

APPENDIX 10 – Equivalent Programs for Runoff Controls for New and Redevelopment and Construction Sites

Ecology determined that the following list shall be used to amend any enforceable documents, including codes, ordinances, director's rules, public rules and/or manuals, to be functionally equivalent to Appendix I in the *Western Washington Phase II Municipal Stormwater Permit* (effective August 1, 2019) and the required portions of Ecology's 2019 *Stormwater Management Manual for Western Washington*.

1. **Continuous Simulation Modeling:** Text throughout the SWMMWW has been updated to require continuous simulation models that include:
 - The ability to directly model BMPs that may be used in LID applications, such as bioretention, permeable pavement, and green roofs.
 - 15-minute time steps
 - Incorporation of the van Genuchten algorithm to model bioretention.
2. **Replaced Hard Surfaces Redevelopment Threshold:** The Minimum Requirement Thresholds for non-road related commercial or industrial redevelopment projects have been updated to require the project proponent to compare the value of the proposed improvements to the value of the Project Site (the limits of disturbance) improvements, rather than the Site (the entire parcel) improvements.
3. **Equivalent Areas:** The Redevelopment Project Thresholds have been updated to allow a project proponent to provide Stormwater Management BMPs for an equivalent area. The equivalent area may be on-site, or off-site if the area drains to the same receiving water and the guidance for in-basin transfers is followed.
4. **Minimum Requirement 2:** The 13 Elements in Minimum Requirement 2 (Construction Stormwater Pollution Prevention) have been updated to incorporate changes that were made to the 2015-2020 Construction Stormwater General Permit.
5. **Minimum Requirement 5:** Minimum Requirement 5 (On-Site Stormwater Management) has been updated to require BMP T5.13 (Soil Quality and Depth) when choosing to use the LID Performance Standard to meet Minimum Requirement 5 for Minimum Requirement 1-5 projects.
6. **Minimum Requirement 7:** Minimum Requirement 7 (Flow Control) has been updated to ensure that a TDA discharging to a marine waterbody meets all exemption requirements before it can be determined to be Flow Control exempt.
7. **Concrete Washout BMP:** BMP C154 (Concrete Washout Area) has been updated to clarify that auxiliary concrete truck components and small concrete handling equipment may be washed into formed areas awaiting concrete pour, while concrete truck drums must be washed either off-site or into a concrete washout area.

8. Source Control BMPs: Volume IV (Source Control BMP Library) has been updated with Source Control BMPs for activities not listed in previous versions of the manual. The new activities with Source Control BMPs are:

- S434 BMPs for Dock Washing
- S441 BMPs for Potable Water Line Flushing, Water Tank Maintenance, and Hydrant Testing
- S435 BMPs for Pesticides and an Integrated Pest Management Program
- S444 BMPs for the Storage of Dry Pesticides and Fertilizers
- S449 BMPs for Nurseries and Greenhouses
- S450 BMPs for Irrigation
- S445 BMPs for Temporary Fruit Storage
- S439 BMPs for In-Water and Over-Water Fueling
- S436 BMPs for Color Events
- S438 BMPs for Construction Demolition
- S440 BMPs for Pet Waste
- S442 BMPs for Labeling Storm Drain Inlets On Your Property
- S443 BMPs for Fertilizer Application
- S446 BMPs for Well, Utility, Directional and Geotechnical Drilling
- S447 BMPs for Roof Vents
- S451 BMPs for Building, Repair, Remodeling, Painting, and Construction
- S452 BMPs for Goose Waste

9. Wetlands Guidance: Appendix I-C (Wetland Protection Guidelines) and Minimum Requirement 8 (Wetlands Protection) have been updated to require monitoring and modeling of high value wetlands, if the project proponent has legal access to them. The 2014 wetland guidance is retained, but refined, for modeling requirements for lower value wetlands (and high value wetlands that the project proponent does not have legal access to).