

June 16, 2010

DELTA ENVIRONMENTAL PRODUCTS, INC.
MIKE CATANZARO
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DENHAM SPRINGS LA 70727

Re: Description: SEWAGE TREATMENT SYSTEMS, AERATED (also see SEWAGE TREATMENT APPARATUS)
Manufacturer: DELTA ENVIRONMENTAL PRODUCTS, INC.
Product Name: ECOPOD® -N ® Fixed Film Wastewater Treatment Unit
Model Number(s): **Delta ECOPOD E50NFF, E60NFF, E75NFF, E100NFF, E150NFF AND E50NCA, E60NCA, E75NCA, E100NCA, E150NCA**
[SEE ATTACHMENT FOR MIN. TANK/COMPARTMENT CAPACITIES]

FOR USE WITH DOMESTIC STRENGTH WASTEWATER ONLY; FOR OTHER LEVELS CONTACT MANUFACTURER.

[MODEL FF IN FIBERGLASS TANKS AND MODEL CA SERIES AS CONCRETE KITS INSTALLED IN COMMERCE-APPROVED TANKS)

Product File No: 20100069

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 2015.**

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.
- 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.
- 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, F.O.G. of less than 30 mg/L and solids or suspended solids of less than or equal to 1/8 inch in diameter.
- Bedding: Place on undisturbed level bedding using sand for fill; for installation on rock a min. 6 in. of sand bedding is required.
- **AS OF MARCH 1, 2009 ALL ELECTRICAL CONNECTIONS FOR PRIVATE SEWAGE SYSTEMS MUST COMPLY WITH S. COMM 16.300 WIRING METHODS.**
- **TOTAL NITROGEN REMOVAL: Tested using NSF/ANSI standard 245 for domestic wastewater and capacities between 400 and 1500 GPD, this device is expected to remove at least 50% average of influent TKN (total Kjeldal nitrogen).**
- **For seasonal use, refer to manufacturer's manual for homeowner care and instructions.**

TABLE 1 (revised)
MAINTENANCE, INSPECTION, PUMPING REQUIREMENTS
DELTA ENVIRONMENTAL
(ECOPOD E50FF, E60FF, E75FF, E100FF, E150FF)

Initial/Startup Inspection/ Maintenance	Two-year service policy
Routine Inspection/Maintenance	6-month effluent quality and reactor tank sludge levels; electrical./mechanical inspection
Ongoing Pumping Cycle And/Or Requirements	Pumping interval related to depth of of sludge when necessary; or as per local requirements
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	See manufacturers instructions for prohibitions of chemical substances introduction (R.11/07)

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

- **Additional information is included as attachment(s) to this letter; see attachment A and B.**

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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Attachment A and B