



Oregon

John A. Kitzhaber, MD, Governor

Department of Environmental Quality

Western Region Eugene Office

165 East 7th Avenue, Suite 100

Eugene, OR 97401

(541) 686-7838

FAX (541) 686-7551

TTY 711

August 28, 2013

Mike Catanzaro
Director of Sales
Delta Environmental Products
8263 Florida Boulevard East
Denham Springs, LA 70726

RE: Delta Environmental Products™ DF-100AFF (2X) Parallel Configuration
NSF Standard 40 Certified Onsite Wastewater Treatment Systems

Dear Mr. Cantanzaro,

We received your Alternative Treatment Technology (ATT) application and the plans, specifications, and other required exhibits for the DF-100AFF (2X) incorporating two Delta Whitewater DF™ 100-AFF systems rated at 1,000 gallons per day (gpd) for Treatment Standard 1 approval.

NSF International (NSF), through a letter dated July 15, 2013 has stated that if the rated capacity of the certified system is not exceeded, the strength of the wastewater is residential and the loading of the system is maintained consistent with your design, then NSF certification of the systems remain valid.

Your company and NSF have certified that the ATT systems comply with all applicable rules and regulations. We have reviewed these materials 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 manufactured by Delta Environmental Products™ have been found to meet the approval criteria for **Treatment Standard 1** when used as part of an onsite wastewater treatment system in Oregon:

- Delta Whitewater DF™ 100-AFF (2X) Parallel Configuration (2000 GPD)

Delta Environmental Products™ is authorized to manufacture, market, and distribute these ATT's for use in Oregon provided the following conditions are met:

1. The ATT must be manufactured in compliance with the Department's rules and the plans and design specifications approved by the Department. Alteration of the ATT system design that might affect system performance must be authorized by NSF International and the Department. Product modification approval from NSF International must be copied to the Department.

2. The approved version(s) of the plans are labeled Delta Whitewater 1,000 gpd 2X unit W/ Oregon Approved Septic tank & Dosing Tank(s), configuration 4 & configuration 5 and are dated August 28, 2013.
3. The ATT system must be preceded by properly sized septic tank(s) and dosing tank(s) approved for use in Oregon. A minimum total septic tank capacity requirement of 4,000 gallons (not including the dosing tank) is required to precede the ATT System. If multiple tanks are needed, they may be connected in parallel or in series. If tanks are in series, the largest tank must receive sewage first. Duplex pumps are required in the dosing tank in accordance with OAR 340-073-0055(4)(i).
4. When dosing to a drain field the use of duplex pumps is required. When using a 1,000 gallon dosing tank, duplex pumps and telemetry are required. Telemetry is not required when using a 1,500 gallon or larger dosing tank.
5. In the event of air blower failure, the control panel must lockout 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. Your company must provide training for, and maintain a list of certified installers and maintenance providers authorized to work on these ATT's and provide certificates to those individuals. Individuals installing your systems, and regulators in the County of installation, must be trained prior to installation of your products in Oregon. Please provide the Department with a plan for training installers, maintenance providers, and regulators within ninety (90) days of the date of this letter.
7. As the manufacturer of these products, it is your responsibility to assure that each assembled ATT delivered to the construction site is water-tight. Assurance must be achieved by periodic testing of the ATT products for water-tightness at the manufacturing facility.
8. Service contract, and inspection and service visits must meet or exceed the requirements of OAR 340-071-0345(14). The current rules state 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.
9. Each ATT system must maintain NSF Standard 40 Class I Certification.
10. Systems less than 10 years old may not exceed a failure rate of 10 percent.
11. The ATT must be installed in accordance with the manufacturer's installation manual.
12. Each ATT is only acceptable for use at locations where the top loading will not exceed the engineering design parameters. ATT systems proposed for use at other locations

requires an engineering analysis of the potential top loading, and may require the preparation of site-specific plans and specifications.

13. All other applicable rules and requirements within OAR 340-071 and 73 must be followed.

This determination should not be construed in any way as our endorsement of the product or any advertising. Moreover, we are 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
WQ/Onsite Manager

EC: All Contract County Offices
All DEQ Direct Service Offices



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TTY 711

May 26, 2011

Mike Catanzaro
Sales Manager
Delta Environmental Products, Inc.
P. O. Box 969
Denham Springs, LA 70727

Re: Delta Environmental Products™ Whitewater® DF100-AFF Alternative Treatment Technology

Dear Mr. Catanzaro,

The Oregon Department of Environmental Quality (Department) has evaluated your application for approval as an Alternative Treatment Technology (ATT) in Oregon. In your application your company has certified that the ATT systems manufactured by your company will comply with all applicable Department rules and regulations. Furthermore, the Department has reviewed your application materials 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 system has been found to meet the approval criteria for Treatment Standard 1 when used as part of an onsite wastewater treatment system in Oregon:

➤ **Delta Whitewater® Treatment Unit Model #DF100-AFF (1000 gpd)**

You are authorized to manufacture, market, and distribute these ATT's for use in Oregon, providing the following conditions are met:

1. The ATT must be manufactured in compliance with the Department's rules, and the plans and design specifications provided. Any deviation from the plans and specifications shall not be permitted unless authorized by NSF and in writing by the Department.
 - Approved Plans for Delta Whitewater DF100-AFF, in Configuration 1 dated May 26, 2011.
 - Approved Plans for Delta Whitewater DF100-AFF, in Configuration 2 dated May 26, 2011
 - Approved Plans for Delta Whitewater DF100-AFF, in Configuration 3 dated May 26, 2011.

2. In the event of air compressor failure, the control panel shall lock out effluent pump operation to prevent untreated or partially treated effluent from discharging to the disposal area. An audible and visible alarm shall activate in the event of either pump or air compressor failure.
3. The ATT must be preceded by a septic tank or dosing septic tank approved for such use in Oregon.
4. The manufacturer must provide training for, and maintain a list of, certified installers and maintenance providers authorized to work on these ATT's and provide certificates to those individuals.
5. Systems less than 10 years old may not exceed a failure rate of 10 percent.
6. Each ATT must maintain NSF Standard 40 certification.
7. As the manufacturer of these products, it is your responsibility to assure that each assembled ATT delivered to the construction site is water-tight. Assurance must be achieved by periodic testing of the ATT products for water-tightness at the manufacturing facility.
8. Service contract, and inspection and service visits must meet the requirements in OAR 340-071-0345(14). The current rules state that a two-year service contract, including a minimum of four (4) service visits scheduled every six (6) 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.
9. Each ATT shall be delivered with an installation guide and owners manual.
10. Each ATT is only acceptable for use at locations where the top loading will not exceed the engineering design parameters. ATT's proposed for use at other locations shall require an engineering analysis of the potential top loading, and may require the preparation of site-specific plans and specifications.

If you have any questions about this letter or would like any technical assistance, please contact Dan Wiltse at (541) 687-7436.

Sincerely,



Michael E. Kucinski, Manager
Water Quality/Onsite

ec: All Contract County Offices
All DEQ Direct Service Offices