

Certified Full Capture Systems List of Trash Treatment Control Devices



In accordance with the Trash Amendments,¹ all trash treatment control devices installed after December 2, 2015 shall meet the Full Capture System definition below and be certified by the State Water Resources Control Board (State Water Board) Executive Director, or designee, prior to installation. The devices listed below meet the Full Capture System definition and are certified for installation by the State Water Board Executive Director designee, provided that upon installation, the devices:

- 1) Are properly sized to treat the region specific 1-year, 1-hour storm event (design storm),
- 2) Do not bypass the design storm under fully loaded conditions, and
- 3) Do not have a diversion structure present upstream such that a portion of the design storm is not treated to trap all particles 5 mm or greater.

Municipalities shall maintain and operate each device to capture trash equal to or greater than 5 mm for every design storm event. Certain device structures may create a habitat for vectors (e.g. mosquitos and rodents) depending upon their design and/or maintenance. Therefore, permittees shall collaborate with local vector control agencies to identify and implement appropriate vector control measures that minimize potential nuisances and public health impacts resulting from vector breeding.

The Executive Director reserves the right to de-certify and remove any device from this list. Listing of any device does not constitute an endorsement by the State Water Board. Applicants seeking to add a new device to this list shall submit an application to the Executive Director for approval. The Trash Treatment Control Device Application Requirements are located on the Trash Amendments Implementation webpage at https://www.waterboards.ca.gov/water_issues/programs/stormwater/trash_implementation.shtml.

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: a) 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.

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.

This list contains contact information of municipalities that have installed the specific device and gained experience with installation, maintenance, and performance.

CATCH BASIN INSERT DEVICES

<u>Manufacturer/Website</u>	<u>Device & Brand Name</u>	<u>Fact Sheet</u>	<u>Municipalities Contacts Experienced with Device</u>
Advanced Drainage Systems, FLEXSTORM division http://www.inletfilters.com/products/connector-	ADS – FLEXSTORM – CONNECTOR PIPE SCREEN	ADS-1 (p.83)	No Contacts
Stormtek (formerly Advanced Solutions) http://www.stormtekcps.com	Stormtek ST3 & ST3G – Catchbasin Connector Pipe	AS-1, AS-2 (p.45)	Locations and Contacts
Bio Clean Environmental Services, Inc. http://www.biocleanenvironmental.com	Square Grate Inlet Skimmer Box With Trash Screen	BC-1 (p.42)	Locations and Contacts
	Round Curb Inlet Basket With Trash Screen	BC-2 (p.39)	Locations and Contacts
	Modular Connector Pipe Trash Screen	BC-3 (p.36)	No Contacts
	Catchbasin Connector Pipe Trash Screen (Trash Guard)	BC-4 (p.33)	No Contacts
Coanda Inc. http://www.coanda.com	Coanda Trash Screen and Debris Fence	COA-1	No Contacts
Ecology Control Industries http://www.ecologycontrol.com	Debris Dam- Connector Pipe Trash Screen	ECI (p.30)	No Contacts
G2 Construction, Inc. http://www.g2construction.com	Collector Pipe Trash Screen & Removable Collector Pipe Trash Screen	G2-1, G2-1R (p.27)	No Contacts

CATCH BASIN INSERT DEVICES Continued



<u>Manufacturer/Website</u>	<u>Device & Brand Name</u>	<u>Fact Sheet</u>	<u>Municipalities Contacts Experienced with Device</u>
Oldcastle Stormwater Solutions (formerly Kristar Enterprises, Inc.) http://www.kristar.com	Flo Guard Plus Catchbasin Trash Screen insert, Combination Inlet Style - Drop in Basket	KS-1 (p.18)	Locations and Contacts
	Flo Guard Catchbasin Trash Screen Insert, Flat Grated Inlet Style- Drop in Basket	KS-2 (p.13)	Locations and Contacts
	Flo Guard Catchbasin Outlet Trash Screen Insert – Connector Pipe Screen	KS-3 (p.9)	Locations and Contacts
Revel Environmental Manufacturing, Inc. http://www.remfilters.com	Triton Bioflex Inlet Trash Guard - Catchbasin Polyester Fiber Mesh Trash Filter Insert	REM-2 (p.6)	Locations and Contacts
United Stormwater, Inc. http://www.unitedstormwater.com	Connector Pipe Trash Screen	USW-1 (p.4)	Locations and Contacts
	Drop-in-Grate Inlet - Catchbasin Trash Screen	USW-5 (p.5)	Locations and Contacts

High Flow Capacity Trash Devices



Manufacturer/Website	Device & Brand Name	Fact Sheet / Application	Municipalities Contacts Experienced with Device
Aquashield,™ Inc. http://www.aquashieldinc.com	Aqua-Swirl Stormwater Treatment System	APPLICATION 1 (p.84)	No Contacts
Bio Clean Environmental Services, Inc. http://www.biocleanenvironmental.com	Nutrient Separating Baffle Box – Inline Treatment System for TSS, Hydrocarbons, and Gross Solids With Trash Screen;	BC-5HF (p.80)	Locations and Contacts
Contech Construction Products http://www.conteches.com/products/stormwater-management	Continuous Deflective Separator (CDS) - Hydrodynamic Separator	CCP-1HF (p.77)	Locations and Contacts
Fresh Creek Technologies, Inc. http://www.freshcreek.com	Inline Netting Trash Trap – Inline Pipe Net With Trash Screen	FCT-1HF (p.74)	No Contacts
	*End of Pipe Netting Trash Trap – End of Pipe Net With Trash Screen	FCT-2HF (p.71)	Locations and Contacts
Oldcastle Stormwater Solutions (formerly Kristar Enterprises, Inc.) http://www.kristar.com	CleansAll - Gross Pollutant Trap With Trash Screen	KS-5HF (p.68)	No Contacts
	Downstream Defender - Hydrodynamic Separator With Trash Screen	KS-6HF (p.65)	No Contacts
	Dual Vortex Separator - Hydrodynamic Separator With Trash Screen	KS-7HF (p.62)	Locations and Contacts
	FloGard Perk Filter - Radial Cartridge Filter With Trash Screen	KS-8HF (p.59)	No Contacts
	Nettech Gross Pollutant Trap - In Line – Trash Screen and Net	KS-10HF (p.53)	No Contacts
	*Nettech Gross Pollutant Trap - End of Line – Trash Screen and Net	KS-11HF (p.50)	No Contacts
Roscoe Moss Company http://www.roscoemoss.com/products/gross-solids-removal-device	Storm Flo Trash Screen - Linear Radial Gross Solids Removal Device	RMC-1HF (p.47)	Locations and Contacts

*Nets and any associated containment structures are often placed at the outlets of storm drain pipes, which can be in receiving waters such as rivers, creeks, and wetlands. Under these circumstances, a Clean Water Act Section 404 permit may be required from the Army Corps of Engineers, a Clean Water Act Section 401 water quality certification may be required by the Regional Water Board, and a Section 1600 Streambed Alteration Agreement may be required by the CA Dept. of Fish and Wildlife. Before installing a net within a receiving water, municipalities are instructed to submit the design to the Regional Water Board for review and further instruction.