



# Water Quality Program

## Permit Submittal Electronic Certification

**Permittee:** LONGVIEW CITY OF

**Permit Number:** WAR045013

**Site Address:** 1525 BROADWAY  
Longview, WA 98632

**Submittal Name:** MS4 Annual Report Phase II Western

**Version:** 1

**Due Date:** 3/31/2015

### Questionnaire

Number	Permit Section	Question	Answer
1	S5.A.2	Attach updated annual Stormwater Management Program Plan (SWMP Plan). (S5.A.2)	SWMP - City of Longview 033015_1_03302015065907.doc
2	S9.D.5	Attach a copy of any annexations, incorporations or boundary changes resulting in an increase or decrease in the Permittee's geographic area of permit coverage during the reporting period per S9.D.5.	Ord 3272 - Pac Fibre Annex 08_2_03302015070432.pdf
3	S5.A.3	Implemented an ongoing program to gather, track, and maintain information per S5.A.3, including costs or estimated costs of implementing the SWMP.	Yes
4	S5.A.5.b	Coordinated among departments within the jurisdiction to eliminate barriers to permit compliance. (S5.A.5.b)	Yes
4b	S5.A.5.b	Attach a written description of internal coordination mechanisms. (Required to be submitted no later than March 31, 2015, S5.A.5.b)	Question 4b Response_4b_03302015085639.docx
5	S5.C.1.a.i and ii	Attach description of public education and outreach efforts conducted per S5.C.1.a.i and ii.	2014 Education and Outreach Tr_5_03302015105533.xlsx
6	S5.C.1.b	Created stewardship opportunities (or partnered with others) to encourage resident participation in activities such as those described in S5.C.1.b.	Yes
7	S5.C.1.b	Used results of measuring the understanding and adoption of targeted behaviors among at least one audience in at least one subject area to direct education and outreach resources and evaluate changes in adoption of targeted behaviors. (Required no later than February 2, 2016, S5.C.1.b)	Not Applicable
7b	S5.C.1.b	Attach description of how this requirement was met.	

8	S5.C.2.a	Describe the opportunities created for the public to participate in the decision making processes involving the development, implementation and updates of the Permittee's SWMP. (S5.C.2.a)	Longview's Stormwater Advisory Committee (LSAC) meets quarterly (with occasional exceptions) and have been and continue to be involved in the decision making process by advising and providing recommendations regarding the development, implementation, and updates to Longview's SWMP. Additionally, Longview's stormwater website ( <a href="http://www.cleanstormwater.org">www.cleanstormwater.org</a> ) and <a href="http://www.mylongview.com">www.mylongview.com</a> (Departments-Public Works-Stormwater Division) has the SWMP posted and offers the public to review and provide feedback and/or attend LSAC meetings.
9	S5.C.2.b	Posted the updated SWMP Plan and latest annual report on your website no later than May 31. (S5.C.2.b)	Yes
9b	S5.C.2.b	List the website address.	<a href="http://www.cleanstormwater.org">www.cleanstormwater.org</a>
10	S5.C.3.a.i - vi	Maintained a map of the MS4 including the requirements listed in S5.C.3.a.i.-vi.	Yes
11	S5.C.3.b.v	Implemented a compliance strategy, including informal compliance actions as well as enforcement provisions of the regulatory mechanism described in S5.C.3.b. (S5.C.3.b.v)	Yes
12	S5.C.3.b.vi	Updated, if necessary, the regulatory mechanism to effectively prohibit illicit discharges into the MS4 per S5.C.3.b.vi. (Required no later than February 2, 2018)	Not Applicable
12b		Cite the Prohibited Discharges code reference	
13	S5.C.3.c.i	Implemented procedures for conducting illicit discharge investigations in accordance with S5.C.3.c.i.	Yes
13b	S5.C.3.c.i	Cite methodology	Catch basin/manhole inspections, Outfall Inspections, Buisness Inspections, Video Inspections
14	S5.C.3.c.i	Percentage of MS4 coverage area screened in reporting year per S5.C.3.c.i. (Required to screen 40% of MS4 no later than December 31, 2017 (except no later than June 30, 2018 for the City of Aberdeen) and 12% on average each year thereafter. (S5.C.3)	10
15	S5.C.3.c.ii	List the hotline telephone number for public reporting of spills and other illicit discharges. (S5.C.3.c.ii)	(360)578-0900

15b	S5.C.3.c.ii	Number of hotline calls received.	0
16	S5.C.3.c.iii	Implemented an ongoing illicit discharge training program for all municipal field staff per S5.C.3.c.iii.	Yes
17	S5.C.3.c.iv	Informed public employees, businesses, and the general public of hazards associated with illicit discharges and improper disposal of waste. (S5.C.3.c.iv)	Yes
17b	S5.C.3.c.iv	Describe the information sharing actions. (S5.C.3.c.iv)	Training for city staff, and most public education outreach efforts target this message. Additionally, source control inspection are used to educated businesses on this message.
18	S5.C.3.d	Implemented an ongoing program to characterize, trace, and eliminate illicit discharges into the MS4 per S5.C.3.d.	Yes
19	S5.C.3.d.iv	Number of illicit discharges, including illicit connections, eliminated during the reporting year. (S5.C.3.d.iv)	45
20	S5.C.3.d.iv	Attach a summary of actions taken to characterize, trace and eliminate each illicit discharge found by or reported to the permittee. For each illicit discharge, include a description of actions according to required timeline per S5.C.3.d.iv	2014 IDDE Incident Annual Rpt _20_03312015112612.x lsx
21	S5.C.3.e	Municipal illicit discharge detection staff are trained to conduct illicit discharge detection and elimination activities as described in S5.C.3.e.	Yes
22	S5.C.4.a	Implemented an ordinance or other enforceable mechanism to address runoff from new development, redevelopment and construction sites per the requirements of S5.C.4.a.	Yes
24	S5.C.4.a.i	Number of exceptions granted to the minimum requirements in Appendix 1. (S5.C.4.a.i., and Section 6 of Appendix 1)	1
25	S5.C.4.a.i	Number of variances granted to the minimum requirements in Appendix 1. (S5.C.4.a.i., and Section 6 of Appendix 1)	0
26	S5.C.4.b.i	Reviewed Stormwater Site Plans for all proposed development activities that meet the thresholds adopted pursuant to S5.C.4.a.i. (S5.C.4.b.i)	Yes
26b	S5.C.4.b.i	Number of site plans reviewed during the reporting period.	2
27	S5.C.4.b.ii	Inspected, prior to clearing and construction, permitted development sites that have a high potential for sediment transport as determined through plan review based on definitions and requirements in Appendix 7 Determining Construction Site Sediment Damage Potential, or alternatively, inspected all construction sites meeting the minimum thresholds adopted pursuant to S5.C.4.a.i. (S5.C.4.b.ii)	Yes

27b	S5.C.4.b.ii	Number of construction sites inspected per S5.C.4.b.ii.	2
28	S5.C.4.b.iii	Inspected permitted development sites during construction to verify proper installation and maintenance of required erosion and sediment controls. (S5.C.4.b.iii)	Yes
28b	S5.C.4.b.iii	Number of construction sites inspected per S5.C.4.b.iii.	3
29	S5.C.4.b.ii, iii and v	Number of enforcement actions taken during the reporting period (based on construction phase inspections at new development and redevelopment projects). (S5.C.4.b.ii, iii and v)	5
30	S5.C.4.b.iv	Inspected all permitted development sites that meet the thresholds in S5.C.4.a.i upon completion of construction and prior to final approval or occupancy to ensure proper installation of permanent stormwater facilities. (S5.C.4.b.iv)	Yes
31	S5.C.4.b.ii-iv	Achieved at least 80% of scheduled construction-related inspections. (S5.C.4.b.ii-iv)	Yes
32	S5.C.4.b.iv	Verified a maintenance plan is completed and responsibility for maintenance is assigned for projects. (S5.C.4.b.iv)	Yes
33	S5.C.4.c	Implemented provisions to verify adequate long-term operation and maintenance (O&M) of stormwater treatment and flow control BMPs/facilities that are permitted and constructed pursuant to S5.C.4. a and b. (S5.C.4.c)	Yes
35	S5.C.4.c.iii	Annually inspected stormwater treatment and flow control BMPs/facilities per S5.C.4.c.iii.	Yes
35b	S5.C.4.c.iii	If using reduced inspection frequency for the first time during this permit cycle, attach documentation per S5.C.4.c.iii	Not Applicable
36	S5.C.4.c.iv	Inspected new residential stormwater treatment and flow control BMPs/facilities and catch basins every 6 months per S5.C.4.c.iv to identify maintenance needs and enforce compliance with maintenance standards.	Yes
37	S5.C.4.c.v	Achieved at least 80% of scheduled inspections to verify adequate long-term O&M. (S5.C.4.c.v)	Not Applicable
38	S4.C.4.c.vi	Verified that maintenance was performed per the schedule in S5.C.4.c.vi when an inspection identified an exceedance of the maintenance standard.	Not Applicable
38b	S5.C.4.c.vi	Attach documentation of any maintenance delays. (S5.C.4.c.vi)	Not Applicable
39	S5.C.4.d	Provided copies of the Notice of Intent for Construction Activity and Notice of Intent for Industrial Activity to representatives of proposed new development and redevelopment. (S5.C.4.d)	Yes

40	S5.C.4.e	All staff responsible for implementing the program to control stormwater runoff from new development, redevelopment, and construction sites, including permitting, plan review, construction site inspections, and enforcement are trained to conduct these activities. (S5.C.4.e)	Yes
42	S5.C.4.g	Participated and cooperated with the watershed-scale stormwater planning process led by a Phase I county. (S5.C.4.g)	Not Applicable
43	S5.C.5.a	Implemented maintenance standards as protective, or more protective, of facility function as those specified in Chapter 4 of Volume V of the 2005 Stormwater Management Manual for Western Washington.	Yes
44	S5.C.5.a	Applied a maintenance standard that is not specified in the Stormwater Management Manual for Western Washington.	No
44b	S5.C.5.a	Please note what kinds of facilities are covered by this alternative maintenance standard. (S5.C.5.a)	
45	S5.C.5.a.ii	Performed timely maintenance per S5.C.5.a.ii.	Yes
46	S5.C.5.b	Annually inspected all municipally owned or operated permanent stormwater treatment and flow control BMPs/facilities. (S5.C.5.b)	Yes
46b	S5.C.5.b	Number of known municipally owned or operated stormwater treatment and flow control BMPs/facilities. (S5.C.5.b)	44
46c	S5.C.5.b	Number of facilities inspected during the reporting period. (S5.C.5.b)	43
46d	S5.C.5.b	Number of facilities for which maintenance was performed during the reporting period. (S5.C.5.b)	41
47	S5.C.5.b	If using reduced inspection frequency for the first time during this permit cycle, attach documentation per S5.C.5.b.	Not Applicable
48	S5.C.5.c	Conducted spot checks and inspections (if necessary) of potentially damaged stormwater facilities after major storms as per S5.C.5.c.	Yes
49b	S5.C.5.d	Number of known catch basins.	3438
49c	S5.C.5.d	Number of catch basins inspected during the reporting period.	870
49d	S5.C.5.d	Number of catch basins cleaned during the reporting period.	870
50	S5.C.5.d.i-ii	Attach documentation of alternative catch basin cleaning approach, if used. (S5.C.5.d.i or ii)	Not Applicable
51	S5.C.5.f	Implemented practices, policies and procedures to reduce stormwater impacts associated with runoff from all lands owned or maintained by the Permittee, and road maintenance activities under the functional control of the Permittee. (S5.C.5.f)	Yes
52	S5.C.5.g	Implemented an ongoing training program for Permittee employees whose primary construction, operations or maintenance job functions may impact stormwater quality. (S5.C.5.g.)	Yes

53	S5.C.5.h	Implemented a Stormwater Pollution Prevention Plan for all heavy equipment maintenance or storage yards, and material storage facilities owned or operated by the Permittee in areas subject to this Permit that are not required to have coverage under an NPDES permit that covers stormwater discharges associated with the activity. (S5.C.5.h)	Yes
54	S7.A	Complied with the Total Maximum Daily Load (TMDL)-specific requirements identified in Appendix 2. (S7.A)	Not Applicable
55	S7.A	For TMDLs listed in Appendix 2: Attach a summary of relevant SWMP and Appendix 2 activities to address the applicable TMDL parameter(s). (S7.A)	Not Applicable
56	S8.A	Attach a description of any stormwater monitoring or stormwater-related studies as described in S8.A.	Not Applicable
57	S8.B.1	Participated in cost-sharing for the regional stormwater monitoring program (RSMP) for status and trends monitoring. (S8.B.1)	Yes
58	S8.C.1	Participated in cost-sharing for the regional stormwater monitoring program (RSMP) for effectiveness studies. (S8.C.1) (Required to begin no later than August 15, 2014)	Yes
59	S8.D.1	Contributed to the RSMP for source identification and diagnostic monitoring information repository in accordance with S8.D.1. (Required to begin no later than August 15, 2014)	Yes
60	G3	Notified Ecology in accordance with G3 of any discharge into or from the Permittees MS4 which could constitute a threat to human health, welfare or the environment. (G3)	Yes
61	G3	Number of G3 notifications provided to Ecology.	1
62	G3.A	Took appropriate action to correct or minimize the threat to human health, welfare, and/or the environment per G3.A.	Yes
63	S4.F.1	Notified Ecology within 30 days of becoming aware that a discharge from the Permittee's MS4 caused or contributed to a known or likely violation of water quality standards in the receiving water. (S4.F.1)	Not Applicable
64	S4.F.3.a	If requested, submitted an Adaptive Management Response report in accordance with S4.F.3.a.	Not Applicable
65	S4.F.3.d	Attach a summary of the status of implementation of any actions taken pursuant to S4.F.3 and the status of any monitoring, assessment, or evaluation efforts conducted during the reporting period. (S4.F.3.d)	Not Applicable
66	G20	Notified Ecology of the failure to comply with the permit terms and conditions within 30 days of becoming aware of the non-compliance. (G20)	Not Applicable
67	G20	Number of non-compliance notifications (G20) provided in reporting year.	0

67b	G20	List the permit conditions described in non-compliance notification(s).	Not Applicable
-----	-----	---	----------------

*I certify under penalty of law, that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.*

Jeff Cameron, PE

3/31/2015 11:38:56 PM

---

**Signature**

---

**Date**



# City of Longview Stormwater Management Program





# CITY OF LONGVIEW

## STORMWATER MANAGEMENT PROGRAM

REVISED 3/17/15

### TABLE OF CONTENTS

---

PERMIT BACKGROUND . . . . .	1
PROGRAM OVERVIEW . . . . .	3
PERMIT GENERAL SUMMARY, TIMELINE, & SIGNIFICANT ELEMENTS. . . . .	3
PERMIT COMPLIANCE SCHEDULE . . . . .	5
KEY. . . . .	8
PERMIT ADMINISTRATION . . . . .	9
PUBLIC EDUCATION & OUTREACH . . . . .	13
PUBLIC INVOLVEMENT . . . . .	16
ILLICIT DISCHARGE DETECTION & ELIMINATION . . . . .	18
DEVELOPMENT, REDEVELOPMENT, CONSTRUCTION . . . . .	19
MUNICIPAL OPERATIONS & MAINTENANCE . . . . .	21
MONITORING . . . . .	23

## CORE ELEMENTS OF THE SWMP AND THE PERMIT'S DEADLINES

### PERMIT BACKGROUND

The federal Clean Water Act (1972) established water quality goals for the navigable (surface) waters of the United States. One of the mechanisms for achieving the goals of the Clean Water Act is the National Pollutant Discharge Elimination System (NPDES) permit program, which is administered by the Environmental Protection Agency (EPA). The EPA delegated responsibility to administer the NPDES permit program to most states, including the State of Washington.

In 1987, Congress amended the federal Clean Water Act (CWA) to address stormwater. The CWA established a two phase permit program. Phase I covered larger and medium-sized municipalities and counties, construction sites  $\geq 5$ -acres, and major industrial sources. Later, Phase II covered smaller jurisdictions, construction sites  $\geq 1$ -acre, and certain other industrial runoff. In 2000, EPA finalized the NPDES Phase II rules regulating "small" municipal separate stormwater sewer systems (MS4s).

In Washington, the Phase I permit was issued in 1995 to the cities of Seattle and Tacoma, as well as King, Pierce, Snohomish and Clark (1999) counties. In 2007, Ecology updated the Phase I permit and issued its first Phase II permits, one each for Western and Eastern Washington. In 2012, Ecology simultaneously re-issued the "existing" permit for one year and issued the "current" permit for 2013-2018; this permit was appealed. In 2005 the 2013-2018 permit was modified mainly to reflect the settled appeal ruling and previously published errata. .

Phase II permits apply to jurisdictions with populations less than 100,000 located at least partially within an urbanized area<sup>1</sup> and that operate a municipal separate stormwater sewer system (MS4) discharging to waters of the Washington State. Some 99 cities and 11 counties statewide, plus numerous other public entities (like diking districts and certain ports, school districts, colleges, and hospitals) are authorized by this permit to discharge from their MS4 to waters of the state. As required by the Clean Water Act [CWA, 402(p)(3)], the permit effectively prohibits non-stormwater discharges and requires jurisdictions to apply controls to reduce the discharge of pollutants to the Maximum Extent Practicable (MEP). It also requires the use of All Known, Available, and Reasonable Methods of Treatment (AKART), per the state's Water Pollution Control Act, RCW 90.48.

Permittees must develop, implement, and update a Stormwater Management Program (SWMP) to ensure compliance with all permit requirements. Additionally, detailed recordkeeping and reporting requirements are included to assess compliance and for adaptive management.

---

<sup>1</sup> Urbanized areas are population centers with >50,000 people and densities of 1,000 people / square mile based on the 2000 census.

## **CORE ELEMENTS OF THE SWMP AND THE PERMIT'S DEADLINES**

Permit obligations are numerous and legally binding. Violators may be subject to penalties of up to \$32,500 per day per violation, and the CWA allows third-parties (citizens) to take legal action against jurisdictions failing to comply.

The Permit is kept at: <http://www.ecy.wa.gov/programs/wq/stormwater/municipal/phase1ww/wwphiipermit.html>

## CORE ELEMENTS OF THE SWMP AND THE PERMIT'S DEADLINES

### PROGRAM OVERVIEW

This “Plan” organizes the SWMP, which is structured around the program components in S5.C of the “Permit:”

- ❖ Public education and outreach program designed to measurably reduce stormwater pollution.
- ❖ Public involvement process to guide the development of the stormwater management program.
- ❖ Systems to control runoff from development, redevelopment, and post-construction (long-term maintenance) activities.
- ❖ An illicit discharge detection and elimination (IDDE) program to identify and remove improper discharges into the storm sewer system.
- ❖ An operation and maintenance program that reduces pollutant runoff from municipal operations

The Plan describes all programmatic elements, assigns responsibilities, and identifies the key deadlines and planned activities necessary for Permit compliance. Additionally, it describes the ongoing processes for gathering, tracking, maintaining, and using information to inform the SWMP.

The Plan is intended to be a working document, and as such, it could be terse and/or choppy at times.

## SUMMARY OF THE S5 SWMP COMPONENTS AND THE PERMIT TIMELINE

S5 Program Component	August 1, 2013 Ongoing program implementation	2014	2015	2016	2017	Jan-July 31, 2018
<b>A. Stormwater Management Plan</b>	Continue to track costs, actions and activities. Continue required internal and suggested external coordination and SWMP Plan submittal w/annual report. Update SWMP Plan annually.		<b>By March 31:</b> annual rpt includes description of internal coordination			
<b>C.1 Public Education and Outreach</b>	Continue public education and outreach program. Measure changes in behavior for 1 audience & 1 topic.	Create or partner w/others to create stewardship.		<b>By February 2:</b> use measures of behavior changes to improve program.		
<b>C.2 Public Involvement</b>	Continue to provide ongoing opportunities for the public to participate in SWMP decision-making. Post online annual reports and SWMP Plan for previous calendar year by 5/31 of each year.					
<b>C.3 Illicit Discharge Detection and Elimination (IDDE)</b>	Continue implementing the enforceable mechanism to prohibit illicit discharges, compliance strategy, IDDE and municipal staff training, citizen hotline and IDDE response, and maintain map of MS4.				<b>By Dec 31:</b> Field screen at least 40% of MS4 & on average 12% each year thereafter.*	<b>By Feb 2:</b> Update ordinance if needed.
<b>C.4.a-f Control Runoff from New Develop't, Redvelop't Construction Sites</b>	Continue to implement ordinance addressing construction/post-construx runoff controls; make NOIs for construction, industrial stormwater permits available; site plan review & permitting, requiring long-term maintenance; inspections; training; and enforcement.			<b>By Dec 31:</b> Update SW code to revised Appx 1 standards; review, revise, make effective developmt codes to make LID preferred approach. **	<b>By March 31:</b> Submit summary of review & revision of codes to reduce impervious surface, protect vegetation, minimize SW.	Achieve at least 80% of scheduled inspections.
<b>C.4.g Watershed scale stormwater planning (selected permittees)</b>	<b>(By Oct. 31, 2013</b> Phase I permittee notifies Ecology of selected basin and affected Phase II permittees; convenes planning process.)	<b>(By April 1:</b> Scope of work submitted to Ecology by Phase I watershed plan lead.)	Participate in planning process, if located within selected basin.	<b>By Oct 1:</b> Phase I lead submits final watershed scale stormwater plan to Ecology.		
<b>C.5 Municipal Pollution Prevention, Operation and Maintenance</b>	Continue implementation of MS4 maintenance; annually inspect SW trtmt & flow control BMPs/facilities; spot checks; O&M & SWPPPs for municipal lands & facilities; staff training			<b>By Dec 31:</b> Update maintenance standards to revised manual/ code standards.**	<b>By August 1:</b> Inspect all catch basins or document alternatives if used. Plan to complete inspections every 2 years thereafter.*	Achieve 95% of inspections for municipal stormwater treatment/flow control BMPs/facilities and catch basins.

\*City of Aberdeen completes requirement by 6/30/2018. Report in fifth year annual report.

\*\*Lewis/Cowlitz county permittees complete requirement by 6/30/2017; City of Aberdeen by 6/30/2018. Report in next annual report.

## SUMMARY OF THE S5 SWMP COMPONENTS AND THE PERMIT TIMELINE

### **S4.F Response to violations of Water Quality Standards (WQS)**

- ❖ Notify Ecology in writing within 30-days of becoming aware of a discharge causing or contributing to a known or likely violation of WQS.
- ❖ Submit report to Ecology within 60-days detailing the Adaptive Management Response.

### **S7 Compliance with Total Maximum Daily Load (TMDL) Requirements**

- ❖ N/A - No TMDL

### **S8 Monitoring**

- ❖ By 8/15/14, contribute to regional effectiveness monitoring and source identification & diagnostic monitoring.

### **S9 Reporting**

- ❖ Beginning 3/31/14, electronically submit via Ecology's WQ Web DMR, the annual report for the previous calendar year.
- ❖ Keep all records related to the permit and the SWMP for at least five years.

### **G3 Notification of Spill**

- ❖ Report to Ecology within 24 hours a spill into the municipal storm sewer which could constitute a threat to human health, welfare or the environment.
- ❖ Report to Ecology immediately spills or discharges of oils or hazardous substances.

### **G18 Duty to Reapply**

- ❖ Apply for permit renewal no later than January 31, 2018 (180 days before permit expiration).

### **G20 Non-compliance Notification**

- ❖ Notify Ecology within 30 days of becoming aware of permit non-compliance.

## SUMMARY OF OTHER SWMP COMPONENTS AND SIGNIFICANT PERMIT ELEMENTS

STATUS	NOTES	RESOURCE	PERMIT SECTION	018 WESTERN WASHINGTON PHASE II MUNICIPAL STORMWATER PERMIT COMPLIANCE SCH																																				
				2015												2016						2017						2018												
				Jan 1	Feb 16	Mar 31	Apr	May 31	June	July	August	September	October	November	December	Jan 1	Mar 31	May 31	June	July	August	September	October	November	December 31	Jan 1st	February	March 31	April	May 31	June 30	July	August 1st	September	October	November	December	January	February 2	March 31
	Ongoing		S5.A.1	SWMP. Implement throughout permitted area																																				
	New Goal: Complete update by Dec. for following years plan.		S5.A.2.a - c	SWMP. Write plan. Update annually																																				
	Ongoing; Goal:Structure Data. Design Report		S5.A.3.a	Track costs of each SWMP component																																				
	Ongoing		S5.A.3.b	Track # of inspections, enforcement actions, & public educ. activities																																				
	2015 Begin LID Code & Manual Updates		S5.A.4	Continue existing programs until they are updated/replaced																																				
	2015: New Staff Coordination		S5.A.5.a	Coordination w/ other permittees (describe mechanisms, as applicable)																																				
	Ongoing		S5.A.5.b	Coordination w/ other departments (describe mechanisms in Annual Report)																																				
			S5.B	SWMP reduces MS4 discharge of pollutants to the MEP using AKART																																				
	Clean Water Partners stalled		S5.C.1.a	Public Ed. & Outreach (local or regional) for target audiences / topics																																				
	CEP. Business Inspections		S5.C.1.b	Create stewardship opportunities																																				
			S5.C.1.c	Measure understanding/adoption of behaviors (≥1 Audience, ≥1 Subject)																																				
			S5.C.2.a	Public Involvement & Participation in SWMP decision making process																																				
			S5.C.2.b	Post SWMP Plan & Annual Report on website																																				
			S5.C.3	Illicit Discharge Detection and Elimination (IDDE)																																				
			S5.C.3.a	Map MS4 (ongoing). Update periodically																																				
			S5.C.3.a.i - iii	Map outfalls, discharge points, receiving waters, public stormwater mitigation facilities																																				
			S5.C.3.a.iv	Map tributary conveyances to outfalls ≥24" (or equivalent size if not piped)																																				
			S5.C.3.a.v	Map all new connections authorized since 2/16/7																																				
			S5.C.3.a.vi	Map areas that do not discharge to surface waters																																				
			S5.C.3.a.vii - vii	Provide map to Ecology, Tribes, & other MS4's upon request																																				
			S5.C.3.b.i - iv	IDDE Ordinance and Escalating Enforcement SOP																																				
			S5.C.3.b.v	IDDE Compliance Strategy (incl. educ., tech. assist., require BMPs & maint.)																																				
			S5.C.3.c	Illicit discharge / connection detection program																																				
			S5.C.3.c.i	Field screening methodology (CWP 2004) (Describe in Annual Report)																																				
	Vactor Crew & Cameras		S5.C.3.c.i	Field Screen 40% of MS4 by 12/31/17, then 12% annually thereafter																																				
			S5.C.3.c.ii	Publically list spill / discharge reporting hotline																																				
	Time to train again		S5.C.3.c.iii	Training (ongoing) for all field staff (identification, reporting, response)																																				
			S5.C.3.c.iv	IDDE Education																																				
			S5.C.3.d	Illicit discharge / connection elimination program																																				
			S5.C.3.d.i - iii	Procedures to characterize, trace, & eliminate spills / illicit connections																																				
			S5.C.3.d.iv	Compliance: Meet timelines for response, investigation, & elimination																																				
	Time to train again		S5.C.3.e	Training (ongoing) for IDDE staff																																				
			S5.C.3.f	Recordkeeping: Track all permit IDDE activities																																				
	Revise 1 acre threshold to new thresholds & requirements		S5.C.4	Runoff Controls for New development, Re-development, Construction																																				
			S5.C.4.a	Revise ordinance for development, re-development, & construction																																				
			S5.C.4.a.i	Adopt Appendix 1 (or equiv., incl ECY-Approved Phase I Program)																																				
			S5.C.4.a.ii	Adopt the 2012 SWMMWW (or equiv., incl ECY-Approved Phase I BMPs)																																				
			S5.C.4.a.iii	Legal authority to inspect & enforce the standards via approval process																																				
			S5.C.4.b	Review/Revise permitting Process [for projects meeting thresholds in (i) above]																																				
			S5.C.4.b.i	Review all stormwater site plans (At a min. to sites meeting new min. thresholds)																																				
	Redev. Insp. for S5.C4(b)ii-iv? See S5.C4(a)iii & S5.C4(b)		S5.C.4.b.ii	Pre-inspection of sites with high sediment loss potential (per Appendix 7)																																				
	Redev. Insp. for S5.C4(b)ii-iv? See S5.C4(a)iii & S5.C4(b)		S5.C.4.b.iii	Inspect (during construction)/Enforce Erosion and Sediment Controls (ESC)																																				
	Redev. Insp. for S5.C4(b)ii-iv? See S5.C4(a)iii & S5.C4(b)		S5.C.4.b.iv	Inspect (completion)/Enforce proper const. of BMPs, Maint Agreement/Plan																																				
	Redev. Insp. for S5.C4(b)ii-iv? See S5.C4(a)iii & S5.C4(b)		S5.C.4.b.v	Compliance: Demonstrate completion of ≥80% of (ii) - (iv) above																																				



CITY OF LONGVIEW STORMWATER MANAGEMENT PROGRAM

**KEY (POSITIONS)**

SYMBOL or ABBREVIATION	INTERPRETATION
X	Planned Completion Date
D	Permit Deadline
GIS	R. Bunch, <u>G</u> eographic <u>I</u> nformation <u>S</u> ystems
IT	K. Hallowell, <u>I</u> nformation <u>T</u> echnology
Dir	J. Cameron, PW Director
Mngr	S. Haubner, Storm Manager
Sec	L. Vertrees, PW/Storm Customer Service
LSAC	<u>L</u> ongview <u>S</u> tormwater <u>A</u> dvisory <u>C</u> ommittee
Clerk	S. Corral, Assistant City Clerk
Supv	C. Collins, Street/Storm Supervisor
OMngr	S. Meyers, PW/Engineering Office Manager
Info	K. Hallowell, Public Information Specialist
Insp	S. Warner, Stormwater Inspector
CDID1	<u>C</u> onsolidated <u>D</u> iking <u>I</u> mprovement <u>D</u> istrict #1
Acct	S. Coons, Finance / Accounting

**PERMIT ADMINISTRATION**

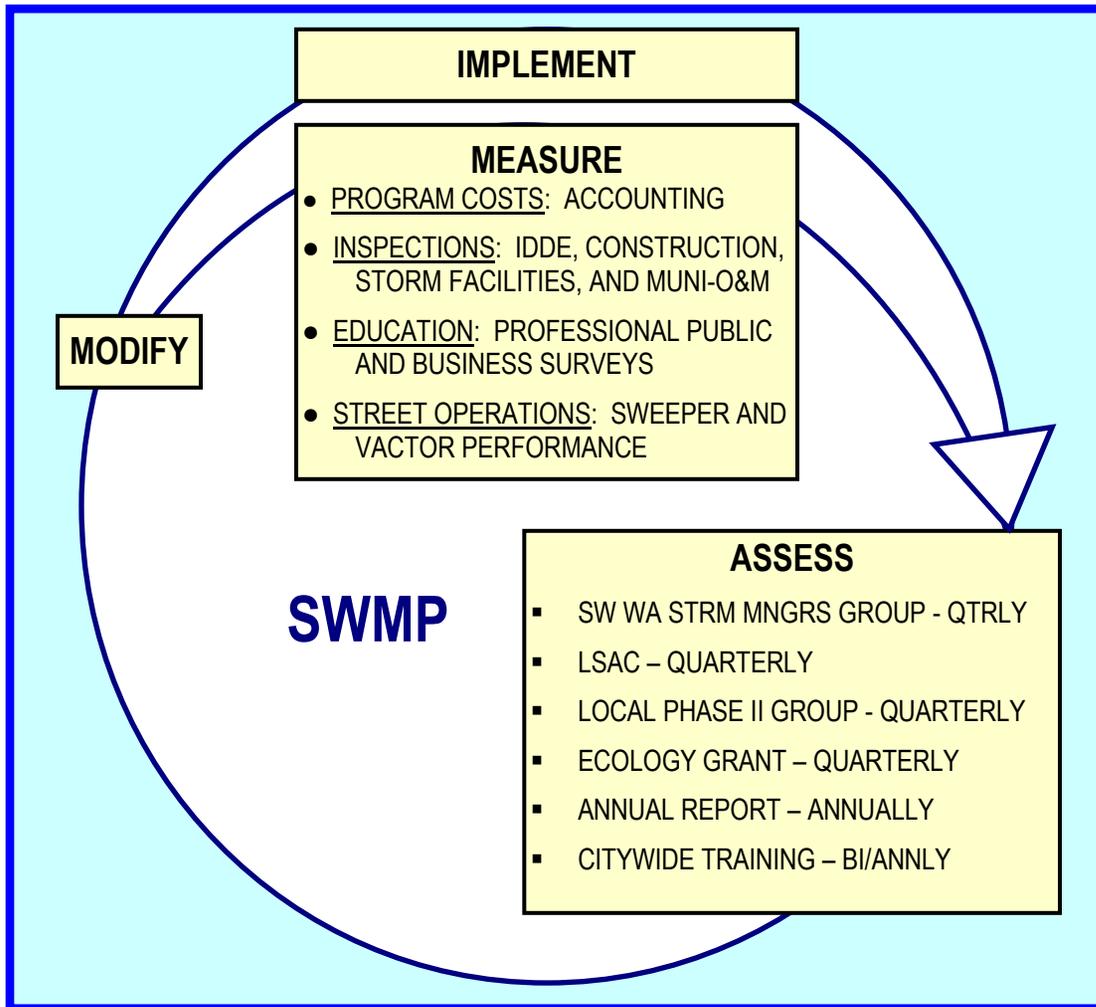
This section describes Permit requirements related to SWMP administration, –including current and planned activities.

REQUIREMENT	WHO	FORMER ONGOING TASK	NEW TASK FOR 2015
Update SWMP designed to reduce discharge of pollutants from the MS4 to the MEP.	Mngr	Update the SWMP, post on website, and include with annual report (required).	Review SWMP for content and formatting improvements.  Update by December 2015 for implementing the 2016 SWMP.
Set up process to track and report all related SWMP component costs.	Mngr Sec / Acct  Sec Sec	Modify Timesheets for Sec, Insp, Mngr, GIS, Vactor, Sweeper, other crew activities, etc. (estimate for other Depts. if needed) Modify to reflect programs: <ul style="list-style-type: none"> <li>➤ Dept. Expenditure Report – individual charges in accounts</li> <li>➤ Biennial Expenditure Report – total activity in each acct.</li> </ul> Budget's factors can complement overhead allocations Voucher and Expense Log & File Annual Costs Report (Ecology upon request, Phase II Grant)	Review process tracking and reports. I  Incorporate new 2013-2018 permit components such as LID code update & integration, Monitoring, and Stewardship as desired for improved tracking.
Set up process to track all specified actions and metrics.	Mngr Mngr / Insp Sec / Insp Insp Sec Supv	IDDE Log Development & Inspection Log(s) Development & Inspection Files Storm Facilities Log & Files Other program files Field Metrics for Annual Report	Review the Puget Sound Stormwater Work Group (SWG) online IDDE log for incorporation into the SWG database.  Improve development file organization, increased scanning, and tracking.
Partner among permittees as possible.	Mngr	SW WA Stormwater Mngrs Group Local Phase II Group (Kelso, County, CDID1, LSD, KSD, LCC)	Improve partnering with the Local Phase II Group.
Submit annual reports due 3/31 of the following year.	Mngr	Post on website (required). [These reports summarize permit compliance and SWMP implementation.]	<b>As of 2015, annual reports are required to be submitted electronically.</b>
Provide and document training as required in S5.C.	Mngr / Insp	S5.C.3.f.i IDDE Staff (EPA Webinar, Read CWP IDDE manual) S5.C.3.f.ii All municipal field staff (Briefings to each Dept) S5.C.4.f DRC, Inspectors, Enforcement (CEASL class, Briefings to each Dept, Read SWMP) S5.C.5.h All affected Muni O&M staff (Briefings to each Dept)	<b>Update training materials and provide training for all departments.</b>

**PERMIT ADMINISTRATION**

This section describes Permit requirements related to SWMP administration, including current and planned activities.

**Adaptive Management Flowchart**



## **PUBLIC EDUCATION STRATEGY**

This section describes Permit requirements related to Public Education and Outreach, including current and planned compliance activities.

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

- ❖ Design the program to achieve measurable improvements in the target audience's understanding of the problem and what they can do to solve it. To accomplish the program goals education and outreach shall be prioritized to specific audiences with specific subject areas as addressed in section S5.C.1. The specific audiences include the general public, businesses (including home-based and mobile businesses), residents, , landscapers, property managers, engineers, contractors, developers, review staff and land use planners.
- ❖ Measure the understanding and adoption of the targeted behaviors for at least one targeted audience in at least one subject area. The resulting measurements shall be used to direct education and outreach resources most effectively, as well as to evaluate changes in adoption of the targeted behaviors.
- ❖ Track and maintain records of public education and outreach activities.

*Past activity highlights include:*

- ❖ Highlights - ≥4 articles in The Daily News (TDN) including one front-page lead-story, mailers to all businesses and targeted businesses, LCCA endorsement of the Development Manual and Ordinance, TV spots, radio talk shows, and our Solution to Pollution brochure, and TV and Radio spots. Additionally storm drain marking has been completed by volunteer involvement. Additionally, workshops with the City of Kelso through the Lower Columbia Contractors Association (LCCA) were provided for engineers, developers, and contractors about the new ordinance and manual, flow control and treatment BMPs, and LID (including the new LID credits). Similarly, the City offered "How to make a Rain Garden" class through Longview Parks & Recreation, the Washington State University (WSU) Master Gardeners, and Clark County. Performed numerous individual construction related training with developers, contractors, and engineers focusing on erosion, sediment, and pollutant controls and local & state development & redevelopment stormwater requirements.
- ❖ The follow-up survey for public understanding and outreach was completed November 2010.

*Current activities include:*

- ❖ The City has developed and implemented a multimedia campaign to improve the understanding and adoption of strategy for all targeted behavior in the respective targeted audiences. The campaign is outlined in the following pages.

Most elements in the strategy are ongoing or recurring, such as the Home & Garden and Earth Day event booths at the County Expo Center, grade school stormwater presentations, the engaging website, and individual training to developers, contractors, and engineers focusing on erosion, sediment, and pollutant controls for construction activities and local and state development and redevelopment stormwater requirements.

*Planned actions for continued compliance and a high priority include:*

- ❖ Specifically focus on the targeted audiences identified in permit section S5.C.1(a) to build general awareness and effect behavior change.
- ❖ Select (from various options) and implement permit section S5.C.1(b) to "create stewardship opportunities and/or partner with existing organizations to encourage residents to participate in activities...". One option is to look into reestablishing the local "Partners for Clean Water" program with other local entities; this program came to a stall in 2014 due to the loss of some key committee members and entities. .

## **PUBLIC EDUCATION STRATEGY**

This section describes Permit requirements related to Public Education and Outreach, including current and planned compliance activities.

- ❖ Start the process for permit section S5.C.1(c) which is due no later than February 2, 2016; this requires Longview to “measure the understanding and adoption of the targeted behaviors for at least one target audience in at least one subject area.” The selected target audience will depend on whether the Partners for Clean Water continues and the direction selected if reestablished. Otherwise, Longview’s new stormwater manager may choose to partner with others or proceed independently.
- ❖ Continue basic efforts while developing then implementing the local Phase II Permittees group’s initiative on Public Education and Outreach.
- ❖ Try new ideas recommended by LSAC – Specifically, enter or sponsor an entry to Cardboard Boat Regatta, work with Longview’s #1 fishing and outdoor supply store, stickers to kids shaped like the now ubiquitous storm-drain markers.

**PUBLIC EDUCATION STRATEGY**

This section describes Permit requirements related to Public Education and Outreach, including current and planned compliance activities.

REQUIREMENT	WHO	TASK (Partnership & Stewardship opportunities are not listed; however, will be implemented once selected.)	TIMELINE
Provide a Public Ed. & Outreach program (materials distributed).	Sec/Info Mngr/Clerk  Mngr, Sec, & Clerk  Mngr  Mngr/Sec  Mngr/Sec  Sec  Info  Mngr/Info  Info/Sec	UTILITY INSERT – Custom IDDE 1/3-page and the “Solution to Pollution” color pamphlet Option: Mail above with the B&O taxes (reaches out-of-town businesses, like FedEx) DIRECT MAIL – Letters to: a) Auto-related about washing & maintenance; b) Property mngrs & Landscapers about debris dumping, fertilizers, LID, etc.; c) Non-CB storm facility owners about facility maintenance; d) Engineers, contractors, developers about new standards, LID, flow control and treatment; e) Carpet cleaners & janitorial about wash waters and cleaners; d) Charities and schools about carwash kit. BUSINESS – LCCA / Chamber of Commerce gov’t committee meetings & newsletters. CLASSES – CESCL (with LCCA); Landscaping & Stormwater (partner with LCCA, Clark Co., & WSU Master Gardeners); Workshops for new manual (BMPs & CB maint. too). KIDS – 4 <sup>th</sup> Grade stormwater class. Provide 3300 Solution to Pollution brochures to City Backpack program end of May. Consider (later) classrooms via RAL/MM Science Depts. Watershed Voyages summer come-to-work program. Print stickers that look like our storm drain markers – give to all kids. VOLUNTEER OUTREACH – Clean stormwater ponds. Later: Tree Planting. Bring/send BMP info to . . . target audiences. TV – Steady blend of paid and PSA with Comcast PRINT – TDN Articles and Ads (include LV utilities 8-tab, In Business (\$900/pg), Earthday & Home & Garden Show Inserts), Minor papers: Columbia R. Reader – Living Green Issue; Valley Bugler; RADIO – Ray Byers’ Chamber Talk about Hotline, big themes [addition to Rick’s annual fall interview (leaves)]. If initial program is not effective enough... Steady blend of paid & PSA w/ KUKN/KLOG & Bi-Coastal (\$7.4K, \$6.3K respectively). OTHER – a) Web: <a href="http://www.CleanStormwater.org">www.CleanStormwater.org</a> (\$1000/yr) and <a href="http://www.mylongview.com">www.mylongview.com</a> ; b) Events: Earth Day (park FIN the Giant Salmon around town), Home & Garden Show, option to share Co. Fair booth with Kelso & County. Service club speeches, Bus advertisements (option: exterior ad); Idea: Healthy Lawns.org; PW Open House (periodically); Storm Drain marking (All CB’s marked by volunteers, now maintained by City). Kitsap County / Ecology-grant Auto-Related 4C’s Poster Campaign (with Kelso and Longview), Sponsor LCC Cardboard Boat. Raffle @ Bob’s Sporting Goods. Trinkets for fishermen.	SEE  NEXT  PAGE
Measure understanding and adoption of targeted behaviors among targeted audiences.	Mngr	Professional market analysis with CDID1, Kelso, and Cowlitz County (Hebert Research)	Baseline Su '08 Repeat Nov '10 Page 13

**PUBLIC EDUCATION STRATEGY**

This section describes Permit requirements related to Public Education and Outreach, including current and planned compliance activities.

Targeted Audiences   Targeted Behaviors	<i>Combined Public &amp; Homeowners, and also Businesses, Landscapers, &amp; Property Mngrs</i>	Utility Inserts	IDDE Inserts	Storm Drain Stickers	Fishing Trinkets	Kids	Volunteer Outreach	Bob's Raffle	TDN	Cardboard Boat	Other	Radio	Exterior Bus Ad	Healthy lawns.org
DATE		Complete		Spring Summer	Summer	Ongoing	As Available	Summer	Done	TBD	Ongoing		As needed - TBD	
ANNUAL FULL (UNSHARED) COST														
<b>General public, Homeowners</b>														
General impacts of stormwater flows into surface waters.		X		X	X	X		X	X	X	X			
Impacts from impervious surfaces.		X	X		X	X		X	X	TBD	X			
Source control BMPs and environmental stewardship actions and opportunities in the areas of pet waste, vehicle maintenance, landscaping and buffers.		X				X		X	X	TBD	X			
BMPs for use and storage of automotive chemicals, haz. cleaning supplies, carwash soaps and other haz. materials.		X				X		X	X	TBD	X			
Impacts of illicit discharges and how to report them.		X				X		X	X	TBD	X			
Yard care techniques protective of water quality.		X				X		X	X	TBD	X			
BMPs for use and storage of pesticides and fertilizers.		X				X		X	X	TBD	X			
BMPs for carpet cleaning and auto repair and maintenance.		X				X		X	X	TBD	X			
Low Impact Development techniques, including site design, pervious paving, retention of forests and mature trees.		X				X		X	X	TBD	X			
Stormwater pond maint. (N/A: city manages all residential ponds)										TBD	X			
<b>Business (w/ home-based, mobile, landscprs, proprty mngrs)</b>														
BMPs for use and storage of automotive chemicals, haz. cleaning supplies, carwash soaps and other haz. materials.		X					X				X			
Impacts of illicit discharges and how to report them.		X	X				X				X			
Yard care techniques protective of water quality.		X									X			
BMPs for use and storage of pesticides and fertilizers.		X									X			
BMPs for carpet cleaning and auto repair and maintenance.		X					X				X			
Low Impact Development techniques, including site design, pervious paving, retention of forests and mature trees.		X									X			
Stormwater pond maintenance (add CB's to this message).							X				X			
<b>Engineers, contractrs, developrs, review staff, planrns</b>														
Technical standards for stormwater site & erosion contrl plans.											X			
Low Impact Development techniques, including site design, pervious paving, retention of forests and mature trees.											X			
Stormwater treatment and flow control BMPs.											X			

Partnership & Stewardship opportunities are not listed; however, will be implemented once selected.

## **PUBLIC EDUCATION STRATEGY**

This section describes Permit requirements related to Public Education and Outreach, including current and planned compliance activities.

## **MARKET ANALYSIS PLAN**

Partnered with the other local Phase II permittees to conduct a professional survey and study the Longview-Kelso area. Survey was conducted in 2008 before implementation of the Public Education & Outreach Plan and repeated November 2010. Cost and practical considerations limited scope to two surveys of  $\pm 5\%$  accuracy. One targeting the general public plus homeowners and second for a large subset of commercial interests having the greatest impact on surface water quality (to include businesses licensed to operate within Longview & Kelso, including mobile and home-based). The survey may be repeated (again) to measure change in the understanding and adoption of all targeted behaviors in their respective audiences.

### **General Public and Homeowners**

- ❖ General impacts of stormwater flows into surface waters.
- ❖ Impacts from impervious surfaces.
- ❖ Source control BMPs and environmental stewardship actions and opportunities in the areas of pet waste, vehicle maintenance, landscaping and buffers.
- ❖ BMPs for use and storage of automotive chemicals, haz. cleaning supplies, carwash soaps and other haz. materials.
- ❖ Impacts of illicit discharges and how to report them.
- ❖ Yard care techniques protective of water quality.
- ❖ BMPs for use and storage of pesticides and fertilizers.
- ❖ BMPs for carpet cleaning and auto repair and maintenance.
- ❖ Low Impact Development techniques, including site design, pervious paving, retention of forests and mature trees.
- ❖ Stormwater pond maintenance.

### **Business: Target Audiences – Landscapers, Property Managers, Engineers, Developers, Contractors, Auto-related, Carpet Cleaning, Other (to expand WQ subset: Pets, Industrial, Restaurants, etc.)**

- ❖ Topics for whole WQ subset of businesses:
  - BMPs for use and storage of auto. chemicals, haz. cleaning supplies, carwash soaps & other haz. matls.
  - Impacts of illicit discharges and how to report them.
  - Yard care techniques protective of water quality.
  - BMPs for use and storage of pesticides and fertilizers.
  - BMPs for carpet cleaning and auto repair and maintenance.
  - Stormwater pond [facility] maintenance.
- ❖ Topics for specific target audiences:
  - Low Impact Development techniques, including site design, pervious paving, retention of forests and mature trees.
  - Technical standards for stormwater site and erosion control plans.
  - Stormwater treatment and flow control BMPs.

**PUBLIC INVOLVEMENT**

This section describes Permit requirements related to Public Involvement, including current and planned compliance activities.

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

- ❖ Provide ongoing opportunities for public involvement through advisory councils, watershed committees, participation in developing rate-structures, stewardship programs, environmental activities or other similar activities.

*Current and historical activities include:*

- ❖ The Longview Stormwater Advisory Committee (LSAC) has met nearly quarterly since its inception when ORD 1869 was approved 12/8/7. It is composed of development, citizen, business, and environmental interests. It is advertised regularly and often in relevant communications.
- ❖ At least five public workshops, one council workshop, one community workshop, and one open house was held prior to the stormwater management ordinance passage in 2009.

*Actions that are recommended for continued compliance include:*

- ❖ Focus on reviews of SWMP and program sections, rather than review and approval of new components.

REQUIREMENT	WHO	ONGOING TASK	NEW TASK FOR 2015
Create opportunities for Public to participate in development of SWMP.	Sec	Continue ongoing Stormwater Advisory Committee meetings.	Where posted on our website, invite comments from the public.
Post SWMP, the Annual Report, and other submissions to the City websites	Mngr	'07- '12 reports & the current SWMP are posted. An Annual Report was not required in 2013.	Post SWMP and 2014 Annual Report by May 31, 2015.

MEMBER	REPRESENTATION	AFFILIATION	TERM EXPIRES	ROLE	ALTERNATE
Carol Ruiz	Resident		Dec 2016		Cindy Gower
Mike LaFave	Development-Related Business	Advances Excavation Services	Dec. 2015		Jeanette Scibelli, LCCA
Eric Pucci	Developer	Newrock Homes & RE/MAX	Dec. 2015		
Matt Swanson	Resident		Dec 2016	Chair	
Kinsey Meyers	Student		May 2016		Allyson Meyers
Mike Davis	Stormwater Permittee	Swanson Bark and Wood	Dec. 2015		
Dean Gehrman	Development-Related Business	John L Real Estate	Dec 2016		

## ILLICIT DISCHARGE DETECTION & ELIMINATION

This section describes Permit requirements related to IDDE, including current and planned compliance activities.

*The 2013-2018 Permit (Section S5.C.3) requires the City to:*

- ❖ Establish an ongoing program designed to prevent, detect, characterize, trace, and eliminate illicit connections and discharges into the municipal separate storm sewers (MS4).
- ❖ Implementation of the program shall be based on the following minimum performance measures:
  - Create and periodically update a municipal storm sewer system map;
  - Develop and implement an ordinance or other regulatory mechanism to effectively prohibit non-stormwater, illicit discharges into the Permittee's municipal separate storm sewer system;
  - Detect and identify non-stormwater discharges, including spills, and illicit connections into the Permittee's MS4, including field screening and methods for identifying potential sources. Address those identified by establishing procedures for characterizing the nature of, and potential public or environmental threat posed by, any illicit discharges found by or reported to the Permittee; procedures for evaluating whether the discharge must be immediately contained and steps to be taken for containment of the discharge; tracing the source of an illicit discharge; and procedures for eliminating the discharge, including escalating enforcement and legal actions if the discharge is not eliminated.
  - Inform public employees, businesses, and the general public of hazards associated with illegal discharges and improper disposal of waste.
  - Create a hotline.
  - Adopt and implement procedures for program evaluation and assessment, including tracking the number and type of illicit discharges, including spills, identified; inspections made; and any feedback received from public education efforts.
  - Provide appropriate training for municipal field staff on the identification, reporting, and responding of illicit discharges into MS4s.

*Current historical activities include:*

- ❖ The City passed ORD 3100 on 8/13/9, fully satisfying the regulatory mechanism requirements of S5.C.3 and 4. Subsequently, LMC 17.80, Stormwater Management, became effective on September 18<sup>th</sup>, 2009.
- ❖ Implementation of the IDD&E program that has been developed including: the ordinance; the municipal storm sewer system map; spill/threat response and reporting; tracing the illicit discharge source and removing the source; initial and ongoing education; inspections; and tracking illicit discharges and spills via an IDD&E log.
- ❖ Completed the master SOP for all program components.
- ❖ Completed stormwater outfall field assessments of seven priority receiving waters during the dry season.

*Planned actions for continued compliance include:*

- ❖ Continue updating the map.
- ❖ Conduct field assessment activities.

## ILLICIT DISCHARGE DETECTION & ELIMINATION

This section describes Permit requirements related to IDDE, including current and planned compliance activities.

- ❖ Screening for illicit connections.
- ❖ Continue implementation of the current IDD&E program until desired revisions have been made according to permit conditions for field screening methodologies and tracking the required performance criteria. During the 2013-2018 permit cycle, we will continue screening catch basins and manholes prior to cleaning for suspect illicit discharges and connections. However, in 2015 we'll begin documenting each inspection on a tablet equipped with GIS mapping for improved tracking and assessing the required field screening performance criteria. Additionally, we will inspect stormwater outfalls during the dry season for prioritized water bodies as previously performed with the last permit cycle. All other Section S5.C.3 permit requirements as indicated above will be continued and documented including the use of our IDD&E log. Provide our IDD&E log data to the Puget Sound Stormwater Work Group for their analysis.

*An illicit discharge means “any discharge to a municipal storm system that is not composed entirely of stormwater . . . [few exceptions apply]” and illicit connection means “any man-made conveyance that is connected to a municipal storm system w/out a permit (excluding roof drains and other similar type connections) such as sanitary sewer connections, floor drains, etc.”*

REQUIREMENT	WHO	FORMER ONGOING TASK	NEW TASK FOR 2015
Develop / Maintain MS4 map	GIS, Supv, Insp, CDID1	Done with continued updates.	Catch up on updates after Trimble unit has been away for new software upgrades. Map the new term “Discharge Points”
Implement ordinance.	Dir & Atty LSAC Mngr Mngr/Insp	<ul style="list-style-type: none"> <li>• Staff final review of ordinance revisions.</li> <li>• LSAC approval of ordinance and Manual revisions</li> <li>• Outreach: Fact sheet, Presentations, Web, Articles, Forums</li> </ul>	Review ordinance with permit language for needed revisions. LSAC and public review of revisions.
IDDE Program (SOPs for ... )	Mngr/Insp/GIS	<ul style="list-style-type: none"> <li>• Review prioritized receiving waters. Continue (dry season) inspections. Use CWP process to screen for illicit connections.</li> <li>• Review and refine IDD&amp;E Standard Operating Procedures (SOPs) as needed. Train City field staff on IDDE</li> </ul>	Review and select field screening methodologies for improved effectiveness and compliance (may be a different methodology for different areas depending on zoning, street traffic etc.)  Train select staff again this year.
Hotline	Sec/Mngr/IT	Hotline established, published and advertised as 578-0900. This is also the new PW after-hours line. It is owned by the City and is managed privately.	Advertise & educate the public again.

## **DEVELOPMENT, REDEVELOPMENT CONSTRUCTION, POST DEVELOPMENT**

This section describes Permit requirements related to Development and Storm facilities including current and planned compliance activities.

*The 2013-2018 Permit (Section S5.C.4) requires the City to:*

- ❖ Develop, implement, and enforce a program to reduce pollutants in stormwater runoff (i.e., illicit discharges) to the municipal separate storm sewer system from new development, redevelopment and construction site activities, both private and public projects, including roads.
- ❖ Adopt regulations (codes and standards) and implement plan review, inspection, and escalating enforcement processes and procedures necessary to implement the program in accordance with Permit conditions, including the minimum technical requirements in Appendix 1 of the Permit (i.e., 2012 Ecology Stormwater Management Manual for Western Washington, equivalent Phase I Manual, or other approved manual).
- ❖ Allow or require if feasible non-structural preventive actions and source reduction approaches such as Low Impact Development techniques (LID), measures to minimize the creation of impervious surfaces and measures to minimize the disturbance of native soils and vegetation.
- ❖ Adopt regulations (codes and standards) and provide provisions to verify adequate long-term operations and maintenance of new post-construction permanent stormwater facilities and best management practices (i.e., private drainage system inspections) in accordance with Permit conditions, including an annual inspection frequency and/or approved alternative inspection frequency and maintenance standards for private drainage systems as protective as those in Chapter IV of the 2012 Ecology Stormwater Management Manual for Western Washington.

*Historical activities include:*

- ❖ As mentioned in the previous section, the City passed ORD 3100 on 8/13/9, fully satisfying the regulatory mechanism requirements of S5.C.3 and 4. Subsequently, LMC 17.80, Stormwater Management, became effective on September 18<sup>th</sup> and the Runoff Control Guidelines were replaced with the new Longview Stormwater Manual. These efforts were a product of extensive cooperation between Longview and Kelso staff and advisory committees.
- ❖ The City has a program of codes, standards, and processes to permit, inspect, and enforce new development, redevelopment and construction site activities and reduce pollutants in stormwater runoff from those activities
- ❖ Added LMC 17.80 enforcement levels to Code Compliance enforcement reports and tracking system.
- ❖ Revised the construction inspection SOP and field forms.

*Actions that are recommended for continued compliance include:*

- ❖ Review, revise, and/or replace Longview's stormwater ordinance and manual to reflect new Permit requirements due by June 30, 2017. These new requirements mainly address changes to Appendix 1 of the Permit, resulting in our local development and redevelopment thresholds being superseded by the states thresholds (previous 1 acre land disturbance threshold removed) and incorporating new Low Impact Development (LID) codes.
- ❖ Revise EZ plan submission requirements – sync'ing better with Kelso, Clark County, and the SMMWW.
- ❖ Create EZ SWPPP – sync'ing with Kelso, Clark County, and the SMMWW.
- ❖ Extend one-on-one education and outreach to non-qualifying private facility owners to improve compliance. Also dedicate certain private HOA-maintained facilities in need of improved maintenance and update the program binder and spreadsheet.

**DEVELOPMENT, REDEVELOPMENT  
CONSTRUCTION, POST DEVELOPMENT**

This section describes Permit requirements related to Development and Storm facilities including current and planned compliance activities.

- ❖ Complete the master SOP for all program components: plan review, inspection, enforcement and compliance documentation and tracking processes and procedures.

REQUIREMENT	WHO	FORMER ONGOING TASK	NEW TASK FOR 2015
Achieve ≥80% compliance of the construction inspections, S5.C.4.b(v)	Insp	<ul style="list-style-type: none"> <li>Perform all pre-inspections for sites of sites with a “high potential for sediment transport” per Appendix 7 of the Permit.</li> <li>Inspect during construction.</li> <li>Inspect prior to final approval or occupancy to ensure proper installation of permanent stormwater controls. Also, verify a maintenance plan is completed.</li> </ul>	Review tracking system and refine if needed.
Inspect private post-construction BMP, per S5.C.4.c(iii & iv)	Insp	Continue inspections. Add new qualifying private systems to existing tracking system – or create a separate system just for private commercial/industrial systems.	Review tracking system and refine or create a separate system for private systems.
Recordkeeping, S5.C.4.d	Mngr & Insp	Keep records of all inspections, warnings, enforcements.	Review current spreadsheet tracking and CRM system for changes and/or refinements.
Provide NOI info to industrial and construction projects, per S5.C.4.e.	Manger, Insp, or Sec	Continue providing UIC and NOI info / application assistance to project proponents.	Notice of Intent (NOI) applications are now prepared and submitted electronically; update handouts.
Follow-up training, per S5.C.4.f.	Mngr & Insp	Provide follow-up training to Stormwater, Engineering, and Community as needed to address changes in procedures, techniques or staffing.	

## MUNICIPAL OPERATIONS & MAINTENANCE

This section describes Permit requirements related to Municipal O&M practices, including current and planned compliance activities.

*The 2013-2018 Permit (Section S5.C.5) requires the City to:*

- ❖ Develop and implement an operations and maintenance (O&M) program with the ultimate goal of preventing or reducing pollutant runoff from municipal separate stormwater system and municipal operations and maintenance activities.
- ❖ Establish maintenance standards for the MS4 that are at least as protective as those specified in the 2012 W. WA SWM
- ❖ Inspect stormwater facilities (incl. catch basins) as prescribed (all catch basins and inlets by August 1, 2017); unless previous inspection data show that a reduced frequency is justified.
- ❖ Conduct O&M for municipal streets, parking lots, roads, properties, etc in a manner to reduce pollutants in discharges.
- ❖ Prepare SWPPPs for all heavy equipment maintenance or storage yards, and material storage facilities owned or operated by the City.
- ❖ Provide training to all affected parties.

*The City currently has activities and programs that meet the Permit requirements. The current compliance includes:*

- ❖ The City has an O&M program with the ultimate goal of minimizing pollutant runoff from municipal operations.
- ❖ Chapter 4 Volume IV SMMWW O&M standards and BMPs for cited municipal activities are included in the Municipal O&M Manual.
- ❖ The City currently is complying with required municipal storm inspection and cleaning frequencies, including catch basins.
- ❖ All requisite initial O&M (and IDDE) training has been provided. Training is provided for new staff and refresher training is performed on a regular basis as needed.
- ❖ All requisite SWPPPs have been written and implemented.
- ❖ The nutrient management plans and integrated pest management plans have been completed.

*Actions recommended for continued compliance include are outlined below:*

- ❖ Review and update as needed O&M standards to include those in the 2012 SMMWW such as LID facilities.
- ❖ Review and update Stormwater Pollution Prevention Plans (SWPPP) as needed.
- ❖ Semi-annual inspection of SWPPP facilities (Water/Sewer Operations Center, Parks Main Yard, Golf Maintenance Shop, City Shop, [and Regional Water Treatment Plant, handled by Water/Sewer]. Review SWPPPs annually.
- ❖ Optimized Sweeper and Vector performance.

REQUIREMENT	WHO	FORMER ONGOING TASK	NEW TASK FOR 2015
Perform ≥95% of the required inspections, per S5.C.5.e	Insp & Mngr	<ul style="list-style-type: none"> <li>• Annual inspection of all City-owned facilities</li> <li>• Spot checks after major events</li> <li>• Inspection of all catch basins at least once by August 1, 2017 and every two years thereafter.</li> </ul>	Monitor progress for increased performance criteria of 95%.
Perform follow-up training per S5.C.5.h	Insp & Mngr	<ul style="list-style-type: none"> <li>• Annual follow-up training for SWPPP-covered</li> </ul>	Perform refresher training this year.

**MUNICIPAL OPERATIONS & MAINTENANCE**

This section describes Permit requirements related to Municipal O&M practices, including current and planned compliance activities.

		<p>employees</p> <ul style="list-style-type: none"> <li>• Annual or Bi-annual refresher for emergency services.</li> </ul>	
Recordkeeping, per S5.C.5.j	Insp	As prescribed.	Review and refine as needed.

*The Permit (Section S8) requires the City to:*

- ❖ By 8/15/14, contribute to regional effectiveness monitoring and source identification & diagnostic monitoring.

*The City had activities and programs that exceed this Permit requirement.*

- ❖ Completed the items identified above.
- ❖ The City actively helped coordinate regional monitoring opportunities in SW WA.

*Actions recommended for continued compliance are outlined below:*

- ❖ Continue to track S8.A stormwater monitoring or stormwater related studies conducted in 2015.
- ❖ Annual payments for regional effectiveness monitoring and source identification & diagnostic monitoring.
- ❖ Continue to work with the SWG, Ecology, PNAMP, LCFRB, and our fellow Municipal Stormwater Permittees to develop the implementation plan and Quality Assurance Project Plan (QAPP) now that the GRSS Grant for Habitat Status & Trends (HSTM) design work was completed in February, 2015 for SW WA Regional Monitoring.

Annexation Case		Status	Acres	Valuation*	Ordinance		Effective Date
Number	Annexation Name				Number	Population	
ANX 2005-1	Columbia Heights Assembly of God	Complete	8	\$ 2,822,500	2977	10	1/26/2007
ANX 2005-2	Flaskerud	Defunct					
ANX 2005-3	Rick	Complete	102.8	\$ 634,230	2975	3	1/26/2007
ANX 2005-4	West Pine	Defunct					
ANX 2006-1	Little	Complete	4.8	\$ 1,095,200	2976	0	1/26/2007
ANX 2006-2	West Pine II	Complete	50	\$ 2,222,100	2986	35	4/27/2007
ANX 2006-3		Defunct					
ANX 2006-4	North 42nd Avenue	Complete	2.3	\$ 109,100	2994	0	4/1/2007
ANX 2006-5	Sunset Way	Complete	2.7	\$ 42,100	2996	0	4/1/2007
ANX 2006-6	Pacific Way - John Wilson	Defunct					
ANX 2006-7	Rutherglen Road	Defunct					
ANX 2006-8	Rizad	Complete	28.8	\$ 11,550	3007	0	8/3/2007
ANX 2006-9	Buckskin Place	Defunct					
ANX 2006-10	3600 Block Sunset Way	Complete	1.4	\$ 42,600	3010	0	8/31/2007
ANX 2007-1	4400 Block Pacific Way	Defunct					
ANX 2007-2	Totem Lane	Complete	12.2	\$ 1,810,500	3058	78	10/3/2008
ANX 2007-3	4100 Block OBH	Complete	20	\$ 2,302,600	3036	69	2/15/2008
ANX 2007-4	North 37th Avenue	Defunct					
ANX 2007-5	4660 OBH	Complete	1.9	\$ 303,700	3029	4	1/4/2008
ANX 2007-6	Rabbit Run	Complete	8.3	\$ 319,900	3038	3	2/15/2008
ANX 2007-7	Julie Place	Complete	32	\$ 2,793,360	3061	139	10/17/2008
ANX 2008-1	East side 46th Avenue - 2000 Block	Defunct					
ANX 2008-2	40th Avenue/Cowan Court Area	Complete	27.5	\$ 7,115,930	3095	134	7/31/2009
ANX 2008-3	42 Avenue/White Property	Complete	4	\$ 429,020	3097	3	7/31/2009
ANX 2009-1	Coldwells 2 Subdivision	Rejected by City Council					
ANX 2009-2	Columbia Heights/Virginia Way	Complete	13.5	\$ 3,121,150	3128	64	4/30/2010
ANX 2010-1	48th Avenue/Debbie Street	Complete	11.8	\$ 7,131,390	3166	104	6/3/2011
ANX 2013-1	Pacific Fibre Products	Complete	310	\$ 72,350,840	3272	0	10/5/2014
ANX 2014-1	South 42nd Avenue	Signature gathering					
<b>Totals</b>			<b>642</b>	<b>\$ 104,657,770</b>		<b>646</b>	

\*Valuation was determined during the annexation process and does not necessarily reflect current valuations

Completed or ordinance adopted	<b>TOTALS</b>	642	\$ 104,657,770
application is defunct or inactive			
application is being processed	<b>TOTALS</b>	33	\$ 11,597,340

Updated 2/17/15

ORDINANCE NO. 3272

---

AN ORDINANCE ANNEXING THE REAL PROPERTY HEREINAFTER DESCRIBED TO THE CITY OF LONGVIEW, COWLITZ COUNTY, WASHINGTON, AS PROVIDED BY THE LAWS OF THE STATE OF WASHINGTON.

---

WHEREAS, on the 12th day of December, 2013, the City Council of the City of Longview, Washington, did hold the final public hearing, pursuant to notice duly published and posted, on the petition addressed to the City Council of said City requesting that the boundaries of said City be altered by including therein certain real property contiguous to the City of Longview, said petition having been signed by the owners of not less than 60% in value, according to the assessed valuation for general taxation of said property; and

WHEREAS, on February 26, 2014 the annexation was filed with the Cowlitz County Boundary Review Board ("Board"); and

WHEREAS, Cowlitz County invoked the Cowlitz County Boundary Review Board's jurisdiction on April 8, 2014, for modification of the annexation proposal; and

WHEREAS, on June 9, 2014, the Cowlitz County Boundary Review Board held a public hearing; and

WHEREAS, on June 17, 2014, the Boundary Review Board issued their decision to approve the annexation with modification to include Parcel Number 6152201, owned by the Cowlitz Sewer Operating Board; and

WHEREAS, the area proposed for annexation is approximately 310 acres more or less in size, and is of \$72,350,840.00 in assessed valuation; and

WHEREAS, all requirements of Chapter 35A.14 RCW preliminary to said final hearing have been duly complied with; and

NOW, THEREFORE, the City Council of the City of Longview do ordain as follows:

Section 1. That said City Council specifically finds that the land described in the Petition for Annexation is situated in the County of Cowlitz in the State of Washington, is contiguous, proximate and adjacent to the present corporate limits of said City and is more particularly described on "Exhibits A and B" attached hereto and by this reference made a part of this Ordinance.

Section 2. That all of the covenants and conditions precedent to the annexation of said property are hereby made a part of this Ordinance as though fully set forth

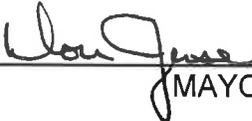
herein. Said covenants and conditions precedent, are as contained in the Petition for Annexation, and are on file in the office of the City Clerk of said City.

Section 3. That the territory set forth in said "Exhibits A and B" hereto attached, shall be, and is hereby, made a part of the City of Longview, Cowlitz County, Washington, on the date that this Ordinance takes effect.

Section 4. The City Council hereby declares that should any section, paragraph, sentence or word of this Ordinance be declared for any reason to be invalid, it is the intent of said City Council that it would have passed all other portions of this Ordinance independent of the elimination herefrom of any such portion as may be declared invalid, and that the remainder of said Ordinance shall be and remain in full force and effect.

Section 5. This Ordinance shall take effect and be in full force and effect from and after thirty (30) days of its passage and publication as required by law.

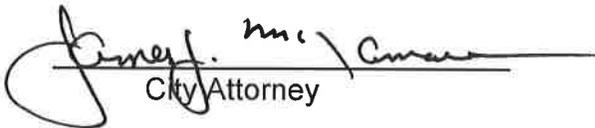
Passed by the City Council this 28 day of August, 2014.  
Approved by the Mayor this 28 day of August, 2014.

  
\_\_\_\_\_  
MAYOR

ATTEST:

  
\_\_\_\_\_  
City Clerk

APPROVED AS TO FORM:

  
\_\_\_\_\_  
City Attorney

Published: September 5, 2014

## EXHIBIT A

A portion of the Jonathan Burbee, Royal C. Smith and Harry Huntington Donation Land Claims located within Sections 3, 4, 9, 10 and 11 of Township 7 North, Range 2 west of the Willamette Meridian, records of the Auditor of Cowlitz County, Washington, more particularly described as follows:

Commencing at the northeast corner of Lot 1, Block 7 of the duly recorded plat of Columbia Industrial Park, said northeast corner also being the northwest corner of Parcel 1, Tract "A" of AFN 851003020; thence due south along the easterly line of said Lot 1, Block 7 and the northwesterly line of said Parcel 1, Tract "A" of AFN 851003020, 125.00 feet to the point of beginning of this description, said point being also the southeast corner of said Lot 1, Block 7, and a point on the existing Longview City limits line; thence westerly and southwesterly along the existing City limits line and the northwesterly line of said Parcel 1, Tract "A" of AFN 851003020 to a point on the northeasterly right-of-way line of Fibre Way, said point also being the most southerly corner of Block 8 of the plat of Columbia Industrial Park; thence leaving the City limits line southeasterly along the northeasterly right-of-way line of Fibre Way, to the southwesterly corner of Parcel 3 of AFN 870305022; thence northwesterly along the southwesterly line of Parcel 3 of AFN 870305022 to the most westerly corner thereof; thence northeasterly along the northwesterly line of Parcel 3 of AFN 870305022 to the southwesterly corner of Parcel "G" of AFN 3096010; thence southeasterly along the southerly line of Parcel "G" of AFN 3096010 to an intersection with the southeasterly line of the Royal C. Smith Donation Land Claim; thence northeasterly along said Donation Land Claim to an intersection with the northerly line of Parcel "G" of said AFN 3096010; thence southwesterly along the northerly line of Parcel "G" of said AFN 3096010 to the most westerly corner thereof, being also a point on the northwesterly line of the aforementioned Parcel 3 of AFN 870305022; thence northeasterly along the northwesterly line of Parcel 3 of AFN 870305022 to the most northwesterly corner thereof; thence northeasterly along the northwesterly line of Parcel 3 of AFN 870305022 to the most northeasterly corner thereof; thence southeasterly along the northeasterly line of Parcel 3 of AFN 870305022 and AFN 3096010 to the most westerly corner of Parcel "F" of AFN 3085541; thence northeasterly along said Parcel "F" to the most northerly corner of Parcel "F" of AFN 3085541; thence southeasterly along the northeasterly line of Parcel "F" of AFN 3085541 to the most easterly corner of Parcel "F" of said AFN 3085541, said corner being also a point on the northerly line of AFN 742645; thence westerly along the northerly line of AFN 742645 to the northwesterly corner thereof; thence southerly along the westerly line of AFN 742645 to the southwesterly corner thereof; thence southeasterly along the southerly line of AFN 742645 to a point of curvature; thence northeasterly along said curve and northwesterly along the easterly line of said AFN 742645 to the northwesterly corner of Parcel "1" of AFN 870305022; thence easterly along the northerly line of AFN 870305022 to the northeasterly corner thereof, being also a point on the westerly line of Assessor's Parcel 61511 described under AFN 901214051; thence southerly along the westerly line of AFN 901214051 to the most southerly corner thereof, said corner being a point on the northerly bank of the Columbia River; thence northeasterly along the southeasterly line of AFN 901214051 to the Pacific Fibre Annexation

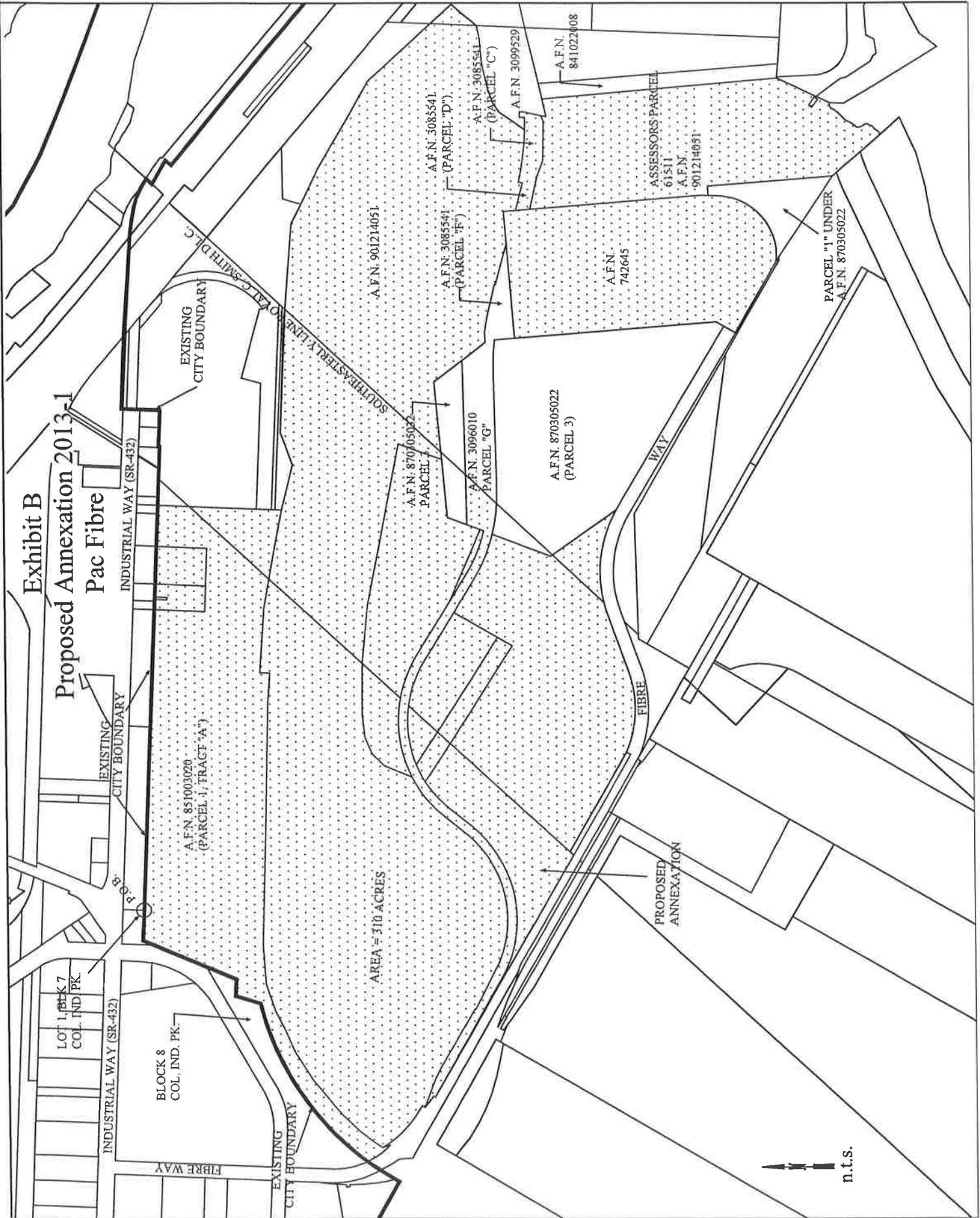
southwesterly corner of AFN 841022008; thence northwesterly along the southwesterly line of AFN 841022008 to the northwesterly corner thereof, said northwesterly corner also being a point on the southeasterly line of AFN 860115014; thence southwesterly along the southeasterly line of AFN 860115014 to the southwesterly corner thereof; thence northeasterly along the westerly line of AFN 860115014 to the southeasterly corner of Parcel "C" of AFN 3085541; thence northeasterly along the easterly line of Parcel "C" of AFN 3085541 to the northeasterly corner thereof; thence southwesterly, southerly and northwesterly along the northerly line of said Parcel "C" to an intersection with the southeasterly line of the log pond described under AFN 901214051; thence northeasterly along the southeasterly line of said AFN 901214051 to the most easterly corner thereof; thence northwesterly, southwesterly and northwesterly along the northeasterly and northerly lines of the log pond described under said AFN 901214051 to the southeasterly corner of Parcel 1, Tract "A" of AFN 851003020; thence due north along the easterly line of said Parcel 1, Tract "A" to a point 125.00 feet south from the southerly right-of-way line of Industrial Way, said point being on the existing Longview City limits line; thence due west along said existing City limits line, on a line 125.00 feet south of and parallel to the southerly right-of-way line of Industrial Way, to the point of beginning.

Containing 310 acres more or less.

Exhibit B

Proposed Annexation 2013-1

Pac Fibre



n.t.s.



# 2014 City of Longview Annual Report Question Response

## **Annual Report Initial Question #4.**

Coordinated among departments within the jurisdiction to eliminate barriers to permit compliance. (S5.A.5.b)

## **Annual Report Follow Up Question #4b.**

Attach a written description of internal coordination mechanisms. (Required to be submitted no later than March 31, 2015, S5.A.5.b)

### **Response:**

#### Department Head Meetings

Longview's Public Works Department provides public services to the Longview community and its citizens. Public Works is responsible for planning, designing, constructing, maintaining and administering services related to the City's infrastructure systems. The Public Works Department consists of nine divisions that work together to provide high quality services to the Longview community. These nine divisions meet monthly for what is called the "Department Head Meetings" for internal coordination. Projects are discussed from start to finish including compliance with Longview's Stormwater Permit, Manual, and Codes. These nine divisions consist of the:

- Engineering Division;
- Sewer Operations Division;
- Street Maintenance Division;
- Stormwater Division;
- Traffic Division;
- Transit Division;
- Water Operations Division; and the
- Water Treatment Plant.

#### Development Review Committee (DRC) Meetings

Longview's other primary internal coordination mechanism is the monthly "Development Review Committee" meeting in which permitted projects are discussed to ensure completion of all departments and division's needs. Each department and division is invited to attend and represented as needed. Typically, attending departments include Public Works, Community Development, Fire, and Water & Sewer. A stormwater staff representative attends these meetings on a regular basis. Stormwater staff has the opportunity to discuss stormwater issues and/or hold projects for final occupancy or completion until stormwater requirements and conditions are met.

The Community Development Department is comprised of four divisions serving basic community service functions:

The Building Division regulates building and use of structures for public safety through the application of adopted codes and ordinances including plan review and inspections.

The Planning Division provides public information services and promotes land use and development in accordance with City policy and applicable laws.

Special programs such as Community Block Grant (CDBG), the HOME Program, and the Document Recording Fee Program are administered under this department.

- Under the Code Compliance division, common concerns subject to abatement of such items as tall grass, noxious weeds, junk vehicles and unconfined garbage on private property are addressed.

#### Development & Redevelopment Pre-Application Meetings

These pre-application meetings allow developers, engineers, owners, etc. to meet with applicable city departments and divisions regarding their proposed development or redevelopment project prior to or during the design phase. Each department/division representative is able to provide their requirements, codes, and other input including for the proposed project. These meetings are a very helpful coordination mechanism to potential applicants as often requirements and codes between departments and divisions can impact the proposed design plans. The applicants and their representative often learn of codes and requirements they were not aware of prior to attending. Stormwater requirements are typically a big part of the meeting discussions and also an opportunity to educated developers, engineers, etc. on Longview's stormwater Permit and requirements.

#### Other Department Coordination Mechanisms

Each department and division works closely together and communicates on a regular basis regarding compliance with Longview's Municipal Phase II Permit. When able, representatives from Public Works and Community Development Department attend stormwater related workshops to learn more about our Permit requirements. As an example, recently our Public Works senior engineer and a Community Development Department planner attended Ecology's LID Code Integration workshop with stormwater staff.



Stormwater Division

**Draft 2014 Education & Outreach Tracking Form**

Program	Component	Activity Type	Date	Quantity
4th Grade Education	Materials			
	Staff presentation			
	Staff presentation			
	Staff presentation			
	Letters of invite sent to schools			
Pervious Concrete	Door hangers	Public Education	June	25
	Letters to homeowners	Public Education	June	25
Storm Drain Markings	City maps	Completed prior to 2014, replacement of missing or damaged markers is ongoing including a few in 2014.		
	Volunteers			
	Supplies			
	Volunteers			
	First run of markings			
Gateway Spring Cleanup	Direct mailing			
Earth Day	General Awareness and Behavior Change. General Public Education (including school age children) and businesses.	Public Education and Outreach. Engaging hands on stormwater booth activities. This is the 2nd largest event in the county; held at the Expo Center in Longview.	April	3
	Attended			Approx. 5,000
	Staffed			3

Home and Garden Show	General Awareness and Behavior Change. Stormwater display and handouts for home & garden natural care, and stormwater highlights and codes for contractors, developers, landscapers, property managers/owners, residents, and general public.	Public Education and Outreach. Performed a stormwater education survey addressing stormwater pollutants at and from the home and garden. Participants received a ticket for a raffle giveaway.	March 23-24	1
	Staffing			1
	Attended			Approx. 500
Stormwater Education	Public Meetings			
	Flyer			
	PSAs			
	Advertisement			
Illicit Discharge	Hotline	Handouts, Website, mylongview.com	Ongoing	
	Flyer			
	Inspections			
LSAC Meetings	Staffed and attended		Quarterly	
Manual Workshops	Scheduled			
	Advertised			
	Attended			
Car Wash Program	Free kit checkout	checkout	Ongoing	
	Letters to fundraising groups			
	Car wash kit signs			
Industrial Permittees Workshop	Coordinated/scheduled			
	Advertised in local paper			
	Advertised at Earth Day			
	Advertised with LCCA			
	Listed in online community calend			
Public Education	Solution to Pollution brochure			
	TDN advertisement			
	Columbia River Reader ad			
	City Info			
	TDN advertisement			
	Valley Bugler advertisement			
	4Cs Poster Campaign			

Contractors & Engineers Annual breakfast for members and interested members of the Lower Columbia Contractors Association (LCCA) and the Cowlitz Utility Commission.	Stormwater Display and Handouts focusing on underground utility work with respect to erosion, sediment, and pollutant controls and plans. Additionally, provide information regarding Longview's Stormwater Manual, and Ecology's SWMMWW.	Public Education and Outreach.	Feb. 5, 2014	Approx. 200 attendees
Individual and Group Education	Engineers, Contractors, and Developers	A big focus in 2014 was individual & group training on development & redevelopment codes including LID principles and BMPs.	ongoing	Most all local contractors, developers, and engineers
Pre-Application Meetings	Engineers, Contractors, Developers, Property Owners	Prior or during design phase meetings to learn about stormwater requirements, LID principles and BMPs, and stormwater treatment and flow control BMPs/Facilities	Ongoing	
Cleanwater Partnership	Local Stormwater Permittee's coordinating to establish and implement a public education & outreach program and stewardship opportunities to meet permit requirements.	This group stalled mid year due to key members unable to attend; some had left current jobs. The hope is this group will continue.		





LV	2014-26	3/12/2014	Beech St	OT	No	Yes	N/A	N/A	N/A	N/A	I	Visual Recon	Not Used	Sediment/Soil	Residential	Educational/Technical Assistance, Behavior/Operations Modification, Add or Improve Source Control BMP, Enforcement	Verbal	Muddy driveway	Provided education and verbal request for cleanup by resident which occurred the following day.	Yes	None
LV	2014-27	4/2/2014	500 block of 24th	OT	No	Yes	N/A	N/A	N/A	N/A	C	Visual Recon	Not Used	Vehicle Fluids	Residential		4/3/2014	Oil spill on roadway	The Street Division is responding at this time, no known responsible party and the weather is dry. Oil didn't enter into our MSA. Sand was used to adhere the small amount of oil on the road, the sand will be managed with the street waste profiled with oil contamination going to waste control then to Headquarters subtitle D landfill as allowed. The sand/oil was removed the following day.	Yes	None
LV	2014-28	4/4/2014	631 24th	I	No	Yes	N/A	N/A	N/A	N/A	C	Visual Recon	Not Used	Soaps/Detergents	Residential	Educational/Technical Assistance, Behavior/Operations Modification	4/4/2014	Sump pump issue.	Inspected and didn't observe any flow at the time or detect odors. Previously the owner ran the sump pump into the grassy yard; according to the call the discharge was going down their driveway. I didn't see any discharge down their driveway, the sump pump pipe discharge is located under a bush in front of the entry porch which will allow flow to the grass yard. Call called back on Thursday 4/24/14 and explained she has had to replace the sump pump a couple times recently however has been discharging only to the front yard. Clair indicated that she has a full build out basement and the water is only groundwater which may have been stagnant due to the pump going out recently triggering the call; she has a brand new sump pump now. Clair indicated she has no intentions of discharging any unclean water to the street and welcomed us to inspect anytime in the future. No illicit discharge was observed on 4/24/14 during pumping onto her yard when checked.	N/A	None
LV	2014-29	4/7/2014	Columbia Hts Road & Maple	OT	No	Yes	N/A	N/A	N/A	N/A	I	Visual Recon	Not Used	Oil Container	Residential	Investigate to verify wash discharge is recycled	4/7/2014	bucket of oil placed on road, no spill yet	Mile from traffic called back and they didn't stop to retrieve the bucket mainly because it had no lid. I spoke to the Street Div. who will go get the bucket and recycle the oil at the City shop or at a local oil recycling drop off station; providing it's not mixed with oil or anything else seems to be mixed with the oil. The street division picked up the oil and took to a local oil recycling drop off center.	Yes	None
LV	2014-30	4/22/2014	Tennant Way	I	No	Yes	N/A	N/A	N/A	N/A	C	Visual Recon	Not Used	Sediment/Soil/Bark	Commercial	Educational/Technical Assistance, Behavior/Operations Modification, Add or Improve Source Control BMP, Enforcement	Verbal	Track-out off & on near Swansons Wood & Bark	Inspected and found no signs of track-out, just runoff from the retail storage bringing bark other multi out. Will keep an eye out and speak to them about better material storage and loading & unloading practices.	Yes	None
LV	2014-31	5/1/2014	58432 Tennant Way off ramp	OT	No	Yes	N/A	N/A	N/A	N/A	C	Visual Recon	Not Used	Vehicle Fluids	Commercial	Educational/Technical Assistance, Behavior/Operations Modification, Add or Improve Source Control BMP, Enforcement	Verbal	Oil spill on roadway	Chris Collins called and said a street crew employee observed the oil spill that appeared to be hydraulic oil sprayed on the road (58432 off ramp), nothing to stormwater or off the road. I called this into the WSDOT's SW Region Traffic Mgmt Center (800)791-1300 and spoke with Dan. Dan indicated that he would get a supervisor out to respond; I gave our contact info for further assistance if needed. Dan called back within 10 min. and indicated their supervisor was onsite with Covault Clean Sweep indicating they are in process cleaning up the hydraulic oil residual. No threat to our MSA or other surface waters reported. The weather is hot and dry this day. The cleanup was verified the following day, no threat to stormwater.	Yes	None
LV	2014-32	5/8/2014	View Ridge	OT	No	Yes	N/A	N/A	N/A	N/A	C	Visual Recon	Not Used	Sediment/Soil	Residential	Educational/Technical Assistance, Behavior/Operations Modification, Add or Improve Source Control BMP, Enforcement	Verbal	Soil and sediment trackout onto street, plugging one catch basin	Called Drew of Cascade West Development at 11:00 am and left a message indicating an urgent need to plug the west catch basin, clean mud off the street, and install inlet protection at the east catch basin. Drew called back and I explained the urgent issues; Drew indicated he and others will go to the site right away and address the issues. Drew indicated that he is the CESCL for Cascade West Dev. and it sounded like the field crew didn't take care of his last request that would have prevented the issues. Drew indicated that they will do a better job with erosion & sediment control from now on. Verified at the end of the day that the issues were resolved.	Yes	None
LV	2014-33	5/8/2014	WA Way behind Kirpatrick	OT	No	Yes	N/A	N/A	N/A	N/A	I	Visual Recon	Chlorine test kit	Chlorinated pool water	Multifamily	Educational/Technical Assistance, Behavior/Operations Modification, Add or Improve Source Control BMP, Enforcement	5/8/2014	Swimming Pool being drained.	Inspected and observed clear water running off a concrete patio, then to a short grass strip overflowing onto the sidewalk then conveying about 40' down the sidewalk to the catch basin at the corner of Washington Way and 28th. The discharge was coming from the indoor swimming pool. The weather was cool and cloudy with no precipitation; the discharge was about 78 degrees Fahrenheit. I called the number on the pool door and manager Larry and another came right away and shut off the pump stopping the discharge. Using pool strips, the free chlorine showed "0" and pH was about 7.5. Larry called the pool cleaning vendor who came out to discuss. The state health department indicated on their recent inspection that the cyanuric acid level is near maximum allowable; therefore the pool vendor (Steve's Pools) decided it would be easier to drain the pool down especially with the hardness of the water. The vendor indicated that he dechlorinated the day before and my test strips taken supported this. It was estimated that about 800 gallons were pumped out of the pool prior to stopping that discharged to the catch basin inlet. However, the pH was only 7.4 based on more accurate field testing and the pool water was dechlorinated, we determined that no illicit discharge had occurred. We provided education to the manager and the vendor regarding future discharges and identified the best action involving dechlorinating, cooling, notifying us, and the discharge point in the parking area without causing a nuisance to sidewalk pedestrians. No threat identified on this one and the outfall into Ditch #4 is several miles away.	Yes	None
LV	2014-34	5/7/2014																			
LV	2014-35	5/12/2014	West end of 4646 Mt.Solo Rd	OT	No	Yes	N/A	N/A	N/A	N/A	C	Visual Recon	Not Used	Sediment/Soil	Industrial	Educational/Technical Assistance, Behavior/Operations Modification, Add or Improve Source Control BMP, Enforcement	5/13/2014	Keystone mud to ditch	I need to wait until the next rains as all is dried up at this time and didn't see a runoff issue, however signs that there could be an issue.	Yes	None
LV	2014-36	5/15/2014	Axis Bar & Grill	I	No	Yes	N/A	N/A	N/A	N/A	I	Visual Recon	Not Used	Soaps/Detergents, Food Waste/Grease	Commercial	Educational/Technical Assistance, Behavior/Operations Modification, Add or Improve Source Control BMP, Enforcement	5/22/2014	Complaint indicated Axis was washing equipment in alley to stormwater.	Inspected and observed some signs that the complaint may have been valid, however all is dry and the catch basin looked clean. The business is closed at this time. I'll stop by later in the day and provide verbal education and warning.	Yes	None
LV	2014-37	5/15/2014	Clean Machine 1170 Commerce Ave.	I	No	Yes	N/A	N/A	Yes	N/A	C	Visual Recon	Not Used	Soaps/Detergents	Commercial	Used car sales	5/22/2014	Potential illicit connection with vehicle washing operation.	Observed vehicle washing under a canopy with soapy runoff going to their parking lot catch basin outside the canopy. I spoke with Dan in the office who indicated that the wash water goes to a tank and is recycled. I said they must be recycling a lot of stormwater as well then. I was told to contact the owner (Leo Kesler) who will be in on Monday for specifics and addressing any issues. I'll check or stormdrain manhole as soon as I get traffic control assistance.	N/A	None
LV	2014-38	5/21/2014	30th & Old Red Canoe stripping	OT	No	Yes	N/A	N/A	N/A	N/A	C	Visual Recon	Not Used	Traffic Paint Grindings	Commercial	Educational/Technical Assistance, Behavior/Operations Modification, Add or Improve Source Control BMP, Enforcement	5/21/2014	Grinding old stripping and creating a dust storm.	Inspected right away and spoke with Chad Woods of Arrow Stripping and Painting, Inc. (503)254-7895. Upon arrival a lot of dust was being generated in the traffic lanes mainly due to the blower operation. First they grind the paint which produces only mild dust, then use a course broom to sweep the paint grindings, then use the blower for all the fines (not good). The weather is dry today. I provided Dust Control BMPs (written and verbal) and came up with a plan to finish their work today and future work expectations to avoid escalated enforcement. Inlet protection to be installed, get a fine broom to sweep the fines after sweeping with the course broom, then use the blower on low with a mist sprayer to control any further generated dust. The street will be swept of any dust generated today as well. I was told that the concrete has to be free of all dust and dry to apply the new stripping paint. In the future we discussed options such as Hesa Vacuums with a portable generator for operation in order to control dust and keep the surface dry. According to Chad, if using wet methods they would have to come back the following day to paint after drying and the surface wouldn't be clean after vehicles going over. So it seems this needs to be a dry operation for street stripping. I told Chad I'll be stopping by again to observe the dust control methods and informed him that I will be recording a verbal warning this time explaining our NPDES permit and enforcement process. Checked later in the day and the dust issue was being controlled well as discussed.	Yes	None
LV	2014-39	5/21/2014	Memorial Park Drive, S of 38th along dike area and adjacent businesses	N/A	No	Yes	N/A	N/A	N/A	N/A	C	Visual Recon	Not Used	None Found	Commercial		6/1/2014	Detecting petroleum odors	Caller called at 3:20pm. Checked areas out without entering private property. Observations along the ditches, drains, and roadside areas did not reveal any suspicions of the reported claims including viewing from the road into properties and the obvious petroleum and hazardous material odors. Checked the surface waters in the area and observed no concerns. Spoke with Steve Langdon who took the Chinook Ventures call and it sounds like this complaint may have been from the same anonymous person. 6/1/14 Checked again and did not observe or detect any reported issues.	N/A	None
LV	2014-40	5/21/2014	Chinook Ventures Mt. Solo Road at Landfill within City	N/A	No	Yes	N/A	N/A	N/A	N/A	I	Visual Recon	Not Used	None Found	Industrial		6/1/2014	Caller was onsite and observed oil residuals on the ground from onsite activity.	No issues observed while driving by land and ditches, have not made contact with owner to discuss. Will contact John Van Vossom (owner of the parcel) to discuss and request an onsite inspection. No threats to our MSA or other adjacent surface water are expected at this time. However groundwater threat potential and new vs historical spill or discharge is unknown if any. 5/21/14 The owner indicated he was not aware of any oil spills or discharges at the site and would soon check into it and perform cleanup if observed and keep me posted.	N/A	None



LV	2014-58	12/17/2014	848 Magnolia	I	No	Yes	N/A	N/A	N/A	N/A	C	Visual Recon	Not Used	Vehicle Fluids	Residential	Educational/Technical Assistance, Behavior/Operations Modification, Add or Improve Source Control BMP, Enforcement	Verbal	12/18/2014	Van leaking transmission fluid in alley	Inspected and didn't find, turns out I received the wrong address. Inspected again and resolved a minor leak with owner.	None	Yes
LV	2014-59	12/22/2014	Don Pedros Restaurant OR Way	I	No	Yes	N/A	N/A	N/A	N/A	I	Visual Recon	Not Used	Kitchen oil & grease	Commercial	Educational/Technical Assistance, Behavior/Operations Modification, Add or Improve Source Control BMP, Enforcement	Verbal	12/17/2014	Kitchen Oil & Grease bin creating an illicit discharge	Inspected on a permit source control check and found the illicit discharge of grease on the parking lot and evidence of mop water discharge; none discharging to our stormwater system at the time. I spoke with the owner who indicated he will have his crew thoroughly clean it up tomorrow and will train his employees. I told the owner I'll give the opportunity to prove no illicit discharge activity for future use without requesting structural source controls for the permit. 12/23/14 Verified on my way home that the cleaning was done good including the grease bin itself, I'll keep an eye on this periodically.	None	Yes
LV	2014-60	12/22/2014	059 19th Ave	OT	No	Yes	N/A	N/A	N/A	N/A	C	Visual Recon	Not Used	Oil Container	Residential				Someone dumped oil in front of his house and it's running onto the street.	An oil can was ran over spilling a very small amount on the road which spread thinly in a localized area. The weather was dry and no discharge to the nearest draining inlet. The owner of the adjacent house said the neighbors had a big party and also got oil on the sidewalk. I spread Amertorb material on the street and sidewalk. Our street sweeper will clean it up tomorrow.	None	Yes