



## 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 FINAL 2021 STORMWATER MANAGEMENT PROGRAM PLAN / 2020 COMPLIANCE REPORT

January 2021





## Table of Contents

1. Introduction.....	3
1.1 Overview and Background.....	3
1.2 Permit History.....	4
1.3 2019-2024 Permit Implementation Timeline.....	4
1.4 NPDES Annual Report.....	6
1.5 Department Responsibilities.....	6
1.6 2019 SWMP Plan Organization .....	7
2. Stormwater Management Program administration .....	8
2.1 Permit Requirements.....	8
3. Stormwater Planning.....	11
3.1 Permit Requirements.....	11
4. Public Education and Outreach .....	13
4.1 Permit Requirements.....	13
5. Public Involvement and Participation.....	16
5.1 Permit Requirements.....	16
6. MS4 Mapping and Documentation .....	18
6.1 Permit Requirements.....	18
7. Illicit Discharge Detection and Elimination.....	20
7.1 Permit Requirements.....	20
8. Controlling Runoff from New Development, Redevelopment and Construction Sites .....	23
8.1 Permit Requirements.....	23
9. Operations and Maintenance.....	25
9.1 Permit Requirements.....	25
10. Source Control Program for Existing Development.....	27
10.1 Permit Requirements.....	27
11. Monitoring and Assessment .....	29
11.1 Permit Requirements.....	29
12. 2019 Annual Report.....	<b>Error! Bookmark not defined.</b>



# CITY OF BELLEVUE

## 2021 STORMWATER MANAGEMENT PROGRAM PLAN

---

### 1. INTRODUCTION

#### 1.1 Overview and Background

The National Pollutant Discharge Elimination System (NPDES) permit program is a requirement of the federal Clean Water Act, which is intended to protect water quality and restore waters for “fishable, swimmable” uses. The federal Environmental Protection Agency (EPA) delegated permit authority to state environmental agencies. In Washington, the NPDES-delegated permit authority is the Washington State Department of Ecology (Ecology). The NPDES permit also implements relevant provisions of Washington State’s Water Pollution Control Law.

Municipalities with a population of more than 100,000 (based on the 1990 census) were designated as Phase I communities and must comply with Ecology’s Phase I NPDES Municipal Stormwater Permit as operators of large municipal separate storm sewer systems (MS4s). Municipalities with populations of less than 100,000 (based on the 1990 census) were designated as Phase II communities and must comply with Ecology’s Western Washington Phase II NPDES Municipal Stormwater Permit as operators of small and medium MS4s. More than 80 small and medium cities, including the City of Bellevue and urban portions of 5 counties in western Washington, must comply with the Phase II Permit.

The Permit authorizes the discharge of Stormwater runoff from municipal drainage systems into the state’s surface waters (i.e., streams, rivers, lakes, wetlands, etc.) and groundwater as long as municipalities implement Permit-specified “best management practices” (BMPs). These BMPs are intended to protect water quality and reduce the discharge of “non-point source” pollutants to the “maximum extent practicable” (MEP). In addition, BMPs are intended to meet state AKART (all known, available, and reasonable methods of prevention, control, and treatment) waste discharge requirements.

The BMPs specified in the Permit are collectively referred to as the Stormwater Management Program (SWMP or Program) and grouped under the following Program components:

- 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

As a programmatic permit, the components work together to ensure protection of water quality in our streams, lakes, wetlands, and groundwater. In addition, the Permit requires reporting and, if applicable, implementation of waterbody-specific cleanup plans developed by Ecology (aka Total Maximum Daily Loads or TMDLs). To date, Ecology has not developed such plans for Bellevue water bodies.

Permit conditions are phased in over the initial 5-year Permit term. The current permit term is from August 2019 through July 2024. The Permit requires the City to report annually (March 31 of each year) on progress in program



implementation for the prior year through a compliance report. The Permit also requires submittal of documentation that describes proposed SWMP activities for the coming year. Ecology revises and reissues the Permit at the end of the permit term.

## 1.2 Permit History

Ecology issued Washington's first Phase II Municipal Stormwater Permit to Western Washington municipalities in 2007. Ecology issued it as one general permit with the general permit conditions applicable to all Phase II municipalities in Western Washington, including Bellevue. The Phase II Permit was appealed by several parties and the permit was modified June 17, 2009, in response to the state Pollution Control Hearings Board appeal rulings.

In August 2012, Ecology extended the first Permit to July 31, 2013, issued a 5-year Permit (2013–2018) effective August 1, 2013, and also issued a new 2012 Ecology *Stormwater Management Manual for Western Washington* (2012 Ecology Manual, revised in 2014), which contained Stormwater requirements for new development, redevelopment, and construction sites. In fall of 2017, Ecology extending the existing permit from expiration in 2018 to August of 2019.

Early 2019, Ecology issued a draft permit for the 2019-2024 timeframe. Comments were solicited by Ecology and a new permit was issued July 1, 2019 with an effective permit term of August 1, 2019 - July 31, 2020. The 2019-2024 Permit retains the previous Permit's SWMP structure and phased implementation approach. It continues and builds upon prior Permit Program requirements by increasing certain Permit requirements and adding new ones.

The current 2019-2024 Permit is currently under appeal to the state Pollution Control Hearings Board.

The current 2019-2024 Western Washington Phase II Municipal Stormwater Permit and 2019 Ecology Stormwater Management Manual are available on Ecology's Web site at:

- <https://ecology.wa.gov/Regulations-Permits/Permits-certifications/Stormwater-general-permits/Municipal-stormwater-general-permits/Western-Washington-Phase-II-Municipal-Stormwater>

## 1.3 2019-2024 Permit Implementation Timeline

The 2019-2024 Permit requirements are phased in over the course of the Permit term. Permit requirements and key compliance dates are described here.

**March 31st Annually** Stormwater Management Program Administration. Submit the annual report electronically using Ecology's Water Quality Permitting Portal (WQWebPortal).

**August 15th Annually** Monitoring and Assessment. Pay Bellevue's \$65,805 fee for participating in the collectively funded Regional Stormwater Monitoring Program (RSMP) to Ecology by August 15th annually.

**January 1, 2020** -MS4 Mapping and Documentation

- S5.C.4.b.i Begin to collect size and material for all known MS4 Outfalls during normal course of business and update records

**July 1, 2020** -Public Education and Outreach

- S5.C.2.a.ii.(b) each Permittee shall conduct a new evaluation of the effectiveness of an ongoing behavior change campaign. Permittee shall document lessons learned and recommendations for which option to select.

**August 1, 2020** -Stormwater Planning



- S5.C.1.a Each Permittee shall convene an inter-disciplinary team to inform and assist in the development, progress and influence of this program.

**February 1, 2021 -Public Education and Outreach**

- S5.C.2.a.ii.(c) Based on recommendation form S5.C.2.a.ii.(b), each Permittee shall follow social marketing practices and methods, similar to community-based social marketing and develop a campaign that is tailored to the community, including development of a program evaluation plan.

**March 31, 2021 -Coordination & Stormwater Planning**

- S5.A.5.b. Permittees shall include a written description of internal coordination mechanisms in the Annual Report.
- S5.C.1.b.(a) the Permittee shall respond to the series of Stormwater Planning annual Report questions to describe how anticipated stormwater impacts on water quality were addressed.

**April 1, 2021 -Public Education & Outreach**

- S5.C.2.a.ii.(d) begin to implement the strategy developed in S5.C.2.a.ii.(c) Social Marketing.

**August 1, 2021 -MS4 Mapping and Documentation**

- S5.C.4.c. the required format for mapping is electronic with fully described mapping standards.

**January 1, 2022 -Controlling Runoff from New Development**

- Each Permittee shall adopt and make effective a local program, that meets the requirements of S5.C.6.b(ii). Shall apply to all applications submitted Prior to the above date.

**March 31, 2022 -Stormwater Planning**

- S5.C.1.d.i. Permittees shall submit a watershed inventory and include a brief description of the relative conditions of the receiving waters and the contributing areas.

**June 30, 2022 -Receiving Water Prioritization**

- S5.C.1.ii The Permittee shall document the priority ranking process used to identify high priority receiving waters.

**June 30, 2022 -Controlling Runoff from New Development**

- Each Permittee shall adopt and make effective a local program, that meets the requirements of S5.C.6.b(i) through (iii).

**July 1, 2022 -Controlling Runoff from New Development**

- Each Permittee shall adopt and make effective a local program, that meets the requirements of S5.C.6.b(i). Shall apply on or after above date.
- Each Permittee shall adopt and make effective a local program, that meets the requirements of S5.C.6.b(iii). Shall apply prior to above date, that have not started construction by July 1<sup>st</sup>, 2027.

**August 1, 2022 -Source Control Program for Existing Development**

- S5.C.8.b(i) Permittees shall adopt and make effective an ordinance(s), or other enforceable document(s), requiring the application of source control BMP's
- S5.C.8.b(ii) Permittees shall establish an inventory that identifies publicly and privately owned institutional, commercial and industrial sites which have potential to generate pollutants to the MS4.

**December 31, 2022 -Operations and Maintenance**

- S5.C.7.f I implement a Stormwater Pollution Prevention Plan (SWPPP) for all heavy equipment maintenance or storage yards, and material storage facilities owned or operated by the Permittee



**January 1, 2023 -Source Control Program for Existing Development**

- S5.C.8.b(iii) Permittees shall implement an inspection program for sites identified pursuant to S5.C.8.b(ii).
- S5.C.8.b(iv) Permittees shall implement a progressive enforcement policy that requires sites to comply with stormwater requirements within a reasonable time period.

**January 1, 2023 -Stormwater planning**

- S5.C.1.b.i.(b) The Permittee shall submit a report responding to the same questions included in S5.C.1.b.i.(a) to describe how water quality is being addressed.

**March 31, 2023 -Stormwater Management Action Plan (SMAP)**

- S5.C.1.d.iii Permittees shall develop a SMAP for at least one high priority catchment area from S5.C.1.d.ii that identifies a description of stormwater facility retrofits, land management development strategies and targeted, enhanced or customized implementation of stormwater management actions.

**August 1, 2023 -MS4 Mapping and Documentation**

- S5.C.4.b.ii Complete mapping of all known connections from the MS4 to a privately owned stormwater system.

**March 31, 2024 -Public Education and Outreach**

- S5.C.2.a.ii.(e) Evaluate and report on the changes in understanding and adoption of targeted behaviors resulting from the implementation of the strategy and any planned or recommended changes to the campaign in order to be more effective; describe the strategies and process to achieve the results.

## **1.4 NPDES Annual Report**

As noted above, the Permit requires submittal to Ecology of an Annual Report by March 31 of each year of the Permit term. The NPDES Annual Report consists of the following documents:

- **Storm Water Management Program (SWMP)**, which is developed by the City and summarizes the continuing/current and planned City-wide Permit implementation activities to assure continued permit compliance for the coming year (2021).
  - Appendix A contains acronyms for City departments and Permit and SWMP acronyms and definitions.
  - Appendix B contains the 2020 Compliance Report.
- **Compliance Report**, which is a specific “fill in the blanks” spreadsheet provided by Ecology and documents the City’s Permit compliance activities for the preceding calendar year (2020). The Compliance Report is very prescriptive and is completed administratively by city-wide staff at the end of the calendar year.

## **1.5 Department Responsibilities**

The Permit requirements affect departments across the City organization. To encourage collaboration and efficient use of resources, the City’s NPDES Coordinator works closely with member of affected Departments to ensure NPDES Permit requirements are within compliance and to obtain information necessary to submit the annual compliance report. The affected departments include Utilities, Development Services Department (DSD), Information Technology (IT), Civic Services, Fire, Planning and Community Development (PCD), City Attorney’s Office (CAO), Finance, Parks and Community Services (Parks), Transportation (Trans.), Police, City Clerk’s Office, and the City Manager’s Office (CMO).



## 1.6 2021 SWMP Plan Organization

This SWMP Plan describes the:

- Permit requirements;
- Continuing/current programs and activities; and,
- Planned activities to maintain compliance and implement new activities in 2021.

The content in this SWMP Plan is based on Permit requirements and is organized similar to the Permit:

- **Section 2** addresses Permit requirements for administration of the City's SWMP for 2021.
- **Section 3** addresses Permit requirements for Stormwater Planning for 2021.
- **Section 4** addresses Permit requirements for Public E&O for 2021.
- **Section 5** addresses Permit requirements for Public Involvement and Participation for 2021.
- **Section 6** addresses Permit requirements for MS4 Mapping for 2021.
- **Section 7** addresses Permit requirements for IDDE for 2021.
- **Section 8** addresses Permit requirements for Controlling Runoff from New Development, Redevelopment, and Construction sites for 2021.
- **Section 9** addresses Permit requirements for Municipal O&M for 2021.
- **Section 10** addresses Permit requirements for the Source Control for 2021.
- **Section 11** addresses Permit requirements for the Monitoring and Assessment for 2021.
- **Section 12** is a copy of the 2020 Annual Compliance Report submitted to Ecology.

Each section (excluding Section 12) includes a summary of the relevant Permit requirements and a description of continuing/current and planned compliance activities.



# CITY OF BELLEVUE

## 2021 STORMWATER MANAGEMENT PROGRAM PLAN

---

## 2. STORMWATER MANAGEMENT PROGRAM ADMINISTRATION

### 2.1 Permit Requirements

The Permit (Section S5.A) requires the City to:

Develop and implement a Stormwater Management Program (SWMP). A SWMP is a set of actions and activities comprising the components list in section S5 and any additional action necessary, to meet the requirements of applicable TMDL's pursuant to *S7 – Compliance with Total Maximum Daily Load Requirements* and *S8 – Monitoring and Assessment*.

- At a minimum, the Permittee's SWMP shall be implemented throughout the geographic area subject to the Permit.
- Each Permittee shall prepare written documentation of the SWMP, called the SWMP Plan. The SWMP shall be organized according to the program components in S5.C and shall be updated at least annually for submittal with the Permittee's annual reports to Ecology. The SWMP Plan shall be written to inform the public of the planned SWMP activities for the upcoming calendar year, and shall include a description of:
  - Planned activities for each of the program components included in S5.C.
  - Any additional planned actions to meet the requirements of applicable TMDL's pursuant to *S7 – Compliance with Total Maximum Daily Load Requirements*
    - The City does not have any applicable TMDL's currently.
  - Any additional planned actions to meet the requirements of *S8 – Monitoring and Assessment*.
    - See section 11 – Monitoring and Assessment.
- The SWMP shall include an ongoing program for gathering, tracking, maintaining and using information to evaluate SWMP development, implementation, permit compliance and to set priorities.
  - Each Permittee shall track the cost or estimated cost of development and implementation of each component of the SWMP.
    - Costs are tracked within each program area by the program manager.
  - Each Permittee shall track the number of inspections, follow-up actions as a result of inspections, official enforcement actions and types of public education activities as required by the respective program component.
    - Inspections, follow up actions and enforcement actions are tracked within each program area by the program manager.
- Permittees shall continue implementation of existing stormwater management programs until they begin implementation of the updated program.
  - The 2020 SWMP remains in effect until the 2021 SWMP is implemented.



- Coordination among entities covered under municipal stormwater NPDES permits may be necessary to comply with certain conditions of the SWMP.
  - Clarify roles and responsibilities for the control of pollutants between physically interconnected MS4s covered by a municipal stormwater permit.
    - Staff are in regular communications with neighboring municipal staff where pollutants have or have the potential to cross jurisdictional boundaries.
  - Coordinate stormwater management activities for shared water bodies, or watersheds among Permittees.
    - As Watershed Planning efforts continue, watershed that cross jurisdictional boundaries will be discussed with neighboring Permittees as applicable.
- Include coordination mechanisms among departments within each jurisdiction to eliminate barriers to compliance with the terms of the Permit.
  - Permittees shall include a written description of internal coordination mechanisms in the Annual Report due no later than March 31, 2021.

<b>S5.A - SWMP Administration – 2019-2024 Planned Activities</b>		
<b><u>Activity</u></b>	<b><u>Due Date</u></b>	<b><u>Status/Notes</u></b>
SWMP preparation, updates and annual submittal with the Annual Report.	Annually - March 31st	The SWMP is prepared annually in January-February and submitted to Ecology with the annual compliance report on or before March 31 <sup>st</sup> .
Submit the annual report electronically using Ecology's Water Quality Permitting Portal (WQWebPortal).	Annually - March 31st	The annual report is prepared in January-February annually and submitted to Ecology on or before March 31 <sup>st</sup> .
Permittees shall include a written description of internal coordination mechanisms in the Annual Report due no later than March 31, 2021.	March 31, 2021	To encourage collaboration and efficient use of resources, the City's NPDES Coordinator works closely with member of affected Departments to ensure NPDES Permit requirements are within compliance and to obtain information necessary to submit the annual compliance report. The affected departments include Utilities, Development Services Department (DSD), Information Technology (IT), Civic Services, Fire, Planning and Community Development



		(PCD), City Attorney's Office (CAO), Finance, Parks and Community Services (Parks), Transportation (Trans.), Police, City Clerk's Office, and the City Manager's Office (CMO).
--	--	--



# CITY OF BELLEVUE

## 2021 STORMWATER MANAGEMENT PROGRAM PLAN

---

### 3. STORMWATER PLANNING

#### 3.1 Permit Requirements

The Permit (Section S5.C.1) requires the City to:

Implement a Stormwater Planning program to inform and assist in the development of policies and strategies as water quality management tools.

- Convene an inter-disciplinary team to inform and assist in the development, progress and influence of this program.
  - The interdisciplinary team is to be established by August 1, 2020.
- Coordinate long-range plan updates. Describe how stormwater management needs and protection/improvement of receiving water health are (or are not) informing the planning update processes and influencing policies and implementation strategies in Bellevue.
  - 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.
  - 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.
- Continue Low Impact Development code-related requirements to make LID the preferred and commonly used approach to site development.
  - The City has made LID the preferred and commonly-used approach to site development per the SWMMWW standards. Local development-related codes, rules, standards or other enforceable documents are designed to minimize impervious surfaces, native vegetation loss, and stormwater runoff in all types of development situations, where feasible.
- Stormwater Management Action Planning.
  - Receiving Water Assessment - Permittees shall document and assess existing information related to their local receiving waters and contributing area conditions to identify which receiving waters are most likely to benefit from stormwater management.
    - 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.
      - The City established an inventory of 26 defined drainage basins. A Watershed Scale Planning Effort is currently underway to further evaluate the benefits of a Watershed Based management approach with the City.
  - Receiving Water Prioritization – Develop and implement a prioritization method and process to determine which receiving waters will receive the most benefit from implementation of stormwater facility retrofits, tailored implementation of SWMP actions and other land/development management actions.
    - No later than June 30, 2022, document the prioritized and ranked list of receiving waters.
      - This is an identified task within the Watershed Management Planning efforts that are currently underway.



- Stormwater Management Action Plan (SMAP) - No later than March 31, 2023, Permittees shall develop a SMAP for at least one high priority catchment area that identifies:
  - A description of the stormwater facility retrofits needed for the area, including BMP types and preferred locations.
  - Land management/development strategies and/or actions identified for water quality management.
  - Targeted, enhanced, or customized implementation of stormwater management actions.
    - This is an identified task within the Watershed Management Planning efforts that are currently underway. More details will be provided as the planning efforts continue.

<b>S5.C.1 – Stormwater Planning – 2019-2024 Planned Activities</b>		
<b><u>Activity</u></b>	<b><u>Due Date</u></b>	<b><u>Status/Notes</u></b>
Convene an interdisciplinary team to inform and assist in the development, progress and influence of this program.	August 1, 2020	The City has a Watershed Management Team that serves to meet this requirement. A portion of the team's work is to respond to Stormwater Planning questions and prepare necessary documentation.
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	See the Annual Report in Section 12 of the SWMP; questions 6-13.
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	To be evaluated in 2022
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	The City has an existing watershed inventory of 26 drainage basins. Further refinement is under development.
No later than June 30, 2022, document the prioritized and ranked list of receiving waters.	June 30, 2022	To be developed in 2022 as part of the Watershed Management Plan.
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	To be developed in 2022/2023 as part of the Watershed Management Plan.



# CITY OF BELLEVUE

## 2021 STORMWATER MANAGEMENT PROGRAM PLAN

---

### 4. PUBLIC EDUCATION AND OUTREACH

#### 4.1 Permit Requirements

The Permit (Section S5.C.2) requires the City to:

Continued implementation of an education and outreach program designed to build general awareness about methods to address and reduce impacts from stormwater runoff, effect behavior change to reduce or eliminate behaviors and practices that cause or contribute to adverse stormwater impacts and create stewardship opportunities that encourages community engagement in addressing the impacts from stormwater runoff.

- Each Permittee shall implement an education and outreach program for the area served by the MS4.
  - General Awareness - 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.
    - The target audience for 2021 is the General Public including overburdened communities, schools and businesses in the subject area of general impacts of stormwater on surface waters, including impacts from impervious surfaces.
  - Behavior Change – Permittees shall select, at a minimum, one target audience and one BMP from a defined list within the Permit.
    - 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.
      - Ecology provides and option to forgo this requirement if the City opts to develop a strategy and schedule for a new target audience and BMP behavior change campaign.
      - Bellevue is participating in a regional effort to effect behavior change around the maintenance and operation of dumpsters and their contribution to leaching pollutants into stormwater systems.
    - 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.
      - A campaign has been developed around the maintenance and operation of dumpsters as a contribution to pollutants entering stormwater systems.
    - No later than April 1, 2021, begin to implement the strategy developed.
      - The dumpster outreach campaign is in the early pilot stage of implementation as of February 15, 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.
  - Stewardship – Each Permittee shall provide and advertise stewardship opportunities and/or partner with existing organizations to encourage residents to participate in activities or events planned and organized within the community, such as: stream teams, storm drain marking, volunteer monitoring, riparian plantings, and education activities.



- Then City of Bellevue has an active Stream Team that participate in salmon and peamouth observation and general stream health. An active Storm Drain Marking Program funded through Utilities. Riparian planting efforts utilizing volunteers and City staff throughout the year through our Parks Department and various education opportunities focused on stormwater and stream health that target our schools and community events.

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	<p>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.</p> <p>Bellevue will develop a strategy and schedule for a new target audience under option 3 in S5.C.2.a.ii.(c)</p> <p>Bellevue has joined with regional partners to support outreach for management of solid waste dumpsters at commercial dumpster areas.</p>
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	A pilot rollout of commercial dumpster awareness targeting 2 businesses will be implemented by April 1 <sup>st</sup> , 2021 followed by a more aggressive schedule to 10-20 businesses.



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	To be developed following implementation of the dumpster outreach strategy.
--	----------------	---



# CITY OF BELLEVUE

## 2021 STORMWATER MANAGEMENT PROGRAM PLAN

---

### 5. PUBLIC INVOLVEMENT AND PARTICIPATION

#### 5.1 Permit Requirements

The Permit (Section S5.C.3) requires the City to:

Provide ongoing opportunities for public involvement and participation through advisory councils, public hearings, watershed committees, participation in developing rate-structures or other similar activities.

- Permittees shall create opportunities for the public, including overburdened communities, to participate in the decision-making processes involving the development, implementation and update of the Permittee's SMAP and SWMP.
  - The City posts the draft SWMP on the City website, typically by mid-January of each year, inviting the public to submit comments to the NPDES Coordinator.
  - The City holds a Public Meeting at the Environmental Services Commission (ESC) meeting, typically on the first Thursday of February, inviting comments from the public and the ESC. The Public meeting is posted in local newspapers and on the City Website ahead of the ESC scheduled meeting.
- Each Permittee shall post on their website their SWMP Plan and the annual report no later than May 31<sup>st</sup> each year.

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"><li>• Each Permittee shall post on their website their SWMP Plan and the annual report no later than May 31<sup>st</sup> each year.</li></ul>	Annually – May 31	<p>The draft SWMP is posted for comment in mid to late January annually. A Public Hearing is held annually at the City's Environmental Services Commission meeting in February.</p> <p>The final SWMP is included in the submittal to Ecology and is posted to the City website along with the annual report on or before May 31<sup>st</sup> annually. Typically, this occurs in late March-early April.</p>



Comments received at the 2/4/2021 Public Meeting:

Regarding Public Involvement & Participation, Commissioner Zhuang asked how many public individuals participate in the process. Operations Manager McQuilliams replied that it is very few. Commissioner Zhuang recommended a specific social media marketing plan to help people recognize the importance of the topic. Operations Manager McQuilliams replied that the response to this section is different than the social media marketing aspect. The social media activity is very high, but the response to this particular plan is low. He indicated that they might be able to step up marketing efforts to increase participation.

Commissioner Hines asked how many public tips they receive about illicit discharge. Operations Manager McQuilliams replied that they respond to about 300+ spills in the community. These tips come from various sources, but a lot of them are from the public.

Commissioner Zhuang asked if the Source Control Program includes the source control of events like salt from the snow events. Operations Manager McQuilliams noted there is already a program to pick up salt after snowstorms. The Source Control Program will put more light on where and how those materials are stored so there is not the potential to pollute in a rain or snow event. Commissioner Zhuang asked about source control of fertilizer for the golf courses. Operation Manager McQuilliams replied that the golf courses will be part of this program to make sure those materials are stored safely. The City's approach is to work with organizations and residents to achieve voluntary compliance.

Commissioner Wan asked about the likelihood that the City could be moved into Phase 1 due to the population increase in Bellevue. Mr. McQuilliams explained that DOE plans on getting rid of Phase 1 and Phase 2 permits and having just one permit. Commissioner Wan also asked what areas of concern there are about not meeting compliance requirements. Mr. McQuilliams stated that they will meet all the permit requirements.

Commissioner Khanloo asked about how the ESC could help increase public involvement. Operations Manager McQuilliams indicated he could check with staff and get back to the Commission with any ideas.

Commissioner Hines asked what percentage of stormwater discharge is from streets or untreated impervious surfaces. Operations Manager McQuilliams commented that the vast majority of the water in the stormwater system comes from untreated sources and is unfiltered. Commissioner Hines referred to a study showing the dust from tires is lethal to salmon and the importance of filtering it or allowing it to settle. Operations Manager McQuilliams indicated that the City is aware of this and is working with Ecology to find ways to address it.



# CITY OF BELLEVUE

## 2021 STORMWATER MANAGEMENT PROGRAM PLAN

---

### 6. MS4 MAPPING AND DOCUMENTATION

#### 6.1 Permit Requirements

The Permit (Section S5.C.4) requires the City to:

Implement an ongoing program for mapping and documenting the MS4.

- Ongoing Mapping – Each Permittee shall maintain mapping data for the features listed below:
  - Known MS4 outfalls and discharge points.
  - Receiving waters.
  - Stormwater treatment and flow control BMP's/facilities owned or operated by the Permittee.
  - Geographic areas served by the Permittee's MS4 that do not discharge stormwater to surface waters.
  - Tributary conveyance to all known outfalls and discharge points with a 24-inch diameter or equivalent.
  - Connections between MS4 owned or operated by the Permittee and other municipalities or public entities.
  - All connections to the MS4 authorized or allowed by the Permittee after February 16, 2007.
    - The City maintains mapping data that meet the requirements of the Permit. Mapping data is available to the public through the City's online GIS portal.
- New mapping requirements for the 2019-2024 permit:
  - No later than January 1, 2020, begin to collect size and material for all known MS4 outfalls during normal course of business.
    - The City has been collecting size and material for all known MS4 features including outfalls.
  - No later than August 1, 2023, complete mapping of all known connections from the MS4 to a privately-owned stormwater system.
- No later than August 1, 2021, the required format for mapping is electronic with fully described mapping standards.
  - The City maintains GIS based electronic mapping data for the MS4 and will continue to update the data as new information comes available. GIS data is available online through the City's GIS portal.
  - The City is in the process of documenting GIS mapping rules and standards.



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	Mapping of private connections is underway.
No later than August 1, 2021, the required format for mapping is electronic with fully described mapping standards.	August 1, 2021	The City has fully described mapping standards. Stormwater system information is available to download via GIS Shapefiles on the City website.



# CITY OF BELLEVUE

## 2021 STORMWATER MANAGEMENT PROGRAM PLAN

---

### 7. ILLICIT DISCHARGE DETECTION AND ELIMINATION

#### 7.1 Permit Requirements

The Permit (Section S5.C.5) requires the City to:

Continued implementation of an ongoing program designed to prevent, detect, characterize, trace and eliminate illicit connections and illicit discharges into the MS4.

- Include procedures for reporting and correcting or removing illicit connections, spills and other illicit discharges when they are suspected or identified.
  - The City utilizes the *Illicit Connection and Illicit Discharge Field Screening and Source Tracing Guidance Manual* (Herrera Environmental Consultants, Inc. May 2013) as the basis of the Illicit Discharge Detection and Elimination Program.
- Inform public employees, businesses and the general public of hazards associated with illicit discharges and improper disposal of waste.
  - The City has an ongoing Education and Outreach/Training Program and dedicated staff to inform public employees, businesses and the general public of the hazards of illicit discharges and improper disposal of waste.
- Implement an ordinance or other regulatory mechanism to effectively prohibit non-stormwater, illicit discharges into the Permittee's MS4 to the maximum extent allowable under state and federal law.
  - Section 24.06.125 of the Bellevue Utilities Storm and Surface Water Code defines *Prohibited, Permissible, and Conditional Discharges* to the MS4. Enforcement of the provisions of the code are set forth in Bellevue City Code 1.18.075, *Enforcement Procedures for Violations of Chapters 24.02, 24.04, 24.06 and 23.76 BCC*.
- Implement an ongoing program design to detect and identify non-stormwater discharges and illicit connections into the Permittee's MS4.
  - Implement procedures for conducting investigations of the Permittee's MS4, including field screening and methods for identifying potential sources.
    - 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.
      - The City has an ongoing program to track annual and total percentage of the MS4 screened. The primary source is through the City's Municipal and Operations inspections. Other sources include pipe inspections, hotline reports and staff observations.
  - A publicly listed and publicized hotline or other telephone number for public reporting of spills and other illicit discharges.
    - The City has a 24/7 hotline for reporting of all Utilities related matters (425.452.7840). The City also has a mobile application (My Bellevue) where reports can be filed and receives notifications from Ecology through the ERTS notification.
  - Implement an ongoing training program for all municipal field staff, who, as part of their normal job responsibilities, might come into contact with or otherwise observe and illicit discharge and/or illicit connection to the MS4.



- City staff are trained at two levels within the organization, awareness and response. Awareness training is designed for field staff that may observe an illicit discharge; response level training is designed to contain the discharge until Water Quality/IDDE staff can respond.
- Implement an ongoing program designed to address illicit discharges, including spills and illicit connections, into the Permittee's MS4.
  - Procedures for characterizing the nature of, and potential public or environmental threat posed by, any illicit discharges found by or reported to the Permittee.
    - The City has dedicated and trained IDDE staff that respond to all reported illicit discharges and/or illicit connections.
  - Procedures for tracing the source of an illicit discharge, including visual inspections, and when necessary, opening manholes, using mobile cameras, collecting and analyzing water samples, and/or detailed inspection procedures.
    - All reported illicit discharges or illicit connections are traced to their source as information is available. Staff have resources available to them that allow for opening manholes, utilizing mobile cameras and other equipment that can aid in this activity.
  - Procedures for eliminating the discharge, including notification of appropriate authorities; notification of the property owner; technical assistance; follow-up inspections; and use of developed compliance strategies including escalating enforcement and legal actions.
    - Staff follow up on each reported illicit discharge to notify property owners, business managers and appropriate authorities to initiate a mitigation plan that is designed to eliminate any illicit discharges and/or illicit connections. The City's preferred approach is through voluntary compliance first. The City has an escalating enforcement mechanism in place should voluntary compliance not be successful.
- Train staff who are responsible for identification, investigation, termination, cleanup and reporting of illicit discharges, including spills, and illicit connections, to conduct these activities.
  - City staff are trained at two levels within the organization, awareness and response. Awareness training is designed for field staff that may observe an illicit discharge; response level training is designed to contain the discharge until Water Quality/IDDE staff can respond.
- Track and maintain records of the activities conducted to meet the requirements of this section.
  - All illicit discharges and/or illicit connection investigations are tracked and recorded through the City's Maintenance Management Information System (MMIS) using the characteristics set by Ecology in Appendix 12 of the Permit.



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. Approximately 50% of the system is inspected annually.



## CITY OF BELLEVUE

### 2021 STORMWATER MANAGEMENT PROGRAM PLAN

---

## 8. CONTROLLING RUNOFF FROM NEW DEVELOPMENT, REDEVELOPMENT AND CONSTRUCTION SITES

### 8.1 Permit Requirements

The Permit (Section S5.C.6) requires the City to:

Implement and enforce a program to reduce pollutants in stormwater runoff to a regulated small MS4 from new development, redevelopment and construction site activities. The program shall apply to private and public development, including transportation projects.

- Implement an ordinance or other enforceable mechanism that addresses runoff from new development, redevelopment, and construction site projects.
  - 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.
  - The legal authority, through the approval process for new development and redevelopment, to inspect and enforce maintenance standards for private stormwater facilities approved under the Permit conditions.
    - The City implemented an ordinance in 2016 that meets the current Permit requirements. (Ord 6321) (See BCC 24.06 & 24.06.065)
- The program shall include a permitting process with site plan review, inspection and enforcement capability to meet permit standards.
  - Review of all stormwater site plans for proposed development activities.
  - Inspections, prior to clearing and construction, all permitted development sites that have a high potential for sediment transport as determined through plan review.
  - Inspection of all permitted development sites during construction to verify proper installation and maintenance of erosion and sediment controls.
  - Inspection of all stormwater treatment and flow control BMPs/facilities, and catch basins, in new residential development every six months, until 90% of them lots are constructed or when construction has stopped and the site is fully stabilized, to identify maintenance needs and enforcement as needed.
  - Inspection of all permitted development sites upon completion and prior to final approval or occupancy to ensure proper installation of permanent stormwater facilities.
  - Compliance with inspection requirements shall be determined by the presence and records of an established inspection program designed to inspect all sites. Compliance during the permit term shall be determined by achieving 80% of required inspections.
  - Procedures for keeping records of inspections and enforcement actions by staff.
  - An enforcement strategy to respond to issues of non-compliance.
    - The City passed several ordinances in 2016 to meet the requirements of the current permit. (see BCC 24.06.060 – Permitting review and inspection, 23.76 – Clear and Grade/Erosion Control, 24.06.105 & 24.06.125 – Routine Inspections).
- The program shall make available, as applicable, the link to the electronic *Construction Stormwater General Permit* Notice of Intent (NOI) form for construction activity and, as applicable, a link to the



electronic Industrial Stormwater General Permit NOI form for industrial activity to representatives of proposed new development and redevelopment.

- Notice of Intent is issued by the Clear and Grade permit process and completion of the Storm Water Pollution Prevention Plan (SWPPP).
- Ensure that all staff whose primary job duties are implementing the program to control stormwater runoff from new development, redevelopment and constructions sites, including permitting, plan review, construction site inspections, and enforcement, are trained to conduct these activities.
  - The City has ongoing training for inspectors and plan reviewers related to their field of interest as well as an overall IDDE awareness training.

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)



# CITY OF BELLEVUE

## 2021 STORMWATER MANAGEMENT PROGRAM PLAN

---

### 9. OPERATIONS AND MAINTENANCE

#### 9.1 Permit Requirements

The Permit (Section S5.C.7) requires the City to:

Implement and document a program to regulate maintenance activities and to conduct maintenance activities by the Permittee to prevent or reduce stormwater impacts.

- Implement maintenance standards that are as protective, or more protective, of facility function than those specified in the *Stormwater Management Manual for Western Washington* or a Phase I program, approved by Ecology.
  - No later than June 30, 2022, Permittees shall update their 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.
- Maintenance of stormwater facilities regulated by the Permittee - Verify adequate long-term O&M of stormwater treatment and flow control BMP's/facilities that are permitted and constructed pursuant to section 6 and shall be maintained in accordance with defined maintenance timelines defined in section 7.
  - Implementation of an enforceable ordinance or other enforceable mechanism.
    - Section 24.06.045 of the Bellevue Utilities Storm and Surface Water Code defines the *Authority of the Utility* including the Private Drainage Inspection Program. Enforcement of the provisions of the code are set forth in Bellevue City Code 1.18.075, *Enforcement Procedures for Violations of Chapters 24.02, 24.04, 24.06 and 23.76 BCC*.
  - Annual inspections of all stormwater treatment and flow control BMPs/facilities that discharge to the MS4 and were permitted according to Permit standards.
    - The City has an ongoing Private Drainage Inspection Program that includes inspections of facilities and a record tracking system for inspection results, notifications, and maintenance requested/performed.
- Maintenance of stormwater facilities owned or operated by the permittee.
  - Implement a program to annually inspect all municipally owned or operated stormwater treatment and flow control BMP's/facilities and taking appropriate maintenance actions in accordance with the adopted maintenance standards.
    - The City has an ongoing inspection program that annually inspects all treatment and flow control BMPs/facilities, taking appropriate maintenance activities as determined by inspection results.
  - Spot check potential damaged stormwater treatment and flow control BMPs/facilities after major storm events.
    - The City maintains a routine surveillance list of known problem locations that are inspected before, during and following major storm events. Known problem locations consist of treatment and flow control BMPs/facilities, pipe ends, culverts and specific stream locations.



- Inspect all catch basins and inlets owned and operated by the Permittee every two years.
  - The City has an ongoing inspection program that bi-annually inspects all catch basins, inlets and manholes, taking appropriate maintenance activities as determined by inspection results.
- Implement 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.
  - The City maintains 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.
  - No later than December 31, 2022, document the practices, policies and procedures.
- Implement an ongoing training program for employees of the Permittee whose primary construction, operations, or maintenance job functions may impact stormwater quality.
  - Staff are annually trained on IDDE awareness and/or response dependent on their role in the organization.
  - Stormwater staff are trained on maintenance standards periodically as needed or as conditions change. Several Stormwater Staff are trained as Municipal Stormwater Inspectors.
- Implement a Stormwater Pollution Prevention Plan (SWPPP) for all heavy equipment maintenance or storage yards, and material storage facilities owned or operated by the Permittee.
  - The City maintains several SWPPP's originally drafted in 2010 and updated as needed since.
  - As necessary, update SWPPPs no later than December 21, 2022 per Permit requirements.

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 <i>Stormwater Management Manual for Western Washington</i> 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	Documentation associated with impacts to meet this requirement is captured in the City's work order tracking system (Maximo). Further refinement is under development.
As necessary, update SWPPPs no later than December 21, 2022 per Permit requirements.	December 21, 2022	Under review.



## CITY OF BELLEVUE 2021 STORMWATER MANAGEMENT PROGRAM PLAN

---

### 10. SOURCE CONTROL PROGRAM FOR EXISTING DEVELOPMENT

#### 10.1 Permit Requirements

The Permit (Section S5.C.7) requires the City to:

Implement a program to prevent and reduce pollutants in runoff from areas that discharge to the MS4. The program shall include application of operational source control BMPs and, if necessary, structural BMPs. Inspection of potential pollutant generating sources at publicly and privately owned institutional and commercial sites. Application and enforcement of local ordinances at identified sites. And practices to reduce polluted runoff for the application of pesticides, herbicides and fertilizers from identified sites.

- 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.
- 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.
- No later than January 1, 2023, Permittees shall implement an inspection program for identified sites.
  - The Permittee shall annually complete the number of inspections equal to 20% of the businesses and/or sites listed in their source control inventory to assess BMP effectiveness and compliance with source control requirements.
- 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.
- Permittees shall train staff who are responsible for implementing the source control program to conduct these activities.



### 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	Source Control Program development is scheduled to begin in January of 2022.  Existing code may satisfy this requirement.
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	Source Control Program development is scheduled to begin in January of 2022.
No later than January 1, 2023, Permittees shall implement an inspection program for identified sites.	January 1, 2023	Source Control Program development is scheduled to begin in January of 2022.
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	Source Control Program development is scheduled to begin in January of 2022.



# CITY OF BELLEVUE

## 2021 STORMWATER MANAGEMENT PROGRAM PLAN

---

### 11. MONITORING AND ASSESSMENT

#### 11.1 Permit Requirements

The Permit (Section S5.8) requires the City to:

The NPDES Monitoring and Assessment program provides two options for Permittees. Permittees can either choose to perform the requirements of this permit section on their own or they can opt in to a payment option and allow Ecology to utilize the funds for region wide studies and assessments.

Bellevue elected to opt in to the regional approach and allow Ecology to manage the funding. Initial cost comparisons of the two options showed a significant increase in costs should Bellevue choose to try and meet the permit requirements on their own.

The program itself is separated into two areas, *Regional Status and Trends* and *Effectiveness and Source Identification Studies*.

##### Regional Status and Trends

- All Phase II Western Washington Municipal Permittees shall notify Ecology in writing which of the following two options for regional status and trends monitoring by December 1, 2019.
  - Option a – Make annual payment into a collective fund to implement a regional receiving water status and trends monitoring of small stream and marine nearshore areas. The annual payments into the collective fund are due on or before August 15 each year.
  - Option b – Conduct stormwater discharge monitoring per the Permit requirements.
    - The City has elected to participate in option a.

##### SWMP Effectiveness and Source Identification Studies

- All Phase II Western Washington Municipal Permittees shall notify Ecology in writing which of the following two options for effectiveness and source identification studies by December 1, 2019.
  - Option a – Make annual payment into a collective fund to implement effectiveness and source identification studies. The annual payments into the collective fund are due on or before August 15 each year.
  - Option b – Conduct stormwater discharge monitoring per the Permit requirements.
    - The City has elected to participate in option a.

The cost to Bellevue to meet the permit requirements of Section 8 – Monitoring and Assessment for the 2019-2024 permit term is:

- Regional Status and Trends - \$23,273 annually
- Effectiveness and Source ID Studies - \$42,532 annually



CITY OF BELLEVUE  
2021 STORMWATER MANAGEMENT PROGRAM PLAN

---

12. 2020 ANNUAL REPORT

Number	Permit Section	Question
1	S5.A	<p>Attach a copy of any annexations, incorporations or boundary changes resulting in an increase or decrease in the Permittee's geographic area of permit coverage during the reporting period per S9.D.6.</p> <p><b>Not Applicable</b></p>
2	S5.A	<p>Attach updated annual Stormwater Management Program Plan (SWMP Plan). (S5.A.2)</p> <p><b>Final 2021 SWMP_2_02182021133314</b></p>
3	S5.A	<p>Implemented an ongoing program to gather, track, and maintain information per S5.A.3, including costs or estimated costs of implementing the SWMP.</p> <p><b>Yes</b></p>
4	S5.A.5.b	<p>Coordinated among departments within the jurisdiction to eliminate barriers to permit compliance. (S5.A.5.b)</p> <p><b>Yes</b></p>
4a	S5.A.5.b	<p>Attach a written description of internal coordination mechanisms. (S5.A.5.b).</p> <p><b>Question 4a_4a_02182021133731</b></p>
5	S5.C.1.	<p>Have you convened an interdisciplinary team to inform and assist in the development, progress, and influence of the comprehensive stormwater planning program? (S.5.c.1). August 1, 2020</p> <p><b>Yes</b></p>
6	S5.C.1.b.i(a)	<p>List the relevant land use planning efforts that have taken place in your jurisdiction (land use plans that are used to accommodate growth,</p>



Number	Permit Section	Question
		stormwater management, or transportation). (S5.C.1.b.i(a) and (b) – Required by March 31, 2021 and January 1, 2023)
		<b>• Comprehensive Plan (2015) • Downtown Livability Initiative (Land Use Code Amendments) (2017) • Eastgate Land Use Code Amendment (2017) • Transportation Element of the Comprehensive Plan (Major update in 2015 and Downtown Livability Initiative amendments in 2018) • Comprehensive Transportation Project List (Major update in 2015 and Eastgate Transportation Study amendments in 2019) • Transportation Facilities Plan (updates in 2015 and 2019) • Transportation Improvement Program (annual updates)</b>
7	S5.C.1.b.i(a)	List of stormwater capital projects (currently in or slated for future design and construction) that resulted from this planning. (S5.C.1.b.i(a) and (b) – Required by March 31, 2021 and January 1, 2023)
		<b>Q7 - Stormwater CIP Projects_7_02182021140345</b>
8	S5.C.1.b.i(a)	Describe watershed protection measures associated with stormwater management and land use planning actions that resulted from this planning. (S5.C.1.b.i(a) and (b) – Required by March 31, 2021 and January 1, 2023)
		<b>• Initiated the development of a City-wide Watershed Management Plan (to be completed in 2023) • Completed the physical stream condition data collection for 80-miles of stream (2018-2020)</b>
9	S5.C.1.b.i(a)	Were land acquisitions identified (or are planning ahead for) that are useful for stormwater facilities to accommodate growth or to better serve an existing developed area? (S5.C.1.b.i(a) and (b) – Required by March 31, 2021 and January 1, 2023)
		<b>No</b>
10	S5.C.1.b.i(a)	Identified corrective actions, in addition to the minimum requirements of the Municipal Stormwater Permits, to control or treat municipal stormwater discharges that pollute waters of the State (e.g. Limits to impervious cover added to any zoning districts, regional facility planning, minimization of vegetation loss, etc.)? (S5.C.1.b.i(a) and (b) – Required by March 31, 2021 and January 1, 2023)
		<b>No</b>



Number	Permit Section	Question
11	S5.C.1.b.i(a)	<p>Updates to goals and policies related to investment in stormwater management facilities/BMPs? (yes/no) (S5.C.1.b.i(a) and (b) – Required by March 31, 2021 and January 1, 2023)</p> <p><b>Yes</b></p>
11a	S5.C.1.b.i(a)	<p>If yes, briefly describe.</p> <p><b>Updated policy includes: Storm and Surface Water System Responsibility and Capital Investment Policy In 2015, Bellevue updated our Storm and Surface Water System Plan. The Plan can be found on the City website at the address below:  <a href="https://bellevuewa.gov/city-government/departments/utilities/utilities-projects-plans-standards/utilities-plans-and-reports/storm-and-surface-water-system-plan">https://bellevuewa.gov/city-government/departments/utilities/utilities-projects-plans-standards/utilities-plans-and-reports/storm-and-surface-water-system-plan</a></b></p>
12	S5.C.1.b.i(a)	<p>Does the long-range plan identify the location and existing capacity of the stormwater facilities owned or operated by the permittee and show which of those stormwater facilities have unused capacity? (yes/no) (S5.C.1.b.i(a) and (b) – Required by March 31, 2021 and January 1, 2023)</p> <p><b>No</b></p>
12a	S5.C.1.b.i(a)	<p>Do these stormwater facility locations impact where housing, or other types of development, are projected to be located or influence the acquisition of land? (if yes, how?)</p> <p><b>Our current efforts to develop a Watershed Management Plan will take into account future land use actions.</b></p>
12b	S5.C.1.b.i(a)	<p>Does the long-range plan identify a lack of facilities and the potential impacts of existing or new development to those areas and receiving waters?</p> <p><b>No</b></p>
12c	S5.C.1.b.i(a)	<p>Any new proposed locations and capacities of stormwater facilities needed for the timeframe of the plan?</p> <p><b>No</b></p>
13	S5.C.1.b.i(a)	<p>Based on the projected population densities and distribution of growth over the planning period, describe how stormwater runoff impacts are forecasted. Does stormwater management information (including water</p>



Number	Permit Section	Question
		quality) direct where growth is directed? (S5.C.1.b.i(a) and (b) – Required by March 31, 2021 and January 1, 2023)
		<b>Stormwater Management actions to date has not determined where growth has been directed. The upcoming Watershed Management Plan under development may influence future growth.</b>
15	S5.C.1.c	Continue to design and implement local development-related codes, rules, standards, or other enforceable documents to minimize impervious surfaces, native vegetation loss, and stormwater runoff, where feasible? See S5.C.1.c.i. (Required annually)
		<b>Yes</b>
16	S5.C.1.c	From the assessment described in S5.C.1.c.i(a), did you identify any administrative or regulatory barriers to implementation of LID Principles or LID BMPs? (Required annually)
		<b>No</b>
20	S5.C.2	Did you choose to adopt one or more elements of a regional program? (S5.C.2)
		<b>Yes</b>
20a	S5.C.2	If yes, list the elements, and the regional program.
		<b>The City of Bellevue contributed to the SOGgies 2020 pollution prevention bus ads and STORM 2020 social media ads. Utilities Education and Outreach Program Administrator has also joined the STORM Steering Committee and is helping lead the Dumpster Lid Outreach Social Marketing Campaign.</b>
21	S5.C.2	Attach a description of general awareness efforts conducted, including your target audiences and subject areas, per S5.C.2.a.i.
		<b>Q21 S5.C.2.a.i.GeneralAwarenes_21_02182021141729</b>
22	S5.C.2	Conducted an evaluation of the effectiveness of the ongoing behavior change program and documented recommendations as outlined in S.5.C.2.a.ii(b). (Required no later than July 1, 2020)
		<b>No</b>
22a	S5.C.2	If not, explain



Number	Permit Section	Question
		<b>Bellevue discontinued our previous outreach campaign around Car Washing and elected option S5.C.2.a.ii.(c)3 to develop a new strategy and schedule.</b>
24	S5.C.2	Began implementing strategy outlined in S.5.C.2.a.ii(c) (S5.C.2.a.ii(d) – Required by April 1, 2021)
		<b>Yes</b>
26	S5.C.2	Promoted stewardship opportunities (or partnered with others) to encourage resident participation in activities such as those described in S5.C.2.a.iii.
		<b>Yes</b>
26a	S5.C.2	Attach a list of stewardship opportunities provided.
		<b>Q26a S5.C.2.a.iiiStewardship20_26a_02182021141826</b>
27	S5.C.3.	Describe in Comments field the opportunities created for the public, including overburdened communities, to participate in the decision-making processes involving the development, implementation, and updates of the Permittee’s SWMP and the SMAP. (S5.C.3.a)
		<b>Annually, the City posts the Draft SWMP on our website in mid to late January and invites the public to provide comment. Additionally, the City's Environmental Services Commission holds a Public hearing on the Draft SWMP at their February meeting to gather comments from both the Public and the Environmental Services Commission members.</b>
28	S5.C.3.	Posted the updated SWMP Plan and latest annual report on your website no later than May 31. (S5.C.3.b)
		<b>Yes</b>
28a	S5.C.3.	List the website address in Comments field.
		<b><a href="https://bellevuewa.gov/city-government/departments/utilities/utilities-projects-plans-standards/utilities-plans-and-reports/n-p-d-e-s-stormwater-management-program">https://bellevuewa.gov/city-government/departments/utilities/utilities-projects-plans-standards/utilities-plans-and-reports/n-p-d-e-s-stormwater-management-program</a></b>
29	S5.C.4.	Maintained a map of the MS4 including the requirements listed in S5.C.4.a.i-vii?



Number	Permit Section	Question
		<b>Yes</b>
30	S5.C.4.	Started mapping outfall size and material in accordance with S5.C.4.b.i? (Required no later than January 1, 2020)
		<b>Yes</b>
30a	S5.C.4.	Attach a spreadsheet that lists the known outfalls' size and material(s).
		<b>Q30a City_of_Bellevue_WA_Storm_30a_02182021142033</b>
31	S5.C.4.	Completed mapping connections to private storm sewers in accordance with S5.C.4.b.ii? (Required no later than August 1, 2023)
		<b>Not Applicable</b>
32	S5.C.4.	Developed an electronic format for map, with fully described mapping standards in accordance with S5.C.4.c? (Required no later than August 1, 2021)
		<b>Yes</b>
33	S5.C.5	Informed public employees, businesses, and the general public of hazards associated with illicit discharges and improper disposal of waste? (S5.C.5.b)
		<b>Yes</b>
33a	S5.C.5	Actions taken to inform public employees, businesses, and the general public of hazards associated with illicit discharges and improper disposal of waste.
		<b>Induvial outreach following a spill. Handouts for proper car washing, power washing, watershed education. Outreach to property managers, contractors (construction, trash collectors, landscapers, delivery drivers) on good BMPS.</b>
34	S5.C.5	Implemented an ordinance or other regulatory mechanism to effectively prohibit non-stormwater, illicit discharges as described in S5.C.5.c.
		<b>Yes</b>
35	S5.C.5	Implemented procedures for conducting illicit discharge investigations in accordance with S5.C.5.d.i.
		<b>Yes</b>



Number	Permit Section	Question
35a	S5.C.5	Cite field screening methodology in Comments field.  <b>Illicit Connection and Illicit Discharge Field Screening and Source Tracing Manual, Herrera Environmental Consultants, Inc. 2013</b>
36	S5.C.5	Percentage of MS4 coverage area screened in the reporting year per S5.C.5.d.i. (Required to screen 12% on average each year.)  <b>47</b>
36a	S5.C.5	Cite field screening techniques used to determine percent of MS4 screened.  <b>Visual inspection during CB, WQ/FC annual system inspections of the MS4.</b>
37	S5.C.5	Percentage of total MS4 screened from permit effective date through the end of the reporting year. (S5.C.5.d.i.)  <b>83</b>
38	S5.C.5	Describe how you publicized a hotline telephone number for public reporting of spills and other illicit discharges in the Comments field. (S5.C.5.d.ii)  <b>Information cards distributed to staff. Annual IDDE training to staff. Hotline number distributed in monthly bill, on City website and through 'My Bellevue' reporting application.</b>
39	S5.C.5	Implemented an ongoing illicit discharge training program for all municipal field staff per S5.C.5.d.iii.  <b>Yes</b>
40	S5.C.5	Implemented an ongoing program to characterize, trace, and eliminate illicit discharges into the MS4 per S5.C.5.e.  <b>Yes</b>
41	S5.C.5	Municipal illicit discharge detection staff are trained to conduct illicit discharge detection and elimination activities as described in S5.C.5.f.  <b>Yes</b>
42	S5.C.5	Attach a report with data describing the actions taken to characterize, trace, and eliminate each illicit discharge reported to, or investigated by, the Permittee as described in S5.C.5.g. The submittal must include all



Number	Permit Section	Question
		of the applicable information and must follow the instructions, timelines, and format described in Appendix 12.
		<b>Imported from WQWebIDDE</b>
43	S5.C.6.	Implemented an ordinance or other enforceable mechanism to effectively address runoff from new development, redevelopment, and construction sites per the requirements of S5.C.6.b.i-iii.
		<b>Yes</b>
44	S5.C.6.	Revised ordinance or other enforceable mechanism to effectively address runoff from new development, redevelopment, and construction sites per the requirements of S5.C.6.b.i-iii. (Required no later than June 30, 2022)
		<b>Not Applicable</b>
45	S5.C.6.	Number of adjustments granted to the minimum requirements in Appendix 1. (S5.C.6.b.i. and Section 5 of Appendix 1)
		<b>0</b>
46	S5.C.6.	Number of exceptions/variances granted to the minimum requirements in Appendix 1. (S5.C.6.b.i., and Section 6 of Appendix 1)
		<b>0</b>
47	S5.C.6.	Reviewed Stormwater Site Plans for all proposed development activities that meet the thresholds adopted pursuant to S5.C.6.b.i. (S5.C.6.c.i)
		<b>Yes</b>
47a	S5.C.6.	Number of site plans reviewed during the reporting period.
		<b>579</b>
48	S5.C.6.	Inspected, prior to clearing and construction, permitted development sites per S5.C.6.c.ii, that have a high potential for sediment transport as determined through plan review based on definitions and requirements in Appendix 7 – Determining Construction Site Sediment Damage Potential?
		<b>Yes</b>



Number	Permit Section	Question
48a	S5.C.6.	If no, inspected, prior to clearing and construction, all construction sites meeting the minimum thresholds (S5.C.6.c.ii)?  Comment: Not Applicable
49	S5.C.6.	Inspected permitted development sites during construction to verify proper installation and maintenance of required erosion and sediment controls per S5.C.6.c.iii.  <b>Yes</b>
49a	S5.C.6.	Number of construction sites inspected per S5.C.6.c.iii.  <b>555</b>
49b	S5.C.6.	Inspected stormwater treatment and flow control BMPs/facilities and catch basins in new residential developments every 6 months per S5.C.6.c.iv?  <b>Yes</b>
50	S5.C.6.	Inspected all permitted development sites upon completion of construction and prior to final approval or occupancy to ensure proper installation of permanent stormwater facilities. (S5.C.6.c.v)  <b>Yes</b>
51	S5.C.6.	Verified a maintenance plan is completed and responsibility for maintenance is assigned for projects prior to final approval and occupancy being granted. (S5.C.6.c.v)  <b>Yes</b>
52	S5.C.6.	Number of enforcement actions taken during the reporting period (based on construction phase inspections at new development and redevelopment projects). (S5.C.6.c.ii-iv)(S5.C.7.c.viii)  <b>81</b>
53	S5.C.6.	Achieved at least 80% of scheduled construction-related inspections. (S5.C.6.c.vi)  <b>Yes</b>



Number	Permit Section	Question
54	S5.C.6.	Made Ecology's Notice of Intent for Construction Activity and Notice of Intent for Industrial Activity available to representatives of proposed new development and redevelopment? (S5.C.6.d)  <b>Yes</b>
55	S5.C.6.	All staff whose primary job duties are implementing the program to control stormwater runoff from new development, redevelopment, and construction sites including permitting, plan review, construction site inspections, and enforcement are trained to conduct these activities? (S5.C.6.e)  <b>Yes</b>
56	S5.C.7.	Implemented maintenance standards that are as protective, or more protective, of facility function than those specified in the Stormwater Management Manual for Western Washington or a Phase I program approved by Ecology per S5.C.7.a.?  <b>Yes</b>
57	S5.C.7.	Updated maintenance standards specified in Stormwater Management Manual for Western Washington per S5.C.7.a? (Required no later than June 30, 2022)  <b>Not Applicable</b>
58	S5.C.7.	Applied a maintenance standard for a facility or facilities which do not have maintenance standards specified in the Stormwater Management Manual for Western Washington? If so, note in the Comments field what kinds of facilities are covered by this alternative standard. (S5.C.7.a)  <b>Yes</b>
58a	S5.C.7.	Note what kinds of facilities are covered by this alternative standard. (S5.C.7.a)  <b>The City has several facilities that are not specifically covered in the SWMMWW. Filtera tree boxes, Modular Wetlands and Vortex filters are examples. Manufacturers recommendations for maintenance is used as a template for inspection and maintenance of these facilities.</b>



Number	Permit Section	Question
59	S5.C.7.	Verified that maintenance was performed per the schedule in S5.C.7.a.ii when an inspection identified an exceedance of the maintenance standard.  <b>Yes</b>
59a	S5.C.7.	Attach documentation of maintenance time frame exceedances that were beyond the Permittee's control.  <b>Not Applicable</b>
60	S5.C.7.	Implemented an ordinance or other enforceable mechanisms to verify long-term operation and maintenance of stormwater treatment and flow control BMPs/facilities regulated by the permittee per (S5.C.7.b.i (a))?  <b>Yes</b>
61	S5.C.7.	Annually inspected stormwater treatment and flow control BMPs/facilities regulated by the Permittee per S5.C.7.b.i(b)  <b>Yes</b>
61a	S5.C.7.	If using reduced inspection frequency for the first time during this permit cycle, attach documentation per S5.C.7.b.i (b)  <b>Not Applicable</b>
62	S5.C.7.	Achieved at least 80% of scheduled inspections to verify adequate long-term O&M. (S5.C.7.b.ii)  <b>Yes</b>
63	S5.C.7.	Annually inspected all municipally owned or operated permanent stormwater treatment and flow control BMPs/facilities. (S5.C.7.c.i)  <b>Yes</b>
63a	S5.C.7.	Number of known municipally owned or operated stormwater treatment and flow control BMPs/facilities. (S5.C.7.c.i)  <b>1431</b>
63b	S5.C.7.	Number of facilities inspected during the reporting period.  <b>1373</b>



Number	Permit Section	Question
		Comment: 58 structures were not able to be inspected- they were within Sound Transit construction limits and were inaccessible to staff.
63c	S5.C.7.	Number of facilities for which maintenance was performed during the reporting period.  <b>94</b>
64	S5.C.7.	If using reduced inspection frequency for the first time during this permit cycle, attach documentation per S5.C.7.c.i.  <b>Not Applicable</b>
65	S5.C.7.	Conducted spot checks and inspections (if necessary) of potentially damaged stormwater facilities after major storms as per S5.C.7.c.ii.  <b>Yes</b>
66	S5.C.7.	Inspected municipally owned or operated catch basins and inlets every two years or used an alternative approach? Cleaned as needed? (S5.C.7.c.iii)  <b>Yes</b>
66a	S5.C.7.	Number of known catch basins?  <b>22518</b>
66b	S5.C.7.	Number of catch basins inspected during the reporting period?  <b>9826</b>
66c	S5.C.7.	Number of catch basins cleaned during the reporting period?  <b>645</b>
67	S5.C.7.	Attach documentation of alternative catch basin cleaning approach, if used. (S5.C.7.c.iii.(a)-(c))  <b>Not Applicable</b>
68	S5.C.7.	Implemented practices, policies and procedures to reduce stormwater impacts associated with runoff from all lands owned or maintained by the Permittee, and road maintenance activities under the functional control of the Permittee. (S5.C.7.d)  <b>Yes</b>



Number	Permit Section	Question
69	S5.C.7.	Documented practices, policies, and procedures to reduce stormwater impacts associated with runoff from all lands owned or maintained by the Permittee, and road maintenance activities under the functional control of the Permittee. (S5.C.7.d – Required by December 31, 2022)  <b>Not Applicable</b>
70	S5.C.7.	Implemented an ongoing training program for Permittee employees whose primary construction, operations or maintenance job functions may impact stormwater quality. (S5.C.7.e)  <b>Yes</b>
71	S5.C.7.	Implemented a Stormwater Pollution Prevention Plan (SWPPP) for all heavy equipment maintenance or storage yards, and material storage facilities owned or operated by the Permittee in areas subject to this Permit that are not required to have coverage under an NPDES permit that covers stormwater discharges associated with the activity. (S5.C.7.f)  <b>Yes</b>
72	S5.C.7.	Updated, if needed, SWPPPs according to S5.C.7.f no later than December 31, 2022.  <b>Not Applicable</b>
73	S5.C.8	Adopted ordinance(s), or other enforceable documents, requiring the application of source control BMPs for pollutant generating sources associated with existing land uses and activities per S5.C.8.b.i. (Required by August 1, 2022)  <b>Not Applicable</b>
74	S5.C.8	Established an inventory per S5.C.8.b.ii. (Required by August 1, 2022.)  <b>Not Applicable</b>
75	S5.C.8	Implemented an inspection program S5.C.8.b.iii (Required by January 1, 2023).  <b>Not Applicable</b>
76	S5.C.8	Implemented a progressive enforcement policy per S5.C.8.b.iv (Required by January 1, 2023).



Number	Permit Section	Question
		<b>Not Applicable</b>
77	S5.C.8	Attach a summary of actions taken to implement the source control program per S5.C.8.b.iii and S5.C.8.b.iv.
		<b>Not Applicable</b>
78	S5.C.8	Attach a list of inspections, per S5.C.8.b.iii, organized by the business category, noting the amount of times each business was inspected, and if enforcement actions were taken.
		<b>Not Applicable</b>
79	S5.C.8	Implemented an ongoing source control training program per S5.C.8.b.v?
		<b>Not Applicable</b>
80	S7	Complied with the Total Maximum Daily Load (TMDL)-specific requirements identified in Appendix 2. (S7.A)
		<b>Not Applicable</b>
81	S7	For TMDLs listed in Appendix 2: Attach a summary of relevant SWMP and Appendix 2 activities to address the applicable TMDL parameter(s). (S7.A)
		<b>Not Applicable</b>
82	S8	Submitted payment for cost-sharing for Stormwater Action Monitoring (SAM) status and trends monitoring no later than December 1, 2019 (S8.A.1); and no later than August 15 of each subsequent year? (S8.A.2.a.)
		<b>Yes</b>
84	S8	Submitted payment for cost-sharing for SAM effectiveness and source identification studies no later than December 1, 2019 (S8.B.1); and no later than August 15 of each subsequent year (S8.B.2.a or S8.B.2.c)?
		<b>Yes</b>
86	S8	If conducting stormwater discharge monitoring in accordance with S8.C.1, submitted a QAPP to Ecology no later than February 1, 2020? (S8.C.1.b and Appendix 9)
		<b>Not Applicable</b>



Number	Permit Section	Question
87	S8	If conducting stormwater discharge monitoring in accordance with S8.C.1, attach a data and analysis report per S8.C.1. and Appendix 9. (Due annually beginning March 31, 2021.)  <b>Not Applicable</b>
88	G3	Notified Ecology in accordance with G3 of any discharge into or from the Permittees MS4 which could constitute a threat to human health, welfare or the environment. (G3)  <b>Yes</b>
89	G3	Took appropriate action to correct or minimize the threat to human health, welfare, and/or the environment per G3.A.  <b>Yes</b>
90	Compliance with standards	Notified Ecology within 30 days of becoming aware that a discharge from the Permittee's MS4 caused or contributed to a known or likely violation of water quality standards in the receiving water. (S4.F.1)  <b>Yes</b>
91	Compliance with standards	If requested, submitted an Adaptive Management Response report in accordance with S4.F.3.a.  <b>Not Applicable</b>
92	Compliance with standards	Attach a summary of the status of implementation of any actions taken pursuant to S4.F.3 and the status of any monitoring, assessment, or evaluation efforts conducted during the reporting period. (S4.F.3.d)  <b>Not Applicable</b>
93	G20	Notified Ecology of the failure to comply with the permit terms and conditions within 30 days of becoming aware of the non-compliance. (G20)  <b>Not Applicable</b>
94	G20	Number of non-compliance notifications (G20) provided in reporting year. List permit conditions described in non-compliance notification(s) in Comments field.  <b>0</b>



## ATTACHMENTS

### Question 4a

Attach a written description of internal coordination mechanisms.

To encourage collaboration and efficient use of resources, the City's NPDES Coordinator works closely with members of affected Departments to ensure NPDES Permit requirements are within compliance and to obtain information necessary to submit the annual compliance report. The affected departments include Utilities, Development Services Department (DSD), Information Technology (IT), Civic Services, Fire, Planning and Community Development (PCD), City Attorney's Office (CAO), Finance, Parks and Community Services (Parks), Transportation (Trans.), Police, City Clerk's Office, and the City Manager's Office (CMO).

### Q7

List of stormwater capital projects (currently in or slated for future design and construction) that resulted from this planning. (S5.C.1.b.i(a) and (b) – Required by March 31, 2021 & Jan 1, 2023)

- Bellevue Utilities Stormwater CIP information is available on the City website. General overview of the program and program areas can be found at [Stormwater Capital Investment Projects | City of Bellevue \(bellevuewa.gov\)](https://www.bellevuewa.gov/Stormwater-Capital-Investment-Projects)
- The current 2021-2027 Proposed Stormwater Capital Improvement Projects are also available through the City website at [BELLEVUE UTILITIES 2021-2027 PROPOSED CIP \(bellevuewa.gov\)](https://www.bellevuewa.gov/BELLEVUE-UTILITIES-2021-2027-PROPOSED-CIP)
- Additional information on Bellevue Utilities CIP program can be found at [2021-2027 CIP Rollup by Program - ROUNDED 06-02-2020.xlsx \(bellevuewa.gov\)](https://www.bellevuewa.gov/2021-2027-CIP-Rollup-by-Program-ROUNDED-06-02-2020.xlsx)

Specific details of historic and current projects are available upon request. Bellevue operates on a 7-year CIP budget with updates to the CIP plan occurring at on a 2-year basis.

Previous CIP Budget documentation:

- 2021-2022 Budget Document (2021-2027 Capital Investment Program Plan)
- 2019-2020 Budget Document (2019-2025 Capital Investment Program Plan)
- 2017-2018 Budget Document (2017-2023 Capital Investment Program Plan)
- 2015-2016 Budget Document (2015-2021 Capital Investment Program Plan)



## Q21

### S5.C.2.a.i.(a) and (c) General awareness

#### Ads, Articles, Online and Print Materials

The City of Bellevue provides educational pollution prevention material through multiple formats including ads, articles, online, print material, and social media posts.

#### Ads and Articles

- Articles in the Utilities Bill Newsletter, [Audience: General Public](#)
- Articles in the City Newspaper, [Audience: General Public](#)
- Ads in Newport HS Knightlife Newspaper ([Audience: General Public, reaches 1,850 students and families](#))
- Bus ads (7 from Bellevue) with regional SOGgies Group, *Fall 2020* [Audience: General Public](#)
- Social Media ads with STORM [Audience: General Public, multiple languages](#)
  - Regional campaign including outreach to Korean, Spanish, English, and Vietnamese audiences.
  - Bellevue had some of the most impressions, 291,393 with over 73,000 PSSH videos completed.

#### Something fishy in Kelsey Creek?

By Laurie Devereaux, Stream Team Coordinator

**Bellevue Utilities News**



**"Poo"llution preventers:**  
Stop by City Hall Service  
First desk (with or without  
your pooch) to pick up a  
free roll of pet waste bags!

### Protect Our Streams from Pet "Poo"llution

Pet poop left on the ground is more than an unneighborly nuisance—it actually can endanger our streams and public health. When it rains, pet waste left on the ground mixes with stormwater runoff. Bacteria from dog poop can enter streams and lakes where it can be transmitted to people, especially children.

**How to handle your dog's business?** Scoop it, bag it, and place it in the trash. Dog poop should never go into your yard waste or compost bin. Even if the bag is biodegradable, the compost process can't destroy all the harmful bacteria in pet waste.

Help protect our beautiful streams and lakes by always picking up after your pet.

### Free Greener

April 22, 2020 marks the 51st anniversary of Earth Day. Celebrate by learning how to clean up your community with free Greener Living classes.

In the Zero Waste Hero workshop, you'll learn how to properly sort, recycle, and compost unusual items like batteries and composting containers.

Green Cleaning workshop that protects your health and the environment by making your own safer cleaning kit with more DIY.

Registration is required to attend. Email [recycle@bellevuewa.gov](mailto:recycle@bellevuewa.gov) to 20 people per class—first come, first served.

### Workshop Date

**Zero Waste Hero Workshop**  
Newport Way Library, 1400  
Thursday, April 2, 7-8PM  
Saturday, May 2, 12-1PM

**Lake Hills King County Library**  
Saturday, April 18, 12-1PM  
Tuesday, April 28, 1-2PM

**Bellevue Library, 1111 1st**  
Wednesday, March 25, 3-4PM



Every spring, hundreds of peamouth minnows, a foot-long fish native to Lake Washington, spawn in Kelsey Creek. A spawning event may last only 12 to 48 hours from start to finish, but if you're there at the right time, you can watch amazing nature in action. You might even witness a great blue heron on the hunt!

Volunteers can help the city track the peamouth by joining the Peamouth Patrol. Participants check the stream for fish for 15 minutes, twice a week. In return, they receive advanced notice when the fish arrive, so they are always among the first to know and experience this wonderful sign of spring.

To participate or just to learn more, residents can attend a Peamouth Patrol workshop on Wednesday, March 25, 6:30-8 p.m. at the Mercer Slough Environmental Education Center Community Room. To RSVP or request more information, please contact [streamteam@bellevuewa.gov](mailto:streamteam@bellevuewa.gov).



**Indoor drains carry water to the sewer for treatment.**

**Outside drains carry rain directly to streams and lakes without treatment.**

**Protect water quality for future generations**

- Use a commercial car wash
- Fix vehicle leaks
- Scoop pet waste and place it in the trash
- Avoid harmful pesticides and fertilizers

**Put the Sound Starts Here** oregon



6 Comments 9 Shares

*By Laurie Devereaux, Stream Team*

Here are five tips to prevent polluted runoff from leaving your property, ensuring that clean water flows into the storm drains on your street.

- or wet vacuum to divert it to a utility sink. Avoid using soap or hot water.

- Bellevue Utilities has a 24-hour hotline that you can report water issues including pollution or stream concerns. Call 425-452-7840.



## **Public Events**

Traditional in-person events were cancelled in 2020, but pollution prevention materials, information and activities were provided at contactless and virtual events.

### **Community Distribution at Hopelink Mobile Market**

**Audience:** General Public, specifically overburdened communities.

The City held a curbside environmental conservation kit pickup in collaboration with the Hopelink Mobile Market at Lake Hills Elementary School on September 9, 2020. City staff provided environmental conservation kits in English or Spanish to 105 households. In addition to other resource conservation supplies, kits included brochures on clean water for your community, picking up after your pet, and properly disposing of cleaning wipes. Each kit also received a chocolate fish. Households with youth also received a youth conservation kit that included Puget Sound Starts Here buttons and pencils, as well as paper salmon hats.



### **The Great Bellevue Scavenger Hunt**

**Audience:** General Public

The City hosted a city-wide scavenger hunt using the Goose Chase phone app from October 2-30, 2020. The City released “missions” each week, including a total of seven stormwater and pollution prevention missions were offered as part of the game.

A total of 101 active players on 74 active teams participated. Players submitted 167 responses to the seven missions related to stormwater. Sample stormwater related missions included the following.

- Safer Suds – car washing best practices





- Scoop it, Bag it, Trash it – pet waste disposal
- Storm Drain Superhero – find your closest storm drain, clear it of debris and protect it!
- Where does your rain go? – check out your home gutters and rain system
- Be F.O.G. friendly – proper disposal of fats, oil, and grease
- Don't Drip and Drive – fix car oil leaks
- You Live in a Basin – learn about your drainage basin



*Great Bellevue Scavenger Hunt participant's photo of finding their local storm drain*



*Great Bellevue Scavenger Hunt participant practicing scooping, bagging and trashing pet waste.*

Players on the top scavenger hunt teams received a conservation swag bag from the City that included brochures on clean water for your community, picking up after your pet, and properly disposing of cleaning wipes. Youth in those households also received a youth conservation kit that included Puget Sound Starts Here buttons and pencils, as well as paper salmon hats. Each kit also received a chocolate fish.

Participants responded positively and are already requesting another game in the future. Feedback included the following.

- *"The kids had fun doing some of the "work" and sleuthing. It was so fun."* -- Team Herrman Horde
- *"You guys did a wonderful thing that the City desperately needed."* – Team Lake Hills
- *"My family and I had such a fun time with the challenges and actually learned quite a few new tips. We are really hoping there will be another one. It definitely lifted our spirits during these depressing COVID-times."* – The J-Team
- *"Thanks so much for organizing the game. I'm a member of the Lakeridge team. We used the scavenger hunt as a way to foster greater community in the neighborhood."* – Team Lakeridge

### **Storm Drain Markers**

**Audience:** [General Public](#)

City of Bellevue installs four-inch, colorful plastic markers with pollution prevention message like, "Don't Pollute, Drains to Stream" on public storm drains throughout the city. Markers



without the city logo are also available for private properties like businesses and multifamily housing free of charge.

900 storm drains were marked by staff in 2020!

Due to covid, no storm drain marking was done by volunteers in 2020.

Storm drain markers have been customized for most easily recognized streams such as Kelsey and Coal Creeks. In other areas they say they drain to stream or lake.

A focus group conducted in 2009 found that 75% of participants had seen the markers, and participants were nearly unanimously positive about the markers' value as a pollution prevention message and a good use of public funds.

All public drains had been marked by 2011 but storm drain marking continues every summer as original markers need replacement, pavement overlays require new marking, and program is expanded onto parks, school properties, and provided to private properties on request. Starting in summer 2016, the presence or absence of storm drain markers has been added to the stormwater crew's mobile catch basin inspection list. This map and information helps locate where the most markers are missing to direct work most efficiently in the field. These maps are invaluable for staff and volunteers to track their progress.



### **School Workshops**

**Audience:** General Public, specifically school aged children

Bellevue schools switched to remote learning models in March 2020. After providing in-person workshops to K-12 schools in January through mid-March, the City developed educational materials to encourage conservation and pollution prevention, as well as support at home and remote learning for the remainder of the year. All tools were designed with the intention to continue using them as supplementary materials when students return to in-person learning. The following are examples of the education materials developed in 2020.

- **Be the Solution and Blue Teams - Grades 3-12 Classroom Workshops and Curriculum:**  
Nature Vision and Bellevue Utilities continued the pollution prevention school programming that began in 2009. 2020-2021 programming included *Be the Solution* workshops for secondary students and Blue Teams, student stewardship teams for K-12 students. From



January to March we taught four Be the Solution programs for 100 students, as well as 15 Blue Team programs for 150 students before school closures due to Covid-19. After school closures, teachers received access to optional supplemental remote curriculum in the form of student packets on: Ecosystems, Watersheds, Humans and Water, Ecological Impacts, Water Quality, Human Systems, and Invasive Weeds.

- **Water Conservation/Pollution Prevention at Home Activity Guide:** Features a “where does it flow” diagram about Bellevue’s water cycle, “did you know” stormwater quiz and water conservation challenges.



- **Student Pledge Tree:** For use in classrooms, a Pledge Tree poster encourages students to write a personal conservation pledge on a sticky note leaf, including pledges to protect waterways.



- **Virtual Classroom Warm-up Games and Icebreakers:** The City of Bellevue created a variety of quick games such as a one-minute at-home scavenger hunt, environmental knock knock jokes, Fact vs. Fiction trivia, and more. All activities can be done with student videos on or off. Topics include stormwater pollution prevention and are designed to help teachers connect with students in a fun way and get student bodies and brains moving at the start of class!





- **Special Stormwater Presentations Provided for:**
  - Local High School Podcast Program about pollution
  - Seattle University Environmental Studies Class

## **Paint Program**

### **Audience: General Public and Businesses**

2020 marks the eighth year of outreach aimed at informing paint retailers and their customers about options for proper paint disposal and recycling. Paint retailers saw little to no dip in sales due to the pandemic. There was a shift from commercial to residential customers, but overall traffic remained high. All Bellevue paint retailers were pleased to receive refreshed outreach materials, via two site visits, to share with their customers. The City also identified a new Sherman Williams paint retail location to the City and assisted another paint retailer with hazardous waste disposal questions. Paint retailers were also very interested in receiving an update on the State's new paint take-back program. The City maintained contact with Paint Care, the product stewardship organization, so as to have current information on program roll-out.





### **Natural Yard Care Program**

**Audience:** General Public

The Natural Yard Care (NYC) program provides education and how-to-resources to Bellevue homeowners on yard care best management practices that encourage yard care behavior change to conserve and protect water resources, reduce yard waste and enhance public health. The desired behavior changes of the Natural Yard Care Program correlate directly with the five steps of NYC: 1) build healthy soil, 2) plant right for your site, 3) practice smart watering, 4) think twice before using pesticides, and 5) practice natural lawn care. These practices are typically promoted through City communication opportunities and special events. The practices are also modeled and promoted through the City's Waterwise Garden at the Bellevue Botanical Garden (BBG).

This year outreach education materials included one new interpretative sign located at our Waterwise demonstration garden. The interpretive signs detail natural yard care practices that visitors can adopt to prevent stormwater pollution and conserve surface water resources.

Fourteen Natural Yard Care guides are made available on the City's website and form the foundation of the BBG's "Going Green" webpages. NYC resources can be found at: <http://www.bellevuewa.gov/natural-gardening-resources.htm>.

### **S5.C.2.a.ii Behavior Change**

The City of Bellevue has been leading the regional Dumpster Lid Social Marketing Campaign. See details separate documents including detailed strategy and schedule.



## Q26a

### S5.C.2.a.iii Stewardship

#### Stream Team

Stream Team volunteers gather important information about Bellevue's streams, lakes, and wetlands and help improve the City's fish and wildlife habitat in a variety of ways.

- **Salmon Watchers:** Volunteers monitor local streams for salmon returning in the fall, visiting a site for 15 minutes twice a week from September through December and reporting when, where and what type of salmon are sighted. 2020 participation was limited to previously trained volunteers.
- **Peamouth Patrol:** Volunteers check local streams for 15 minutes twice a week from mid-April through May. They record spawning times and use of Bellevue streams. 2020 training was online written lessons including stormwater pollution prevention. Instead of site visits during quarantine, volunteers were offered the option of viewing the Kelsey Creek Camera, a stream camera pointed at the most popular peamouth spawning location. Volunteers are also trained on how to report illicit discharges. 2020 Peamouth Patrol had higher than usual participation rates!

#### Watershed Awareness

##### *Soak it up*

A watershed is an area of land that all drains into one place like a stream or lake. As a watershed becomes populated, sidewalks, streets, parking lots, and buildings replace natural undeveloped areas.

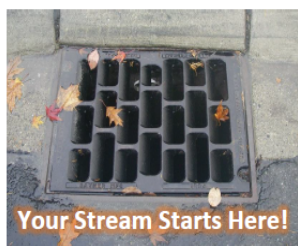
When rain hits a soil or landscaping, it is slowed down and partially soaked up by the ground and filtered by plants. When rain hits streets and

other hard, impervious surfaces (surfaces that can't absorb water), it runs off quickly, collecting pollutants as it travels to a stream or lake. This runoff can carry a variety of harmful pollutants into streams.

The storm drain system is designed to carry rainwater to our local streams, lakes, and wetlands which eventually flow into our large lakes and out to Puget Sound. The sewer is a completely separate system where water from inside your home (toilets, showers, sinks) gets treated before being released into Puget Sound. Dumping pollutants down storm drains or into surface water is bad for water quality.

Allowing anything but rain to enter a storm drain is against Utilities Code. However, we do not have car wash police or staff to patrol for violations. We rely heavily on outreach and education.

You can help protect water quality by telling others that stormwater is not treated and what they can do to prevent pollution!



#### Your Choices Make a Difference

**Scoop the poop, bag it, and place it in the trash.** Pet waste contains harmful microorganisms that can be transferred to humans. <http://www.scoopoop.org/index.aspx>

**Wash your car at a commercial car wash** because they send the dirty water to the sewer for treatment. Soaps dissolve the protective mucous layer on fish and natural oils in the gills, making fish more susceptible to diseases. Even biodegradable soap pollutes water. If you need to wash before the end of quarantine, do so on lawn or gravel where the water can soak into the soil.

**Practice Natural Yard Care.** Choose the right plants, build your soil, and water wisely to grow healthy plants and avoid using pesticides and fertilizers that can contaminate our streams and lakes. Visit [Natural Yard Care](#) for more tips!



