

City of Olympia's NPDES Annual Report and Stormwater Management Program Plan Overview

March 2, 2017





Clean Water Act



NPDES Permit Program



Phase I Permits



Phase II Permits

A Citywide Responsibility

Key Contributors

- Public Works
 - Water Resources
 - Transportation
 - General & Engineering Services
 - Fleet & Facilities
- CP&D
 - Planning
 - Permitting
 - Engineering/Building
- Parks
 - O&M



Key Contributors



Tami Tonder



Tami Reed

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

5 - Public Education and Outreach
2016 Summary

	TOTAL	Action / Stewardship	Education /Class /Workshop	Education / Schools	Salmon Stewards
# of events	119	43	33	43	0
# of attendees	3721	970	1528	1174	49
# of volunteers	147	36	19	92	0
# of volunteer hours	1408.5	965.5	71	272	100
# of citizens reached	1357	0	79	0	1278

Definitions

Action/stewardship -	Includes water quality and sense of place related citizen monitoring (Macro, Amphibian, Purple Martin, Forage Fish, Phytoplankton etc.) storm drain marking, drain raking, 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, lawn 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.

Other Outreach

Natural Lawn Care Program	Developed and implemented the Great Yards Get-together natural lawn and yard care demonstration workshop event. Produced 8 natural lawn care videos for regional use. Created Kasey Keller natural lawn care challenge through utility bill insert article, received 165 pledges. Sent quarterly natural lawn care tip emails to 215 residents.
Stream Team Newsletter	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).
Stream Team Website	In collaboration with other Stream Team jurisdictions co-developed and maintain a website for Stream Team.
Pet Waste Program	Distributed nine neighborhood pet waste stations (4 to canoe landing event). Distributed 120 small pet waste bag dispensers to Olympia residents through outreach events and front counter. Created pet waste brochure insert. Mailed letters to Olympia pet supply stores, vets and kennels to raise awareness & offer free pet waste brochures to display.
Car Wash Program	Created Clean Cars Clean Stream articles for Thurston Talk and for City utility bill insert.
Lawn Aeration Program	Provide cost share incentives for residential property owners to rent an aerator and aerate their own lawns. 9 residential property owners participated in this program in 2016.
Rain Garden Incentives	Provide cost share incentives to Olympia residents to encourage the installation of rain gardens. Four rain gardens were installed with two incentives provided in 2016.
Construction Stormwater Pollution Prevention Program	Researched information, conducted surveys, and collected data to begin development of CDSM CSWPP program.
Don't Drip and Drive Campaign	Sent Don't Drip and Drive recruitment letters and conducted site visits with Olympia automotive businesses. 7 shops registered to participate in program offering free vehicle inspections and 10% discount on repairs.
Storm Drains	Rake a drain article was created for utility bill insert.
Holiday Tree Rental	Working with a local tree nursery, participants purchase holiday tree to be donated or self-planted for restoration. 150 trees were purchased (2016) @ 70 trees used for restoration projects.
Utility Insert	Articles regarding natural lawn care, car washing, keeping storm drains clear.

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)
 - 15 illicit discharges eliminated during 2016
- 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
 - Assessing potential 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***



December 2015

Publication no. 15-10-012

Monitoring and Assessment

- Regional Stormwater Monitoring Program
- Interlocal Agreement with Thurston County
 - Black Lake Ditch
 - Chambers Creek
 - Indian Creek
 - Moxlie Creek
 - Percival Creek

Thank You! Any Questions?

