The initial service contract must be included in the purchase price of the ATT.

13. Each ATT system must be delivered with an installation guide and owner's manual.

14. Each ATT system is only acceptable at locations were the top loading will not exceed the engineering design parameters. ATT systems proposed for use at other locations will require an engineering analysis of the potential top loading, and may require preparation of site-specific plans and specifications.

This determination should not be construed in any way as the Department's endorsement of this product or any advertising. Moreover, the Department is not responsible for any situation which may result from use or misapplication of your product.

If you have any questions regarding this letter, please contact Dan Wiltse at (541) 687-7436 or by email at wiltse.daniel@deq.state.or.us

Sincerely,

Michael E. Kucinski, Manager
Water Quality/Onsite

ec: All Contract County Offices
All DEQ Direct Service Offices