
State Water Resources Control Board

Trash Treatment Control Device Certification and Fact Sheet Update Requirements (Updated July 2021)

In accordance with the Trash Amendments,¹ the State Water Resources Control Board (State Water Board) Executive Director or designee certifies the trash treatment control devices identified in the State Water Board's *Certified Full Capture System List of Trash Treatment Control Devices* (Certified List of Trash Devices).² The Executive Director or designee will certify the device when a trash device complies with the definition of a trash Full Capture System³ and vector control accessibility.⁴

To apply for certification of a new a device or to update an existing certified device application or grandfathered⁵ device fact sheet, the owner shall prepare the application/update in accordance with the submittal requirements listed below. The application/update shall be submitted electronically to Mr. Leo Cosentini at Leo.Cosentini@waterboards.ca.gov. Mr. Cosentini is also available to answer questions either by email at or by telephone at (916) 341-5524.

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- 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 adopted by the State Water Board.
 - ² Trash Treatment Control Device: A Device 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 peakflow rate resulting from a one-year, one-hour storm in the sub-drainage area, or b) appropriately designed to carry at least the same flows as the corresponding storm drain.
 - ³ A Device 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 resulting from a one-year, one-hour storm in the sub-drainage area, or b) appropriately designed to carry at least the same flows as the corresponding storm drain.
 - ⁴ Vector Control Accessibility: A device design that allows for full visual access to all areas for presence of standing water, and when necessary, allows for treatment of mosquitoes.
 - ⁵ The Trash Amendments automatically certified the devices previously accepted by the San Francisco Regional Water Board.

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The certification of the device by the Executive Director or designee will direct StateWater Board Staff to notify the device owner and update the *Certified List of Trash Devices* for posting to the [Trash Implementation Program webpage](#).

Please note under certain circumstances an inadequate application/fact sheet may result in the State Water Board Executive Director or designee removing the device from the *Certified List of Trash Devices*.

CONFIDENTIALITY

Device owners who include specific proprietary information that should not be publicly disclosed shall include a 'Confidentiality Justification Letter' that clearly identifies the privileged or confidential information and explains why the information should not be publicly disclosed. In general, State Water Board considers proprietary information confidential where it consists of trade secrets (e.g., manufacturing processes and /or materials that are not patent protected). If the confidentiality justification is approved, the application or fact sheet linked to the *Certified List of Trash Devices* will not display the confidential information.

Device owners intending to request confidentiality should contact Leo Cosentini prior to submitting the application or fact sheet to discuss the merits of their request and the likelihood of the State Water Board granting the request. Confidentiality Justification Letters that are denied shall have applications returned to the device owner.

SUBMITTAL REQUIREMENTS

The submittal for certification or fact sheet update shall be consistent and properly formatted to address each of the requirements below. If any requirement is not applicable, include the requirement and indicate N/A.

1. **Cover Letter.** The A cover letter shall be signed and dated by the device owner and shall address the following:
 - a. Device product name⁶ and general description;
 - b. The name of the device owner or if device is owned by a corporation, the name and position of the highest corporate officer (e.g., Chief Executive Officer or president). If the application is signed by the owner's authorized representative (e.g., Vice-President, Department Director, etc.), identify the name and position of the authorized representative. The contact information for the device owner and authorized representative shall include the mailing address, email address, and telephone number;
 - c. The owner or manufacturer's website where the device can be found on the internet;
 - d. The location of the device manufacturing site;
 - e. A brief summary of any field or laboratory testing results that

⁶ Where a certified device has a product name-change identify the original owner and device name and ensure the proper relabeling of all device photos, graphics, illustrations, etc.

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demonstrates the device functions as described within the application;

- f. A brief summary of the device limitations, and operational, sizing, and maintenance considerations;
- g. A description or list of locations, if any, where the device has been installed for the purposes of trapping trash. Include the name and contact information of as many as three municipalities purchasing the Device;
- h. If the device is designed to trap trash from flows that exceed the 1-year, 1-hour flow, indicate a preference to be listed as a high flow capacity device on the State Water Board's website; and
- i. The application shall be signed by the owner or authorized representative (not the technical or sales representative) and include the following certification:

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons that manage the system or those persons directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

2. **Table of Contents.** The Table of Contents shall be consistent with the six sections (sections 3-8) and corresponding subsections below. Appendices, and corresponding page numbers may be added.
3. **Physical Description.** The physical description shall provide or address the following:
 - a. **Trash Capture:** Describe how the device traps trash particles 5-millimeters or greater. Unless the device is designed to self-clean the screen or filter area, screens and filters sizes must be between 4.5 to 5 millimeters. Expandable filters must be sized between 4.5 to 5 millimeters at peak hydraulic capacity at 50 percent blinding.
 - b. **Peak Flows/Trash Volumes:** Explain how the device is sized for varying peak flow rates and trash capture volumes;
 - c. **Hydraulic Capacity:**
 - 1) For all standard sizes, provide a table of the hydraulic capacity when the device is empty and at several intervals of screen blinding (including 50 percent), or trash capture volume.
 - 2) Provide the methods or equations used to determine hydraulic capacity. If equations are used, provide one example; and
 - 3) If the device has alternative configurations that impact the hydraulic capacity, include a table of the hydraulic capacity for each device configuration.
 - d. **Comparison Table:** For all standard sizes, provide a table that includes the peak flow rates, and recommended maximum trash capture volume;

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- e. **Design Drawings:** Provide design drawings for all standard device sizes and, if any, alternative configurations (e.g., deflector screen, filter media, etc.). Design drawings should depict the device from the top, side, and three-dimensional perspective). If device includes features for vector control accessibility, drawings should include the vector control accessibility features.
 - f. **Alternative Configurations:** If the device includes alternative configurations, explain the purpose of each configuration and mandatory installation conditions;
 - g. **Internal Bypass:** If the device has an internal bypass, explain how the bypass functions to only allow a bypass of flows exceeding the peak flow rate;
 - h. **Previously Trapped Trash:** Explain the condition(s) under which the device re-introduces previously trapped trash (e.g., via the internal bypass);
 - i. **Calibration Feature:** If the device includes an adjustable calibration feature, describe how the calibration feature functions;
 - i. **Photos:** If any, provide device installation photographs;
 - j. **Material Type:** Provide each material and material grade used to construct the device (e.g., stainless steel, plastic, etc.); and
 - k. **Design Life:** Provide the estimated design life.
- 4. Installation Guidance.** The installation guidance shall include the following:
- a. Standard device installation procedures including calibration instructions if applicable;
 - b. Description of device installation limitations and/or non-standard device installation procedures; and
 - c. Methods for diagnosing and correcting installation errors.
- 5. Operation and Maintenance Information.** Operation and maintenance information shall include the following:
- a. Inspection procedures and frequency considerations;
 - b. Description of maintenance frequency considerations related to the device's hydraulic capacity at various levels of trash capture volumes (see section 3, above);
 - c. Maintenance procedures, including procedures to clean the trash capture screen;
 - d. Essential equipment and materials for proper maintenance activities;
 - e. Description of the effects of deferred maintenance on device structural integrity, performance, odors, etc.; and
 - f. Repair procedures for the device's structural and screening components.
- 6. Vector Control Accessibility.** Vector control accessibility information shall include the following:

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- a. The date the device application was submitted for vector control accessibility design verification via email to the Mosquito Vector Control Association of California at Trashtreatment@mvcac.org. The Mosquito Vector Control Association of California has prepared a [video](https://vimeo.com/462828578/5ca5a8d9d2) (<https://vimeo.com/462828578/5ca5a8d9d2>) providing information regarding vector control accessibility.
 - b. Description and/or video that demonstrates how mosquito vector control personnel can readily access the bottom of the storm water vault and/or Device for visual observation and mosquito treatment,⁷ and
 - c. The Mosquito Vector Control Association of California Letter of Verification as an attachment to the application when it becomes available. This letter shall verify that the device design allows full visual access for presence of standing water and treatment of mosquitoes when necessary. The Table of Contents shall note the Mosquito Vector Control Association of California approval letter.
- 7. Reliability Information.** Reliability information shall include the following:
- a. Estimated design life of Device components before major overhaul;
 - b. Warranty Information; and
 - c. Customer support information.
- 8. Field and Laboratory Testing Information and Analysis.** Field and laboratory testing information shall include the following:
- a. For devices with 5-millimeter screening, any available field or laboratory testing information that demonstrates the device functionality and performance; and
 - b. If the Device does not include a 5-millimeter screen, adequate field or laboratory testing information that demonstrates the Device captures trash particles of 5-millimeters or greater.

⁷ For a device that causes standing water that may cause mosquito breeding, it is recommended, but not required, that the manufacturer include in the application either an optional sealed manhole cover or a solid (under- manhole cover) insert. Some municipalities, in conjunction with their local mosquito vector control districts, may require the installation of sealed manhole covers or solid inserts to reduce mosquito habitat for such devices that cause standing water.