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SAFETY AND BUILDINGS DIVISION
Plumbing Product Review
P.O. Box 2658
Madison, Wisconsin 53701-2658
TTY: Contact Through Relay

Jim Doyle, Governor
Richard J. Leinenkugel, Secretary

June 15, 2009 RE-ISSUED 6/15/2009

DELTA ENVIRONMENTAL PRODUCTS, INC.
PENTAIR PUMP GROUP
MIKE CATANZARO
PO BOX 969
DENHAM SPRINGS LA 70727

Re: Description: SEWAGE TREATMENT SYSTEMS, AERATED (also see SEWAGE TREATMENT APPARATUS)
Manufacturer: DELTA ENVIRONMENTAL PRODUCTS, INC.
Product Name: ECOPOD® Fixed Film Wastewater Treatment Unit
Model Number(s): Delta E50CA
[612/845 GAL. PER CHAMBER-- PRIMARY AND REACTOR, RESPECTIVELY]
Product File No: 20080286

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 June 2013.

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

- Individual system plan approval must be obtained from this department's Section of Private Sewage or the appropriate agent county for each installation of this product prior to its installation.
This product must be installed in accordance with the manufacturer's printed instructions, the plan approval and s. Comm 83.15 (4), Wis. Admin. Code. If there is a conflict between the manufacturer's instructions and the plan approval, the plan approval and code requirements will take precedence.
This product may only be installed by a master plumber or journeyman plumber or plumbing apprentice working under the supervision of a master plumber.
The maximum daily wastewater flow, which may discharge through this product, is 500 gallons per day.

Table 1 Maintenance, Inspection, Pumping Requirements
Delta Environmental
(ECOPOD E50, E60, E75)

Table with 2 columns: Requirement, Policy/Standard. Rows include Initial/Startup Inspection/Maintenance, Routine Inspection/Maintenance, Ongoing Pumping Cycle And/Or Requirements, Back-Wash Cycle, NSF 40 Effluent Standard*, BOD5 Credit For Downsizing Distribution Area, Fecal Credit For Reduction Of Vertical Separation, and Additional Comments.

* NOTE: NSF/ANSI 40 Effluent Standard - Class I, Class 2, and None or NA

- **The ECOPOD CA Series may be inserted in Wisconsin State approved tanks meeting the following specifications.**

Calculated volumes:	E50FF (gal)	E60FF (gal)	E75FF (gal)
Vp – Primary chamber Volume *	500 - 1,000	600 - 1,200	750 - 1,500
Vr – reactor chamber Volume	700 – 1,250	840- 1,400	1050 – 1,680
<u>Min. Discharge Elevation</u>	<u>4 ft.</u>	<u>4 ft.</u>	<u>4 ft.</u>

*The primary tank required for the ECOPOD units can be any single compartment tank with the required above volume that are approved in the state of Wisconsin for septic tanks.

- With UV disinfection and 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 and fecal coliform of less than or equal to 10,000 cfu/100ml.

This approval supersedes the approval issued on 6/8/2008/REISSUED 11/25/08 under product file number 20080286.

This approval letter shall be incorporated with your previously approved plans and/or specifications approved under product file number 20080286.

RE-ISSUED 6/15/2009

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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Commerce; Safety & Buildings Div.
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