
State Water Resources Control Board

Certified Trash Full Capture Systems Available to the Public (Updated November 30, 2023)

Trash Provisions

To qualify as a trash full capture system (System) as described below and to satisfy the requirements of the Trash Provisions,¹ a 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. 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.

Vector Control Accessibility

According to the California Health and Safety Code,² 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

¹ 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.

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

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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 have been reviewed and approved by the Mosquito Vector Control Association of California for vector control accessibility. However, prior to installation of any Systems, the local mosquito vector control district should be contacted 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.

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 include 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.

The tables do not include the Department of Transportation's Systems as its Systems are not available to the public. Multi-benefit trash treatment systems are listed separately on the State Water Board's [Trash Implementation Program](https://www.waterboards.ca.gov/water_issues/programs/stormwater/trash_implementation.html) webpage: (https://www.waterboards.ca.gov/water_issues/programs/stormwater/trash_implementation.html).

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

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

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- *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, all certified System applications and legacy System fact sheets may be obtained from the California Stormwater Quality Association's trash webpage at: <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 or by phone at (916) 341-5524.

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TABLE 1. Catch Basin Inserts and Other Insert Systems

Applicant/Owner	Full Capture System Name	Date of Application Certification and Update (if applicable), or Fact Sheet Update	Date of Vector Control Accessibility Approval
AbTech Industries, Inc.	Ultra Urban Filter Curb Opening and Drop-In	Application 25 06/30/20	04/8/20
Advanced Drainage Systems, Inc.	FLEXSTORM PURE Full Trash Capture Inserts	Application 3 03/15/18 Updated 04/21/21	03/30/21
Advanced Drainage Systems, Inc.	FLEXSTORM Connector Pipe Screen	Fact Sheet ADS-1 Updated 06/08/21	03/30/21
Bio Clean® Environmental Services, Inc.	Curb Inlet and Grate Inlet Filters	Application 4 03/15/18 Updated 10/21/21	10/20/21
Bio Clean® Environmental Services, Inc.	Modular Connector Pipe Trash Screen	Fact Sheet BC-3 Updated 04/30/20	03/10/20
BrightWater™	Connector Pipe Screen	Application 29 03/15/18 Updated 12/29/20	11/19/20
BrightWater™	Curb Inlet Filter	Application 26 06/30/20	04/17/20

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Applicant/Owner	Full Capture System Name	Date of Application Certification and Update (if applicable), or Fact Sheet Update	Date of Vector Control Accessibility Approval
Ecology Control Industries	Debris Dam - Catch Basin Insert for Curb Inlet Design	Fact Sheet ECI-1 12/02/15 Updated 06/17/20	04/29/20
Enviropod® International: A Stormwater 360 Group Company	Enviropod® LittaTrap™ Full Capture	Application 27 10/14/20	07/20/20
Fabco Industries, Inc.	Fabco Connector Pipe Screen	Application 36 07/06/22	06/16/22
Fabco Industries, Inc.	Fabco Expanding StormRing CPS	Application 42 09/25/2023	08/28/2023
Fabco Industries, Inc.	Fabco Ready-Fit StormSack	Application 41 06/16/2023	6/12/2023
Fabco Industries, Inc.	Fabco ScreenBox	Application 37 10/13/22	10/05/22
Fabco Industries, Inc.	Fabco StormBasin	Application 38 10/13/22	10/05/22

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Applicant/Owner	Full Capture System Name	Date of Application Certification and Update (if applicable), or Fact Sheet Update	Date of Vector Control Accessibility Approval
Fabco Industries, Inc.	Fabco StormSack	Application 39 10/13/22	10/05/22
Fabco Industries, Inc.	Fabco StormTrough	Application 43 11/30/2023	11/01/2023
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
G2 Construction, Inc.	G2 Grated Inlet Trash Screen	Application 19 06/26/19	04/10/19

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Applicant/Owner	Full Capture System Name	Date of Application Certification and Update (if applicable), or Fact Sheet Update	Date of Vector Control Accessibility Approval
Inventive Resources, Inc.	Water Decontaminator	Application 2 03/15/18 Updated 02/05/21	04/20/20
Oldcastle Infrastructure	FloGard® + Plus® Catchbasin Trash Screen Insert, Combination Inlet Style Drop in Basket	Fact Sheet OI-1 12/02/15 Updated 06/09/21	06/09/21
Oldcastle Infrastructure	FloGard® Catchbasin Trash Screen Insert, Flat Grated Inlet Style Drop in Basket	Fact Sheet OI-2 12/02/15 Updated 06/09/21	06/09/21
Oldcastle Infrastructure	FloGard® Catchbasin Outlet Trash Screen Insert Connector Pipe Screen	Fact Sheet OI-3 Updated 01/29/19	12/06/19
Revel Environmental Manufacturing, Inc.	Triton™ Bioflex Inlet Trash Guard Catchbasin Polyester Fiber Mesh Trash Filter Insert	Fact Sheet REM-1 12/02/15 Updated 09/10/21	09/07/21
Revel Environmental Manufacturing, Inc.	Triton™ Crescent Pipe Screen	Application 12 07/10/18	03/15/19
Revel Environmental Manufacturing, Inc.	Triton™ Perf-Full Trash Capture Insert	Application 13 07/10/18 Updated 12/21/21	12/20/21

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Applicant/Owner	Full Capture System Name	Date of Application Certification and Update (if applicable), or Fact Sheet Update	Date of Vector Control Accessibility Approval
Safe Drain Stormwater Holdings, Inc.	Storm Vector Guard	Application 30 02/11/21	12/17/20
Stormtek	Stormtek ST3 & ST3G Catchbasin Connector Pipe	Fact Sheet AS-1, A1S-2 12/02/15 Updated 08/12/21	08/04/21
United Stormwater, Inc.	Connector Pipe Trash Screen	Fact Sheet USW-1 12/02/15 Updated 01/29/22	01/26/22

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TABLE 2. High Flow Capacity Trash Full Capture Systems

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

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

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Applicant/Owner	Full Capture System Name	Date of Application Certification and Update (if applicable), or Fact Sheet Update	Date of Vector Control Accessibility Approval
Oldcastle Infrastructure	FloGard® NetTech	Fact Sheet OI-11HF 12/02/15 Updated 02/08/20	12/03/20
Oldcastle Infrastructure	Nutrient Separating Baffle Box®	Application 17 10/12/18 Updated 07/21/20	07/20/20
Roscoe Moss Company	Storm Flo® Trash Screen – Linear Radial Gross Solids Removal Device	Fact Sheet RMC-1HF 12/02/15 Updated 03/30/21	03/11/21
StormTrap®, LLC	SiteSaver®	Application 9 03/15/18 Updated 02/23/21	03/18/21
StormTrap®, LLC	TrashTrap® Net and Fixed Basket In-Line Stormwater Treatment System	Application 34 06/21/22	05/03/22
StormTrap®, LLC	TrashTrap® Net and Fixed Basket End-of-Pipe Stormwater Treatment System	Application 35 07/06/22	06/01/22