

Attachment 1**Manufactured Treatment Device (MTD) Registration****1. Manufactured Treatment Device Name: SiteSaver****2. Company Name:**

StormTrap
1287 Windham Parkway
Romeoville, IL 60450

3. Contact Name (to whom questions should be addressed):

Dan Fajman
StormTrap
1287 Windham Parkway
Romeoville, IL 60450
Phone: 815-341-9890
E-mail: dfajman@stormtrap.com
Web address: <http://www.stormtrap.com/products/sitesaver/>

4. Technology

Specific size/capacity of MTD assessed (include units):

STSS-4 WQF = 4.32 cfs

Range of drainage areas served by MTD (acres):

Drainage Areas vary due to the many factors contributing to water quality flows (rainfall intensity, impervious %, etc)

Include sizing chart or describe sizing criteria:

See NJDEP Certification in Appendix A

Intended application: on-line or offline:

On-line or offline applications can be configured

Media used (if applicable): **N/A**

5. Warranty Information (describe, or provide web address):

StormTrap provides a five-year limited warranty on SiteSaver devices. See attached Warranty Document in Appendix B

6. Treatment Type

- Hydrodynamic Structure
- Filtering Structure
- Manufactured Bioretention System
Provide Infiltration Rate (in/hr):
- Other (describe):

7. Water Quality Treatment Mechanisms (check all that apply)

- Sedimentation/settling
- Infiltration
- Filtration (specify filter media)
- Adsorption/cation exchange
- Chelating/precipitation
- Chemical treatment
- Biological uptake
- Other (describe):

8. Performance Testing and Certification (check all that apply):

Performance Claim:

STSS-4 removes 50% TSS at 4.32 cfs per NJCAT verification and NJDEP Certification

Specific size/Capacity of MTD assessed:

STSS-4 @ 4.32 cfs (exact claim)

Has the MTD been "approved" by an established granting agency, e.g. New Jersey Department of Environmental Protection (NJDEP) , Washington State Department of Ecology, etc.

- No
- Yes;

(1) the granting agency = NJDEP

(2) TSS Removal Rate = 50%

(3) Testing Protocol = NJCAT (2017)

(4) Date of Certification = August 10, 2017

Link to letter (See Appendix A):

http://www.nj.gov/dep/stormwater/pdf/StormTrapSS_Certification_20170810.pdf

Was an established testing protocol followed?

- No
 Yes, see Appendix C for all testing information

9. MTD History:

How long has this specific model/design been on the market?

The SiteSaver has been on the market for approximately 2 years.

List no more than three locations where the assessed model size(s) has/have been installed in Virginia. If applicable, provide permitting authority. If known, provide latitude & longitude:

There are currently no VA installations. (not yet approved)

List no more than three locations where the assessed model size(s) has/have been installed outside of Virginia. If applicable, provide permitting authority. If known, provide latitude & longitude:

1. **2725 South Technology Drive, Lombard, IL – Permitting Authority: DuPage County**
2. **Minor & Windsor, Arlington Heights, IL – Permitting Authority: Metropolitan Water Reclamation District of Greater Chicago (MWRD)**
3. **Centrella St, Franklin Park, IL – Permitting Authority: MWRD**

10. Maintenance:

What is the generic inspection and maintenance plan/procedure? (attach necessary documents):

See attached O&M manual in Appendix D

Is there a maintenance track record/history that can be documented?

- No, no track record.**
 Yes, track record exists; (provide maintenance track record, location, and sizing of three to five MTDs installed in Virginia [preferred] or elsewhere):

Recognizing that maintenance is an integral function of the MTD, provide the following: amount of runoff treated, the water quality of the runoff, and what is the expected maintenance frequency for this MTD in Virginia, per year?

A detailed inspection and maintenance protocol is discussed in Appendix D

Total life expectancy of MTD when properly operated in Virginia and, if relevant, life expectancy of media:

N/A – no media is used

For media or amendments functioning based on cation exchange or adsorption, how long will the media last before breakthrough (indicator capacity is nearly reached) occurs?

N/A – no media is used

For media or amendments functioning based on cation exchange or adsorption, how has the longevity of the media or amendments been quantified prior to breakthrough (attach necessary performance data or documents)?

N/A – no media is used

Is the maintenance procedure and/or are materials/components proprietary?

Yes, proprietary

No, not proprietary

Maintenance complexity (check all that apply):

Confined space training required for maintenance

Liquid pumping and transportation

Specify method: **Vacuum Truck – disposal per local, state and federal guidelines**

Solids removal and disposal

Specify method: **Vacuum Truck – disposal per local, state and federal guidelines**

Other noteworthy maintenance parameter (describe): **When nets are being used in the system, these will typically be lifted to the surface using a crane, hoist or boom truck. The net should be disposed of per local, state and federal guidelines. See O&M manual in Appendix D for more information.**

11. Comments

More detailed information is shown in:

Appendix E: SiteSaver-4 Detail Drawings

Appendix F: SiteSaver-4 Material Specifications

Appendix G: Sitesaver-4 Installation Manual

12. Certification

Signed by the company president or responsible officer of the organization:

"I certify that all information submitted is to the best of my knowledge and belief true, accurate, and complete."

Signature: Dan Fasman

Name: DAN FASMAN

Title: WATER QUALITY GENERAL MANAGER

Date: 5/11/18

NOTE: All information submitted to the department will be made publicly accessible to all interested parties. This MTD registration form will be posted on the Virginia Stormwater BMP Clearinghouse website.