

## State Water Resources Control Board

### **Certified Trash Full Capture Systems Available to the Public (Updated November 2024)**

#### **Trash Provisions**

Any trash treatment system installed after December 2, 2015 must be certified prior to installation by the State Water Resources Control Board (State Water Board) Executive Director, or designee, that it meets the full capture system definition in order to qualify as a trash full capture system (System) and satisfy the requirements of the Trash Provisions,<sup>1</sup>. The Trash Provisions define a full capture system as a treatment control, or series of treatment controls, including but not limited to, a multi-benefit project or a low impact development control that traps all particles that are 5-millimeter or greater, and has a design treatment capacity that is either:

1. Of not less than the peak flow rate resulting from a one-year, one-hour storm event (design storm) in the subdrainage area, or
2. Appropriately sized and designed to carry at least the same flows as the corresponding storm drain.

Consistent with these requirements, the Systems shall not bypass trash below the design storm under maximum operational loading conditions and shall not have a diversion structure present upstream such that a portion of the peak flow is not treated to trap all particles 5-millimeter or greater.

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<sup>1</sup> Amendment to the Water Quality Control Plan for Ocean Waters of California to Control Trash and Part 1 Trash Provisions of the Water Quality Control Plan for Inland Surface Waters, Enclosed Bays, and Estuaries of California adopted by the State Water Board located on the Statewide Water Quality Control Plans for Trash webpage at:  
[https://www.waterboards.ca.gov/water\\_issues/programs/trash\\_control/documentation.html](https://www.waterboards.ca.gov/water_issues/programs/trash_control/documentation.html)

## Certified Trash Full Capture Systems Available to the Public

### Vector Control Accessibility

According to the California Health and Safety Code,<sup>2</sup> California landowners are legally responsible to abate (eliminate the source of) a public nuisance arising from their property, including mosquitoes. Mosquito vector control districts have substantial authority to access public and private property, inspect known or suspected sources of mosquitoes, abate mosquito sources, and charge the landowner for work performed and/or charge fees if a landowner is unwilling or unable to address a mosquito source arising from their property.

If not designed properly, a System may impede the mosquito vector control district's ability to (1) visually inspect the System and/or storm vault for mosquito breeding, and (2) apply the appropriate chemical treatment. Moreover, some Systems may create a habitat for mosquitoes.

All the Systems in the tables below were reviewed and approved by the Mosquito Vector Control Association of California for vector control accessibility. However, prior to installation of any Systems, contact the local mosquito vector control district to ensure the installation conforms to the local district's visual inspection, treatment, and vector breeding minimizing guidelines. The Mosquito Vector Control Association of California may also be contacted via email at [Trashtreatment@mvcac.org](mailto:Trashtreatment@mvcac.org).

### Certified Trash Full Capture System Tables

The Systems included in the tables below are: 1) new Systems certified by the State Water Board Executive Director after adoption of the Trash Provisions, and 2) legacy Systems that were certified pursuant to the Trash Provisions, including those full capture systems that were listed in Appendix I of the Bay Area-wide Trash Capture Demonstration Project, Final Project Report (May 8, 2014). All Systems remain certified unless and until they are decertified by the State Water Board's Executive Director or designee. Legacy Systems' descriptions are included in "fact sheets" that have been updated to address the application requirements for new Systems.

Categorically Certified Multi-Benefit Trash Treatment Systems, a subset of full capture systems, are listed separately on the State Water Board's [Trash Implementation Program](#) webpage

([https://www.waterboards.ca.gov/water\\_issues/programs/stormwater/trash\\_implementation.html](https://www.waterboards.ca.gov/water_issues/programs/stormwater/trash_implementation.html)). Additionally, the tables do not include the Department of Transportation's Systems as its Systems are not available to the public.

Systems are either identified by their application number or, for legacy Systems, by a fact sheet alpha numeric designation.

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<sup>2</sup> Health & Safety Code sections 2001-2002, 2060-2067, 100170, and 131075.

## **Certified Trash Full Capture Systems Available to the Public**

**Please note:** Only Systems originally manufactured or distributed by the listed applicants are certified full capture systems.

The alphabetical tables of System applicants are divided into two categories:

- *Catch Basin Inserts and Other Insert Systems.* These Systems typically are inserted into existing stormwater infrastructure; and
- *High Flow Capacity Trash Full Capture Systems.* These Systems are generally self-contained units that typically are not inserted into existing stormwater infrastructure and that are designed to treat trash from large drainage areas.

### **How to Access Certified System Applications and Legacy System Fact Sheets**

Other than those applications pertaining to the Department of Transportation's certified Systems, certified System applications and legacy System fact sheets are available at the California Stormwater Quality Association's trash webpage:

<https://www.casqa.org/resources/trash/certified-full-capture-system-trash-treatment-control-devices>. To obtain the Department of Transportation's certified applications, please contact Leo Cosentini (contact information below).

All questions concerning the Trash Provisions and the tables below should be directed to Leo Cosentini by email at [Leo.Cosentini@waterboards.ca.gov](mailto:Leo.Cosentini@waterboards.ca.gov) or by phone at (916) 341-5524.

**Certified Trash Full Capture Systems Available to the Public**

**TABLE 1. Catch Basin Inserts and Other Insert Systems**

<b>Applicant/Owner</b>	<b>Full Capture System Name</b>	<b>Date of Application Certification and Update (if applicable), or Fact Sheet Update</b>	<b>Date of Vector Control Accessibility Approval</b>
<b>AbTech Industries, Inc.</b>	<b>Ultra Urban Filter Curb Opening and Drop-In</b>	<b>Application 25 06/30/20</b>	<b>04/8/20</b>
<b>Advanced Drainage Systems, Inc.</b>	<b>FLEXSTORM Full Trash Capture Inserts</b>	<b>Application 3 03/15/18 Updated 04/21/21</b>	<b>03/30/21</b>
<b>Advanced Drainage Systems, Inc.</b>	<b>FLEXSTORM Connector Pipe Screen</b>	<b>Fact Sheet ADS-1 Updated 06/08/21 Updated 05/20/24 Updated 11/01/24</b>	<b>Updated 10/10/24</b>
<b>Bio Clean® Environmental Services, Inc.</b>	<b>Curb Inlet and Grate Inlet Filters</b>	<b>Application 4 03/15/18 Updated 10/21/21 Updated 4/29/2024</b>	<b>Updated 04/25/24</b>
<b>Hydra TMDL Systems</b> (Previously certified as Bio Clean® Environmental Services, Inc.)	<b>Connector Pipe Screen</b>	<b>Fact Sheet BC-3 Updated 04/30/20 Updated 05/01/24</b>	<b>Updated 05/01/24</b>
<b>BrightWater™</b>	<b>Connector Pipe Screen</b>	<b>Application 29 03/15/18 Updated 12/29/20</b>	<b>11/19/20</b>

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<b>Applicant/Owner</b>	<b>Full Capture System Name</b>	<b>Date of Application Certification and Update (if applicable), or Fact Sheet Update</b>	<b>Date of Vector Control Accessibility Approval</b>
<b>BrightWater™</b>	<b>Curb Inlet Filter</b>	<b>Application 26 06/30/20</b>	<b>04/17/20</b>
<b>Ecology Control Industries</b>	<b>Debris Dam - Catch Basin Insert for Curb Inlet Design</b>	<b>Fact Sheet ECI-1 12/02/15 Updated 06/17/20</b>	<b>04/29/20</b>
<b>Enviropod® International: A Stormwater 360 Group Company</b>	<b>Enviropod® LittaTrap™ Full Capture</b>	<b>Application 27 10/14/20</b>	<b>07/20/20</b>
<b>Fabco Industries, Inc.</b>	<b>Fabco Connector Pipe Screen</b>	<b>Application 36 Updated 2/07/2024 Updated 04/25/24 Updated 08/19/24</b>	<b>Updated 08/07/24</b>
<b>Fabco Industries, Inc.</b>	<b>Fabco Expanding StormRing CPS</b>	<b>Application 42 09/25/2023</b>	<b>08/28/2023</b>
<b>Fabco Industries, Inc.</b>	<b>Fabco Ready-Fit StormSack</b>	<b>Application 41 06/16/2023</b>	<b>6/12/2023</b>
<b>Fabco Industries, Inc.</b>	<b>Fabco ScreenBox</b>	<b>Application 37 10/13/22</b>	<b>10/05/22</b>

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<b>Applicant/Owner</b>	<b>Full Capture System Name</b>	<b>Date of Application Certification and Update (if applicable), or Fact Sheet Update</b>	<b>Date of Vector Control Accessibility Approval</b>
Fabco Industries, Inc.	Fabco StormBasin	Application 38 10/13/22	10/05/22
Fabco Industries, Inc.	Fabco StormSack	Application 39 10/13/22	10/05/22
Fabco Industries, Inc.	Fabco StormTrough	Application 43 updated 08/19/24	11/1/23 Updated 09/27/24
Filtrexx® Sustainable Technologies	StormExx® Clean	Application 16 08/10/18 Updated 11/25/19	12/06/19
Frog Creek Partners, LLC	Gutter Bin® Channel Filtration System and Mundus Bag® Water Filter	Application 22 06/26/19	04/19/19
Frog Creek Partners, LLC	Gutter Bin® Eco Curb Inlet Filter and Mundus Bag® Water Filter	Application 23 02/18/19	10/14/19
Frog Creek Partners, LLC	Gutter Bin® Eco Drop Inlet Filter and Mundus Bag® Water Filter	Application 24 02/18/20	12/06/19
G2 Construction, Inc.	G2 CPS-Mod™ and Removable CPS-Mod™ Screen	Application 18 06/26/19	03/15/19

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<b>Applicant/Owner</b>	<b>Full Capture System Name</b>	<b>Date of Application Certification and Update (if applicable), or Fact Sheet Update</b>	<b>Date of Vector Control Accessibility Approval</b>
<b>G2 Construction, Inc.</b>	<b>G2 Grated Inlet Trash Screen</b>	<b>Application 19 06/26/19</b>	<b>04/10/19</b>
<b>Hydroworks, LLC</b>	<b>HydroDome TR</b>	<b>Application 44 04/30/24</b>	<b>04/18/24</b>
<b>Inventive Resources, Inc.</b>	<b>Water Decontaminator</b>	<b>Application 2 03/15/18 Updated 02/05/21</b>	<b>04/20/20</b>
<b>Kai Pono Solutions</b>	<b>Standard Basic System</b>	<b>Application 45 06/14/24</b>	<b>06/10/24</b>
<b>Oldcastle Infrastructure</b>	<b>FloGard® + Plus® Catchbasin Trash Screen Insert, Combination Inlet Style Drop in Basket</b>	<b>Fact Sheet OI-1 12/02/15 Updated 06/09/21</b>	<b>06/09/21</b>
<b>Oldcastle Infrastructure</b>	<b>FloGard® Catchbasin Trash Screen Insert, Flat Grated Inlet Style Drop in Basket</b>	<b>Fact Sheet OI-2 12/02/15 Updated 06/09/21</b>	<b>06/09/21</b>
<b>Oldcastle Infrastructure</b>	<b>FloGard® Catchbasin Outlet Trash Screen Insert Connector Pipe Screen</b>	<b>Fact Sheet OI-3 Updated 01/29/19</b>	<b>12/06/19</b>

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<b>Applicant/Owner</b>	<b>Full Capture System Name</b>	<b>Date of Application Certification and Update (if applicable), or Fact Sheet Update</b>	<b>Date of Vector Control Accessibility Approval</b>
<b>Revel Environmental Manufacturing, Inc.</b>	<b>Triton™ Bioflex Inlet Trash Guard Catchbasin Polyester Fiber Mesh Trash Filter Insert</b>	<b>Fact Sheet REM-1 12/02/15 Updated 09/10/21</b>	<b>09/07/21</b>
<b>Revel Environmental Manufacturing, Inc.</b>	<b>Triton™ Crescent Pipe Screen</b>	<b>Application 12 07/10/18 Updated 08/12/24</b>	<b>08/14/24</b>
<b>Revel Environmental Manufacturing, Inc.</b>	<b>Triton™ Perf-Full Trash Capture Insert</b>	<b>Application 13 07/10/18 Updated 12/21/21</b>	<b>12/20/21</b>
<b>Safe Drain Stormwater Holdings, Inc.</b>	<b>Storm Vector Guard</b>	<b>Application 30 02/11/21</b>	<b>12/17/20</b>
<b>Stormtek</b>	<b>Stormtek ST3 &amp; ST3G Catchbasin Connector Pipe</b>	<b>Fact Sheet AS-1, A1S-2 12/02/15 Updated 08/12/21</b>	<b>08/04/21</b>
<b>United Stormwater, Inc.</b>	<b>Connector Pipe Trash Screen</b>	<b>Fact Sheet USW-1 12/02/15 Updated 01/29/22</b>	<b>01/26/22</b>



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**TABLE 2. High Flow Capacity Trash Full Capture Systems**

<b>Applicant/Owner</b>	<b>Full Capture System Name</b>	<b>Date of Application Certification and Update (if applicable), or Fact Sheet Update</b>	<b>Date of Vector Control Accessibility Approval</b>
<b>Advanced Drainage Systems, Inc.</b>	<b>Barracuda Hydrodynamic Separator</b>	<b>Application 21 06/26/19 Updated 05/21/21</b>	<b>03/15/19 Updated 05/21/21</b>
<b>AquaShield, Inc.</b>	<b>Aqua-Swirl® Stormwater Treatment System</b>	<b>Application 1 08/04/17 Updated 01/06/23</b>	<b>12/03/20 Updated 01/06/23</b>
<b>Bio Clean® Environmental Services, Inc.</b>	<b>Debris Separating Baffle Box</b>	<b>Application 6 03/15/18</b>	<b>07/28/20</b>
<b>Bio Clean® Environmental Services, Inc.</b>	<b>Bio Clean® Deflective Screening Device</b>	<b>Application 20 06/26/19</b>	<b>07/28/20</b>
<b>Bio Clean® Environmental Services, Inc.</b>	<b>Modular Wetland System®</b>	<b>Application 15 07/10/18</b>	<b>03/15/19</b>
<b>Coanda Inc.</b>	<b>Coanda Trash Screen and Debris Fence</b>	<b>Fact Sheet COA-1 12/02/15 Updated 09/10/21</b>	<b>09/07/21</b>

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<b>Applicant/Owner</b>	<b>Full Capture System Name</b>	<b>Date of Application Certification and Update (if applicable), or Fact Sheet Update</b>	<b>Date of Vector Control Accessibility Approval</b>
<b>Contech Engineered Solutions</b>	<b>Continuous Deflective Separator Hydrodynamic Separator</b>	<b>Fact Sheet CCP-1HF 12/02/15 Updated 05/27/21</b>	<b>04/29/21</b>
<b>Jensen® Stormwater Systems</b>	<b>Jensen® Deflective Separators</b>	<b>Application 5 03/15/18</b>	<b>12/06/19</b>
<b>Hydro International®</b>	<b>Downstream Defender® (In-Line and Off-Line Configurations)</b>	<b>Application 14 07/10/18</b>	<b>03/16/20</b>
<b>Hydro International®</b>	<b>First Defense® High-Capacity Full Trash Capture Device</b>	<b>Application 28 10/30/20</b>	<b>08/20/20</b>
<b>Hydro International®</b>	<b>Hydro Up-Flo Filter®</b>	<b>Application 11 07/18/18</b>	<b>03/16/20</b>
<b>Hydro International®</b>	<b>Hydro DryScreen®</b>	<b>Application 10 07/10/18 Updated 05/05/21</b>	<b>04/29/21</b>

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<b>Applicant/Owner</b>	<b>Full Capture System Name</b>	<b>Date of Application Certification and Update (if applicable), or Fact Sheet Update</b>	<b>Date of Vector Control Accessibility Approval</b>
<b>Hydroworks, LLC</b>	<b>HydroDome® TS</b>	<b>Application 46 9/26/24</b>	<b>08/14/24</b>
<b>Oldcastle Infrastructure</b>	<b>FloGard® NetTech</b>	<b>Fact Sheet OI-11HF 12/02/15 Updated 02/08/20</b>	<b>12/03/20</b>
<b>Oldcastle Infrastructure</b>	<b>Nutrient Separating Baffle Box®</b>	<b>Application 17 10/12/18 Updated 07/21/20</b>	<b>07/20/20</b>
<b>Roscoe Moss Company</b>	<b>Storm Flo® Trash Screen – Linear Radial Gross Solids Removal Device</b>	<b>Fact Sheet RMC-1HF 12/02/15 Updated 03/30/21</b>	<b>03/11/21</b>
<b>StormTrap®, LLC</b>	<b>SiteSaver®</b>	<b>Application 9 03/15/18 Updated 02/23/21</b>	<b>03/18/21</b>
<b>StormTrap®, LLC</b>	<b>TrashTrap® Net and Fixed Basket In-Line Stormwater Treatment System</b>	<b>Application 34 06/21/22</b>	<b>05/03/22</b>

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<b>Applicant/Owner</b>	<b>Full Capture System Name</b>	<b>Date of Application Certification and Update (if applicable), or Fact Sheet Update</b>	<b>Date of Vector Control Accessibility Approval</b>
<b>StormTrap®, LLC</b>	<b>TrashTrap® Net and Fixed Basket End-of-Pipe Stormwater Treatment System</b>	<b>Application 35 07/06/22</b>	<b>06/01/22</b>