

May 6, 2011

DELTA ENVIRONMENTAL PRODUCTS, INC.
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®
Model Number(s): E-50FF01
(MAX. DWF 500 GPD, 10.8 GALS./IN. IN THE PUMP DRAWDOWN RANGE; 500-1000/936/562 GALS. VOLUME OF SEPTIC/REACTOR/PUMP TANKS)
Product File No: 20110119

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 2016.**

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

- This tank must be designed to withstand the pressures to which it will be subjected.
- The manufacturer must keep at the manufacturing plant a set of plans and specifications bearing the department's stamp of approval. The plans and specifications must be open to inspection by an authorized representative of the department.
- 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.
- 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.
- Before this product is installed a warning label meeting the requirement of Comm s. 84.25(8)(b), Wis. Admin. Code must be securely attached to the manhole cover.
- This product's tank top must be buried between 12 inches and 48 inches below finished grade.
- This product may have the Aermotor S series (Stainless Steel) or T series (Thermax) 12, 16 or 20 gallon per minute pumps. Pump curve information may be obtained at www.aermotor.com.

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

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
Fecal Credit For Reduction Of Vertical Separation	NO
Additional Comments	Water softener discharges not recommended

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

- Bedding: Place on undisturbed level bedding using sand for fill; for installation on rock a min. 6 in. of sand bedding is required.

TABLE 2
ECOPOD CALCULATED VOLUMES
& RATED CAPACITY

MODEL	PRIMARY CHAMBER* Vp (gals.)	REACTOR CHAMBER Vr (gals.)	TANK VOL. Vt (gals.)	RATED CAPACITY GPD
E50FF	500-1000	580	700	500
E60FF	600-1200	736	870	600
E75FF	750-1500	870	1050	750
E100FF	1000-1200	1160	1400	1000
E150FF	1500-3000	1740	2100	1500

*The primary tank required can be a single compartment tank with the required volume and approved for use in the State of Wisconsin.

This approval supersedes the approval issued on 6/14/2006 under product file number 20060021.

This approval letter shall be incorporated with your previously approved plans and/or specifications approved under product file number 20060021.

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 Products Review
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@WI.GOV