
State Water Resources Control Board

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

Trash Provisions

In accordance with the Trash Provisions¹, 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 Devices certified by the State Water Board, or 2) grandfathered Devices from a list maintained by the San Francisco Regional Water Board prior to the adoption of the Trash Amendments. All new Device installations shall be designed according to the following criteria:

1. Appropriately sized to treat not less than the peak flowrate resulting from a 1-year, 1-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 diversion structure present upstream such that a portion of the peak flow is not treated to trap all particles 5 mm 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.

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://hdsc.nws.noaa.gov/hdsc/pfds/pfds_map_cont.html/) internet site (https://hdsc.nws.noaa.gov/hdsc/pfds/pfds_map_cont.html/).

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Vector Control Accessibility

According to the California Health and Safety Code⁴, Landowners in California 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 the 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 Review Team may also be contacted via email at: (Trashtreatment@mvcac.org).

New Device 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 Designee will place the Device on the State Water Board's *Certified Full Capture System List of Trash Treatment Control Devices*. This list will also identify updates to grandfathered Device fact sheets that satisfy the requirements.

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).

Listing 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 or is not approved by Mosquito Vector Control Association of California Review Team.

To obtain a copy of the applications or fact sheets listed in Table 1 or Table 2 below, or to address questions regarding certification please contact Leo Cosentini at (916) 341-5524 or email address (leo.cosentini@waterboards.ca.gov)

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

CERTIFIED FULL CAPTURE SYSTEM LIST OF TRASH TREATMENT CONTROL DEVICES

TABLE 1 - CATCH BASIN INSERTS AND OTHER DEVICES

Owner / Website	Full Capture System Trash Device Brand Name	Date Application Certified or Fact Sheet Updated	Date Vector Control Accessibility Verified
AbTech, Industries Internet site (https://www.abtechindustries.com/)	Ultra Urban Filter (UUF) Curb Opening and Drop-In	Application 24 05/1/20	4/8/20
Advanced Drainage Systems, Inc. FLEXSTORM Division internet site (http://www.inletfilters.com/)	FLEXSTORM Full Trash Capture (FTC) Inserts	Application 2 03/15/18	None
Advanced Drainage Systems, Inc. FLEXSTORM Division internet site (http://www.inletfilters.com/)	FLEXSTORM Connector Pipe Screen	ADS-1 Not Updated	None
Bio Clean® Environmental Services, Inc. Internet site (http://www.biocleanenvironmental.com/products/)	Curb Inlet and Grate Inlet Filters	Application 4 03/15/18	None
Bio Clean® Environmental Services, Inc. Internet site (http://www.biocleanenvironmental.com/products/)	Modular Connector Pipe Trash Screen	BC-3 Updated 4/30/20	3/10/20
BrightWater™ Internet site (www.wearebrightwater.com/)	Connector Pipe Screen	Application 28 12/28/20	11/19/20
BrightWater™ Internet site (www.wearebrightwater.com/)	Curb Inlet Filter	Application 25 6/30/20	4/17/20
CleanWay® Environmental Partners, Inc. Internet site (http://Cleanwayusa.com/)	CleanWay Curb Inlet Filtration System	Application 7 03/15/18	None

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Owner / Website	Full Capture System Trash Device Brand Name	Date Application Certified or Fact Sheet Updated	Date Vector Control Accessibility Verified
CleanWay® Environmental Partners, Inc. Internet site (http://Cleanwayusa.com/)	CleanWay Drop Inlet	Application 8 03/15/18	None
Coanda Inc. Internet site (http://www.coanda.com/)	Coanda Trash Screen and Debris Fence	COA-1 No Update	None
Ecology Control Industries Internet site (http://www.ecologycontrol.com/)	Debris Dam - Catch Basin Insert for Curb Inlet Design	ECI-1 Updated 06/17/20	04/29/20
Enviropod International: A Stormwater360 Group Company Internet site (https://www.enviropod.com/products/enviropod-littatrap-full-capture/)	Enviropod® LittaTrap™ FC	Application 26 10/15/20	07/20/20
Filtrexx Sustainable Technologies Internet site (https://www.filtrexx.com/en/products/stormexx/)	StormExx® Clean	Application 16 08/10/18 Updated 11/25/19	12/06/19
Frog Creek Partners, LLC Internet site (https://frogcreek.partners/)	Gutter Bin® Channel Filtration System & Mundus Bag® Water Filter	Application 21 06/26/19	04/19/19
Frog Creek Partners, LLC Internet site (https://frogcreek.partners/)	Gutter Bin® Eco Drop Inlet Filter (DIF & DIF-C) & Mundus Bag® Water Filter	Application 22 02/18/20	12/06/19

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Owner / Website	Full Capture System Trash Device Brand Name	Date Application Certified or Fact Sheet Updated	Date Vector Control Accessibility Verified
Frog Creek Partners, LLC Internet site (https://frogcreek.partners/)	Gutter Bin® Eco Curb Inlet Filter (CIF) & Mundus Bag® Water Filter	Application 23 02/18/20	10/11/19
G2 Construction, Inc. Internet site (http://www.g2construction.com/products/)	G2 CPS-Mod™ and Removable CPS Mod™ Screen	G2-1 G2-1R 06/26/19	03/15/19
G2 Construction, Inc. Internet site (http://www.g2construction.com/products/)	G2 GITS™ Grated Inlet Trash Screen	Application 18 06/26/19	04/10/19
Inventive Resources, Inc. Internet site (http://www.IRIproducts.com/)	Water Decontaminator	Application 3 03/15/18	4/20/20
Oldcastle Infrastructure™ Internet site (https://oldcastleinfrastructure.com/brands/) [formerly KriStar Enterprises Inc.]	Flo Guard + Plus® Catchbasin Trash Screen Insert, Combination Inlet Style Drop in Basket	KS-1 No Update	None
Oldcastle Infrastructure™ Internet site (https://oldcastleinfrastructure.com/brands/) [formerly KriStar Enterprises Inc.]	Flo Guard Catchbasin Trash Screen Insert, Flat Grated Inlet Style-Drop in Basket	KS-2 No Update	None

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Owner / Website	Full Capture System Trash Device Brand Name	Date Application Certified or Fact Sheet Updated	Date Vector Control Accessibility Verified
Oldcastle Infrastructure™ Internet site (https://oldcastleinfrastructure.com/brands/) [formerly KriStar Enterprises Inc.]	Flo Guard Catchbasin Outlet Trash Screen Insert Connector Pipe Screen	KS-3 Updated 11/29/19	12/06/19
Revel Environmental Manufacturing, Inc. Internet site (http://www.remfilters.com/)	Triton™ Bioflex Inlet Trash Guard Catchbasin Polyester Fiber Mesh Trash Filter Insert	REM-1 No Update	None
Revel Environmental Manufacturing, Inc. Internet site (http://www.remfilters.com/)	Triton™ CPS-FTC (Crescent Pipe Screen)	Application 12 07/10/18	03/15/19
Revel Environmental Manufacturing, Inc. Internet site (http://www.remfilters.com/)	Triton Perf-FTC Insert	Application 13 07/10/18	03/15/19
Safe Drain Stormwater Holdings Inc. Internet site (http://www.safedrainusa.com/)	Storm Vector Guard	Application 29 02/11/21	12/17/20
Stormtek Internet site (https://swimsclean.com/stormtek/) [formerly Advanced Solutions]	Stormtek ST3 & STEG Catchbasin Connector Pipe	AS-1, A1S-2 No Update	None
United Stormwater, Inc. Internet site (http://www.unitedstormwater.com/)	Connector Pipe Trash Screen	USW-1 No Update	None

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TABLE 2 - HIGH FLOW CAPACITY TRASH DEVICES

Owner / Website	Full Capture System Trash Device Brand Name	Date Application Certified or Fact Sheet Updated	Date Vector Control Accessibility Verified
AquaShield™, Inc. Internet site (http://www.aquashieldinc.com/-aqua-swirl.html)	Aqua-Swirl® Stormwater Treatment System	Application 1 08/04/17 Updated 11/106/20	12/03/20
BaySaver Technologies® LLC/Advanced Drainage Systems Inc. Internet site (https://baysaver.com/products/barracuda/)	Barracuda Hydrodynamic Separator	Application 20 06/26/19	03/15/19
Bio Clean® Environmental Services, Inc. Internet site (http://www.biocleanenvironmental.com/products/)	Debris Separating Baffle Box (DSBB)	Application 6 03/15/18	07/28/20
Bio Clean® Environmental Services, Inc. Internet site (http://www.biocleanenvironmental.com/products/)	BioClean Deflective Screening Device (DSD)	Application 19 06/26/19	07/28/20
Bio Clean® Environmental Services, Inc. Internet site (http://www.biocleanenvironmental.com/products/)	Modular Wetland System® (MWS)	Application 15 07/10/18	03/15/19
Contech® Construction Products Internet site (http://www.conteches.com/products/stormwater-management/treatment/cds/)	Continuous Deflective Separator (CDS) Hydrodynamic Separator	CCP-1HF No Update	None

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Owner / Website	Full Capture System Trash Device Brand Name	Date Application Certified or Fact Sheet Updated	Date Vector Control Accessibility Verified
Jensen® Stormwater Systems Internet site (http://www.jensenengineeredsystems.com)	Jensen® Deflective Separators (JDS)	Application 5 03/15/18	12/06/19
Hydro International® Internet site (https://www.hydro-int.com/en/products/downstream-defender)	Downstream Defender (In-Line and Off-Line Configurations)	Application 14 07/10/18	03/16/20
Hydro International® Internet site (https://www.hydro-int.com/en/products/first-defense)	First Defense® High Capacity Full Trash Capture Device (FDHC FTC)	Application 27 10/30/20	08/20/20
Hydro International® Internet site (https://www.hydro-int.com/en/products/flo-filter)	Hydro Up-Flo Filter®	Application 11 07/18/18	03/16/20
Oldcastle Infrastructure™ Internet site (https://oldcastleinfrastructure.com/brands/) [formerly KriStar Enterprises Inc.]	Dual Vortex Separator Hydrodynamic Separator with Trash Screen	KS-7HF No Update	None
Oldcastle Infrastructure™ Internet site (https://oldcastleinfrastructure.com/brands/) [formerly KriStar Enterprises Inc.]	FloGard Perk Filter Radial Cartridge Filter with Trash Screen	KS-8HF No Update	None

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Owner / Website	Full Capture System Trash Device Brand Name	Date Application Certified or Fact Sheet Updated	Date Vector Control Accessibility Verified
Oldcastle Infrastructure™ Internet site (https://oldcastleinfrastructure.com/brands/) [formerly KriStar Enterprises Inc.]	Nettech Gross Pollutant Trap, In Line – Trash Screen and Net	KS-10HF No Update	None
Oldcastle Infrastructure™ Internet site (https://oldcastleinfrastructure.com/brands/) [formerly KriStar Enterprises Inc.]	FloGard® NetTech	KS-11HF Updated 12/08/20	12/03/20
Oldcastle Infrastructure™ Internet site (https://oldcastleinfrastructure.com/brands/) ([formerly Suntree Technologies Inc])	Nutrient Separating Baffle Box® (NSBB)	Application 17 10/12/18 Updated 07/21/20	05/01/20
Roscoe Moss Company Internet site (https://roscoemoss.com/products/stormwater-gross-solids-removal-device/)	Storm Flo® Trash Screen – Linear Radial Gross Solids Removal Device	RMC-1HF No Update	None
StormTrap® Modular Concrete Stormwater Management Internet site (http://stormtrap.com/)	Inline Netting Trash Trap – Inline Pipe Net with Trash Screen (formerly a Fresh Creek Technology Product)	FCT-1HF No Update	None

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Owner / Website	Full Capture System Trash Device Brand Name	Date Application Certified or Fact Sheet Updated	Date Vector Control Accessibility Verified
StormTrap® Modular Concrete Stormwater Management Internet site (http://stormtrap.com/)	End of Pipe Netting Trash Trap –End of Pipe Net with Trash Screen (formerly a Fresh Creek Technology Product)	FCT-2HF No Update	None
StormTrap® Modular Concrete Stormwater Management Internet site (http://stormtrap.com/)	SiteSaver®	Application 9 03/15/18	None