

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 Units (furnished in fiberglass)
Model Number(s): **Delta E50FF, E60FF, E75FF, E100FF, E150FF**
[FOR TANK VOLUMES OF PRIMARY, REACTOR AND TANK; AND RATED CAPACITY IN G.P.D. SEE TABLE 2. BELOW]
Product File No: 20090268

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 MAY 2014.**

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.
- All manhole covers terminating above grade must have effective locking devices.
- 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.
- Bedding: Place on undisturbed level bedding using sand for fill; for installation on rock a min. 6 in. of sand bedding is required.
- When this product is included in a POWTS designed to meet Table Comm 83.44-3 and 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.

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
Fecal Credit For Reduction Of Vertical Separation YES	
Additional Comments	Water softener discharges not recommended

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

TABLE 2
 ECOPOD CALCULATED VOLUMES
 & RATED CAPACITY

MODEL DELTA	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 5/1/2009 under product file number 20090122.

This approval letter shall be incorporated with your previously approved plans and/or specifications approved under product file number 20090122.

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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