



# **2022** NPDES Permit Update & **Stormwater Management Program**

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## 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



City of Bellevue, Washington  
NPDES ANNUAL REPORT  
DRAFT 2022 STORMWATER  
MANAGEMENT PROGRAM PLAN /  
2021 COMPLIANCE REPORT

January 2022



# Direction for today

Seeking feedback on the 2022  
Stormwater Management  
Program (SWMP)

# THE DRAIN IS JUST FOR RAIN



## Agenda

- History of the NPDES permit
- 2019-2024 permit requirements
- The 2022 SWMP
- Public meeting

# City of Bellevue NPDES History

- 1<sup>st</sup> 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.

# 2019-2024 NPDES Phase II Permit Requirements

- S5.C.1 - Stormwater Planning
- S5.C.2 - Public Education and Outreach (E&O)
- S5.C.3 - Public Involvement and Participation
- S5.C.4 – MS4 Mapping and Documentation
- S5.C.5 - Illicit Discharge Detection and Elimination (IDDE)
- S5.C.6 - Controlling Runoff from New Development, Redevelopment, and Construction Sites
- S5.C.7 - Operations and Maintenance (O&M)
- S5.C.8 – Source Control Program for Existing Development
- S8 - Monitoring and Assessment

# Significant changes from previous permits



## 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 – new program and new FTE.

Designed to reduce potential pollutants from entering the stormwater system.

# 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.
- 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 31<sup>st</sup>.
  - Submitted to Ecology with Annual Report.



# SWMP Administration

- Annually prepare and/or update the Stormwater Management Program Plan.
- Submit the annual report to Ecology by March 31st.
- For 2022, we are including language to address Underground Injection Control (UIC) Wells owned or operated by the City
  - Not subject to the NPDES permit unless an overflow results in discharge entering the City Stormwater system
  - Roughly designated as facilities that are deeper than they are wide, and designed to infiltrate.
  - UICs must be registered with the Department of Ecology



# Stormwater Planning

- Convene an interdisciplinary team by August 1, 2020.
  - Our Watershed Management Planning team serves this function
- Respond to the series of Stormwater Planning Annual Report Questions in March 2021 and again in March 2023.
  - Completed in 2021
- Submit a watershed inventory and a brief description of the receiving waters in March of 2022.
  - Under development
- Document the prioritized and ranked list of receiving waters in June of 2022.
  - Under development
- Develop a SMAP for at least one high priority catchment area in March 2023.

# Public Education & Outreach

- Annually select at a minimum one target audience and one subject.
  - Continue our Regional Dumpster maintenance & outreach efforts
- By July 2020, conduct a new evaluation of the effectiveness of an ongoing behavior change campaign.
  - Dumpster Outreach Group (DOG)
- By February 2021, follow social marketing practices and methods.
  - Ongoing
- Implement the strategy developed no later than April 2021.
  - Implemented early 2021
- Evaluate and report on changes in understanding and adoption of targeted behaviors by March 2024.

# Public Involvement & Participation

- Annually invite the public to comment on the SWMP.
  - Today's ESC meeting serves this purpose.
  - The Draft SWMP is also posted to the City website inviting comments as well.
- Post on the City website the SWMP Plan and the annual report no later than May 31<sup>st</sup> each year.

# Mapping & Documentation

- By January 2020, begin to collect size and material for all known MS4 outfalls.
  - Ongoing
- By August 2023, complete mapping of all known connections from the MS4 to a privately-owned stormwater system.
- Format for our mapping is required to electronic with fully described mapping standards by August 2021.
  - The City has fully described mapping standards. Stormwater system information is available to download via GIS Shapefiles on the City website.



# Illicit Discharge Detection & Elimination (IDDE)

- Establish and maintain an ongoing program to prevent, detect, characterize, trace and eliminate illicit connections and discharges.
- Provide training to staff responsible for IDDE activities.
- Complete field screening for an average of 12% of the MS4 each year beginning August 2019.
  - On average, 95%+ of our system is inspected every two years for potential Illicit Discharges.

# Controlling Runoff from New Development, Redevelopment & Construction Sites

- Implement an ordinance or other enforceable mechanism that addresses runoff from development, redevelopment, and construction.
- Adopt and make effective a local program, no later than June 2022 that meets the requirements set forth in the Permit.
  - The City implemented an ordinance in 2016 that meets the current Permit requirements. (Ord 6321) (See BCC 24.06 & 24.06.065)

# Operations & Maintenance

- Ongoing program for inspection and maintenance of stormwater facilities owned, operated or regulated by the City.
- By June 2022, update the Stormwater maintenance standards as necessary to meet the requirements of the Permit
  - The City has administratively adopted the *Stormwater Management Manual for Western Washington* as our maintenance standards.
- By December 2022, document the practices, policies and procedures to reduce stormwater impacts.
  - Under development
- Update Stormwater Pollution Prevention Plans by December 2022.
  - Under review

# Source Control Program for Existing Development

- By August 2022, adopt and make effective an ordinance(s), or other enforceable document, requiring the application of source control BMPs
  - Under review
- Establish a Source Control inventory by August 2022
  - Under development
- Implement an inspection program for identified sites by January 2023
- By January 2023, implement a progressive enforcement policy



# 2021 Compliance Report

- Anticipate to be fully compliant for the 2021 Compliance Report.
- Still gathering final numbers for reporting to Ecology.
- Over 12000 public and private structures/stormwater water facilities were inspected.
- Education and Outreach and training programs continue to be affected by COVID protocols.
- Illicit discharge investigations and private drainage inspection efforts also affected to a lesser scale.

# Questions & Comments

The Stormwater Management Program Plan is available at:

[BellevueWA.gov/Stormwater-Management-Program](https://BellevueWA.gov/Stormwater-Management-Program)

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