



**Maine Department of Health and Human Services  
Maine Center for Disease Control and Prevention  
11 State House Station  
286 Water Street  
Augusta, Maine 04333-0011**

**PAUL R. LEPAGE  
GOVERNOR**

**BETHANY L. HAMM  
ACTING COMMISSIONER**

September 18, 2018

Orenco Systems, Inc.  
Attn.: Joseph Soulia  
814 Airway Ave.  
Sutherlin, OR 97479

Subject: Product Registration, AdvanTex AX-20, AXGreywater, AX-100, and AX Max, 12 Inch Separation

Dear Mr. Soulia:

The Division of Environmental Health has completed a review of a registration application for the subject products. This information was submitted pursuant to Section 6.HH of the Subsurface Wastewater Disposal Rules for registration for use in Maine.

The AdvanTex line received registration approval for use in Maine in July of 2006, having achieved National Sanitation Foundation (NSF) Standard 40 compliance.

Pursuant to Section 6.HH.3 of the Rules, a product must be based upon sound engineering principles and can be expected to provide the same level of protection to public health and the environment as offered by the authorized products presently authorized by the Department for use in these Rules. Sound engineering principles may be demonstrated by submitting a letter to the Department from a) a certifying organization, such as the Building Officials and Code Administrators (BOCA), or other suitable organization stating their approval of the product, or b) the American Society for Testing and Materials (ASTM) indicating the subject product (used as indicated in the request) meets the ASTM standard as specifically listed in the appropriate section of any nationally recognized code, such as BOCA or equal.

According to the new information you provided, the Advantex system produces effluent with combined BOD<sub>5</sub> and TSS levels of 10 mg/l or less, each. You have requested a reduction in separation distance to 12 inches from the seasonal high groundwater table in all soils and 12 inches from bedrock when the effluent is treated with ultraviolet light disinfection.

On the basis of the information submitted, the Division has determined that the AdvanTex AX-20, AXGreywater, AX-100, and AX Max are acceptable for use in the State of Maine with a 12 inch vertical separation from limiting factors, provided that they are installed, operated, and maintained in conformance with the manufacturer's directions and the following conditions:

1. When a 12 inch vertical separation from the limiting factor is proposed under this approval, when the Rules would otherwise prohibit such separation, the applicant must enter into a maintenance agreement with a company qualified to inspect and service the proposed treatment system for a minimum of five (5) years AND provide a copy of such agreement to the Local Plumbing Inspector (LPI) for the municipality in which the system would be installed. The contract or a similar contract must be entered into and copied to the LPI each five years thereafter.
2. This 12 inch vertical separation from the limiting factor approval is valid only for AdvanTex AX-20, AXGreywater, AX-100, and AX Max systems when ultraviolet light disinfection is utilized as part of the system.

Because installation and owner maintenance has a significant effect on the working order of onsite sewage disposal systems, including their components, the Division makes no representation or guarantee as to the efficiency and/or operation of AdvanTex AX-20, AXGreywater, AX-100, and AX Max. Further, registration of these products for use in the State of Maine does not represent Division preference or recommendation for these products over similar or competing products.

If you have any questions, please feel free to contact me at (207) 287-5695.

Sincerely,



James A. Jacobsen  
Water Operator Licensing Coordinator  
Division of Environmental Health  
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