
State Water Resources Control Board

CERTIFIED FULL CAPTURE SYSTEM LIST OF TRASH TREATMENT CONTROL DEVICES

Trash Provisions

In accordance with the Trash Amendments,¹ all trash treatment control devices (Devices) installed after December 2, 2015 shall meet the Full Capture System (FCS) definition² and be certified by the State Water Resources Control Board (State Water Board) Executive Director, or designee, prior to installation. The Trash Devices included on this list meet the FCS definition and have been either: 1) certified by the State Water Board, or 2) grandfathered from certified FCSs by the Los Angeles Regional Water Board and FCSs listed in Appendix 1 of the Bay Area-wide Trash Capture Demonstration Project prior to the adoption of the Trash Amendments. New FCS Trash Devices upon installation shall meet the following design treatment capacity:

- 1) Are 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;
- 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
- 4) 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 (Ocean Plan) and Part 1 Trash Provisions of the Water Quality Control Plan for Inland Surface Waters, Enclosed Bays, And Estuaries of California (ISWEBE Plan) adopted by the State Water Board.

² 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 internet site [NOAA Precipitation Estimates](https://hdsc.nws.noaa.gov/hdsc/pfds/pfds_map_cont.html) (https://hdsc.nws.noaa.gov/hdsc/pfds/pfds_map_cont.html).

Vector Control Accessibility

Municipalities shall incorporate an operation and maintenance plan, sufficient to ensure that the captured trash does not migrate into the storm sewer system. According to the California Health and Safety Code, Landowners in California are legally responsible to abate (eliminate the source of) a public nuisance arising from their property, including mosquitoes. Mosquito vector control agencies have substantial authority to access public and private property, inspect known or suspected sources of mosquitoes, and abate the source of a mosquito problem, and charge the landowner for work performed and/or charge fees if a landowner is unwilling or unable to address a mosquito problem arising from their property. [H&S Code Sections 2001- 4(d); 2002; 2060 (b)] and [H&S Code sections 2060-2067, 100170, and 100175]. Depending on the Device, certain Devices may create a habitat for mosquitos; moreover, impede the pest control operator's ability to both visually inspect the Device for mosquito breeding and apply the appropriate chemical treatment. The State Water Board is providing vector control accessibility information below. Please contact the Mosquito Vector Control Association of California Review Team via email (MVCAC<Trashtreatment@mvcac.org>) or the local mosquito vector control agency prior to selection of any of the following Devices to ensure inspection and treatment is not impeded, and to minimize the potential of nuisances and public health impacts resulting from vector breeding.

Device Certification

To apply for certification of a new trash Device an applicant shall submit a completed *Trash Treatment Control Device Requirements Application* that addresses all the requirements and meet the definition of a full capture system. Upon determining that the Trash Treatment Control Device Application is complete and meets the definition of a trash full capture system, the Executive Director Designee may 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).

To obtain a copy of a Certified Trash Treatment Control Device Application listed below, please contact Jaime Favila at (916) 341-5482 or email address (Jaime.Favila@waterboards.ca.gov).

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 Amendments. Listing of any Device does not constitute an endorsement by the State Water Board.

Table 1- Catch Basin Inserts and Other Devices

Manufacturer / Website	Full Capture System Trash Device Brand Name	Date Application Certified or Fact Sheet Updated	Date Vector Control Accessibility Verified
Advanced Drainage Systems, Inc. – FLEXSTORM Division internet site (http://www.inletfilters.com/)	FLEXSTORM Full Trash Capture (FTC) Inserts	APPLICATION 2 March 15, 2018	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. Bio Clean Internet site (http://www.biocleanenvironmental.com/products/)	Catchbasin Connector Pipe Trash Screen (Trash Guard)	BC-4 No Update	None
Bio Clean® Environmental Services, Inc. Bio Clean Internet site (http://www.biocleanenvironmental.com/products/)	Curb Inlet and Grate Inlet Filters	APPLICATION 4 March 15, 2018	None
Bio Clean® Environmental Services, Inc. Bio Clean Internet site http://www.biocleanenvironmental.com/products/	Modular Connector Pipe Trash Screen	BC-3 No Update	None
CleanWay® Environmental Partners, Inc. CleanWay internet site (http://Cleanwayusa.com)	CleanWay Curb Inlet Filtration System	APPLICATION 7 March 15, 2018	None
Coanda Inc. Coanda internet site (http://www.coanda.com/)	Coanda Trash Screen and Debris Fence	COA-1 No Update	None

Manufacturer / Website	Full Capture System Trash Device Brand Name	Date Application Certified or Fact Sheet Updated	Date Vector Control Accessibility Verified
Ecology Control Industries Internet site (http://www.ecologycontrol.com)	Debris Dam - Connector Pipe Trash Screen	ECI No Update	None
Filtrexx Sustainable Technologies (https://www.filtrexx.com/en/products/stormexx)	StormExx® Clean	APPLICATION 16 August 10, 2018	None
Frog Creek Partners, LLC Internet site (https://frogcreek.partners/)	Gutter Bin® Channel Filtration System & Mundus Bag Water Filter	APPLICATION 21 June 26, 2019	04.19.19
G2 Construction, Inc. Internet site (http://www.g2construction.com/products/)	G2 CPS-Mod™ & Removable CPS-Mod™ Screen	G2-1 G2-1R June 26, 2019	03.15.19
G2 Construction, Inc. Internet site (http://www.g2construction.com/products/)	G2 GITS™ Grated Inlet Trash Screen	APPLICATION 18 June 26, 2019	04.10.19
Hydro International® Internet site (https://www.hydro-int.com/en/products/flo-filter)	Hydro Up-Flo Filter®	APPLICATION 11 July 10, 2018	None
Inventive Resources, Inc. Internet site (http://www.IRIproducts.com)	Water Decontaminator	APPLICATION 3 March 15, 2018	None
Oldcastle Precast® Stormwater Solutions 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

Manufacturer / Website	Full Capture System Trash Device Brand Name	Date Application Certified or Fact Sheet Updated	Date Vector Control Accessibility Verified
Oldcastle Precast® Stormwater Solutions 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
Oldcastle Precast® Stormwater Solutions Internet site (https://oldcastleinfrastructure.com/brands/) (formerly KriStar Enterprises Inc.)	Flo Guard Catchbasin Outlet Trash Screen Insert – Connector Pipe Screen	KS-3 No Update	None
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 July 10, 2019	03.15.19
Revel Environmental Manufacturing, Inc. Internet site (http://www.remfilters.com)	Triton Perf-FTC Insert	APPLICATION 13 July 10, 2019	03.15.19
Stormtek (formerly Advanced Solutions) Internet site (https://swimsclean.com/stormtek/)	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

<p>Manufacturer / Website</p>	<p>Full Capture System Trash Device Brand Name</p>	<p>Date Application Certified or Fact Sheet Updated</p>	<p>Date Vector Control Accessibility Verified</p>
<p>United Stormwater, Inc. Internet site (http://www.unitedstormwater.com)</p>	<p>Drop-in-Grate Inlet Catchbasin Trash Screen</p>	<p>USW-5 No Update</p>	<p>None</p>

Table 2 - HIGH FLOW CAPACITY TRASH DEVICES

Manufacturer / 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 August 4, 2017	None
BaySaver Technologies® LLC/Advanced Drainage Systems Inc. Internet site (https://baysaver.com/products/barracuda/)	Barracuda Hydrodynamic Separator	APPLICATION 20 June 26, 2019	03.15.19
Bio Clean® Environmental Services, Inc. Internet site (http://www.biocleanenvironmental.com/products/)	Debris Separating Baffle Box (DSBB)	APPLICATION 6 March 15, 2018	None
Bio Clean® Environmental Services, Inc. Internet site (http://www.biocleanenvironmental.com/products/)	BioClean Deflective Screening Device (DSD)	APPLICATION 19 June 26, 2019	None
Bio Clean® Environmental Services, Inc. Internet site http://www.biocleanenvironmental.com/products/	Modular Wetland System® (MWS)	APPLICATION 15 July 10, 2018	03.15.19
Contech® Construction Products Internet site (http://www.conteches.com/products/storm-water-management/treatment/cds)	Continuous Deflective Separator (CDS) Hydrodynamic Separator	CCP-1HF No Update	None
Jensen® Stormwater Systems Internet site (http://www.jensenengineeredsystems.com/)	Jensen® Deflective Separators (JDS)	APPLICATION 5 March 15, 2018	None

Manufacturer / Website	Full Capture System Trash Device Brand Name	Date Application Certified or Fact Sheet Updated	Date Vector Control Accessibility Verified
about/stormwater/)			
Hydro International® Stormwater internet site (www.hydro-int.com)	Downstream Defender (In-Line & Off-Line Configurations)	APPLICATION 14 July 10, 2018	None
Hydro International® Stormwater internet site (www.hydro-int.com)	Hydro DryScreen®	APPLICATION 10 July 10, 2018	None
Oldcastle Precast® Stormwater Solutions Internet site (https://oldcastleinfrastructure.com/brands/) (formerly KriStar Enterprises Inc.)	Dual Vortex Separator – Hydrodynamic Separator with Trash Screen	KS-7HF No Update	None
Oldcastle Precast® Stormwater Solutions Internet site (https://oldcastleinfrastructure.com/brands/) (formerly KriStar Enterprises Inc.)	FloGard Perk Filter – Radial Cartridge Filter with Trash Screen	KS-8HF No Update	None
Oldcastle Precast® Stormwater Solutions 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 Precast® Stormwater Solutions Internet site (https://oldcastleinfrastructure.com/brands/) (formerly KriStar Enterprises Inc.)	*Nettech Gross Pollutant Trap, End of Line – Trash Screen and Net	KS-11HF No Update	None

Manufacturer / Website	Full Capture System Trash Device Brand Name	Date Application Certified or Fact Sheet Updated	Date Vector Control Accessibility Verified
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
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 March 15, 2018	None
Suntree Technologies Inc.® Internet site (www.suntreetech.com)	Nutrient Separating Baffle Box®	APPLICATION 17 October 12, 2018	None

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