

## State Water Resources Control Board

### Certified Multi-Benefit Treatment Systems Complying With Trash Full Capture System Requirements

The State Water Resources Control Board (State Water Board) and Regional Water Quality Control Boards (Regional Water Boards) promote Low Impact Development (LID) designs to capture, reuse, treat, and/or infiltrate storm water runoff. The LID systems and individual treatment controls that provide multiple benefits and comply with the trash Full Capture System definition within the Trash Policy Amendments<sup>1</sup> are termed “Multi-Benefit Treatment Systems.” Per the Trash Policy Amendments, the State Water Board Executive Director certifies a Multi-Benefit Treatment System that performs and complies with the following criteria:

1. Traps all particles that are 5 mm or greater up to the region specific design flow<sup>2</sup> or corresponding volume;
2. Complies with one of the following trash treatment designs applicable to the Multi-Benefit Treatment System:
  - a. **Flow-based design** that includes:
    - 1) A trash treatment capacity equal to or greater than the peak runoff flow collected during the region specific one-year, one-hour storm event from the applicable drainage area, or
    - 2) A trash treatment capacity equal to or greater than the corresponding flow capacity; or
  - b. **Volume-based design** that includes a trash treatment capacity that is:
    - 1) Equal to or greater than the volumetric sizing criteria for treatment systems in the applicable State or Regional Water Board storm water permit, and
    - 2) Equal or greater than the volume generated from a one-year, one-hour storm event.
3. Incorporates an operation and maintenance plan sufficient to ensure that the captured trash does not migrate from the site; and
4. Is constructed per design plans that are stamped and signed by a registered California licensed professional civil engineer (see Bus. & Prof. Code Section 6700, et seq.).

The Multi-Benefit Treatment Systems listed below are certified by the State Water Board Executive Director. The Executive Director reserves the right to remove any Multi-Benefit Treatment System from this list.

<u>State Water Board Certified Multi-Benefit Treatment Systems</u>
(Click links to access description and information sheets)
<a href="#"><u>Bioretention</u></a>
<a href="#"><u>Capture and Use Systems</u></a>
<a href="#"><u>Detention Basin</u></a>
<a href="#"><u>Infiltration Trench or Basin</u></a>
<a href="#"><u>Media Filter</u></a>

<sup>1</sup> Resolution 2015-0019. 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.

<sup>2</sup> The region specific one-year, one-hour storm (or design flow) may be obtained from the National Oceanic and Atmospheric Administration’s Atlas 14 Point Precipitation Frequency Estimates at [https://hdsc.nws.noaa.gov/hdsc/pfds/pfds\\_map\\_cont.html](https://hdsc.nws.noaa.gov/hdsc/pfds/pfds_map_cont.html)