



**Scott Walker, Governor**  
**Dave Ross, Secretary**

August 10, 2015 (re-issued May 19, 2016)

Identification Numbers
<b>Transaction ID No. 2561890</b>
<b>Site ID No.</b>
Please refer to both identification numbers, above, in all correspondence with the agency.

CUST ID No. 1321559

MIKE CATANZARO  
DELTA ENVIRONMENTAL PRODUCTS INC  
8263 FLORIDA BLVD  
DENHAM SPRINGS LA 70726

**PLAN APPROVAL EXPIRES: 08/31/2020**

Re: Description: SEWAGE TREATMENT SYSTEMS, AERATED  
Manufacturer: DELTA ENVIRONMENTAL PRODUCTS, INC.  
Product Name: ECOPOD® -N ® Fixed Film Wastewater Treatment Unit (trans id 2561890)  
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 WW LEVELS CONTACT MANUFACTURER.

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

Product File No: 20150165

The specifications and/or plans for this plumbing product have been reviewed and determined to be in compliance with chapters SPS 382 through 384, 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 August 2020.**

This approval supersedes the approval issued on 6/16/2010 under product file number 20100069.

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. SPS 383.15 (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 SPS s. 384.25 (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.
- The performance expectation of this product is dependent on the specific contaminant load associated with the maximum daily discharge in gallons per day. The quality of influent discharged into a POWTS treatment or dispersal component consisting in part of in situ soil shall be equal to or less than all of the following:
  1. A monthly average of 30 mg/L fats, oil and grease.
  2. A monthly average of 220 mg/L BOD5.
  3. A monthly average of 150 mg/L TSS

An exception is provided in Table 383.44-2 where downsizing may occur where the effluent has a monthly average of <30 mg/L BOD5 and <30 mg/L TSS.
- The minimum depth of unsaturated soil for treatment purposes is 24, 36 or 60 inches dependent on the monthly average fecal coliform concentrations of the treated wastewater, soil texture and percent coarse fragments as specified in Table 383.44-3.
- When this product receives wastewater from dwellings and is granted downsizing and vertical separation credits as allowed in Tables 383.44-2 and 383.44-3, it shall produce an effluent quality with a maximum monthly average value of BOD5, TSS and FOG. of less than or equal to 30mg/L and fecal coliform of less than or equal to 10,000 cfu/100ml to stay compliant with SPS 383.44 effluent quality parameters.
- This product must be utilized in accordance with the manufacturer's printed installation instructions and this product approval. If there is a conflict between the manufacturer's installation instructions and the product approval, the product approval requirements will take precedence.
- 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 howowner care and instructions.

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

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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 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)

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

- The department may require metering or monitoring of the effluent from this product to evaluate the operation and compliance to SPS 383.44 effluent quality parameters.
- The owner is responsible for maintaining and testing this POWTS product verifying it complies with code effluent quality parameters.
- For commercial use in establishments with food service, full service restaurants, and similar facilities, state-approved upstream grease interceptor of an acceptable size and treatment performance must be installed to bring wastewater parameters to acceptable levels. Tank must allow for min. of 2-day residency time of average DWF.
- Bedding: Place on undisturbed level bedding using sand for fill; for installation on rock a min. 6 in. of sand bedding is required.
- The Division of Industry Services reserves the right to amend/revise this document as conditions arise for code compliance and/or to protect public health and waters of the state.

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,

Glen Jones, M.S.  
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