

Summary of significant changes:

SWWW Guidance Standard	2014 SWMM	2019 SWMM	Impact
Continuous Simulation Modeling for LID BMPs	Less restrictive simulation modeling for LID applications.	Additional simulation model requirements for LID applications such as bioretention, permeable pavement, and green roofs.	More restrictive.
Replaced Hard Surfaces Redevelopment Threshold	Project proposal must compare the value of the proposed improvements to the value of the project site improvements (project site improvements = entire parcel).	Project proposal must compare the value of the proposed improvements to the value of the project site improvements (project site improvements = limits of disturbance).	No change.
Creation of <u>Equivalent Areas</u> in Redevelopment Project Thresholds	Project proposals must implement BMPs on-site.	Introduction of “Equivalent Areas” allowing project proposal to provide SWMM BMPs for an equivalent area. Equivalent area may be on-site or off-site if the off-site area drains to the same receiving water.	No change.
Minimum Requirement 2: The 13 Elements of a SWPPP	Consistent with compliance standards in 2010 NPDES Construction Stormwater General Permit.	Updated to be consistent with compliance standards in 2015 NPDES Construction Stormwater General Permit.	More restrictive.
Minimum Requirement 5: On-Site Stormwater Management	Not required to use <u>BMP T5.13: Post Construction Soil Quality and Depth</u> when choosing LID performance standards to meet minimum requirements.	Updated to require the use of <u>BMP T5. 13: Post-Construction Soil Quality and Depth</u> when choosing LID performance standards to meet minimum requirements.	More restrictive.
Minimum Requirement 7: Flow Control	TDA discharging to marine waterbody was not required to meet all exemption requirements before being determined as flow control exempt.	Ensures that a TDA (Threshold Discharge Area) discharging to a marine waterbody meets all exemption requirements before being determined to be flow control exempt.	More restrictive.
Concrete Washout BMPs: <u>BMP C151: Concrete Handling</u> and <u>BMP C154: Concrete Washout Area</u>	Does not allow for auxiliary concrete truck components and small concrete handling equipment to be washed	Clarification added that auxiliary concrete truck components and small concrete handling equipment may be washed into formed	No change.

	out into areas awaiting concrete pour.	areas awaiting concrete pour. Concrete truck drums must be washed either off-site or into a concrete washout area.	
Source Control BMPs: Volume IV, Source Control Library	New BMPs were not included in 2014 SWMM.	<p>Introduction of new source control BMPs not listed in previous versions of the SWMM.</p> <ul style="list-style-type: none"> <li>• BMP S434 Dock Washing</li> <li>• BMP S441 Potable Water Line Flushing, Water Tank Maintenance, and Hydrant Testing</li> <li>• BMP S435 Pesticides and an Integrated Pest Management Program</li> <li>• BMP S444 Storage of Dry Pesticides and Fertilizers</li> <li>• BMP 449 Nurseries and Greenhouses</li> <li>• BMP 450 Irrigation</li> <li>• BMP 445 Temporary Fruit Storage</li> <li>• BMP In-Water and Over-water Fueling</li> <li>• BMP 436 Color Events</li> <li>• BMP 438 Construction Demolition</li> <li>• BMP 440 Pet Waste</li> <li>• BMP 442 Labeling Storm Drain Inlets</li> <li>• BMP 443 Fertilizer Application</li> <li>• BMP Well, Utility, Directional and Geotechnical Drilling</li> <li>• BMP 447 Roof Vents</li> <li>• BMP 451 Building, Repair, Remodeling, Painting, and Construction</li> <li>• BMP 452 Goose Waste</li> </ul>	More restrictive.

Wetland Guidance: <u>Appendix I-C: Wetland Protection Guidelines</u> and <u>Minimum Requirement 8: Wetlands Protection</u>	All wetlands (low to high value) were subject to the less restrictive guidance described in <u>Appendix I-C: Wetland Protection Guidelines</u> and Minimum Requirements 8: Wetlands Protection.	Updated to require monitoring and modeling of high value wetlands if proposed project has legal access to them. 2014 SWMM guidance is retained, but refined, for lower value wetlands or high value wetlands where the proposed project does not have legal access.	More restrictive.
UIC (Underground Injection Control) Program	UIC program guidance document not included.	Incorporation of the UIC Program into the SWMM.	No change.
Regional Facilities	Less comprehensive guidance for regional facilities.	Expanded guidance for regional facilities (Appendix I-D).	More restrictive.
Stormwater Control Transfer Programs	Stormwater control transfer plan not included.	Guidance created for stormwater control transfer program (Appendix I-E).	More restrictive.