2018 NPDES Annual Report

and

Stormwater Management Program Plan

March 7, 2019

A Citywide Responsibility

Key Contributors

- **Public Works**
  - Water Resources
  - Transportation
  - General & Engineering Services
  - Fleet & Facilities

- **CP&D**
  - Planning
  - Permitting
  - Engineering/Building

- **Parks**
  - O&M

Working Together to **Make a Difference**

WE are the City of Olympia

Permit Requirements

1. Public Education & Outreach

2. Public Involvement

3. Illicit Discharge Detection & Elimination (IDDE)

4. Construction Site Runoff

5. Municipal Operations and Maintenance (O&M)

6. Compliance with TMDL

7. Monitoring and Assessment

8. Reporting

Issuance Date: August 1, 2012
Effective Date: August 1, 2013
Expiration Date: July 31, 2018
Modification Date: January 16, 2014

Western Washington Phase II Municipal Stormwater Permit

National Pollutant Discharge Elimination System and
State Waste Discharge General Permit
for discharges from Small Municipal Separate Storm Sewers
in Western Washington

State of Washington
Department of Ecology
Olympia, Washington 98504-7600

In compliance with the provisions of
The State of Washington Water Pollution Control Law
Chapter 90.48 Revised Code of Washington
and
The Federal Water Pollution Control Act
(The Clean Water Act)
Title 33 United States Code, Section 1251 *et seq.*

Until this permit expires, is modified, or revoked, Permittees that have properly obtained
coverage under this permit are authorized to discharge to waters of the state in accordance with
the special and general conditions which follow.

Heather R. Bartlett
Water Quality Program Manager
Department of Ecology

Public Education and Outreach

- General Public and Businesses

- Engineers, Contractors, Developers and Land Use Planners

- Residents, Landscapers, and Property Managers/Owners

2018 Public Education and Outreach Summary

Olympia

	TOTAL	Action / Stewardship	Education /Class /Workshop	Education / Schools	Public Education/ Partnership	Salmon Stewards
# of events	210	106	24	79	1	
# of attendees	2,049	531	884	452	100	82
# of volunteers	399	235	27	130		7
# of volunteer hours	1,237	682	202	333		20
# of citizens reached (+ newsletters)	4,223		56	1,842		

Definitions

Action/stewardship	Includes water quality and sense of place related citizen monitoring (Macro, Amphibian, Purple Martin, Forage Fish, Phytoplankton etc.) invasive plant removal and restoration planting of native trees and plants.
Education / Class/Workshops	Adult/family programming concerning WQ and backyard habitat restoration including: wildlife - habitat related workshops, Marine Creature Mondays, natural yard care beach seining, rain gardens lectures, bat lectures, stormwater facility maintenance, etc.
Education/Schools	Water Quality and Habitat Focused environmental education for Olympia School District incorporating South Sound GREEN program. ORLA Schoolyard Water Quality Curriculum.

Other Outreach

Natural Yard Care	Promoted natural lawn care videos on TCTV and City and StreamTeam websites and publications. Sent quarterly natural lawn care tip emails to 211 residents. Partnered with STORM jurisdictions to create Comcast Spotlight Natural Yard Care BMP ad reaching 80,000 viewers in Thurston County.
Stream Team Newsletter/ Website/Facebook	In collaboration with other Stream Team jurisdictions co-produce a quarterly newsletter that is electronically delivered to @2000 people. 10,450 paper copies are distributed region wide (approximately 2325 in Olympia). Co-developed and maintain a website and Facebook page for Stream Team.
Car Wash Program	Can Clean Cars Clean Streams article in the Stream Team Newsletter Summer Edition. Partnered with STORM jurisdictions to create Comcast Spotlight car washing BMP ad reaching 80,000 viewers in Thurston County.
Rain Garden Incentives	Provide cost share incentives to Olympia residents to encourage the installation of rain gardens.

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Public Involvement

- Advisory Councils

- Public Meetings/Hearings

- Watershed Committees

- Participation in developing rate-structures

Illicit Discharge Detection and Elimination (IDDE)

- Prevent, Detect, Trace, and Eliminate Illicit Connections and Illicit Discharges
  - Spill Hotline: 753-8333 (PW Dispatch)
  - 20 illicit discharges eliminated during 2018

- Compliance and Enforcement

- Stormwater System Mapping

- Training Field Staff

Construction Site Runoff

- Drainage Design and Erosion Control Manual for Olympia

- CP&D and PW Coordination
  - Development Plan Review
  - Inspections
  - Compliance & Enforcement

- Training (Erosion Control, LID, SW Design)

Operations and Maintenance (O&M) Pollution Prevention

- Stormwater System Inspections
  - Spot Checks – "hot spot" list
  - Catch Basins
  - Treatment and Flow Control Facilities

- Stormwater Pollution Prevention Plan (SWPPPs)
  - Public Works Maintenance Center
  - Priest Point Park Maintenance Facility

- Training (Spill Response, Erosion Control, BMPs)

TMDL and Monitoring

- Henderson
  - Continue Monitoring of Taylor Wetland Outfall

- Deschutes
  - EPA approved some elements of the TMDL plan and disapproved others.
  - Olympia continues commitment to meet many of the requirements

Deschutes River, Percival Creek, and Budd Inlet Tributaries Temperature, Fecal Coliform Bacteria, Dissolved Oxygen, pH, and Fine Sediment Total Maximum Daily Load

Water Quality Improvement Report and Implementation Plan - FINAL

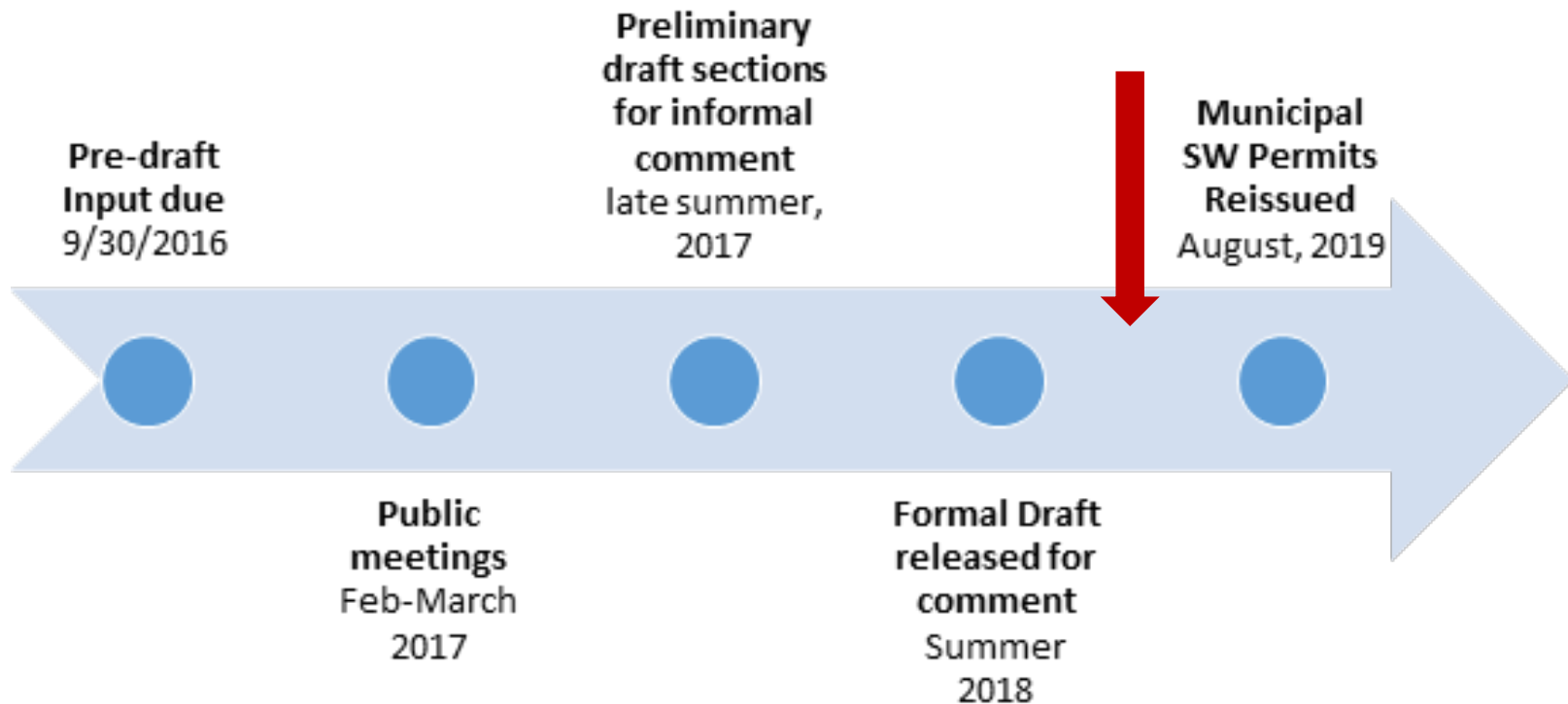DEPARTMENT OF ECOLOGY State of Washington

December 2015
Publication no. 15-10-012

Monitoring and Assessment

- Stormwater Action Monitoring

- Interlocal Agreement with Thurston County
  - Black Lake Ditch
  - Chambers Creek
  - Indian Creek
  - Moxlie Creek
  - Percival Creek

Permit Update Process

Proposed New Programs

- Source Control
  - Business Pollution Prevention
  - 2 yrs ordinance adoption and priority of businesses
  - 2.5 yrs begin inspections
    - Compliance = 20% inspection rate / yr

- Long-term Watershed Basin Planning
  - Planning with Interdisciplinary Teams
  - Guidance documents
  - Inventory and Prioritization
    - Least impacted = highest priority

Thank You! Any Questions?