



**CITY OF PACIFIC
2015
STORMWATER
MANAGEMENT
PROGRAM
(SWMP) PLAN**

This SWMP is an attachment to the City's 2014 Annual Report to the Department of Ecology for its Phase II NPDES Permit

*

*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.*

TABLE OF CONTENTS

1.	INTRODUCTION.....	1
	Overview and Background.....	1
	Departmental Responsibilities	2
	Document Organization.....	2
2.	STORMWATER MANAGEMENT PROGRAM.....	3
	Public Education and Outreach	3
	Public Involvement and Participation	5
	Illicit Discharge Detection and Elimination (IDDE)	5
	Controlling Runoff from Development, Redevelopment, and Construction Sites	7
	Municipal Operations and Maintenance (O&M)	10
	NPDES Program Administration	10
3.	STORMWATER MONITORING.....	13

Abbreviation and Acronyms

AKART	All Known, Available, and Reasonable Methods of Prevention, Control, and Treatment
BMP	Best Management Practice
CESCL	Certified Erosion and Sediment Control Lead
City	City of Pacific
Ecology	Washington Department of Ecology
IDDE	Illicit Discharge Detection and Elimination
PMC	Pacific Municipal Code
PSAC	Pacific Stormwater Advisory Committee
LID	Low Impact Development
MEP	Maximum Extent Practicable
MS4	Municipal Separate Storm Sewer System
NOI	Notice of Intent
NPDES	National Pollutant Discharge Elimination System
O&M	Operation and Maintenance
Permit	Phase II Western Washington NPDES Municipal Stormwater Permit
Phase II Permit	Phase II Western Washington NPDES Municipal Stormwater Permit
SIDIR	Source Identification Information Repository
SWMMWW	Stormwater Management Manual for Western Washington
SWMP	Stormwater Management Program
SWPPP	Stormwater Pollution Prevention Plan

CITY OF PACIFIC STORMWATER MANAGEMENT PROGRAM 2015

I. INTRODUCTION

Overview and Background

The City of Pacific (City) operates a municipal separate storm sewer system (MS4) which collects and conveys stormwater runoff from developed areas of the City to surface waters. Discharge of runoff from the MS4 is regulated by the Washington State Department of Ecology (Ecology), and the City is required to obtain a permit to operate the system.

The Western Washington Phase II Municipal Stormwater Permit (Permit) outlines stormwater program activities and implementation milestones that the City must follow to comply with federal Clean Water Act. As a general permit, the Permit applies to more than 80 MS4s in western Washington. Each Phase II community is required to develop a Stormwater Management Program (SWMP) that includes a description of the required activities, implement those activities within the required timeframes of the permit term, and submit annual reports to Ecology by March 31st each year to document progress toward permit compliance.

Pacific was first issued a Phase II Permit in 2007 and has been implementing a SWMP since that time.

Ecology issued the current Permit in 2012, and it became effective on August 1, 2013. Ecology subsequently issued a permit modification on December 17, 2014, which became effective January 16, 2015. The permit modification includes minor changes to correct inconsistencies and scrivener's errors, changes to definitions to clarify the intent of some permit language, and substantial changes to the watershed-scale stormwater planning requirement, which is not applicable to the City. The Permit covers a five-year period from August 2013 to July 2018.

Stormwater flows from the City eventually enter the White River through gravity outfalls

In accordance with Permit requirements, the City has developed a SWMP designed to reduce the discharge of pollutants to the maximum extent practicable (MEP), meet all known, available, and reasonable methods of prevention, control and treatment (AKART) requirements, and to protect water quality. The following sections describe the actions that Pacific has and will take to comply with the requirements of the Permit.

Departmental Responsibilities

The City Stormwater Manager under the supervision of the Public works Department Head is responsible for general Permit compliance, stormwater public education, and outreach, public involvement in stormwater concerns, regulating the entrance of non-stormwater pollutants into the MS4, regulating runoff on construction sites and developments.

The City Engineer is responsible for developing procedures for compliance with the Permit, planning stormwater capital projects, training staff from other departments, and reporting.

The Public Works Department is responsible for spill response, maintaining components of the MS4, and operating City properties such as roads, rights-of-way, parks, and municipal buildings in a manner that prevents and reduces stormwater impacts.

Employees in the Police Department are responsible for maintaining awareness of the stormwater system and reporting potential illicit discharges that may be observed during the normal course of their duties in the community.

The City's stormwater utility funds the SWMP based on impervious area for commercial properties and on a base rate for residential properties.

Document Organization

This report comprises the required written documentation of the City's SWMP.

To aid in tracking NPDES permit requirements, this document has been organized into sections that correspond with the Permit Special Conditions and are outlined in the Phase II Permit as follows:

- Chapter 2 – Stormwater Management Program
 - 2.1 - Public Education and Outreach, Special Condition S5.C.1
 - 2.2 - Public Involvement and Participation, Special Condition S5.C.2
 - 2.3 - Illicit Discharge Detection and Elimination (IDDE), Special Condition S5.C.3
 - 2.4 - Controlling Runoff from New Development, Redevelopment, and Construction Sites, Special Condition S5.C.4
 - 2.5 - Operation and Maintenance for Municipal Operations, Special Condition S5.C.5
 - 2.6 - NPDES Program Administration
- Chapter 3 – Stormwater Monitoring

2. STORMWATER MANAGEMENT PROGRAM

This chapter describes five required components of the NPDES Permit Stormwater Management Program and the City's plan to meet each requirement and administer the program.

Public Education and Outreach

The City's public education and outreach program focuses on building general awareness among the public of problems created by stormwater runoff. The program is carried out by the Stormwater Manager.

Permit Requirements

Section S5.C.1 requires the following:

- Develop and administer an education program to reduce or eliminate behaviors and practices that cause or contribute to adverse stormwater impacts and encourage the public to participate in stewardship activities. The program must target residents, businesses, industry, and city employees at all levels.
- Provide an education and outreach program designed to educate target audiences about the stormwater problem and provide specific actions they can follow to minimize the problem.
- Measure adoption of targeted behaviors for at least one target audience in at least one subject area. Use the resulting measurements to direct outreach resources most effectively and to evaluate changes in adoption of the targeted behaviors and evaluation of the education program's effectiveness at changing targeted behaviors.
- Create stewardship opportunities to encourage residents to participate in activities such as stream teams, storm drain marking, volunteer monitoring.

Existing Programs and Activities

The City will continue to encourage comments on the SWMP through a variety of communication methods, including the City website and public access television (TV) 21. The Annual Report, SWMP plan, IDDE Program Plan, and SWPPPs will continue to be posted on the website. The public will be able to provide feedback via email, telephone, and letters.

City staff have ongoing discussions with the City Council Public Works Committee regarding stormwater and the Phase II Permit.

Planned Activities

Table 2 summarizes the City's planned activities associated with public involvement and participation.

Table 2: Planned public involvement and participation opportunities.

Activity	Tasks	Lead	Schedule or Frequency
Public Involvement in the SWMP	Solicit feedback on website	Stormwater Manager / City Engineer	Ongoing
Revise SWMP Plan	Update SWMP Plan with planned activities for 2014	Stormwater Manager / City Engineer	Update SWMP Plan in spring 2014; post on City's website by May 31, 2014
Prepare and Submit Annual Report	Prepare and submit Annual Report; submittal should include SWMP Plan and other supplemental documentation (if applicable)	Stormwater Manager / City Engineer	No Annual Report submittal required in 2014; the next Annual Report submittal to Ecology is required by March 31, 2015

Public Involvement and Participation

The City's public involvement and participation program is designed to seek regular input from stakeholders through the Pacific Stormwater Advisory Committee (PSAC). The City Engineer carries out this requirement.

2.2.1 Permit Requirements

Section S5.C.2 requires the following:

- Provide ongoing opportunities for public involvement through advisory councils, public hearings, participation in developing rate structures or other similar activities.
- Create opportunities for the public to participate in the decision-making processes involving the development, implementation and update of the SWMP.
- Make the SWMP document and Annual Report available to the public on the City's website. Any other submittals required by Ecology also must be available on the website.

2.2.2 Existing Programs and Activities

Pacific's activities in this area are ongoing:

- Holds quarterly public meetings of KSAC.
- Seeks public input through the City Council.
- Posts annual reports, the SWMP, and other stormwater-related documents to the City's website.

2.2.3 Planned Activities

Planned activities for 2015 include:

- Continue to hold quarterly meetings of KSAC.
- Update the SWMP by March 2015.
- Post the SWMP and 2014 Annual Report to website by May 2015.

Illicit Discharge Detection and Elimination (IDDE)

The City's IDDE ordinance prohibits the discharge of non-stormwater, with a few exceptions, into the MS4. The IDDE program guides City responses to spills and to reports of potential discharges to the storm sewer. Staff monitored the system through inspection of priority outfalls. During the permit term, the City plans to make minor modifications to its prohibited and allowable discharges, update its MS4 maps, and increase system monitoring through a greater number of outfall inspections. The program is carried out primarily by the Stormwater Manager, although primary responsibility for spill response is with Public Works.

1.3.1 Permit Requirements

Section S5.C.3 requires the following:

- Implement an ongoing program to prevent, detect, characterize, trace, and eliminate illicit discharges, connections and improper disposal into the MS4.
- Develop a storm sewer system map and update it on an ongoing basis.

- Implement an ordinance to prohibit non-stormwater illicit discharges into the MS4 that includes allowable discharges, conditionally allowable discharges, and escalating enforcement procedures and actions.
- Implement a compliance strategy that includes informal compliance actions such as public education and technical assistance as well as escalating enforcement penalties and an enforcement strategy. Include the following tools:
 - Apply operational and structural source control Best Management Practices (BMPs) for pollutant generating sources to prevent illicit discharges.
 - Maintain stormwater facilities to standards to prevent illicit discharges.
- Implement an ongoing program to detect and identify non-stormwater discharges and illicit connections to the MS4, including the following components:
 - Procedures for conducting investigations of the MS4, including field screening and methods for identifying potential sources of illicit discharges and connections.
 - Publicize a hotline or other local telephone number for reporting of spills or other illicit discharges.
 - Provide appropriate training to City field staff on identification and reporting of illicit discharges.
 - Inform public employees, businesses, and the general public of the hazards associated with illicit discharges and improper disposal of waste.
- Implement an ongoing program to address illicit discharges and illicit connections, including the following components:
 - Procedures for characterizing the nature of, and threat posed by, any illicit discharges found by or reported to the City, including evaluating if the discharge must be immediately contained.
 - Procedures for tracing the source of an illicit discharge, including visual inspection and other methods and procedures.
 - Procedures for eliminating the discharge through notification, technical assistance, inspections, and the compliance strategy required above.
- Comply with requirements to address illicit discharges found or reported within permit-established timelines (see S5.C.3.d.iv.).
- Train technical staff that is responsible to conduct these activities.
- Track and maintain records of the activities conducted to meet the requirements of S5.C.3.

Existing Programs and Activities

Pacific's activities in this area are both completed and ongoing.

Completed Activities

- Developed a stormwater system map with outfalls located.
- Adopted Ordinance 1726 prohibiting illicit discharges in 2009; it is codified as Pacific Municipal Code (PMC) 24.08.120.
- Developed procedures for detection, reporting, characterization, response, investigation, removal, clean-up, and enforcement in the Illicit Discharge detection and Elimination, A guidance manual for program development and Technical Assessment

Ongoing Activities

- Follows procedures for detection, reporting, characterization, response, investigation, removal, clean-up, and enforcement in the *Municipal Stormwater Illicit Discharge Detection and Elimination (IDDE) Program 2011*.
- Contacts the public to provide education and enforcement when illicit discharges are reported or discovered.
- Provides training on IDDE awareness one time per permit term to Public Works field staff and Police.
- Operates a stormwater hotline.
- Tracks illicit discharge reports and responses.

Planned Activities

Planned activities for 2015 include:

- Continue ongoing activities listed above, including enforcing PMC 24.08.120, responding to illicit discharges and spills, educating the public about the hazards of IDDE through educational enforcement, and providing the public ways to report illicit discharges and spills.
- Map any new public (City-operated) stormwater treatment and flow control facilities constructed in 2014.
- Map discharge points.
- Train municipal field crews, including Public Works and Police, in IDDE awareness.
- Obtain additional training in field investigation, tracing, and follow-up for the Public Works Crew
- Create new standard operating procedures in the Pacific IDDE manual for indicator sampling of physical and chemical parameters.
- Select subset of outfalls to screen.
- Follow indicator sampling procedures, when required, in response to illicit discharges discovered during field screening.

Controlling Runoff from Development, Redevelopment, and Construction Sites

The Community Development / Public Works Department (CDPWD) is responsible for permitting, inspection, and code enforcement actions for construction-related activities in the City.

This section describes the Phase II Permit requirements related to controlling runoff from new development, redevelopment, and construction sites, including current and planned activities.

2013-2018 Phase II Permit Requirements

Section S5.C.4 of the 2013-2018 Phase II Permit requires the City to develop and implement a program to reduce pollutants in stormwater runoff from new development, redevelopment, and construction activities. The program is to be applied to all sites that disturb a land area 1 acre or greater, including projects less than 1 acre that are part of a larger common plan of development or sale. The specific Phase II Permit requirements are as follows:

- ◆ Implement an ordinance or other enforceable mechanism that addresses runoff from new development, redevelopment, and construction sites by December 31, 2016.
- ◆ Continue to implement a site planning process and BMP selection and design criteria that meet the -

Technical Thresholds in Appendix 1 of the Phase II Permit and will protect water quality, reduce the discharge of pollutants to the maximum extent practicable, and satisfy State requirements to apply all known, available, and reasonable methods of prevention, control, and treatment (AKART) prior to discharge.

- ◆ Continue to implement a permitting process with plan review, with the legal authority to inspect private stormwater facilities that discharge into the City stormwater system, using qualified personnel. Ongoing training program for planning and review staff.
- ◆ Conduct inspections of construction sites prior to clearing and construction, during construction, and upon completion of construction.
- ◆ Conduct annual inspections of all stormwater treatment and flow control BMPs/facilities that discharge to the stormwater system and were permitted by the City since 2007 (unless maintenance records justify a reduced inspection frequency).
- ◆ Provide ongoing training program for staff responsible for implementing the program to control stormwater runoff from new development, redevelopment, and construction sites.
- ◆ Review, revise, and make effective local development-related codes, rules, standards, or other enforceable documents to incorporate and require LID principles and LID BMPs by December 31, 2016. Submit a summary of the results of the review and revision process with the annual report due no later than March 31, 2017

Current Activities

The City has a permitting process implemented through its CDPWD that includes plan review, inspection, and enforcement. All sites that include clearing, grading, other land- disturbing activities, or development must go through the permitting process. This process includes final inspections prior to approval of project construction to ensure proper installation of permanent stormwater controls such as stormwater facilities and structural BMPs.

Pacific Municipal Code (PMC) 24.08.100 - Stormwater management manuals adopted, adopts the latest version of the King County Surface Water Design Manual. These standards are further amended by PMC 24.08 to be equivalent to Ecology’s Stormwater Management Manual for Western Washington (2009) for projects disturbing more than 1 acre. The City currently issues stormwater permits and performs inspections for construction projects both greater than and less than Ecology’s 1-acre threshold. The City’s previous standards still apply for sites disturbing less than 1 acre.

The City’s updated stormwater regulations clearly identify responsibilities for maintenance, repair, operation, and inspection of private stormwater systems. These responsibilities lie with the property owner.

The City encourages developers to schedule a pre-development conference prior to beginning a project. Staff inform developers and designers of the preference for implementation of LID measures.

Training opportunities for City staff are pursued on an ongoing basis. Internal staff training is conducted on an ongoing basis to leverage knowledge from City staff who have attended pertinent training courses.

Planned Activities

Table 4 summarizes the City’s planned activities associated with controlling runoff from new development, redevelopment, and construction sites.

Table 4: Planned activities to control runoff from new development, redevelopment, and construction sites.

Activity	Tasks	Lead	Schedule or Frequency
Develop/update documents and forms to	Ongoing process	City Engineer	Ongoing

Table 4: Planned activities to control runoff from new development, redevelopment, and construction sites.

Activity	Tasks	Lead	Schedule or Frequency
improve the permitting process			
Update City’s website to improve stormwater management and regulatory information	Ongoing process	Stormwater Manager / City Engineer	Ongoing
Staff Training	Pursue training opportunities for development review and inspection staff Conduct internal staff training by leveraging knowledge from City staff who have attended pertinent training courses	Stormwater Manager / City Engineer	Ongoing
Review All Stormwater Site Plans	Continue current practices	City Engineer / Consultant	Continue current practices and update as needed
Construction Site Inspections	Review and refine the inspection procedures used during construction to inspect/enforce TESC measures on projects exceeding the 1-acre land disturbance threshold	Stormwater Manager / City Engineer	Continue current practices and modify as needed
Inspections of Subdivision Stormwater Controls During Construction Period	Review and refine the inspection program for residential subdivisions while individual lots are in construction	Stormwater Manager / City Engineer	Continue current practices and modify as needed
Record Keeping	develop permit tracking system to track the status of plan reviews, inspections, correction notices, and final project approvals	Stormwater Manager / City Engineer	Ongoing
Notice of Intent Availability	Continue to support Ecology by distributing copies of the “Notice of Intent for Construction Activity” at the City permit counter	City Engineer	Ongoing
Revise Stormwater Ordinances	Revise ordinances to reflect the elimination of the 1-acre threshold and incorporate new LID language	City Engineer	Before December 31, 2016
Review and Adopt New Stormwater Manual	Review the 2012 Stormwater Management Manual for Western Washington to determine what code amendments may be required by the City	City Engineer	Before December 31, 2016
Expand Construction Site Inspection Program to Incorporate Sites < 1-acre	Review and refine the inspection program for residential subdivisions	City Engineer	Before December 31, 2016
Review and Revise Local Development-related Codes, Rules, Standards, and Other Enforceable	Review and revise codes, rules, standards, and other enforceable documents to incorporate and require	City Engineer	Before December 31, 2016

Table 4: Planned activities to control runoff from new development, redevelopment, and construction sites.

Activity	Tasks	Lead	Schedule or Frequency
Documents	LID principles and LID BMPs		
Summarize the Results of the Code Review and Revision Process	This summary shall include a list of participants, documents reviewed, and revisions made	City Engineer	Include as an attachment to the March 31, 2017, Annual Report

Municipal Operations and Maintenance (O&M)

In December 1995, the City of Pacific Municipal Code 15.09.02 established the City’s Storm and Surface Water Utility. The code set forth the primary authority and responsibility for carrying out the Puget Sound Water Quality Management Plan including responsibilities for maintenance, operation, and improvement of the City’s storm and surface water drainage system. The primary utility activities are specified in the Pacific Municipal Code and include: basin planning, capital improvements, and facility maintenance.

This section describes the Phase II Permit requirements related to pollution prevention and operation and maintenance for municipal operations, including current and planned activities.

2013-2018 Phase II Permit Requirements

Section S5.C.5 of the 2013-2018 Phase II Permit requires the City to develop and implement an operation and maintenance (O&M) program with the ultimate goal of preventing or reducing pollutant runoff from the municipal separate stormwater system and municipal O&M activities by February 16, 2010. The specific Phase II Permit requirements are as follows:

- ◆ Establish maintenance standards that are at least as protective as those specified in Chapter 4 of Volume V of Ecology’s Stormwater Management Manual for Western Washington (2005).
- ◆ Perform inspection of all municipally owned stormwater treatment and flow control and treatment facilities, other than catch basins, and take appropriate maintenance actions.
- ◆ Spot check potentially damaged permanent treatment and flow control facilities (other than catch basins) after major (greater than 24-hour, 10-year recurrence interval rainfall) storm events; and conduct maintenance and repairs as needed.
- ◆ Inspect all catch basins and inlets owned by the City at least once by August 1, 2016 and clean as according to established maintenance standards. Inspect all catch basins and inlets every two years thereafter.
- ◆ Establish an inspection program to determine inspection requirements.
- ◆ Have practices in place to reduce stormwater impacts associated with runoff from municipal O&M activities, including but not limited to streets, parking lots, roads, and highways owned or maintained by the City, and to reduce pollutants in discharges from all lands owned or maintained by the City.
- ◆ Establish and implement policies and procedures to reduce pollutants in discharges from all publicly owned lands, including parks, open spaces, road right-of-ways, and maintenance yards.
- ◆ Develop and implement an ongoing training program for City staff that addresses the importance of protecting water quality, the requirements of the Phase II. Permit, O&M standards, inspection procedures, selecting appropriate BMPs, ways to perform job activities to prevent or minimize

impacts to water quality, and procedures for reporting water quality concerns.

- ◆ Prepare SWPPPs for all heavy equipment maintenance or storage yards and material storage facilities owned or operated by the City.
- ◆ Maintain inspection and maintenance repair records and summarize annual activities for the - Pollution Prevention and Operations and Maintenance for Municipal Operations component of the Annual Compliance Report; including any updates to the SWMP Plan.

Current Activities

The City currently has stormwater field maintenance policies and procedures (consistent with Ecology's 2005 manual) in place that address the following activities:

- ◆ Storm event preparation
- ◆ Stormwater system patrol and inspection
- ◆ Inspecting and cleaning detention basins/ponds
- ◆ Inspecting and cleaning catch basins
- ◆ Cleaning stormwater lines
- ◆ Cleaning and flushing culverts
- ◆ Cleaning and reshaping ditches
- ◆ Street sweeping
- ◆ Erosion control in water courses
- ◆ Stormwater line repair and replacement
- ◆ Shoulder pulling

Storm event preparation, system patrol, and inspection of storm drainage - Hot Spot areas are performed by maintenance department crews within 24 hours of notification of a major weather event.

City-maintained treatment and flow control facilities are inspected by stormwater technician. City-owned detention ponds are inspected bi-annually and cleaned as necessary. Work orders are automatically generated as the preventative maintenance is due.

Catch basin inspection and cleaning, culvert flushing, and line cleaning is performed annually by City staff and contractors. There are approximately 1,300 catch basins in the Pacific stormwater system. The City is responsible for maintaining over 800 basins and 500 catch basins are privately owned and maintained. Future maintenance and inspections will continue with annual inspections of the east and west discharge areas (White River / Government Canal and Milwaukee Ditch / Soatin Creek). Additional areas will be cycled in as the budget allows. The City budgets \$30,000 annually to accomplish this component of the O&M program. The public works department is developing a database for these activities.

Street sweeping is performed by City maintenance staff and is an ongoing activity to reduce stormwater impacts. All street sweepings are separated from green debris and disposed of properly. All excavated spoils from utility operations and street waste are decanted under contract at the City of Auburn facility.

The City began a new policy for snow control and removal in 2010 that was continued in 2011 and 2012. Liquid anti-/deicers are now applied before a predicted snowstorm which results in application of less treated sand during the snowstorm.

In terms of ongoing record keeping, the City documents SWPPP information (i.e., significant spills and leaks, dry and wet weather inspections, site modifications), tracks O&M costs, keeps inspection and maintenance repair records, and updates this SWMP plan annually.

Planned Activities

Table 5 summarizes the City’s planned activities associated with pollution prevention and O&M for municipal operations.

Table 5: Planned pollution prevention and operation and maintenance activities.

Activity	Tasks	Lead	Schedule or Frequency
Implement maintenance procedures and standards	Ongoing process	Stormwater Manager / Stormwater Technician / City Engineer	Ongoing
Implement Stormwater Pollution Prevention Plans (SWPPPs)	Ongoing process	Stormwater Manager / Stormwater Technician / City Engineer	Ongoing
Treatment and flow control facility inspections	Ongoing inspection program for detention basins/ponds and other stormwater facilities	Stormwater Manager / Stormwater Technician	Ongoing
Catch Basin Inspection Program	Ongoing inspection program for catch basins, and spot checking of “hot spots”	Stormwater Manager / Stormwater Technician	Ongoing
Street Sweeping	Ongoing program	Stormwater Manager / Stormwater Technician	Ongoing
Record Keeping	Continue record updates Document activities associated with SWPPP Continue tracking costs	Stormwater Manager / Stormwater Technician / City Engineer	Ongoing
Communication and Coordination	Monthly meetings with PWD staff regarding measures to protect water quality Meetings with PW crew to review findings of SWPPPs and discuss practices to reduce stormwater impacts	Stormwater Manager / Stormwater Technician / City Engineer	Monthly/Ongoing
Stormwater BMP Manuals for Maintenance Activities	Develop Stormwater BMP Manuals for PW crew that address typical maintenance activities	Stormwater Manager / Stormwater Technician / City Engineer	Before June 30, 2013
Catch Basin Inspection Program	Three options for catch basin and inlet inspections: Option 1: Inspect at least once by August 1, 2017, and every 2 years thereafter Option 2: Inspect and clean catch basins on a “circuit basis” with inspections of 25% of catch basins and inlets within each circuit to identify maintenance needs Option 3: Clean all pipes, ditches, catch	Stormwater Manager / Stormwater Technician / City Engineer	Either August 1, 2017, or July 31, 2018 (depends on option selected)

Table 5: Planned pollution prevention and operation and maintenance activities.

Activity	Tasks	Lead	Schedule or Frequency
	basins, and inlets within a circuit once during the permit term		
Review and Adopt New Stormwater Manual	Review the 2012 Stormwater Management Manual for Western Washington to determine if blanket adoption will work for the City	City Engineer	Before December 31, 2016
Staff Training	Refresher training on SWPPP and source control BMPs	Stormwater Manager / Stormwater Technician / City Engineer	Ongoing

3. STORMWATER MONITORING

Monitoring

This section provides a brief discussion of the Phase II Permit monitoring requirements, including current and planned activities.

2013-2018 Phase II Permit Requirements

Section S8 of the 2013-2018 Phase II Permit requires the City to do the following:

- ◆ Provide a description of any stormwater monitoring or stormwater-related studies conducted during the reporting period.
- ◆ Pay into a collective fund to implement a Regional Stormwater Monitoring Program (RSMP) that includes the following three components:
 - Status and trends monitoring (small stream and marine nearshore)
 - Stormwater management program effectiveness studies
 - Source identification and diagnostic monitoring (Source Identification Information Repository [SIDIR])

The City is not required to conduct water quality monitoring for compliance with total maximum daily loads (TMDLs) pursuant to Section S7 and Appendix 2 of the Phase II Permit, since no TMDL implementation plans have been developed for the White River.

Current Activities

City staff conducted dry weather outfall inspections in August 2012 (as described in the Component 3: Illicit Discharge Detection and Elimination section). No water quality testing was performed.

The City provides a qualitative assessment of the appropriateness of the BMPs identified for each component of the SWMP in the Annual Report that is submitted to Ecology. The City also met the deadline for developing and submitting a monitoring plan in preparation for future, long-term

City of Pacific, Stormwater Management Program 2015

monitoring with the fourth Annual Report (March 31, 2011).

Planned Activities

The City is currently evaluating the proposed monitoring requirements in the 2013-2018 Phase II Permit to determine if they will be opting in to the Regional Stormwater Monitoring Program (RSMP) or opting out and conducting their own monitoring. The RSMP includes three main components: status and trends monitoring, effectiveness studies, and source identification and diagnostic monitoring information repository. The City must notify Ecology by December 1, 2013, regarding which monitoring option they have selected for each component and start contributing to the RSMP fund beginning in August 2014 if they decide to participate in the RSMP.

Reporting

This section provides a brief discussion of Phase II Permit reporting requirements, including current and planned activities.

2007-2012 and 2012-2013 Phase II Permit Requirements

Section S9 of the 2007-2012 and 2012-2013 Phase II Permit requires the City to submit the following on March 31 of each year of the Phase II Permit term:

- ◆ A copy of the current SWMP plan
- ◆ Appendix 3 – Annual Report Form for Cities, Towns, and Counties.
- ◆ Notification of any annexations, incorporations, or jurisdictional boundary changes resulting in an increase or decrease in the geographic area of Phase II Permit coverage during the reporting period, and implications for the SWMP.

Additional requirements for the fourth Annual Report (due on March 31, 2011) include:

- ◆ Monitoring Plan (discussed in the Monitoring section)
- ◆ A summary of identified barriers to the use of LID within the area covered by the Phase II Permit and measures to address the barriers
- ◆ A report describing, at a minimum:
 - LID practices that are currently available and that can reasonably be implemented within the Phase II Permit term
 - Potential or planned non-structural actions and LID techniques to prevent stormwater impacts
 - Goals and metrics to identify, promote, and measure LID use
 - Potential or planned schedules to require and implement the non-structural and LID techniques on a broader scale in the future.

Current Activities

Since March 2008, the City has submitted an Annual Report to document the SWMP work completed in the prior year. The form of the report is developed by Ecology. The Annual Report is required

to be updated each year in March through the Phase II Permit cycle. The Annual Report is accompanied by the City's current SWMP plan, which reflects the status of the implementation of each component of the SWMP. The 2014 SWMP Plan (this document) satisfies this requirement and is the City's sixth annual update to its SWMP.

Planned Activities

The City submitted an Annual Report to Ecology on March 31, 2015. The City will be submitting the SWMP Plan to Ecology by March 31, 2015.