



September 13, 2012

SLUGEHAMMER GROUP LTD.
DR DANIEL WICKHAM
336 S DIVISION RD
PETOSKEY MI 49770

Re: Description: CHEMICAL OR PHYSICAL RESTORATION FOR POWTS
Manufacturer: SLUGEHAMMER GROUP LTD.
Product Name: SLUGEHAMMER
Model Number(s): P-86
AEROBIC BACTERIA GENERATOR FOR REHABILITATION OF EXISTING SYSTEMS

[MAX. DWF 600 GALS./DAY DOMESTIC WASTEWATER; MAX. DAILY BOD5 OF
1.5 LBS.; INSTALLATION REQUIRES A MIN. 1,100 GAL. TANK; L.L. RANGE 36-72 IN.]
NO DOWNSIZING OR VERTICAL SEPARATION CREDITS

Product File No: 20120301

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 JANUARY 2018.**

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.
- 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 product must be utilized in accordance with the manufacturer's printed installation instructions and this product approval. If there is a conflict between the manufacturer's installation instructions and the product approval, the product approval requirements will take precedence.
- Installation of systems that conform to this POWTS component manual must consist of wastewater treatment tank(s) approved by the Division of Safety and Buildings that meet the criteria listed in the manual. Tanks that are approved with options that allow the tank to meet the requirements of this manual, without further modifications to the tank, are considered approved tank in accordance with this manual.
- The elevation of the system's infiltrative surface must be above the estimated highest groundwater elevation or bedrock by the distance prescribed in column entitled "Fecal Coliform >10000 cfu/100 ml" in Table SPS 383.44-3, Wis. Adm. Code.
- A state Sanitary Permit must be obtained when this product is installed.

- When this product is installed in a POWTS component, it is considered a modification of the existing POWTS. A state sanitary permit must be obtained when this product is to be installed in a POWTS component. Installation of this product may necessitate evaluation and further modification of the POWTS where this product will be installed. Whichever reviewing agency (governmental unit or state) reviewed and approved the original POWTS plans, shall review the proposed modifications to the existing POWTS.
- A copy of this approval letter and the manufacturer's printed installation and maintenance instructions must be supplied to the buyer of this product and the property owner.
- When this product is installed in a septic tank, the outlet of the sewage treatment tank must have an effluent filter installed that is capable of filtering particles of 1/32 inch in size or larger.
- This product must be installed in sewage treatment tanks that were approved at the time of existing installation and/or currently approved for new/replacement tank installation by the Department, Division of Safety and Buildings, for use with this product.
- This product must be maintained at least annually, in that the SludgeHammer Blend bacterial additive must be replaced on an annual basis.
- Chemical and Physical Restoration (CPR): Products approved under this product type by the department are only approved for use in existing POWTS systems. (Separate Product Review and Approval are required for design, use and installation in new POWTS.)
- Any and all risers used with the installation of this product/device must have department product approval, s. SPS 384.10.

This approval supersedes the approval issued on 1/14/2008 under product file number 20080002.

This approval letter shall be incorporated with your previously approved plans and/or specifications approved under product file number 20080002

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,

Jean M. MacCubbin, CST
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