



December 9, 2014

ZOELLER PUMP COMPANY  
WES COMBS, REGULATORY SPECIALIST  
3649 CANE RUN RD  
LOUISVILLE KY 40211-1961

Re: Description: SEWAGE TANK EFFLUENT PUMP SYSTEM (STEP)  
Manufacturer: ZOELLER PUMP COMPANY  
Product Name: ZOELLER EFFLUENT TURBINE FILTERED STEP SYSTEM  
Model Number(s): 5041-0003, 5041-0004, 5041-0005, 5041-0006, 5041-0007, 5041-0008, 5041-0009, 5041-0010, 5041-0011, 5041-0012, 5041-0013, 5041-0014, 5041-0015, 5041-0016, 5041-0017 and 5041-0018  
Product File No: 20140272

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 December 2019.**

This approval supersedes the approval issued on 20090160 under product file number 6/01/2009.

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 receives wastewater from dwellings and is used as a septic tank effluent pump system, it will produce an effluent quality with a maximum monthly average value for BOD5 of greater than 30 mg/L and less than or equal to 220 mg/L, TSS of greater than 30 mg/L or less than or equal to 150 mg/L TSS and F.O.G. of less than 30 mg/L.
- The POWTS treatment tank that this product is installed in must comply with the following calculations.
  - \_\_\_\_\_ ST (Required septic treatment capacity in gallons)
  - \_\_\_\_\_ RC (Reserve capacity in gallons)
  - \_\_\_\_\_ TTR (Total tank volume requirement in gallons)
  - \_\_\_\_\_ IUI/C (Inches under inlet, calculated)
  - \_\_\_\_\_ IUI/M minus IUI/C (must be greater than zero)
  - \_\_\_\_\_ MSD (Minimum system vertical dimension between the inlet invert and inside bottom of tank for filter STEP system to work under the inlet)
  - \_\_\_\_\_ IUI/M (Inches under inlet, measured, must be equal to or greater than MSD)
  - \_\_\_\_\_ TTR/GPI (must be equal to or less than IUI/M)