



commerce.wi.gov

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

July 23, 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 E60CA
[612/845 GAL. PER CHAMBER-- PRIMARY AND REACTOR, RESPECTIVELY;
MAX. DWF 600 GPD]
Product File No: 20090266

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 estimated wastewater flow, which may discharge through this product, is 600 gallons per day.
The ECOPOD CA Series may be inserted in Wisconsin State approved tanks meeting the following specifications.

Table with 4 columns: Calculated volumes, E50FF (gal), E60FF (gal), E75FF (gal). Rows include Vp - Primary chamber Volume, Vr - reactor chamber Volume, and Min. Discharge Elevation.

\*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.

Table 1(revised)  
Maintenance, Inspection, Pumping Requirements  
Delta Environmental  
(ECOPOD E50CA, E60CA, E75CA)

---

Initial/Startup Inspection/ Maintenance	Two-year service policy
Routine Inspection/Maintenance	6-month effluent quality and reactor tank sludge levels
Ongoing Pumping Cycle And/Or Requirements	Pumping interval related to 15-inch depth of sludge when necessary; or as per local requirements
Back-Wash Cycle	NSF 40 Effluent Standard* N/A
NSF 40 Effluent Standard*	NSF 40 Class 1 Effluent Standard*
BOD5 Credit For Downsizing Distribution Area	YES
<b>Fecal Credit For Reduction Of Vertical Separation</b>	<b>YES</b>
Additional Comments	Water softener discharges not recommended

---

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

This approval supersedes the approval issued on 6/15/2009 under product file number 20080287.

This approval letter shall be incorporated with your previously approved plans and/or specifications approved under product file number 20080287.

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  
Engineering Consultant--Plumbing Product Reviewer  
Commerce; Safety & Buildings Div.  
PO Box 2658  
201 W Washington Ave.  
Madison WI 53703-2658  
Phone: 608-266-0955; Fax: 608-283-7456  
E-mail: Jean.MacCubbin@wisconsin.gov