



June 4, 2014

BAYSAVER TECHNOLOGIES, LLC
PAOLA RODRIGUEZ
1030 DEER HOLLOW DRIVE
MOUNT AIRY MD 21771

Re: Description: STORMWATER TREATMENT DEVICE
Manufacturer: BAYSAVER TECHNOLOGIES, LLC
Product Name: BAYSAVER SEPARATION SYSTEM
Model Number(s): 1K
STORMWATER TREATMENT DEVICE-HYDRONAMIC SEPARATOR
[consisting of two standard precast manholes, a Baysaver separation unit constructed of HDPE, Fernco couplers, MarMac polyseal couplers, connection piping and HDPE reducer/adaptor]
Product File No: 20140132

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 June 2019.**

This approval supersedes the approval issued on 5/11/2009 under product file number 20090042.

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

- Prior to installation of this product, plans and specifications must be submitted to the department or to an approved agent municipality for review and approval in accordance with s. SPS 382.20 (1) of the Wis. Admin. Code. Written approval for the plans and specifications shall be obtained prior to installation of the product.
- This product is approved for the following use:
-- Stormwater and clearwater treatment for uses so listed in Table DSPS 382.70-1, for subsurface infiltration.
- When this product is installed, the installation must be in accordance with the manufacturer's printed design installation instructions Baysaver Technical & Design Manual, (March 2004), ch. SPS 382, plan approval under s. SPS 382.20, and any product approval stipulations. When there is a conflict between manufacturer's installation instructions and plan approval conditions or product approval stipulations, the plan approval conditions or product approval stipulations will take precedence.
- Inspection and maintenance of this product must be performed at intervals specified by the manufacturer as listed in Baysaver Technical & Design Manual, (March 2004), or in accordance with plan approval or s. SPS 382.21, whichever is more restrictive.
- All manholes shall be grouted and sealed as per manufacturer's recommendations and tested for water tightness prior to operation.
- The review undertaken by department staff does not include review and/or approval of this submittal as meeting DNR specifications for ch. NR 151.

- This product has a permanent embossment that is located on the top of the bypass plate identifying the manufacturer, the city of manufacture, the year manufactured, the applicable model number and a manufacturer's unit number.

An example of the coding sequence is as follows: M05**703F

Where:

M = city of manufacture, Mount Airy

05 = year of manufacture, 2005

** = model number of separation unit, i.e., .5 = 1/2K, 01 = 1K, 03 = 3K, 05 = 5K, 10 = 10K

703F = the manufacturer's unit number

- Any plumbing plans that include this device(s) and submitted to the department (or its agents) shall be accompanied by an acceptable modeling method, such as outlined in Method for Predicting the Efficiency of Proprietary Storm Water Sedimentation Devices (1006) for the specific site where the installation of this device(s) is planned. The submitted calculations, based on site-specific inputs, shall predict the removal efficiencies by concentration and percentage.
- Any plumbing plans that include this device(s) and submitted to the department (or its agents) shall be accompanied by an acceptable modeling analysis for the specific site where the installation of this device(s) is planned. The submitted calculations, based on site-specific inputs, shall predict the removal efficiencies by concentration and percentage for both TSS and O&G.

Table 1
Baysaver Separation System
Sizing Specifications

Unit	Max. Treatment Flow (cfs/gpm)	Peak Design Flow (cfs/gpm)	Manhole * Diameter (in)
1 K	2.4/1076.4	10/4485	48

Table 2
BaySaver Separation System
Manhole Storage Capacities-- 1K

BaySaver Separation System Size (inches)	Total System Capacity Gallons / (ft³)	Sediment Capacity Yards³/ (ft³)	Floatable Capacity Gallons / (ft³)
48 x 48	1503 / (201)	1.86 / (50)	277 / (37)
48 x 60	1922 / (250)	2.37 / (64)	359 / (48)
48 x 72	2438 / (326)	3.00 / (81)	456 / (61)

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.
POWTS Product Reviewer
phone: (608) 267-5265
fax: (608) 267-9723
email: glen.jones@wi.gov