



April 3, 2014

NORWECO INCORPORATED
SCOTT HENTRICK
220 REPUBLIC STREET
NORWALK OH 44857

Re: Description: SEWAGE TREATMENT APPARATUS (Tier 1- downsizing credit)
Manufacturer: NORWECO INCORPORATED
Product Name: HYDRO-KINETIC
Model Number(s): 600 FEU (Max. DWF 600 GPD)
Product File No: 20130385

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 April 2019.**

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

- The maximum daily wastewater flow which may discharge through this product is 600 gallons per day.
- This product must be installed in Hydro-Kinetic design specified sewage treatment tanks approved by this department for use with this product.
- A copy of this approval letter must accompany each installation of this product in the State of Wisconsin.
- 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.
- When this product receives wastewater from dwellings, it will produce an effluent quality with a maximum monthly average value for BOD5 of less than or equal to 30 mg/L, TSS of less than or equal to 30 mg/L TSS and F.O.G. of less than 30 mg/L.
- This Hydro-Kinetic system is designed to treat only residential domestic wastewater.
- | Table 1 Maintenance, Inspection, Pumping Requirements
Hydro-Kinetic (Model 600 FEU) |
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Initial/Startup Inspection/ Maintenance Requirements: Semi-annual service inspections, at six month intervals for the first two years of system operation, are provided by your local Norweco distributor.
Routine Inspection/Maintenance Cycle: 12 months or as required by state/local authorities
Ongoing Pumping Cycle And/Or Requirements: 3-5 years
Back-Wash Cycle: N/A
NSF 40 Effluent Standard: Class I
BOD5 Credit For Downsizing Basal Area: YES
Fecal Credit For Reduction Of Vertical Separation: NO
Additional Comments: NONE

- When the Hydro-Kinetic FEU filter is installed within the treatment system an additional effluent filter is not required.
- Based on testing data submitted and reviewed by the department, this approval recognizes that this plumbing product will reduce the concentration of Total Kjeldal Nitrogen (TKN) up to 76%.
- AS OF MARCH 1, 2009 ALL ELECTRICAL CONNECTIONS FOR PRIVATE SEWAGE SYSTEMS MUST COMPLY WITH S. SPS 316.300 (formerly S. COMM 16.300), WIRING METHODS.
- All electrical components must meet NEC and in the case of pump/aerators, all must maintain a visual and/or audible alarm in case of failure/need for maintenance.
- Additional information is included as attachment(s) to this letter; see attachment A and B.

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
phone: (608) 267-5265
fax: (608) 267-9723
email: glen.jones@wi.gov