

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

Proceed to Part 2 for information associated with programs equivalent to Ecology's 2012 *Stormwater Management Manual for Western Washington as Amended in December 2014*.

Part 1:

Ecology determined that the following enforceable documents, including codes, ordinances, director's rules, public rules and/or manuals, are functionally equivalent to Appendix I in the Phase I Municipal Stormwater Permit (effective February 16, 2007) and the required portions of Ecology's 2005 *Stormwater Management Manual for Western Washington*. If Ecology's determination of equivalency is conditioned, the conditions are listed below. Permittees must comply with listed conditions, if applicable, in order to achieve equivalency and comply with associated permit requirements. Links to the documents listed in this appendix can be found on Ecology's website.

A. King County

King County is meeting relevant permit requirements and achieves equivalency with Department of Ecology's 2005 *Stormwater Management Manual for Western Washington* by adopting and implementing the regulations and rules listed below.

1. King County Code Chapter 9.04 Surface Water Runoff Policy, as amended by Ordinance 16264 approved October 20, 2008.
2. King County Code Chapter 9.12 Water Quality, as amended by Ordinance 16264 approved October 20, 2008.
3. King County Code Chapter 16.82 Clearing and Grading.
4. 2009 King County Surface Water Design Manual (SWDM) as amended in agreement with King County Memo *Impervious Surface Percentage Exemption*, March 22, 2010.
5. 2009 King County Stormwater Pollution Prevention Manual (SPPM).
6. King County Code Chapter 21A.24.045 and 318 through 342 Critical Areas¹.

B. City of Seattle

City of Seattle is meeting relevant permit requirements and achieves equivalency with Department of Ecology's 2005 *Stormwater Management Manual for Western Washington* by adopting and implementing the regulations and rules listed below.

1. Seattle Municipal Code chapters 22.800 - 22.808 titled "Stormwater and Drainage Control Code" as adopted in 2009.
2. Seattle Municipal Code chapter 22.170 titled "Grading Code" as adopted in 2009.
3. Joint Seattle Public Utilities (SPU)/Department of Planning and Development (DPD) Directors' Rule titled "Source Control Technical Requirements Manual" as approved by the Director of SPU and the Director of the DPD in 2009.

¹ The wetlands protection requirement (Minimum Requirement #8) is not contained in the SWDM, but rather is satisfied by the wetland protection requirements contained in King County's Critical Areas Code.

4. Joint SPU/DPD Directors' Rule titled "Construction Stormwater Control Technical Requirements Manual" as approved by the Director of SPU and the Director of DPD in 2009.
5. Joint SPU/DPD Directors' Rule titled "Stormwater Flow Control and Water Quality Treatment Technical Requirements Manual" as approved by the Director of SPU and the Director of DPD in 2009.
6. Joint SPU/DPD Directors' Rule titled "Stormwater Code Enforcement Manual" as approved by the Director of SPU and the Director of DPD in 2009.

C. City of Tacoma

City of Tacoma is meeting relevant permit requirements and achieves equivalency with Department of Ecology's *2005 Stormwater Management Manual for Western Washington* by adopting and implementing the regulations and rules listed below.

1. City of Tacoma Surface Water Management Manual (2008) as amended in agreement with "March 16, 2009 Tacoma Letter to Department of Ecology" concluding the Department of Ecology review process.
2. Tacoma Municipal Code Chapter 12.08 Wastewater and Surface Water Management.

D. Pierce County

Pierce County is meeting relevant permit requirements and achieves equivalency with Department of Ecology's *2005 Stormwater Management Manual for Western Washington* by adopting and implementing the regulations and rules listed below.

1. Pierce County Stormwater Management and Site Development Manual (2008), as amended in agreement with "Pierce County's letter to Department of Ecology dated March 6, 2009" concluding the Department of Ecology review process.
2. Pierce County Code Title 11 "Storm Drainage and Surface Water Management" and Title 17A "Construction and Infrastructure Regulations – Site Development and Stormwater Drainage," as amended by Ordinance No. 2008-59s.
3. Pierce County Code Title 18E "Development Regulations-Critical Areas".

E. Clark County

Clark County is meeting relevant permit requirements and achieves equivalency with Department of Ecology's *2005 Stormwater Management Manual for Western Washington* by adopting and implementing the regulations and rules listed below.

1. Clark County Stormwater Manual (2009).²
2. Clark County Stormwater Pollution Control Manual – Best Management Practices for Businesses and Government Agencies (2009).
3. Clark County Stormwater Facility Maintenance Manual (2009).
4. Clark County Code Chapter 40.385 Stormwater and Erosion Control.2
5. Clark County Code Chapter 13.26A Water Quality.
6. Clark County Code Chapter 40.450 Wetland Permits.

² The Washington State Court of Appeals and a federal district court have ruled that Clark County must require use of the historic land cover as the pre-developed condition when determining compliance with Minimum Requirement 7, flow control.

7. Clark County version of the Western Washington Hydrologic Model, dated January 20, 2010 with Conditions:
 - a. Conditions: Validation and calibration of the Clark County hydrology model.
 - i. For validation and possibly recalibration purposes, the County shall collect at least three years of continuous flow records for Mill Creek and Gee Creek in addition to the records used for the initial calibration in a final report submitted to Ecology entitled “Development of Clark County Version of the Western Washington Hydrology Model, January 20, 2010.
 - ii. By October 1, 2010, the County shall contract with an engineering firm of sufficient expertise in HSPF model calibration to develop procedures for collecting the data necessary for model validation. By February 1, 2014, the County shall perform the model validation analysis, and make recommendations for any adjustments to the model parameters.
 - iii. By July 1, 2014, the County shall submit a final report to Ecology including recommendations for any adjustments to the model parameters.
 - b. If the conditions listed in E.7.a are not met, Clark County will use the Western Washington Hydrology Model (2012) (WWHM).
 - i. The conditionally approved model in E.7.a above is approved for use on project applications submitted up to June 30, 2014; beginning July 1, 2014, project applications must use the WWHM.

F. WSDOT Highway Runoff Manual

The Department of Ecology completed its review of the November 2011 Highway Runoff Manual and found that it meets minimum design requirements and best management practices for public road projects equivalent to Ecology’s *2005 Stormwater Management Manuals for Western Washington and Eastern Washington*.

G. Snohomish County

Snohomish County is meeting relevant permit requirements and achieves equivalency with Department of Ecology’s *2005 Stormwater Management Manual for Western Washington* by adopting and implementing the regulations and rules listed below.

1. Snohomish County Code Chapter 30.63A Drainage, effective September 30, 2010
2. Snohomish County Code Chapter 30.63B Land Disturbing Activities, effective September 30, 2010
3. Snohomish County Code Chapter 30.63C Low Impact Development, effective September 30, 2010
4. Snohomish County Drainage Manual, Volumes I through V, September 2010
5. Snohomish County Engineering Design and Development Standards, Chapters 1 and 5, 2010

Part 2:

Ecology determined that the following enforceable documents, including codes, ordinances, director's rules, public rules and/or manuals, are functionally equivalent to Appendix I in the Phase I Municipal Stormwater Permit (effective August 1, 2013) and the required portions of Ecology's 2012 *Stormwater Management Manual for Western Washington as Amended in December 2014*. If Ecology's determination of equivalency is conditioned, the conditions are listed below. Permittees must comply with listed conditions, if applicable, in order to achieve equivalency and comply with associated permit requirements. Links to the documents listed in this appendix can be found on Ecology's website.

A. King County

King County is meeting permit requirements S5.C.5.a.i. and S5.C.5.a.ii, and achieves equivalency with Ecology's 2012 *Stormwater Management Manual for Western Washington as Amended in December 2014* by adopting and implementing the regulations and rules listed below.

1. King County Code Chapter 9.04 and Chapter 9.12 as amended by Ordinance 18257, adopted on March 15, 2016.
2. King County Code Chapter 16.82
3. 2016 Surface Water Design Manual, including appendices and references, adopted by Public Rule PUT 8-3-5 on March 25, 2016 and effective April 24, 2016.
4. 2016 Stormwater Pollution Prevention Manual, adopted by Public Rule PUT 8-8-3 on March 25, 2016 and effective April 24, 2016.

B. City of Seattle

City of Seattle is meeting permit requirements S5.C.5.a.i. and S5.C.5.a.ii, and achieves equivalency with Ecology's 2012 *Stormwater Management Manual for Western Washington as Amended in December 2014* by adopting and implementing the regulations and rules listed below.

1. Seattle Municipal Code Chapters 22.800 – 22.808 titled “Stormwater Code” as adopted in September 2015 (Ordinance 124872).
2. Joint Seattle Public Utilities (SPU)/Department of Planning and Development (DPD) Directors' Rule titled “Stormwater Manual” (Directors Rule SPU DWW-200/DPD 21-2015) effective January 1, 2016. (Note that Seattle Department of Construction and Inspections (SDCI), a successor department to DPD, has assumed DPD's role with respect to Seattle's Stormwater Code and Stormwater Manual, effective January 1, 2016.)

C. City of Tacoma

City of Tacoma is meeting permit requirements S5.C.5.a.i. and S5.C.5.a.ii, and achieves equivalency with Ecology's 2012 *Stormwater Management Manual for Western Washington as Amended in December 2014* by adopting and implementing the regulations and rules listed below.

1. Tacoma Municipal Code Chapter 12.08 Wastewater and Surface Water Management as effective on November 24, 2015.

2. The “City of Tacoma Stormwater Management Manual 2016 Edition,” as submitted to Ecology on December 7, 2015 in accordance with Tacoma’s communication “City of Tacoma SWMM and Ordinance.”

D. Pierce County

Pierce County is meeting permit requirements S5.C.5.a.i. and S5.C.5.a.ii, and achieves equivalency with Ecology’s *2012 Stormwater Management Manual for Western Washington as Amended in December 2014* by adopting and implementing the regulations and rules listed below.

1. Pierce County Code Title 17A, as effective on December 5, 2015.
2. Pierce County Code Title 17B as effective on December 5, 2015.
3. Pierce County Stormwater Management Manual and Site Development Manual as effective December 5, 2015.
4. Pierce County Memorandum “Policy to buy into regional stormwater ponds” as effective October 27, 2015.

E. Clark County

Clark County is meeting permit requirements S5.C.5.a.i. and S5.C.5.a.ii, and achieves equivalency with Ecology’s *2012 Stormwater Management Manual for Western Washington as Amended in December 2014* by adopting and implementing the regulations and rules listed below.

1. Clark County Municipal Code Chapter 13.26A, as effective on January 8, 2016.
2. Clark County Municipal Code Chapter 40.386 as effective on January 8, 2016.
3. Clark County Stormwater Manual, Books 1 through 4 as effective January 8, 2016.
 - a. This manual references a Clark County-specific calibration of an HSPF-based continuous runoff model. That calibration was verbally approved by Ecology on November 2, 2015 and accepted by Clark County in a December 29, 2015 letter. The approved calibration was incorporated as part of WWHM2012 version 4.2.12, released February 25, 2016.

F. WSDOT Highway Runoff Manual

The Department of Ecology completed its review of the *2014 Washington State Department of Transportation Highway Runoff Manual* (The 2014 HRM) and found that it meets design requirements and best management practices for public road projects equivalent to Ecology's *2012 Stormwater Management Manual for Western Washington as Amended in December 2014* and *2004 Stormwater Management Manual for Eastern Washington*.

G. Snohomish County

Snohomish County is meeting permit requirements S5.C.5.a.i. and S5.C.5.a.ii, and achieves equivalency with Ecology’s *2012 Stormwater Management Manual for Western Washington as Amended in December 2014* by adopting and implementing the regulations and rules listed below.

1. Snohomish County Code Chapter 30.63A as amended by Ordinance No. 15-102, adopted on January 11, 2016.

2. Snohomish County Code Chapter 30.63B as amended by Ordinance No. 15-103 adopted on January 11, 2016
3. Snohomish County Drainage Manual, January 2016, Volumes I through V.
4. Snohomish County Engineering Design and Development Standards, as adopted January 22, 2016, Chapters 1, 5, and 11.