



2020 NPDES Permit Update & **Stormwater Management Program**

Don McQuilliams | Utilities Operations Manager
February 6, 2020



WESTERN WASHINGTON PHASE II MUNICIPAL STORMWATER PERMIT

A FEDERAL CLEAN WATER ACT
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) AND
WASHINGTON STATE WASTE DISCHARGE GENERAL PERMIT

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City of Bellevue, Washington
NPDES ANNUAL REPORT
DRAFT 2020 STORMWATER
MANAGEMENT PROGRAM
2019 COMPLIANCE

January 2020



Direction for today

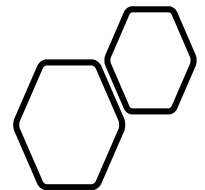
Seeking feedback on the 2020
Stormwater Management Program
(SWMP)

THE DRAIN IS JUST FOR RAIN



Agenda

- History of the NPDES permit
- Changes in the 2019-2024 permit
- The 2020 SWMP
- Public meeting



Stormwater Management Program (SWMP) Plan

- Required to be updated annually.
- The SWMP covers the 5 year permit term (2019-2024).
- Provide opportunity for Public Involvement & Participation.
- Provides guidance to staff on permit requirements.
- Provides an outline to the public on how we manage our NPDES obligations.

History of the NPDES permit

National Pollutant Discharge and Elimination
System

City of Bellevue NPDES History

- 1st permit issued in 2007 – based on 1990 census. Bellevue is a Phase II permittee.
- 5-year permit term that allows for stormwater discharge to Waters of the State.
- Issued by the Department of Ecology under the Federal Clean Water Act
- Progressive - building off the previous permit conditions.
- Reissued in 2013 and again in 2019. Each had a one year extension.
- Current WW Phase I/II NPDES permits are under appeal by Puget Soundkeeper Alliance. Bellevue has elected to intervene.

Significant changes

2019-2024 Permit Term

Changes from 2013-2019 permit term to the 2019- 2024 permit term.

Stormwater Planning

- Identify & prioritize watersheds/drainage basins.
- Create a Stormwater Management Action Plan (SMAP) for one basin.
- Likely that we will be required to implement the SMAP next permit cycle.

Source Control

- New inspection, education and enforcement program.
- Dedicated resources – estimated at 2 new FTE's.
- Designed to reduce potential pollutants from entering the stormwater system.



Stormwater
Management
Program



2020 SWMP

2020 SWMP Plan

- Formatting follows the permit.
- Each section indicates the requirements, current activities & future actions.
- Guidance document for staff & interested parties.
- Updated annually no later than March 31st.
 - Submitted to Ecology with Annual Report.

SWMP Administration

S5.A - SWMP Administration – 2019-2024 Planned Activities		
<u>Activity</u>	<u>Due Date</u>	<u>Status/Notes</u>
SWMP preparation, updates and annual submittal with the Annual Report.	Annually - March 31st	
Submit the annual report electronically using Ecology's Water Quality Permitting Portal (WQWebPortal).	Annually - March 31st	
Permittees shall include a written description of internal coordination mechanisms in the Annual Report due no later than March 31, 2021.	March 31, 2021	

Stormwater Planning

S5.C.1 – Stormwater Planning – 2019-2024 Planned Activities		
<u>Activity</u>	<u>Due Date</u>	<u>Status/Notes</u>
Convene an interdisciplinary team to inform and assist in the development, progress and influence of this program.	August 1, 2020	
On or before March 31, 2021, the Permittee shall respond to the series of Stormwater Planning Annual Report Questions to describe how anticipated stormwater impacts on water quality were addressed, if at all, during the 2013-2019 permit term.	March 31, 2021	
On or before January 1, 2023, the Permittee shall respond to the series of Stormwater Planning Annual Report Questions to describe how anticipated stormwater impacts on water quality are currently being addressed.	January 1, 2023	
By March 31, 2022, submit a watershed inventory and include a brief description of the relative conditions of the receiving waters and the contributing areas.	March 31, 2022	
No later than June 30, 2022, document the prioritized and ranked list of receiving waters.	June 30, 2022	
Stormwater Management Action Plan (SMAP) - No later than March 31, 2023, Permittees shall develop a SMAP for at least one high priority catchment area.	March 31, 2023	

Public Education & Outreach



S5.C.2 – Education and Outreach – 2019-2024 Planned Activities		
<u>Activity</u>	<u>Due Date</u>	<u>Status/Notes</u>
Permittees shall annually select at a minimum one target audience and one subject area as defined in the permit, to provide subject area information to the target audience on an ongoing or strategic schedule.	Ongoing - Annually	Outreach will continue in the form of school programs, tabling at community events, and information in the city's newsletter and utilities bill inserts.
No later than July 1, 2020, each Permittee shall conduct a new evaluation of the effectiveness of an ongoing behavior change campaign and document lessons learned.	July 1, 2020	Because the city discontinued the previous behavior change campaign after evaluation, we will instead share lessons learned from our 2019 Stormwater Runoff Awareness, Attitudes, and Behavior Survey of Residents. Bellevue will develop a strategy and schedule for a new target audience under option 3 in S5.C.2.a.ii.(c)
By February 1, 2021, each Permittee shall follow social marketing practices and methods, similar to community based social marketing and develop a campaign tailored to the community.	February 1, 2021	Planning to help lead regional effort to prevent pollution around commercial dumpster areas.
No later than April 1, 2021, begin to implement the strategy developed.	April 1, 2021	
No later than March 31, 2024, evaluate and report on changes in understanding and adoption of targeted behaviors and any planned or recommended changes to the campaign in order to be more effective.	March 31, 2024	



Public Involvement & Participation

S5.C.3 – Public Involvement & Participation – 2019-2024 Planned Activities		
<u>Activity</u>	<u>Due Date</u>	<u>Status/Notes</u>
<ul style="list-style-type: none">Each Permittee shall post on their website their SWMP Plan and the annual report no later than May 31st each year.	Annually – May 31	

Mapping & Documentation

S5.C.4 – MS4 Mapping & Documentation – 2019-2024 Planned Activities		
<u>Activity</u>	<u>Due Date</u>	<u>Status/Notes</u>
No later than January 1, 2020, begin to collect size and material for all known MS4 outfalls during normal course of business.	January 1, 2020	Ongoing
No later than August 1, 2023, complete mapping of all known connections from the MS4 to a privately-owned stormwater system.	August 1, 2023	
No later than August 1, 2021, the required format for mapping is electronic with fully described mapping standards.	August 1, 2021	Ongoing

Illicit Discharge Detection & Elimination

S5.C.5 – Illicit Discharge Detection & Elimination – 2019-2024 Planned Activities

<u>Activity</u>	<u>Due Date</u>	<u>Status/Notes</u>
All Permittee's shall complete field screening for an average of 12% of the MS4 each year. Permittee's shall annually track total percentage of the MS4 screened beginning August 1, 2019.	August 1, 2019	Ongoing. The City tracks MS4 screening through the Operations and Maintenance inspection program.



Controlling Runoff from New Development, Redevelopment & Construction Sites

S5.C.6 – Controlling Runoff from New Development, Redevelopment & Construction Sites - 2019-2024 Planned Activities

<u>Activity</u>	<u>Due Date</u>	<u>Status/Notes</u>
Each Permittee shall adopt and make effective a local program, no later than June 30, 2022 that meets the requirements set forth in the Permit.	June 30, 2022	The City implemented an ordinance in 2016 that meets the current Permit requirements. (Ord 6321) (See BCC 24.06 & 24.06.065)

Operations & Maintenance

S5.C.7 – Operations & Maintenance - 2019-2024 Planned Activities

<u>Activity</u>	<u>Due Date</u>	<u>Status/Notes</u>
No later than June 30, 2022, Permittees shall update their maintenance standards as necessary to meet the requirements of the Permit.	June 30, 2022	The City has administratively adopted the Stormwater Management Manual for Western Washington as our maintenance standards.
No later than December 31, 2022, document the practices, policies and procedures to reduce stormwater impacts associated with runoff from all lands owned or operated by the Permittee, and road maintenance activities under the functional control of the Permittee.	December 31, 2022	
As necessary, update SWPPPs no later than December 21, 2022 per Permit requirements.	December 21, 2022	

Source Control Program for Existing Development

S5.C.8 – Source Control Program for Existing Development - 2019-2024 Planned Activities

<u>Activity</u>	<u>Due Date</u>	<u>Status/Notes</u>
No later than August 1, 2022, Permittees shall adopt and make effective an ordinance(s), or other enforceable document, requiring the application of source control BMPs for pollutant generating sources associated with existing land uses and activities.	August 1, 2022	
No later than August 1, 2022, Permittees shall establish an inventory that identifies publicly and privately owned institutional, commercial and industrial sites which have the potential to generate pollutants to the MS4.	August 1, 2022	
No later than January 1, 2023, Permittees shall implement an inspection program for identified sites.	January 1, 2023	
No later than January 1, 2023, Permittees shall implement a progressive enforcement policy that requires sites to comply with stormwater requirements within a reasonable timeframe as specified in the Permit.	January 1, 2023	



Questions & Comments

The Stormwater Management Program Plan is available at:

<https://bellevuewa.gov/city-government/departments/utilities/utilities-projects-plans-standards/utilities-plans-and-reports/n-p-d-e-s-stormwater-management-program>

Don McQuilliams | Utilities Operations Manager

dmcquilliams@bellevuewa.gov

425.452.7865



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