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March 30, 2020

1.0 Introduction

The City of Burlington (City) has developed a Stormwater Management Program (SWMP) to meet the terms and conditions of its Western Washington Phase II Municipal Stormwater Permit (Permit) under the National Pollutant Discharge Elimination System (NPDES). This Permit is required because the City of Burlington has been designated by the Environmental Protection Agency and the Washington State Department of Ecology (Ecology) as one of thousands of municipalities in the United States requiring a special stormwater permit. These permits were deemed necessary because stormwater runoff from developed areas such as streets, parking lots, construction sites, industrial properties, and residential areas is now recognized as one of the leading sources of pollution to our streams, lakes, wetlands, rivers, and Puget Sound.

The Permit allows municipalities to discharge stormwater from municipal systems into "waters of the state" such as rivers, lakes, streams, and groundwater as long as there are programs in place to reduce pollutants in stormwater to the "maximum extent practicable" (MEP). Most stormwater runoff from the City of Burlington discharges into Gages Slough and is eventually pumped into the Skagit River. Improving habitat and water quality in Gages Slough was identified as a very high priority in the City's Comprehensive Surface Water Management Plan and the Parks and Recreation Comprehensive Plan. Requirements under the Permit provide the City additional opportunities to accomplish cleaning up Gages Slough.

The Permit was originally issued by Ecology in 2007 and most recently re-issued on July 1, 2019. The City is required to post this Stormwater Management Program Plan (SWMP Plan) to a website by May 31st each year. The SWMP Plan summarizes the current stormwater program and identifies completed activities and those planned for the coming year. The SWMP Plan also serves as an attachment to the required annual report submittal to Ecology which reports permit compliance accomplishments carried out during the previous calendar year.

1.1 City Organizational Responsibilities

The City of Burlington Public Works Department holds the primary responsibility for developing the stormwater program and tracking Permit requirements. Within the Public Works Department, program administration is carried out by the Stormwater Engineer. Inspection, maintenance, and tracking duties are carried out by the Stormwater Engineer, the Public Works Inspector, and the Street Department. The Planning Department, Police Department and Fire Department also hold integral roles in implementing the components of the stormwater program. The Building & Grounds Department, Street Department, and Parks Department have been trained to carry out their duties in compliance with the permit.

1.2 Document Organization

This document is organized by program components in the order found in the Permit. To facilitate cross-reference with the permit language, each permit item is presented along with the associated permit section indicator in parentheses as follows:

- ✓ Section 2.0 addresses the Stormwater Management Program Development (S5.A & S5.B)
- ✓ Section 3.0 addresses the Planning, Public Education and Outreach (S5.C.1 & 2)
- ✓ Section 4.0 addresses the Public Involvement and Participation (S5.C.3)
- ✓ Section 5.0 addresses Mapping, Illicit Discharge Detection and Elimination (S5.C.4 & 5)
- ✓ Section 6.0 addresses Controlling Runoff from New Development, Redevelopment and Construction Sites (S5.C.6)

- ✓ Section 7.0 addresses Municipal Operations and Maintenance (S5.C.7)
- ✓ Section 8.0 Source Control Program for existing development (S5.C.8)
- ✓ Section 9.0 addresses Monitoring and Assessment (S8)

2.0 Stormwater Management Program Development (S5.A and S5.B)

2.1 Permit Requirements

Sections S5.A and S5.B of the Permit require the City to:

- Implement a Stormwater Management Program.
- Publish a report summarizing the SWMP at the City web site by May 31, (this SWMP Plan).
- Submit the SWMP Plan as part of an annual report to Ecology by March 31, summarizing implementation status during the reporting period (S9.D.2.).
- Manage an ongoing program for gathering, tracking, maintaining and using information to evaluate the SWMP development, implementation and permit compliance and set priorities.
- Track the cost of the development and implementation of each component of the SWMP.
- Track the number of inspections, official enforcement actions and types of public education.
- Coordinate with other NPDES permittees and partners in the region on stormwater related policies, programs, and projects within adjoining or shared areas and coordinate internally among City Departments.

2.2 Current Compliance Activities

Since 2007, the City of Burlington has been developing and implementing a SWMP. Summarized below are many stormwater management activities and procedures the City currently has in place. Sections 3.0 through 9.0 provide additional detail on the ongoing program.

- Many public educational activities have been initiated by the City of Burlington, in partnership with the Skagit Conservation District (SCD) as described in Section 3.0 including a description of the types of educational activities and number of participants.
- An Interlocal Agreement is in place between the City and the SCD, first signed in 2008.
- The SCD partners with all five Phase II nearby jurisdictions including Skagit County and the Cities of Burlington, Sedro Woolley, Mt. Vernon, Anacortes. Working together with all five jurisdictions, SCD implemented a stormwater education and outreach (E&O) program to meet the requirements of the Phase II permit which avoids duplication of efforts, and shares resources among these jurisdictions.
- The City meets quarterly with the North Sound NPDES Municipal Stormwater Permit Phase1/Phase2 Forum to discuss stormwater policies and projects in the area and also attends NPDES coordination meetings with the Cities of Anacortes, Sedro Woolley and Mount Vernon, the SCD and Skagit County.
- The City of Burlington has worked with Skagit County Health Department to achieve local source control efforts through businesses inspections.
- Conduct an outfall reconnaissance inventory.
- Respond to illicit discharges.
- An ongoing training program for staff regarding codes, additional permit reviews for runoff control, illicit detection response procedures, pollution prevention best management practices (BMPs), erosion control, and low impact development (LID).
- The estimated cost was determined for each component of the stormwater management program.

- The City continued a Stormwater and Surface Water Inspection and Maintenance Program under Burlington Municipal Code 14.05 for both public and private facilities and expanded it for LID features.
- Public facility inspections occur annually for every pond, swale and pipe outflow into Gages Slough and corrective action is taken to fix identified problems.
- Inspection of private stormwater facilities. Follow-up letters are sent notifying the property owner of problems and outlining corrective actions.
- Enforcement action can be taken per Burlington Municipal Code 14.05. This program has been very successful at obtaining compliance from property owners.
- The Street Department maintains the storm drain systems.
- The Sewer Department maintains the six stormwater pump stations.

2.3 Plans for Program Activities in 2020

The City plans to continue work on stormwater tasks, programs, and issues listed above, even building on these systems and procedures.

3.0 Planning, Public Education and Outreach (S5.C.1&2)

3.1 Permit Requirements

Section S5.C.1 & C.2 of the Permit requires the City to address the following planning and public E&O elements:

- Comprehensive Stormwater Planning for water quality and watershed protection
- Continue to require LID Principles and BMPs
- Implement a program designed to reduce or eliminate behaviors and practices that cause or contribute to adverse stormwater impacts and encourage the public to participate in stewardship activities.
- Educate target audiences about the stormwater problem and provide specific actions that they can follow to minimize it.
- Build awareness and reduce impacts form stormwater runoff and stewardship opportunities.
- Measure behavior change and use this information to improve the education program.

3.2 Current Compliance Activities

Previous Comprehensive Planning activities include identification of LID code amendments designed to make LID the preferred stormwater approach for Burlington.

The City of Burlington coordinated internally on efforts to educate the public on stormwater management issues. The Planning and Public Works Departments incorporated stormwater information into educational outreach (E&O), land use and flood bulletins, and the citywide newsletters. In addition, the City has partnered with SCD to carry out and track public E&O activities. Listed below are the activities undertaken by the City and partner, SCD during 2019. Also discussed at the end of this section are the activities currently planned for 2020.

Stormwater Education Program Summary

This progress report summarizes the storm water public education and outreach and the public involvement and participation activities that were conducted by the Skagit Conservation District (SCD) over the period January 1, 2019 through December 31, 2019. The primary purpose of the Skagit Conservation District's Storm Water Education Program is to provide education and outreach programs in partnership with our local MS4 Permittees

to educate the community about the impacts of stormwater discharges on water bodies and the steps that the community can take to reduce pollutants in stormwater runoff. The SCD's Stormwater Education partnership provides a multifaceted and site specific education plan 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 to
- Create stewardship opportunities that encourages community engagement in addressing the impacts from stormwater runoff.

Skagit MS4 Partners: The SCD's Stormwater Education Program is a local partnership including the City of Mount Vernon, City of Burlington, City of Sedro-Woolley, City of Anacortes, and Skagit County. With the exception of the Skagit Conservation District, all partners are MS4 communities required to prepare Stormwater Pollution Prevention Plans (SWPPP) in accordance with Phase II of the Clean Water Act. The purpose of the partnership is to work together cooperatively, share a common message, avoid duplication of efforts (which in turn will save money and resources), utilize existing programs when possible and to share resources and expertise.

Program Overview: An informed, knowledgeable, and engaged community is crucial to the success of a stormwater management program. Between 2011-2019, the Skagit Conservation District, in partnership with the Cities of Anacortes, Burlington, Mount Vernon, and Sedro-Woolley, and Skagit County, has provided a comprehensive and multifaceted series of programs and opportunities aimed at educating, engaging, and inspiring local stewardship so that the goal of reducing stormwater pollution impacts to our local waterways can be achieved. A variety of education methods and stewardship opportunities were incorporated to reach a wide-range of interest groups, including homeowners, businesses, contractors, youth, and the general public.

3.3 2019 Activities and Planned Activities for 2020:

PUBLIC PARTICIPATION AND INVOLVEMENT

Private Stormwater Facility Maintenance Workshops

A "Managing Stormwater Facilities Maintenance Workshop" was coordinated and held at the Port of Skagit County on July 17th with 47 attendees. The agenda included a municipal overview provided by Daniel Schmidt, City of Mount Vernon; Detention Pond Maintenance: Nuts and Bolts provided by Reid Armstrong, Kulshan Services, LLC; and Involving your Neighborhood Community provided by Kristi Carpenter, Skagit Conservation District. The last hour of the training included a "hands on" field tour to stormwater detention pond facilities on Port of Skagit County property for training on how to inspect and maintain your stormwater detention facility. Handbooks were compiled by SCD staff and provided to all attendees. Promotion of the event was conducted via direct mailing to HOA contact lists in each jurisdiction, press releases provided to all local media, two promotional ads in the local newspapers, promotional fliers distributed throughout the community and posted on websites and other social media.

Watershed Masters Volunteer Training Program

The 2019 Watershed Masters Volunteer Training program was conducted September 25th through November 13th (8-week training) with 35 individuals completing the training. The overall goal of the program is "to increase public awareness on a variety of water quality problems and solutions and to promote community stewardship in regards to water quality."

Participants attend 8 evening lecture sessions and 3 Saturday field days. The training is provided and supported by local and state experts. The program is designed to educate and involve interested community residents (age 17 and up) and to give participants information on ways to make positive behavioral changes in their own lives to protect water quality and to inspire local stewardship of our water resources.

Volunteers who complete the training return forty hours of service. SCD staff works with each Watershed Master Volunteer who has completed the training to design a plan of action for returning the forty hours of training. Watershed Masters are encouraged to pursue projects that best meet their interest, skills, and schedule.

Over the years, participants of the Watershed Masters program have played a leading role in promoting watershed stewardship throughout our community by implementing sustainable landscaping practices in their own backyard, participating in community stewardship projects, and educating their friends, family, and neighbors.

Over 3,200 volunteer hours were reported by Watershed Master Participants in 2019.

Examples of volunteer activities undertaken by Watershed Masters in our community this year have included storm drain labeling, participation in the Skagit Stream Team, Storm Team, and Marine Biotoxin monitoring programs, providing staff support in hosting our stormwater education display at local events, participating in Orca Recovery Day, pet poo patrol at Sharpe County Park & Deception Pass State Park, garden maintenance at the Demonstration Green Stormwater Infrastructure (GSI) project at the Bay View United Methodist Church and the Alger stream restoration and naturescape garden, assisting with stream restoration projects throughout the community, conducting heron foraging counts, conducting salmon spawning surveys, providing presentations on sustainable gardening at local workshops, participating in the community wildlife habitat program, conducting surf smelt surveys in Fidalgo Bay, assisting staff in planning/coordinating community events and workshops, such as the Sustainable Samish Garden Tour, Kids in Nature event, and more.

Skagit Stream Team

The Skagit Stream Team Program was established in 1998 to educate and involve local citizens in the protection and stewardship of local streams. Priority streams currently being monitored by Stream Team volunteers include Trumpeter Basin, Kulshan Creek, Gages Slough, Ace of Hearts Creek, Nookachamps Creek, No Name Slough, Joe Leary Slough, Bay View drainage, and upper and lower Samish. All streams are monitored twice a month with the exception of Gages Slough, which is monitored monthly.

The goals of the Skagit Stream Team program are to: 1) Inspire community stewardship of water resources by educating local citizens about land use and non-point sources of pollution and involving them in the process of water quality data gathering; 2) to develop and implement a routine sampling program that can be used to assess water quality trends, characterize the existing water quality of priority freshwater drainages, and determine how water quality conditions compare to State Standards; 3) to document improvements to water quality as a result of the implementation of Best Management Practices and storm water prevention measures; and 4) to teach community volunteers the sampling and analytical techniques used by environmental professionals, how to manage the data collected and create a database, and the importance of establishing a long-term water quality monitoring program.

Parameters measured by Stream Team volunteers include fecal coliform (FC) bacteria, dissolved oxygen (DO), water temperature, turbidity and total depth.

- 7 Stream Team volunteers monitored the water quality of Ace of Hearts Creek in Anacortes over the 2018/19 monitoring season (Stream Team monitoring year is October through September). The Anacortes Waste Water Treatment Plant conducts lab analysis for this program.
- 11 Stream Team volunteers monitored Kulshan Creek and Trumpeter Basin in Mount Vernon. Mount Vernon Waste Water Treatment Plant conducts lab analysis for Kulshan and Trumpeter.
- 2 Stream Team volunteers monitored Gages Slough through the 2018/19 sampling season. Burlington Waste Water Treatment Plant conducted lab analysis for the Gages Slough Stream Team.
- 68 Stream Team volunteers participated in the 2018/19 Stream Team program overall.
- 8 volunteers conducted storm event sampling in the Padilla Bay watershed during the 2018/19 season in support of the Padilla Bay TMDL and Clean Samish Initiative (Storm Team).
- A Total of 50 monitoring stations were monitored twice a month by Stream Team volunteers, with the exception of Gages Slough which is monitored monthly.
- The Annual Year-End Stream Team Celebration and Recognition event was coordinated and held on June 22, 2019. 68 Stream Team/Storm Team volunteers were recognized.
- 1,088 Stream Team volunteer hours reported for the 2018/19 Stream Team program.
- The Annual Stream Team training was coordinated and held Sept. 11th, 12th, and 14th.
- Data was entered on excel spreadsheet.
- The 2018/19 Annual Stream Team Report is in progress and will be completed in March 2019.

Storm Drain Labeling Program

Storm drain marking kits are available at the Skagit Conservation District. Community groups and residents are encouraged to participate in the protection of water quality by marking storm drains in their neighborhoods and throughout the community.

- 525 storm drains were installed by 4 volunteers in several Mount Vernon, Burlington and Skagit County neighborhoods..
- Inventory for Mount Vernon was exhausted and an additional 250 markers were ordered and funded the City of Mount Vernon, since money was depleted for this task code.
- 100 + promotional fliers were distributed at local events, including the Detention Pond Maintenance Workshop, Watershed Masters, Backyard Conservation, and Stream Team trainings and to local schools. The program is also promoted on SCD's website and Facebook media.

Social Marketing Strategy

In 2019 in response to proposed new public education and outreach requirements outlined in section S5.C.1.b of the revised Western Washington Phase II Municipal Stormwater Permit, which went into effect on August 1, 2019. Section S5.C.1.B requires a new evaluation of the on-going behavior change program to determine program effectiveness and the next steps. Three different options to proceed were provided. The first step in 2019 was to reach consensus as a local group on which option we would proceed with. Staff coordinated with all partners who decided as a group to proceed with option iii: Develop a strategy and schedule for a new target audience and BMP behavior change campaign. Staff time also included the following:

- Staff conducted research and drafted a paper which highlighted priority water quality threats to the Skagit River (that can be improved with human behavior choices).

- Reached agreement with all partners that priority target audience for 2020 will be dog walkers and behavior change will be picking up dog poop, bagging it and putting it in the trash.
- SCD staff contacted all of the City/County Parks and Recreation offices to discuss use of local parks for dog walkers and requested their input on those that are in most need of clean up from dog waste. A list of priority parks was drafted.
- A news article about pet waste was drafted and will be included in the SCD's Winter publication.
- A social marketing plan/strategy will be completed in 2020.

PUBLIC EDUCATION AND OUTREACH

Backyard Conservation Stewardship Program

One of the priority behaviors targeted through the Skagit partnership outreach efforts has focused on yard care techniques protective of water quality. The Backyard Conservation Stewardship Short Course targets local homeowners and provides education on sustainable landscape practices as promoted by the Sustainable Sites Initiative. Program objectives:

- Participants will learn practices that can be applied in their own backyards to help reduce storm water pollution and create a healthy and more sustainable environment.
- Participants will be provided with the tools and resources to design sustainable, natural, backyard landscapes.
- To encourage community participation in the Backyard Wildlife Habitat and/or Backyard Sanctuary Certification programs.
- To create a network of community residents willing to share their love of gardening and the outdoors to inspire others to create environmentally friendly gardening practices that will benefit our community.

Topics included in the 6-week short course include: proper use and disposal of pesticides, herbicides, and fertilizers (and use of non-toxic alternatives), use of native plants in landscaping, reducing size of lawn, gardening for wildlife, using bees as pollinators, applying low impact development/rain gardens, use of permeable pavement for driveways and patios, composting, managing non- native invasive plants, how to build healthy soils, proper disposal of pet waste, preventive car maintenance, and more. Sessions are taught by a knowledgeable and enthusiastic slate of local and state experts.

The 2019 Backyard Conservation Stewardship Short Course was held every Wednesday evening beginning March 20th and continued through April 24th (6 weeks). The program also included two Saturday field tours, including a visit to the WSU Extension Discovery Garden (composting, soils, native plants, and Integrated Pest Management (IPM)), and a Saturday field tour of resident's homes who have taken the class in previous years and have employed sustainable backyard practices on their properties. 56 individuals completed the 2019 Backyard Conservation Short Course.

Outcomes: The Backyard Conservation Stewardship Short Course has played a key role in our efforts to increase levels of voluntary implementation of conservation practices on private lands in both urban and rural areas of our community and to promote natural yard care principles. In addition to making sustainable changes in their own backyards, four grassroots community volunteer groups have now convened from this program, including the Fidalgo Backyard Wildlife Habitat Group in Anacortes, Skagit Valley Backyard Wildlife Habitat Team (Mount Vernon, Conway, LaConner, & Bow), the Friday Creek Habitat Stewards, which includes Burlington and Sedro-Woolley, and the "Backyard Eco Garden Club" emerged from the 2016 class. The Fidalgo, Skagit, and Friday Creek habitat teams have registered our communities with the National Wildlife Federation's Community

Wildlife Habitat Program (Fidalgo and Skagit have already received national recognition as a "Community Wildlife Habitat," and Friday Creek is in progress). Over 1,000 Skagit County residents, and including schools, parks, farms, & businesses, have certified their yards through this program.

Resource Materials & Education for Local Schools

Skagit Conservation District provides support to local schools by providing educational resources and presentations throughout the year.

Educational packets were prepared and distributed to 500 local teachers. The packets include information on stormwater, watersheds, and other resources and educational programs available for teachers and classrooms through the Skagit Conservation District. Promotion of the EnviroScape Model classroom presentations (stormwater runoff and non-point source pollution) was also distributed.

41 storm water education presentations, using the EnviroScape watershed model, were conducted in 2019 at local elementary schools reaching over 936 Skagit County students in the following jurisdictions:

- Burlington: 5 presentations to 113 students
- Mount Vernon: 14 presentations to 336 students
- Sedro-Woolley: 16 presentations to 367 students
- Skagit County: 6 presentations to 120 students

EnviroScape watershed model presentations were also provided at the Kids in Nature event (143 attendees), Concrete Youth Day (400 attendees) and Fidalgo Bay Day (350 attendees).

- "Healthy Water Hopscotch" game was provided at the Burlington Parks and Rec "Pop Up in the Park-Water Wonders" event (25 attendees) and the Skagit River Salmon Festival (2,000 attendees).
- 360 "Discover Stormwater" activity books and 1000 "Clean Water" bookmarks were distributed to local youth.

Workshops for Local Contractors and Businesses

An ecoPRO training for professional landscapers was coordinated and held in the City of Mount Vernon Council Chambers on Feb. 27th, 28th, and March 1st 2019 in partnership with the Washington Association of Landscape Professionals (WALP) and Washington State Nursery & Landscape Association (WSNLA). 31 professional landscapers and municipal staff participated. The ecoPO Certified Sustainable Landscape Professional certification program provides individuals with the credentials to promote their knowledge & commitment to sustainable landscaping practices. The training included 2 days of intense training with the test to earn the professional ecoPRO certification held on March 1st. The program focuses on sustainable landscaping in the following areas:

- Protecting & Conserving Soils
- Protecting & Conserving Water
- Protecting & Creating Wildlife Habitat
- Conserving Energy & Protecting Air Quality
- Sustaining Healthy Plants
- Using Sustainable Methods & Materials
- Protecting Human Health.

A sustainable landscaping workshop, Creating Sanctuary, was also coordinated and held on May 1st with 56 attendees. The training featured award-winning ecological landscape designer and speaker, Jessi Bloom. She owns N.W. Bloom EcoLogical Services, based near Seattle, which is known as an innovator and leader in the field of permaculture, sustainable landscape design, construction and land management. Her work has been recognized by government agencies and industry organizations, and makes headlines in national media.

Puget Sound Starts Here Community Event Display Board

Staff hosted the Stormwater Education display at 13 local events in 2019 reaching over 5,670 attendees (Watershed Art and Discovery Day - 90 attendees, Fidalgo Bay Day - 350 attendees, Kids in Nature - 143 attendees, Skagit Salmon Festival - 2,000 attendees, Storming the Sound - 175 attendees, Seed Sale/Swap - 250 attendees, Alger Fun Raiser - 250 attendees, Sustainable Samish garden Tour - 125 attendees, Concrete Youth Day (400 attendees), 2 Burlington "Pop Up" events (100 attendees), Festival of Family Farms (1,700 attendees) ecoPRO training (31 attendees) Creating Sanctuary Workshop (56 attendees).

Produce Media Advertisements

A "drainscaping" ad was designed and published in local newspapers and on social media during the fall. The "Clean and Mighty Skagit" ad was also published several times throughout the fall/winter in local newspapers and social media.

Other

A "Spotlight on Stormwater" booklet was designed and printed.
The "Don't Just Landscape - Rainscape" brochure was reprinted due to popularity.
Staff continued to distribute the stormwater education poster ("Clean and Mighty Skagit"), the 5 Sustainable Landscaping Fact Sheets, pet waste posters & yard signs, etc.
Staff attended scheduled meetings with local NPDES partners

EDUCATIONAL MATERIALS DISTRIBUTED:

- 52 Detention Pond Maintenance Handbooks distributed
- 250 Spotlight on Stormwater Booklets distributed.
- 500 Don't Just Landscape: Rainscape fliers distributed
- 56 Sustainable Landscape Handbooks distributed
- 10 Pet waste educational posters & outdoor signs distributed
- 250 "Don't Just Landscape, Rainscape" brochures were distributed.
- 250 Soil & Mulch: The Foundation of a Healthy Yard brochures distributed.
- 250 Planning & Planting a Sustainable Landscape brochures distributed.
- 250 Watering Wisely brochures distributed.
- 250 Think Twice Before Using Pesticides brochures distributed.
- 250 Natural Lawn Care brochures distributed.
- 10 Best Management Practices for Power Washing fact sheets distributed.
- 10 Best Management Practices for Mobile Carpet Cleaners distributed.
- 50 copies of the 2017/18 Skagit Stream Team Reports distributed (the report is also on the SCD and Padilla Bay Reserve websites).
- 1,250 “10 Things You Can Do to Prevent Stormwater Pollution” bookmarks distributed.

- 1,000+ NACD “Where Does Your Water Shed” activity booklets and bookmarks distributed.
- 350 Drain Ranger Badges distributed
- 100+ Storm Drain marking volunteer program promotional fliers distributed.
- 125 “Home Tips for Healthy Streams” brochures distributed.
- 125 “10 Essentials Checklist for Rural Landowners” distributed.
- 45 “Turning the Tide on Toxics’ publications distributed.
- 56 Backyard Conservation books distributed
- 150 Native plants of the Pacific Northwest distributed.

Numerous other related handouts are provided to participants of the WSM, Backyard Conservation Stewardship Short Course, Stream Team and participants of workshops & events.

ADDITIONAL ACTIVITIES PLANNED FOR 2020

- The Backyard Conservation Stewardship Short Course will be conducted March 18th through April 22nd in the spring of 2020.
- A "Water Smart Gardening" Workshop has been scheduled for May 13th
- Stormwater Detention Pond Maintenance Workshop to be scheduled.
- Storm drain labeling will continue.
- Skagit Stream Team program will continue with the annual training scheduled for September 9th, 10th, and 12th.
- Work in kicking off the pilot Rain Garden program will continue, including seeking funding to provide incentives for local homeowners.
- The Annual Stream Team Water Quality Report will be published.
- Stormwater education posters will be posted at key locations throughout the community, posted on websites, etc.
- Stormwater education media ads will be published in local media (and continue throughout the year)
- 2 new educational brochures/tip sheets will be published.
- Informational packets highlighting storm water and water quality education will once again be distributed to local schools.
- Staff will continue to provide presentations on storm water education with the watershed EnviroScape model to local school groups.
- Watershed Masters Volunteer training will be held in the fall of 2020.
- The storm water education display will be updated and hands on activities, including the "Stormwater Scavenger Hunt" game will be hosted at local community events (and will continue to enhance the display, promotional materials, and handouts).
- The SCD website will continue to be updated to include relevant storm water and LID information.
- News articles highlighting storm water education, LID practices, and volunteer opportunities will be included in each of the Skagit Conservation District’s newsletters.
- Staff will continue to provide presentations to local groups on storm water and LID as requested.
- Stream Team data will be reviewed and will be used to target priority neighborhoods for follow-up education.
- Staff will continue to provide support to the Watershed Masters, backyard wildlife habitat volunteers, and Skagit Stream Team volunteers.
- All projects will be tracked, evaluation surveys conducted when appropriate, and reporting will continue.

- A Rain Garden incentive program will be developed.
- A social marketing strategy (pet waste campaign) to meet the new stormwater education requirements will be developed.

4.0 Public Involvement and Participation (S5.C.3)

4.1 Permit Requirements

Section S5.C.3 of the Permit requires the City to address the following public involvement and participation elements:

- Provide ongoing opportunities for the public to participate in the decision making processes involving the development, implementation and updates of the SWMP.
- Make the SWMP and Annual Report available to the public, including posting on the City's website by May 31 each year.

4.2 Current Compliance Activities

The City of Burlington provides opportunities for public involvement and participation through City Council and Public Works Committee meetings, community meetings, program evaluation surveys, city web site, and volunteer public participation programs. Status reports on the Stormwater Management Program were presented at the monthly Public Works Committee meetings. These meetings are open to the public and are always listed on the Council Agenda. The current SWMP is made available to the public by posting downloadable versions on the City's website, with a request for public comment.

Public Involvement Opportunity	Description of Opportunity
City Council Meetings	City Council holds meetings twice a month. These are open to the public
Public Works Committee Meetings	Public Works Department holds monthly committee meetings that are open to the public
Website posting of SWMP and Annual Report	Downloadable versions of the current stormwater management documents are available to the public on the City website, with a request for public comment on how the SWMP can be improved.
Storm Drain Workshops	Staff provided support to several workshops and events.
Storm Drain Labeling Project	Storm drain labeling is promoted through SCD's Newsletter (4600 subscribers).
Gages Slough Stream Team	Volunteers are trained and then monitor water quality monthly at 4 sites in Gages Slough each year
Watershed Masters Volunteer Training Program	Watershed Masters Volunteer Training program was conducted September 26th through November 14th, with 14 individuals completing the training.

4.3 Planned Program Activities for 2020

In 2020, the City plans to similarly offer public involvement opportunities. See Section 3.0 Planning, Public Education and Outreach for additional details.

5.0 Mapping and Illicit Discharge Detection and Elimination (IDDE) (S5.C.4&5)

5.1 Permit Requirements

Section S5.C.4&5 of the Permit requires the City to address the following mapping and illicit discharge detection and elimination (IDDE) elements:

- Maintain a map of the MS4 including the pipe size and type of pipe and connections from the MS4 to private systems.
- Implement an ongoing program designed to prevent, detect, characterize, trace, and eliminate illicit connections and illicit discharges, into the Municipal Separate Storm Sewer System (MS4) owned or operated by the City
- Implement ordinances or other regulatory mechanisms to effectively prohibit non-stormwater illicit discharges, and an ongoing program to detect and address illicit discharges.
- Develop procedures for and complete field screening of at least 40 percent of the MS4 no later than December 31, 2017 and on average 12 percent each year thereafter, and document field screening methodology in the Annual Report.
- Publicize a hotline or other local telephone number for public reporting of spills and other illicit discharges
- Inform staff, businesses, and the general public on proper IDDE response procedures and general hazards associated with illegal discharges and improper disposal of waste.
- Track all spills, illicit discharges and connections reported to the City and response actions taken, including enforcement actions.

5.2 Current Compliance Activities

The City has taken many steps to identify and eliminate illicit discharges to address the NPDES Permit requirements. The City has a comprehensive map of its MS4. The map contains all known municipal storm sewer outfalls and receiving waters, and structural stormwater BMP's owned or operated by the City. The City tracks and locates all outfalls, retains development records, and updates the map on an annual basis to show all connections. The map is periodically updated in AutoCAD. Copies of the map are available to the public at the Public Works/ Engineering Department counter. The pipe size and type of pipe were added to existing mapping documents.

An outfall reconnaissance inventory was conducted during dry weather conditions to screen for illicit connections. This inventory was conducted in accordance with the Center for Watershed Protection's Illicit Discharge Detection and Elimination Guidance Manual. A pollutant source study was previously completed to identify potential pollutant generating sources, activities, and hotspots within the City of Burlington.

The City of Burlington is supported by the Skagit County Health Department for source control and pollution prevention education. Through the local source control program, the County Health Specialists have made 209 business inspection visits in Burlington since 2008. Specifically, visits were made to dry cleaners and automotive

businesses in 2019. In previous years, business inspections included 30 visits made in 2018, 12 visits were made in 2017, 20 visits were made in 2016, 19 visits were made in 2015, 28 visits in 2014, 13 visits in 2013, 18 visits in 2012, 22 visits in 2011, 9 visits in 2010, 36 visits in 2009, and 2 visits in 2008. The year to year variation is due to a special emphasis on different business types each year. This program will continue in 2020. Educational materials were distributed to the businesses and the County sent follow-up letters itemizing specific recommendations for pollution prevention.

The biannual Flood Bulletins encourage the general public to report spills and illegal discharges to the Police Department and provides phone numbers. A water quality, illicit discharge hotline number (360-755-9715) is posted on the City's website. The Public Works Department is ready to record all calls regarding illicit discharges or illegal spills that are received on the hotline. No calls were received on the hotline number in 2019. The Fire Department and/or Police Department responded to 4 calls relating to spills. These were primarily minor spills of automotive fluids. All circumstances were dealt with fully and resolved and contained prior to entering the MS4.

The City follows a spill response plan that is housed at both the public works engineering department and the street department. This plan offers detailed instructions to first responders. Minor items like those associated with less toxic discharges such as wash water and can be handled by public works staff. Most of these are not continuous and can be addressed directly with the discharger. Emergency contacts and reporting requirements are explicitly discussed. A spill report form is used to document the event. All crew vehicles have spill kit for containment and cleanup of small spills. The street crew has received training on the spill response plan and safety meetings address any additional questions or concerns that arise.

Medium and large spills require the fire department and/or police department to be notified. These departments have emergency response protocols that include procedures for characterizing the nature of and potential threat to the public from illicit discharges. They have extensive training in emergency situations. Because the City is not equipped to respond to all hazardous spills, the City relies on Skagit County Department of Emergency Management (SDEM), Ecology and other agencies to assist. The fire department will call upon the SDEM if the spill clean-up is beyond its capabilities. Both departments have incident tracking software documenting each circumstance and follow-up actions. All incidents are summarized in the annual report to Ecology.

5.3 Planned Program Activities for 2020

The city plans to continue to responding to illicit discharges at a commensurate level of effort listed above.

6.0 Controlling Runoff from New Development, Redevelopment and Construction Sites (S5.C.6)

6.1 Permit Requirements

Section S5.C.6 of the Permit requires the City to address the following elements regarding controlling runoff for new development, redevelopment and construction sites:

- Enforce regulations to ensure proper installation of permanent stormwater controls for both private and public projects.
- Implement a permitting process for development that includes plan review, inspection, and escalating enforcement capability.
- Verify adequate long term operation and maintenance

- Provide copies of the Notice of Intent for construction or industrial activities to representatives of the proposed new development and redevelopment as applicable
- All primary staff are trained on stormwater program implementation
- Implement a process to record and maintain all inspections and enforcement actions by staff, and provide an inspection of all permanent stormwater treatment and flow control facilities including those on private property or associated with single family residences.

6.2 Current Compliance Activities

The City continues to require the use of the 2012 DOE Manual (2014 amendment) and LID to control runoff from new development, redevelopment and construction sites.

- City Staff were trained in the use of the 2012 Manual and instruct development applicants to meet the new requirements to guide practices related to new development or redevelopment
- At monthly Technical Review Committee meetings, the City instructs developers to comply with the 2012 manual requirements
- Public Works Department reviews stormwater site plans and maintenance plans for all new development and redevelopment projects
- The City also conducts pre- and post-construction inspections, and enforces implementation of Best Management Practices during construction and tracks these inspections and enforcement actions
- The City Permit Center provides information on Ecology's Construction Stormwater General Permit, Notice of Intent (NOI's) for all permitted development
- The City Public Works Department currently inspects all public stormwater treatment facilities on an annual basis and records these inspections in log books
- The City updated development codes.

6.3 Planned Program Activities for 2020

The city plans to continue to control runoff at a commensurate level of effort as in 2019.

7.0 Pollution Prevention and Operation and Maintenance for Municipal Operations (S5.C.7)

7.1 Permit Requirements

Section S5.C.7 of the Permit requires the City to address the following operation and maintenance elements:

- Continue an operations and maintenance program including training, with the ultimate goal of preventing pollutant runoff from municipal operations
- Perform and document annual inspections and maintenance of stormwater facilities including enforcement on responsible party
- Update maintenance standards to the 2019 Stormwater Management Manual for Western Washington prior to December 31, 2021.
- Implement practices, policies, and procedures to reduce stormwater impacts associated with runoff from all lands owned by the City of Burlington
- Implement an ongoing training program for employees whose primary construction, operations or maintenance job functions may impact stormwater quality

- Implement a Stormwater Pollution Prevention Plans (SWPPPs) for all heavy equipment maintenance or storage yards, and material storage facilities owned or operated by the City

7.2 Current Compliance Activities

The City of Burlington maintains its stormwater facilities on an annual basis and responds promptly to reported maintenance issues. The inspection program for private stormwater facilities requires maintenance within 60 days of inspection problem notification. In addition, the City completed the following:

- Implemented the components of the SWPPP for the maintenance yard located off Section Street
- Continued to inspect municipally owned facilities at least once annually and after major storms
- Continued to inspect privately owned facilities and ensure maintenance when needed

7.3 Planned Program Activities for 2020

The city plans to continue to implement pollution prevention and maintenance for municipal operations at a commensurate level of effort as in 2019.

8.0 Source Control Program for existing development (S5.C.8)

8.1 Permit Requirements

The Permit requires the City of Burlington to implement a program to prevent or reduce pollutants in runoff from existing development that discharge to the MS4 including:

- Application of operational and/or structural source control or treatment BMPs and facilities
- Inspections of pollution generating sources at privately owned sites and NPDES permitted sites including enforcement of local codes and ordinances
- Practices to reduce polluted runoff from the application of pesticides, herbicides, and fertilizers

8.2 Current Compliance Activities

The City of Burlington is supported by the Skagit County Health Department for source control and pollution prevention education. Through the local source control program, the County Health Specialists have made 209 business inspection visits in Burlington since 2008. Specifically, visits were made to dry cleaners and automotive businesses in 2019. In previous years, business inspections included selected industries with 30 visits made in 2018, 12 visits were made in 2017, 20 visits were made in 2016, 19 visits were made in 2015, 28 visits in 2014, 13 visits in 2013, 18 visits in 2012, 22 visits in 2011, 9 visits in 2010, 36 visits in 2009, and 2 visits in 2008. The year to year variation is due to a special emphasis on different business types each year. This program will continue in 2020. Educational materials were distributed to the businesses and the County sent follow-up letters itemizing specific recommendations for pollution prevention. This program will continue while development of the expanded program occurs.

8.3 Planned Program Activities for 2020

The city plans to continue to implement source control as described above at a commensurate level of effort as in 2019. The city plans no later than August 1 2022 to update codes to include source control BMPs

9.0 Monitoring and Assessment (S8)

9.1 Permit Requirements

The Permit requires municipalities to conduct water quality sampling and program assessments during this permit cycle or to participate in State conducted programs to meet these requirements:

- The City of Burlington has selected Option 1 regarding status and trends monitoring and will pay into a collective fund as part of the Regional Stormwater Management Program.
- The City of Burlington has also selected Option 1 regarding effectiveness studies and will pay into a collective fund.
- The City of Burlington also participates in collective fund for source identification and diagnostic monitoring as required by the permit.

9.2 Current Compliance Activities

The City has selected Option 1 for status and trends monitoring, and Option 1 for effectiveness studies.

9.3 Planned Program Activities for 2020

The city plans to continue to participate in these collectives/studies at a commensurate level of effort as in 2019.