
State Water Resources Control Board

CERTIFIED FULL CAPTURE SYSTEM LIST OF TRASH TREATMENT CONTROL DEVICES (Updated September 2021)

Trash Provisions

In accordance with the Trash Provisions,¹ all trash treatment control devices (Devices) installed after December 2, 2015 shall meet the Full Capture System definition² and be certified by the State Water Resources Control Board (State Water Board) Executive Director, or designee, prior to installation. The Devices included on this list are either: 1) new Device applications certified by the State Water Board after adoption of the Trash Provisions, or 2) grandfathered device fact sheets listed by the San Francisco Regional Water Board prior to the adoption of the Trash Provisions.

The Trash Provisions require that only Certified Full Capture Devices may be installed, and that the Devices be designed according to the following criteria:

1. Appropriately sized to treat not less than the peak flowrate resulting from a one--year, one-hour storm event (design storm) or at least the same peak flows from the corresponding storm drain;
2. Do not bypass trash below the design storm under maximum operational loading conditions; and
3. Trap all particles that are 5 mm or greater up to the design flow³ or at least the same peak flows from the corresponding storm drain; and do not have a

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 A Full Capture System is 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 mm or greater, and has a design treatment capacity that is either: of not less than the peak flow rate, Q, resulting from a one-year, one-hour storm in the subdrainage area, or b) appropriately sized to, and designed to carry at least the same flows as, the corresponding storm drain.

³ The region specific one-year, one-hour storm (or design flow) may be obtained from the [National Oceanic and Atmospheric Precipitation Estimates](https://www.weather.gov/media/owp/oh/hdsc/docs/Atlas14_Volume6.pdf) (https://www.weather.gov/media/owp/oh/hdsc/docs/Atlas14_Volume6.pdf)

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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 Code⁴, 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.

Depending on its design, certain Devices may impede the mosquito vector control district's ability to (1) visually inspect the Device and/or storm vault for mosquito breeding, and (2) apply the appropriate chemical treatment. Moreover, some devices may create a habitat for mosquitoes. Prior to installation of any certified Device, the local mosquito vector control district should be contacted to ensure the installation conforms to the 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.

New Device Application Certification or Fact Sheet Update

To apply for certification of a new Device, or to update a grandfathered Device fact sheet, the Device owner shall submit an application/fact sheet in accordance with the *Trash Treatment Control Device Certification and Fact Sheet Update Requirements*. Upon determining that a Device application is complete and meets the definition of a trash full capture system and is approved by the Mosquito Vector Control Association of California, the Executive Director will place the Device on the State Water Board's *Certified Full Capture System List of Trash Treatment Control Devices*.

The Trash Treatment Control Device Certification and Fact Sheet Update Requirements is found on the [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).

Certification of any Device does not constitute an endorsement by the State Water Board. The Executive Director reserves the right to de-certify and remove any Device from this list that does not satisfy the requirements of the Trash Provisions, such as but not limited to when a Device is discontinued, found to not trap trash in accordance with the Trash Provisions, or no longer has Mosquito Vector Control Association of California approval.

⁴ Health & Safety Code sections 2001- 4(d); 2002; 2060 (b) and Health & Safety Code sections 2060-2067, 100170, and 100175.

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Device applications and fact sheets may be obtained at:

<https://www.casqa.org/resources/trash/certified-full-capture-system-trash-treatment-control-devices>.

Questions regarding certification should be directed to Leo Cosentini at (916) 341-5524 or email address (leo.cosentini@waterboards.ca.gov).

CERTIFIED FULL CAPTURE SYSTEM LIST OF TRASH TREATMENT CONTROL DEVICES

TABLE 1 - CATCH BASIN INSERTS AND OTHER DEVICES

Owner	Full Capture System Trash Device Brand Name	Date Application Certified or Fact Sheet Updated	Date Vector Control Accessibility Verified
AbTech, Industries⁵	Ultra Urban Filter Curb Opening and Drop-In	Application 25 05/01/20	04/8/20
Advanced Drainage Systems, Inc.⁶	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	ADS-1 Updated 06/08/21	03/30/21
Bio Clean Environmental Services, Inc.⁷	Curb Inlet and Grate Inlet Filters	Application 4 03/15/18 Updated 02/12/21	01/27/21
Bio Clean Environmental Services, Inc.	Modular Connector Pipe Trash Screen	BC-3 Updated 04/30/20	03/10/20
BrightWater⁸	Connector Pipe Screen	Application 29 12/28/20	11/19/20

⁵ AbTech Industries website: <https://www.abtechindustries.com/>

⁶ Advanced Drainage Systems, Inc. website: <http://www.inletfilters.com/>

⁷ Bio Clean Environmental Services, Inc. website: <http://www.biocleanenvironmental.com/products/>

⁸ BrightWater website: www.wearebrightwater.com/

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Owner	Full Capture System Trash Device Brand Name	Date Application Certified or Fact Sheet Updated	Date Vector Control Accessibility Verified
BrightWater	Curb Inlet Filter	Application 26 06/30/20	04/17/20
Ecology Control Industries⁹	Debris Dam - Catch Basin Insert for Curb Inlet Design	ECI-1 Updated 06/17/20	04/29/20
Enviropod International: A Stormwater 360 Group Company¹⁰	Enviropod® LittaTrap™ Full Capture	Application 27 10/15/20	07/20/20
Filtrexx Sustainable Technologies¹¹	StormExx® Clean	Application 16 08/10/18 Updated 11/25/19	12/06/19
Frog Creek Partners, LLC¹²	Gutter Bin® Channel Filtration System & Mundus Bag® Water Filter	Application 22 06/26/19	04/19/19
Frog Creek Partners, LLC	Gutter Bin® Eco Drop Inlet Filter (DIF & DIF-C) & Mundus Bag® Water Filter	Application 24 02/18/20	12/06/19

⁹ Ecology Control Industries website: <http://www.ecologycontrol.com/>

¹⁰ Enviropod International: A Stormwater 360 Group Company website: <https://www.enviropod.com/products/enviropod-littatrap-full-capture/>

¹¹ Filtrexx Sustainable Technologies website: <https://www.filtrexx.com/en/products/stormexx/>

¹² Frog Creek Partners, LLC website: <https://frogcreek.partners/>

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Owner	Full Capture System Trash Device Brand Name	Date Application Certified or Fact Sheet Updated	Date Vector Control Accessibility Verified
Frog Creek Partners, LLC	Gutter Bin® Eco Curb Inlet Filter & Mundus Bag® Water Filter	Application 23 02/18/20	10/11/19
G2 Construction, Inc. ¹³	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
Inventive Resources, Inc. ¹⁴	Water Decontaminator	Application 2 03/15/18 Updated 02/05/21	04/20/20
Oldcastle Infrastructure ¹⁵	FloGard® Curb Inlet Basket	OI-1 Updated 06/09/21	06/09/21
Oldcastle Infrastructure	FloGard® Grate Inlet Basket	OI-2 Updated 06/09/21	06/09/21

¹³ G2 Construction, Inc website: <http://www.g2construction.com/products/>

¹⁴ Inventive Resources, Inc. website: <http://www.IRIproducts.com/>

¹⁵ Oldcastle Infrastructure website: <https://oldcastleinfrastructure.com/brands/>

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Owner	Full Capture System Trash Device Brand Name	Date Application Certified or Fact Sheet Updated	Date Vector Control Accessibility Verified
Oldcastle Infrastructure	FloGard® Outlet Trash Screen	OI-3 Updated 11/29/19	12/06/19
Revel Environmental Manufacturing, Inc. ¹⁶	Triton™ Bioflex Inlet Trash Guard Catchbasin Polyester Fiber Mesh Trash Filter Insert	REM-1 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	03/15/19
Safe Drain Stormwater Holdings Inc. ¹⁷	Storm Vector Guard	Application 30 02/11/21	12/17/20
Stormtek ¹⁸	Stormtek ST3 & STEG Catchbasin Connector Pipe	AS-1, A1S-2 Updated 08/12/21	08/04/21

¹⁶ Revel Environmental Manufacturing, Inc. website: <http://www.remfilters.com/>

¹⁷ Safe Drain Stormwater Holdings, Inc. website: <http://www.safedrainusa.com/>

¹⁸ Stormtek website: <https://swimsclean.com/stormtek/>

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Owner	Full Capture System Trash Device Brand Name	Date Application Certified or Fact Sheet Updated	Date Vector Control Accessibility Verified
United Stormwater, Inc. ¹⁹	Connector Pipe Trash Screen	USW-1 Updated 08/06/21	08/05/21

¹⁹ United Stormwater, Inc. website: <http://www.unitedstormwater.com/>

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TABLE 2 - HIGH FLOW CAPACITY TRASH DEVICES

Owner	Full Capture System Trash Device Brand Name	Date Application Certified or Fact Sheet Updated	Date Vector Control Accessibility Verified
AquaShield, Inc.²⁰	Aqua-Swirl® Stormwater Treatment System	Application 1 08/04/17 Updated 11/06/20	12/03/20
BaySaver Technologies LLC/Advanced Drainage Systems Inc.²¹	Barracuda Hydrodynamic Separator	Application 21 06/26/19 Updated 05/21/21	03/15/19
Bio Clean Environmental Services, Inc.	Debris Separating Baffle Box	Application 6 03/15/18	07/28/20
Bio Clean Environmental Services, Inc.	BioClean 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

²⁰ AquaShield, Inc. website: <http://www.aquashieldinc.com/-aqua-swirl.html>

²¹ BaySaver Technologies LLC/Advanced Drainage Systems Inc. website: <https://baysaver.com/products/barracuda/>

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Owner	Full Capture System Trash Device Brand Name	Date Application Certified or Fact Sheet Updated	Date Vector Control Accessibility Verified
Coanda Inc.	Coanda Trash Screen and Debris Fence	COA-1 Updated 09/10/21	09/07/21
Contech Construction Products²²	Continuous Deflective Separator Hydrodynamic Separator	CCP-1HF Updated 05/27/21	04/29/21
Jensen Stormwater Systems²³	Jensen® Deflective Separators	Application 5 03/15/18	12/06/19
Hydro International²⁴	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

²² Contech Construction Products website: <http://www.conteches.com/products/stormwater-management/treatment/cds/>

²³ Jensen Stormwater Systems website: <http://www.jensenengineeredsystems.com/>

²⁴ Hydro International website: <https://www.hydro-int.com/>

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Owner	Full Capture System Trash Device Brand Name	Date Application Certified or Fact Sheet Updated	Date Vector Control Accessibility Verified
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
Oldcastle Infrastructure	FloGard® NetTech	OI-11HF Updated 12/08/20	12/03/20
Oldcastle Infrastructure	Nutrient Separating Baffle Box®	Application 17 10/12/18 Updated 07/21/20	05/01/20
Roscoe Moss Company ²⁵	Storm Flo® Trash Screen – Linear Radial Gross Solids Removal Device	RMC-1HF Updated 03/30/21	03/11/21

²⁵ Roscoe Moss Company website: <https://roscoemoss.com/products/stormwater-gross-solids-removal-device/>

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Owner	Full Capture System Trash Device Brand Name	Date Application Certified or Fact Sheet Updated	Date Vector Control Accessibility Verified
StormTrap Modular Concrete Stormwater Management²⁶	SiteSaver®	Application 9 03/15/18 Updated 02/23/21	03/18/21

²⁶ StormTrap <https://stormtrap.com>