

January 14, 2008

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: SLUDGEHAMMER
Model Number(s): P-86
Product File No: 20080002

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters Comm 82 through 84, 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 2013.**

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

- This product must be sized based on daily wastewater flow (gallons per day). The gallons per day value must be at least 150 gallons per day per bedroom.
- 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.
- The maximum daily wastewater flow that may discharge through this product is 900 gallons per day.
- 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.
- The Sledgehammer model P-86 must be installed in a tank or tanks that comply with the following:
 - a. Tank volume of the compartment of tank which will house the treatment device must be at least 500 gallon but no larger than 1500 gallons, unless multiple devices are installed in said tank, in which case the volume shall not range beyond 1500 gallons per device within the compartment containing the treatment device.
 - b. Liquid level of the compartment or tank which will house the treatment device must be at least 36 inches and no greater than 96 inches.
 - c. Distance that the treatment device must be horizontally away from the tank inlet or the outlet of the first or second compartment or tank must be at least 6 inches and no greater than 26 inches unless in the case of multiple units in a single compartment, in which case the treatment unit shall be placed directly under and tank opening that exists or is installed in a location other than that described above.
 - d. The volume of the compartment of tank that does not house the treatment device must be at least 300 gallon and no greater than 1500 gallons.
 - e. Liquid level of the compartment or tank that does not house the treatment device must be at least 36 inches and not greater than 96 inches.

- f. In tanks containing greater than two compartments, the above sizing requirements will refer to the first and second compartments of such tanks.
- g. This product must be installed in sewage treatment or holding tanks that were approved at the time of existing installation and/or currently approved for new/replacement installation by the Dept. of Commerce, Division of Safety and Buildings, for use with this product.

This approval supersedes the approval issued on 8/30/2006 under product file number 20060198.

This approval letter shall be incorporated with your previously approved plans and/or specifications approved under product file number 20060198.

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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