



**Scott Walker, Governor**  
**Dave Ross, Secretary**

June 30, 2016

Identification Numbers
<b>Transaction ID No. 2723924</b>
Please refer to both identification numbers, above, in all correspondence with the agency.

CUST ID No. 1352957

PATRICK TORRES  
ORENCO SYSTEMS INC  
814 AIRWAY AVE  
SUTHERLIN OR 97479

**PLAN APPROVAL EXPIRES: 06/30/2021**

Re: Description: SEWAGE TANK EFFLUENT PUMP SYSTEM (STEP)  
 Manufacturer: ORENCO SYSTEMS INC  
 Product Name: (trans id 2723924) BIOTUBE PUMP VAULT  
 Model Number(s): PVU\*\*-++", X#S^^-++", AND X#D^^-++"  
 [WHERE \*\* IS THE VAULT HEIGHT IN INCHES; ++ IS THE CARTRIDGE HEIGHT IN INCHES; " IS THE INLET HOLE HEIGHT IN INCHES; # IS THE FLOW INDUCER DIAMETER IN INCHES; AND ^^ IS THE VAULT HEIGHT IN INCHES]  
 Product File No: 20160169

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters SPS 382 through 384, Wisconsin Administrative Code, and Chapters 145 and 160, Wisconsin Statutes.

The Department hereby issues an approval based on the Wisconsin Statutes and the Wisconsin Administrative Code. **This approval is valid until the end of June 2021.**

This approval supersedes the approval issued on 1/20/2011 under product file number 20110030.

This approval is contingent upon compliance with the following stipulation(s):

- Installation and servicing of this product must be in accordance with the manufacturer's instructions. A copy of the manufacturer's installation and servicing instructions must be given to the owner of the system.
- This product must be installed in sewage treatment tanks approved by the Department of Safety & Professional Services, Division of Industry Services for use with this product.
- When this product is use in conjunction with a simplex pump in the pump compartment of a septic/pump tank:
  1. The pump compartment must be sufficient to accommodate a one-day reserve zone above the high water alarm level; or
  2. The septic/pump tank must be sufficient to accommodate a:
    - a. Treatment zone equal to 2.088 times the design wastewater flow entering the tank,
    - b. Drawdown zone, and
    - c. One-day reserve zone above the high water alarm level.

- When this product is used to pump from a single compartment septic/pump tank, the discharge rate of the pump must not exceed 40 gallons per minute.
- A pump rated for effluent use must be used.
- Additional information is included as attachment(s) to this letter; see attachment A.

The department is in no way endorsing this product or any advertising, and is not responsible for any situation which may result from its use.

Sincerely,

Glen Jones, M.S.  
POWTS Product Reviewer  
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fax: (608) 267-9723  
email: glen.jones@wi.gov

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