

State Water Resources Control Board

Certified Trash Full Capture Systems Available to the Public (Updated June 2025)

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.¹ 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.

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 located on the Statewide Water Quality Control Plans for Trash webpage at:
https://www.waterboards.ca.gov/water_issues/programs/trash_control/documentation.html

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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 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.

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). 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.

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

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

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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 send an email to DWQ-Trash-Program-MS4@Waterboards.ca.gov.

Questions concerning the Trash Provisions and the tables below should be emailed to our Help Desk at DWQ-Trash-Program-MS4@Waterboards.ca.gov.

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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 06/30/2020	04/08/2020
Advanced Drainage Systems, Inc.	FLEXSTORM Full Trash Capture Inserts	Application 3 03/15/2018 Updated 04/21/2021 Updated 12/20/2024 Decertified 06/05/2025	03/30/21 Updated 12/03/2024 Decertified 06/05/2025
Advanced Drainage Systems, Inc.	FLEXSTORM Connector Pipe Screen	Fact Sheet ADS-1 Updated 06/08/2021 Updated 05/20/2024 Updated 11/01/2024	Updated 10/10/2024
Bio Clean® Environmental Services, Inc.	Curb Inlet and Grate Inlet Filters	Application 4 03/15/2018 Updated 10/21/2021 Updated 04/29/2024	Updated 04/25/2024
Hydra TMDL Systems (Previously certified as Bio Clean® Environmental Services, Inc.)	Connector Pipe Screen	Fact Sheet BC-3 Updated 04/30/2020 Updated 05/01/2024	Updated 05/01/2024
BrightWater™	Connector Pipe Screen	Application 29 03/15/2018 Updated 12/29/2020	11/19/2020

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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
BrightWater™	Curb Inlet Filter	Application 26 06/30/2020	04/17/2020
Ecology Control Industries	Debris Dam - Catch Basin Insert for Curb Inlet Design	Fact Sheet ECI-1 12/02/2015 Updated 06/17/2020	04/29/2020
Enviropod® International: A Stormwater 360 Group Company	Enviropod® LittaTrap™ Full Capture	Application 27 10/14/2020 Updated 12/20/2024	07/20/2020 Updated 12/03/2024
Fabco Industries, Inc.	Fabco Connector Pipe Screen	Application 36 Updated 2/07/2024 Updated 04/25/2024 Updated 08/19/2024	Updated 08/07/2024
Fabco Industries, Inc.	Fabco Expanding StormRing CPS	Application 42 09/25/2023 Updated 04/01/2025	08/28/2023 Updated 03/25/2025
Fabco Industries, Inc.	Fabco Ready-Fit StormSack	Application 41 06/16/2023	6/12/2023

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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 ScreenBox	Application 37 10/13/2022 Updated 12/20/2024	10/05/22 Updated 12/03/2024
Fabco Industries, Inc.	Fabco StormBasin	Application 38 10/13/2022	10/05/2022
Fabco Industries, Inc.	Fabco StormSack	Application 39 10/13/2022 Updated 12/20/2024	10/05/2022 Updated 12/03/2024
Fabco Industries, Inc.	Fabco StormTrough	Application 43 Updated 08/19/2024 Updated 04/01/2025	11/1/2023 Updated 09/27/2024 Updated 03/25/2025
Filtrexx® Sustainable Technologies	StormExx® Clean	Application 16 08/10/2018 Updated 11/25/2019	12/06/2019
Frog Creek Partners, LLC	Gutter Bin® Channel Filtration System and Mundus Bag® Water Filter	Application 22 06/26/2019	04/19/2019
Frog Creek Partners, LLC	Gutter Bin® Eco Curb Inlet Filter and Mundus Bag® Water Filter	Application 23 02/18/2019	10/14/2019

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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
Frog Creek Partners, LLC	Gutter Bin® Eco Drop Inlet Filter and Mundus Bag® Water Filter	Application 24 02/18/2020	12/06/2019
G2 Construction, Inc.	G2 CPS-Mod™ and Removable CPS-Mod™ Screen	Application 18 06/26/2019	03/15/2019
G2 Construction, Inc.	G2 Grated Inlet Trash Screen	Application 19 06/26/2019	04/10/2019
Hydroworks, LLC	HydroDome TR	Application 44 04/30/2024	04/18/2024
Inventive Resources, Inc.	Water Decontaminator	Application 2 03/15/2018 Updated 02/05/2021	04/20/2020
Kai Pono Solutions	Standard Basic System	Application 45 06/14/2024	06/10/2024
Oldcastle Infrastructure	FloGard® + Plus® Catchbasin Trash Screen Insert, Combination Inlet Style Drop in Basket	Fact Sheet OI-1 12/02/2015 Updated 06/09/2021	06/09/2021

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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® Catchbasin Trash Screen Insert, Flat Grated Inlet Style Drop in Basket	Fact Sheet OI-2 12/02/2015 Updated 06/09/2021	06/09/2021
Oldcastle Infrastructure	FloGard® Catchbasin Outlet Trash Screen Insert Connector Pipe Screen	Fact Sheet OI-3 Updated 01/29/2019 Updated 04/01/2025	12/06/2019 Updated 03/18/2025
Revel Environmental Manufacturing, Inc.	Triton™ Bioflex Inlet Trash Guard Catchbasin Polyester Fiber Mesh Trash Filter Insert	Fact Sheet REM-1 12/02/2015 Updated 09/10/2021	09/07/2021
Revel Environmental Manufacturing, Inc.	Triton™ Crescent Pipe Screen	Application 12 07/10/2018 Updated 08/12/2024	08/14/2024
Revel Environmental Manufacturing, Inc.	Triton™ Perf-Full Trash Capture Insert	Application 13 07/10/2018 Updated 12/21/2021	12/20/2021
Safe Drain Stormwater Holdings, Inc.	Storm Vector Guard	Application 30 02/11/2021	12/17/2020
SOP Technologies	Stormwater Catch Basin Treatment System	Application 51 06/09/2025	05/30/2025

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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
Stormtek	Stormtek ST3 & ST3G Catchbasin Connector Pipe	Fact Sheet AS-1, A1S-2 12/02/2015 Updated 08/12/2021	08/04/2021
United Stormwater, Inc.	Connector Pipe Trash Screen	Fact Sheet USW-1 12/02/2015 Updated 01/29/2022	01/26/2022

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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 06/26/2019 Updated 05/21/2021	03/15/2019 Updated 05/21/2021
AquaShield, Inc.	Aqua-Swirl® Stormwater Treatment System	Application 1 08/04/2017 Updated 01/06/2023	12/03/2020 Updated 01/06/2023
Bio Clean® Environmental Services, Inc.	Debris Separating Baffle Box	Application 6 03/15/2018	07/28/2020
Bio Clean® Environmental Services, Inc.	Bio Clean® Deflective Screening Device	Application 20 06/26/2019	07/28/2020
Bio Clean® Environmental Services, Inc.	Modular Wetland System®	Application 15 07/10/2018	03/15/2019
Coanda Inc.	Coanda Trash Screen and Debris Fence	Fact Sheet COA-1 12/02/2015 Updated 09/10/2021	09/07/2021

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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 12/02/2015 Updated 05/27/2021	04/29/2021
Jensen® Stormwater Systems	Jensen® Deflective Separators	Application 5 03/15/2018	12/06/2019
Hydro International®	Downstream Defender® (In-Line and Off-Line Configurations)	Application 14 07/10/2018	03/16/2020
Hydro International®	First Defense® High-Capacity Full Trash Capture Device	Application 28 10/30/2020	08/20/2020
Hydro International®	Hydro Up-Flo Filter®	Application 11 07/18/2018	03/16/2020
Hydro International®	Hydro DryScreen®	Application 10 07/10/2018 Updated 05/05/2021	04/29/2021

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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
Hydroworks, LLC	HydroDome® TS	Application 46 9/26/2024	08/14/2024
Oldcastle Infrastructure	FloGard® NetTech	Fact Sheet OI-11HF 12/02/2015 Updated 02/08/2020	12/03/2020
Oldcastle Infrastructure	Nutrient Separating Baffle Box®	Application 17 10/12/2018 Updated 07/21/2020	07/20/2020
Roscoe Moss Company	Storm Flo® Trash Screen – Linear Radial Gross Solids Removal Device	Fact Sheet RMC-1HF 12/02/2015 Updated 03/30/2021	03/11/2021
StormTrap®, LLC	SiteSaver®	Application 9 03/15/2018 Updated 02/23/2021	03/18/2021
StormTrap®, LLC	StormSettler Hydrodynamic Separator	Application 49 04/14/2025	04/03/2025

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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
StormTrap®, LLC	TrashTrap® Net and Fixed Basket In-Line Stormwater Treatment System	Application 34 06/21/2022	05/03/2022
StormTrap®, LLC	TrashTrap® Net and Fixed Basket End-of-Pipe Stormwater Treatment System	Application 35 07/06/2022	06/01/2022