

## **BEST MANAGEMENT PRACTICES**

- I. Source Control BMPs
- II. Treatment Control BMPs
- III. Design Standards for Treatment Control BMPs

Note: The application of those BMP should comply with code requirements or specification and to check with LADBS prior to use.

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**Source Control BMPs**

The following is a list of attached source control BMP fact sheets that were obtained from the California Stormwater Best Management Practice Handbook and other sources. The individually paged fact sheets provide information about a particular BMP, and can be incorporated into the design plans and/or specifications. The fact sheets can be photocopied directly from this manual or downloaded from the Handbook website at [www.lastormwater.org](http://www.lastormwater.org).

<b>Fact Sheets</b>	<b>BMPs</b>
SD-21	Alternative Building Material
SC-44	Drainage System Maintenance
SD-12	Efficient Irrigation
SD-30	Fueling Areas
SC-60	Housekeeping Practices
SD-31	Maintenance Bays & Docs
	Marinas, Boatyards and Ports
SC-10	Non-Stormwater Discharges
SC-31	Outdoor Container Storage
SC-32	Outdoor Equipment Maintenance
SC-30	Outdoor Loading / Unloading
SD-34	Outdoor Material Storage Areas
SD-36	Outdoor Processing Areas
SC-33	Outdoor Storage of Raw Materials
SD-35	Outdoor Work Areas
SC-43	Parking Areas/Storage Area Maintenance
SD-20	Pervious Pavements
SD-11	Roof Runoff Controls
SD-10	Site Design & Landscape Planning
SC-11	Spill Prevention Control and Cleanup
SD-13	Storm Drain Signage
SD-32	Trash Storage Areas
SC-21	Vehicle and Equipment Cleaning
SC-20	Vehicle and Equipment Fueling
SC-22	Vehicle and Equipment Repair
SD-33	Vehicle Washing Areas
SC-34	Waste Handling and Disposal

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**Treatment Control BMPs**

Attached are descriptions and fact sheets of treatment control BMPs obtained from the California Stormwater Best Management Practice Handbooks and other sources.

<b>Fact Sheets/Other Information Sources</b>	<b>BMPs</b>
TC-32	Bioretention
Appendix F: Vendor List	Catch Basin Inserts (Proprietary System)
Appendix F: Vendor List	Catch Basin Screens (Proprietary System)
TC-21	Constructed Wetlands
Appendix F: Vendor List	Continuous Separation Systems (CDS) (Proprietary System)
MP-52	Drain Inserts
Appendix F: References	Dry Well
TC-22	Extended Detention Basins
TC-10	Infiltration Basin
TC-11	Infiltration Trench
TC-40	Media Filter
TC-60	Multiple Systems
Appendix F: Vendor List	On-line Filtration Systems (Proprietary System)
Appendix F: References	Primary Wastewater Treatment
	Rain Diversion System
TC-12	Retention/Irrigation
Appendix F: References	Vegetated Swales & Strips
TC-31	Vegetated Buffer Strip
TC-30	Vegetated Swale
MP-51	Vortex Separator
Appendix F: Vendor List	Hydrodynamic Systems
TC-50	Water Quality Inlet
MP-20	Wetland
TC-20	Wet Pond
MP-50	Wet Vault

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**Design Standards for Treatment Control BMPs**

Post-construction Treatment Control BMPs incorporate, at a minimum, either a volumetric or flow based treatment control design standard, or both, as identified below to mitigate (infiltrate, filter or treat) stormwater runoff:

**a. Volumetric Treatment Control BMP**

1. The 85<sup>th</sup> percentile 24-hour runoff event determined as the maximized capture stormwater volume for the area, from the formula recommended in *Urban Runoff Quality Management, WEF Manual of Practice No. 23/ ASCE Manual of Practice No. 87, (1998)*; or
2. The volume of annual runoff based on unit basin storage water quality volume, to achieve 80 percent or more volume treatment by the method recommended in *California Stormwater Best Management Practices Handbook – Industrial/ Commercial, (1993)*; or
3. The volume of runoff produced from a 0.75 inch storm event, prior to its discharge to a stormwater conveyance system; or
4. The volume of runoff produced from a historical-record based reference 24-hour rainfall criterion for “treatment” (0.75 inch average for the Los Angeles County area) that achieves approximately the same reduction in pollutant loads achieved by the 85<sup>th</sup> percentile 24-hour runoff event.

**b. Flow Based Treatment Control BMP**

1. The flow of runoff produced from a rain event equal to at least 0.2 inch per hour intensity; or
2. The flow of runoff produced from a rain event equal to at least two times the 85<sup>th</sup> percentile hourly rainfall intensity for Los Angeles County; or
3. The flow of runoff produced from a rain event that will result in treatment of the same portion of runoff as treated using volumetric standards above.

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