

Annual Report

Question Number	Permit Section	Questions
1	S5.A.2	<p>Attach updated annual Stormwater Management Program Plan (SWMP Plan). (S5.A.2)</p> <p>Saved Document Name: Attachment 1_2015 SWMP update_1_03202015_0202.docx</p>
2	S9.D.5	<p>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.</p> <p>Not Applicable</p>
3	S5.A.3	<p>Implemented an ongoing program to gather, track, and maintain information per S5.A.3, including costs or estimated costs of implementing the SWMP.</p> <p>Yes</p>
4	S5.A.5.b	<p>Coordinated among departments within the jurisdiction to eliminate barriers to permit compliance. (S5.A.5.b)</p> <p>Yes</p>
4b	S5.A.5.b	<p>Attach a written description of internal coordination mechanisms. (Required to be submitted no later than March 31, 2015, S5.A.5.b)</p> <p>Saved Document Name: Attachment 2_Summary of Coordination Mechanism_4b_03202015_0202.docx</p>
5	S5.C.1.a.i and ii	<p>Attach description of public education and outreach efforts conducted per S5.C.1.a.i and ii.</p> <p>Saved Document Name: Attachment 3_2014 Outreach Summary_5_03202015_0203.docx</p>
6	S5.C.1.b	<p>Created stewardship opportunities (or partnered with others) to encourage resident participation in activities such as those described in S5.C.1.b.</p> <p>Yes</p>
7	S5.C.1.b	<p>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)</p> <p>Not Applicable</p>

- 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)
See Attachment 4_Public Participation Summary
- 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.
<http://www.redmond.gov/Environment/StormwaterUtility/NPDES/>
- 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
Illicit Discharge Action Manual_ June 24, 2013
- 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)
34
- 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)
425-556-2868
- 15b S5.C.3.c.ii Number of hotline calls received.

15

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)

See Attachment 5_2014 IDDE Information Sharing Summary

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)

11

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

Saved Document Name: Attachment 6_2014 IDDE Tracking Summary_20_03202015_0205.xlsx

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)

0

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.

23

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.

42

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.

213

29 S5.C.4.b.ii, iii and 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)

107

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.C4.c.v)
Yes
- 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.
Yes
- 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)
Yes
- 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.
Not Applicable
- 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. 
No
- 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)	335
46c	S5.C.5.b	Number of facilities inspected during the reporting period. (S5.C.5.b)	335
46d	S5.C.5.b	Number of facilities for which maintenance was performed during the reporting period. (S5.C.5.b)	43
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.	Not Applicable
49	S5.C.5.d	Inspected all municipally owned or operated catch basins and inlets as per S5.C.5.d, or used an alternative approach. (Required once no later than August 1, 2017 and every two years thereafter, except once no later than June 30, 2018 and every two years thereafter for the City of Aberdeen)	Not Applicable
49b	S5.C.5.d	Number of known catch basins.	10888
49c	S5.C.5.d	Number of catch basins inspected during the reporting period.	3568
49d	S5.C.5.d	Number of catch basins cleaned during the reporting period.	1502
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.
		Saved Document Name: Attachment 8_ 2014 Summary of Monitoring and Stormwater Related Studies_56_03202015_0207.docx
57	S8.B.1	Participated in cost-sharing for the regional stormwater monitoring program (RSMP) for status and trends monitoring. (S8.B.1)
		No
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.
		11
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)

Yes

67 G20 Number of non-compliance notifications (G20) provided in reporting year.

1

67b G20 List the permit conditions described in non-compliance notification(s).

S5.C.5.a.ii--catch basin cleaning performance timeline**Attachments:****View Files Attached to Submission**

DocDescr	DocName	DocExt	DocID	SubID	AppName
	Attachment 1_2015 SWMP update_1_03202015_0202.docx	.docx	343602	1494265	wqwebportal
	Attachment 2_Summary of Coordination Mechanism_4b_	.docx	343603	1494265	wqwebportal
	Attachment 3_2014 Outreach Summary_5_03202015_0203	.docx	343604	1494265	wqwebportal
	Attachment 4_ Public Participation Summary	.docx	343607	1494265	wqwebportal
	Attachment 5_2014 IDDE Information Sharing Summary	.docx	343610	1494265	wqwebportal
	Attachment 6_2014 IDDE Tracking Summary_20_0320201	.xlsx	343611	1494265	wqwebportal
	Attachment 7_Comment for response to Q 45	.docx	343612	1494265	wqwebportal
	Attachment 8_ 2014 Summary of Monitoring and Storm	.docx	343613	1494265	wqwebportal
	Attachment 9_ Comment for City Response to Q 59	.docx	343614	1494265	wqwebportal

Attachment 1



The City of Redmond Stormwater Management Program (SWMP) Plan

Prepared by Peter Holte
City of Redmond
Department of Public Works
Division of Natural Resources

March 20, 2015



INTRODUCTION

General Information about this Document

This document is the City of Redmond's Stormwater Management Program (SWMP) Plan. It has been created to comply with requirements found in the Western Washington Phase II Municipal Stormwater Permit (NPDES Permit), which part of the Federal Clean Water Act. The NPDES Permit requires that the City of Redmond produce a Stormwater Management Program Plan (SWMP Plan), and update it regularly, to reflect Redmond's actions and planned actions in meeting permit requirements.

The first NPDES Permit was issued to the City of Redmond by the State of Washington Department of Ecology in 2007 and revised in 2009. A new, one-year permit was issued to the City of Redmond on August 1, 2012. The 2012 re-issued permit extends the terms and conditions for the previously issued 2007 – 2012 NPDES permit for a period spanning between August 1, 2012 to July 31, 2013. A new, 5-year NPDES Permit took effect on August 1, 2013. This new 5-year permit will stay in effect until July 31, 2018.

Section S5.2.A requires that the City detail "activities for the upcoming calendar year" in order to meet the NPDES permit requirements. In many cases, requirements in the 2013-2018 NPDES permit do not take effect immediately. The City will meet new requirements as they take effect. In some cases, the City is taking preliminary actions to enact a requirement; actions of this type occurring in 2014 are noted.

This document is organized according to the five NPDES Permit SWMP elements. Excluding this introduction section, the five elements are the sections of this SWMP: 1) Education and Outreach, 2) Public Involvement and Participation, 3) Illicit Discharge Detection and Elimination, 4) Controlling Runoff from Development and Redevelopment projects, and 5) Municipal Operations and Maintenance. Within each section, requirements of the permit are individually detailed (i.e. S5.C.3.b). To review the permit language in comparison to what Redmond has designed in response, one can access the permit at the following Washington Department of Ecology website:

<http://www.ecy.wa.gov/programs/wq/stormwater/municipal/phaseIIww/wvphiiperm.html>

The City's SWMP Plan aims to reduce the discharge of pollutants into receiving waters within Redmond to the maximum extent practicable (MEP), to apply all known and reasonable technologies (AKART) to address stormwater pollutants, and protect receiving waters from degradation. These goals will be accomplished by the implementation of all aspects of this SWMP Plan and through action taken by the City that are not required by NPDES and thus not detailed in this Plan. The City intentionally exceeds some NPDES Permit requirements to better protect water resources and to keep those resources safe for human contact and able to sustain aquatic ecosystems/species.

PUBLIC EDUCATION AND OUTREACH

The City of Redmond's Natural Resources Division of Public Works provides and participates in a variety of education and outreach efforts focused on environmental stewardship, including stormwater management.

S5.C.1.a Targeted Stormwater Outreach

In 2015, the City of Redmond will take the following action to provide targeted stormwater-related outreach programs to the public:

1. Continue to coordinate with other permitted jurisdictions in Western Washington to create an outreach group called Stormwater Outreach for Regional Municipalities (STORM).
2. Loan "Salmon Safe" car wash stormwater catch basin insert kits to charities and to businesses interested in holding or sponsoring car wash fundraising events within the City. A consultant (Full Circle Environmental) will provide "pre-season" outreach to selected audiences by: a) meeting with the managers of businesses to make sure that the managers understand their responsibilities regarding use of the kits and compliance with the City Stormwater Code (Redmond Municipal Code 13.06), b) ensuring that the kits function properly, and c) meeting with, and distributing educational material to the faculty advisors for sports teams and school clubs at Redmond Middle School and Redmond High School.
3. Continue to provide classroom environmental educational programs to schools in Redmond via a partnership with the *Cascade Water Alliance* and the environmental education non-profit organization, *Nature Vision*. In addition, the City is a financial partner for the *Sammamish Watershed Festival*—an outdoor festival that provides a full day of hands-on environmental education to over 280 Redmond fourth graders.
4. Offer other stormwater outreach activities as time and opportunity allow.

S5.C.1.b Creating Stewardship Opportunities

In 2015, the City will provide stewardship opportunities via the *Green Redmond Partnership*, a volunteer stewardship program in partnership with the non-profit land conservation organization, *Forterra*.

S5.C.1.c Measuring Outreach Effectiveness

In 2015, the City will again hire a consultant to conduct Charity Carwash Program drive-through (windshield) monitoring in Redmond six weekends a year. The consultant monitors sites that have sponsored charity carwashes in the past and searches for new locations where this activity may be taking place. If the consultant discovers a charity event that does not have a kit, they supply a kit and offer education as to why and how car wash events can harm local waterways. If the consultant finds an event that is using a kit, they inspect the kit's set up to ensure that it is installed correctly and diverting water to the proper location. The consultant will provide two reports to the City. These reports will provide the City

with information on program effectiveness and make recommendations as to how the program might be improved.

PUBLIC INVOLVEMENT AND PARTICIPATION

The City of Redmond is committed to ongoing opportunities for public input into the development of this plan and for public input into initiatives designed to improve water quality.

S5.C.2.a and S5.C.2.b Involving the Public in the SWMP

In 2015, the City invited the public to review and comment on the City's Stormwater Management Program Plan (SWMP Plan) via an advertisement on the City's web home page. The City welcomes comments from the public at any time throughout the year, and provides a contact number for residents to call with questions throughout the year from the City's SWMP webpage:

<http://www.redmond.gov/Environment/StormwaterUtility/NPDES/>

The City also begun to engage the public as part of our implementation of watershed restoration activities within Tosh Creek Watershed and Monticello Creek Watershed. As part of this effort, the City will work with *EnviroIssues* to engage residents living in the Toss Creek Watershed; gathering their feedback concerning the City's stormwater management within the basin. The City may also begin to engage residents living in the Monticello Creek Watershed; gathering information that will help formulate a plan for restoration activities in that watershed.

ILLICIT DISCHARGE DETECTION AND ELIMINATION

The Illicit Discharge Detection and Elimination (IDDE) program is designed to prevent contamination of groundwater and surface water by monitoring, tracking, and removing non-stormwater discharges into the stormwater drainage system.

S5.C.3.a Municipal Stormwater Drainage System Map

In 2015, the City will continue to maintain an up-to date stormwater conveyance map in an enterprise geospatial database. Updating and managing geospatial data is done according to documented procedures and quality control standards. Global information system (GIS) data includes attributes that describe ownership, water quality facility design details, flow control facility design details, conveyance design information, and spatial data. GIS data is managed with ESRI software and database management system solutions. Both private and public stormwater system data is managed geospatially. The GIS stormwater data includes all nominal diameter pipes, not just 24 inch or larger. Land use and drainage area delineations for each outfall have been developed and are updated regularly.

S5.C.3.b Water Pollution Prevention Ordinance/Municipal Code 13.06

The City of Redmond Municipal Code 13.06 authorizes the IDDE program and meets the requirements specified in the NPDES. In the vast majority of cases, the City works to enforce this code by using education and technical assistance to seek voluntary compliance. The City will escalate its response as necessary to ensure compliance; first by supplying violators with a warning letter that clearly details what is needed to comply with Municipal Code 13.06 and the consequences of refusal to comply. If further actions are needed, the City has the power to bring violators before the City's hearing examiner.

S.5.C.3.c Ongoing IDDE Program to detect non-stormwater discharges and Illicit Connections

The City is required to screen 40% of the City's stormwater system for illicit connections by December 31, 2017. In 2014, City's stormwater maintenance crew began using required stormwater facility inspections as an opportunity to conduct vision inspection procedures for signs of illicit connections. This visual inspection protocol is noted as an acceptable screening practice in *Illicit Discharge Detection and Elimination: A Guidance Manual for Program Development and Technical Assessment, Center for Watershed Protection, October 2004*. These inspections are recorded as part of the Stormwater Crew's catch basin inspection records. The stormwater crew will notify the City's IDDE coordinator if potential pollution issues are identified.

A portion of the 40% of the City's stormwater system may also be fulfilled by using a camera cart to video sections of the City's stormwater system. This method is also identified as an acceptable screening practice in the document noted in the previous paragraph. The percentage of this requirement that will be fulfilled by this requirement has not yet been determined.

S.5.C.3.d Implement an ongoing program designed to address illicit discharges

The City currently has an ongoing, fully funded, IDDE program. The City responds to and investigates, calls regarding environmental concerns such as illegal dumping, spills, illicit discharges, and illicit connections. Documentation of IDDE procedures are detailed in the City's *Illicit Discharge Detection and Elimination (IDDE) Program Manual: City Policies and Procedures (2011)*.

The City operates a telephone hotline that allows citizens to report illicit discharges or illicit dumping within city limits: (425)556-2868. The hotline is covered 24 hours a day, seven days a week. During regular business hours, calls are received and followed up on by the Natural Resources Division of Public Works. Off hour calls are managed by Redmond's police dispatch and standby maintenance crew. The hotline has been publicized by the City's website, magnets distributed at community events, Redmond's television channel (RCTV), and most outreach materials created by the City typically include the hotline number. All calls are tracked and followed up on.

Additionally, targeted outreach materials have been developed and deployed to the public for restaurant related non stormwater discharges, car washing, and general awareness of stormwater and prohibited discharges.

In 2015, these activities will continue.

S.5.C.3.e IDDE Staff Training

Scott McQuary, the City of Redmond Pollution Prevention Program Administrator (including IDDE program) and Joe Capis, Private Drainage Inspector, attended King County's IC/IDDE training to comply with Section S5.C.3.f.i of the Phase II Municipal Stormwater Permit in 2009. In 2015, IDDE staff will look for and participate in opportunities to remain up-to-date on new spill response and illicit discharge detection procedures by participating in webinars, training workshops, conferences and other capacity building activities, if and when such activities become available.

S.5.C.3.f Program Recordkeeping

The City currently tracks each type of IDDE incidence that rises to the level of a G3 notification. Records include a copy of the G3 notification, the City's response to the incident, the timing of the response and how those incidences are resolved. As previously mentioned, the City also maintains records of visual inspections of catch basins and other stormwater facilities in order to meet the 40% screening requirement.

CONTROLLING RUNOFF FROM NEW DEVELOPMENT, REDEVELOPMENT AND CONSTRUCTION SITES

How development and redevelopment occur within Redmond can have a significant impact on the health of City waterways. The City reviews development plans, inspects development sites during construction, and monitors private stormwater system infrastructure bi-annually to ensure facilities are maintained. In addition, the City has begun taking actions to incorporate new alternative stormwater management practices--a.k.a. Low Impact Development (LID)--into its code and operating procedures as required by the NPDES permit.

S5.C.4.a Apply Stormwater Management Standards to Development, Redevelopment, and Construction Sites

Redmond Municipal Code (RMC) 15.24 codifies stormwater management in Redmond, and includes code for construction, and stormwater infrastructure design. RMC 15.24 was updated June 15, 2010 to include all minimum requirements and language required by this section of the permit and the permit's *Appendix 1*.

Redmond uses its *Stormwater Technical Notebook* (2012) to detail the required construction practices to protect waterways and to convey construction standards for new or retrofitted stormwater infrastructure. The current notebook is based on the *2005 Stormwater Management Manual for Western Washington (SWMMWW)*. In 2015, the City has begun identifying necessary actions and strategies to update the *Technical Notebook* to the standards detailed in the 2012 SWMMWW by December 31, 2016.

In the Downtown Redmond and the Overlake Neighborhood, the City will use regional facilities to meet Minimum Requirement #5: On-site Stormwater Management and Minimum Requirement #6: Runoff Treatment in the permit's *Appendix 1*. In 2015, a regional stormwater vault in the Overlake Neighborhood, and a regional water quality treatment facility in Downtown Redmond will be fully operational. More information regarding Redmond's use of regional facilities, including a copy of Ecology's *Letter of Support* for this approach, is available on the City's website:

<http://www.redmond.gov/Environment/StormwaterUtility/RegionalFacilities>.

Section 7 of Appendix 1 allows permittees to seek approval from Ecology to tailor certain development and redevelopment stormwater requirements. The City used this provision to gain approval for an alternative method of achieving compliance with Minimum Requirement #5: On-site Stormwater Management, Minimum Requirement #6: Runoff Treatment, and Minimum Requirement #7: Flow Control in permit's *Appendix 1*.

The City of Redmond Watershed Management Plan provides the details of this alternative approach. For 2015, the City has begun implementing the *Watershed Management Plan* by building additional stormwater detention facilities in Tosh Creek Watershed using a \$5 million grant from the Washington State Department of Ecology. In addition, the City received another National Estuaries Program grant for Monticello Creek Watershed and is continuing to formulate a watershed restoration implementation strategy for that area. More information regarding the *Watershed Plan*, including Ecology's *Letter of Approval* for this approach, is available on the

City's website:

<https://www.redmond.gov/Environment/StreamsHabitat/lakesriversstreams/WatershedManagement>.

S5.C.4.b Review and Inspect Development/Redevelopment Projects

The City has a permitting process with civil/site plan review and approval process, inspection, and enforcement to meet standards established by S5.C.4b for all new and redeveloped sites that meet the thresholds details in Appendix 1 of the NPDES permit (see Figures 3.2 and 3.3. on pages 9 and 10 of Appendix 1). This oversight occurs in phases: prior to construction during the plan acceptance process, before the site is cleared during an initial site construction best management practices (BMP) implementation inspection, during construction via construction site inspections, and post construction as part of the stormwater infrastructure acceptance inspection.

Plans are reviewed by licensed engineers or qualified engineering firms for compliance with Redmond's standards. Public projects do not typically trigger local permits; however, public projects are subject to and abide by Redmond's development/redevelopment stormwater management standards.

The City's stormwater engineers review projects that trigger temporary erosion and sediment control (TESC) plans, wet weather plans, or stormwater pollution prevention plans (SWPPP). Once the City has accepted a plan to control erosion, runoff and other potential construction impacts, and prior to extensive clearing and construction, City staff inspects the site to ensure that the proper TESC measures have been selected, properly placed, and installed correctly.

During construction, the City conducts frequent inspections at the worksite--typically more than once a week when utilities are being constructed, and after major rain events--to ensure proper implementation and maintenance of TESC best management practices. Redmond inspectors have the authority to enforce Redmond Municipal Code (RMC) 13.06 and RMC 15.24, using corrective action notices and stop work orders, to insure the protection of receiving waters from construction impacts.

After construction, the City again inspects stormwater structures at a project site. If the maintenance thresholds have been triggered, the City requires that needed maintenance take place. If the maintenance thresholds have not been reached, or once maintenance has been completed, the City then accepts the project.

S5.C.4.c Post Construction Operation and Maintenance

The City has provisions to verify adequate long-term operation and maintenance (O&M) of post-construction stormwater facilities and BMPs. RMC 13.06 requires inspection and maintenance of private stormwater facilities, and all stormwater structures (including pipes and catch basins), in accordance or excess of requirements established by the NPDES Permit. RMC 13.06 also establishes enforcement authority and procedures. Redmond has adopted and enforces maintenance standards equivalent to or more protective than those established in the 2005 *Stormwater Management Manual for Western Washington* (Volume V, Chapter 4).

The City has records of our private stormwater inspection program dating back to 1990. These records enable the City to use a reduced frequency inspection of stormwater infrastructure as allowed by the permit in S5.C.4.c.iii. Based on an analysis of these program records, the City inspects private stormwater treatment and flow facilities every other year on a rotating basis, splitting drainages between even and odd numbered years. In 2015, the City will inspect stormwater facilities in the following basins: Marymoor, North Star, Education Hill, Westside, Lake Sammamish as well as coalescing plate vaults and media cartridges vaults. For additional information regarding why and how the City uses reduced frequency inspections, contact Peter Holte, 425-556-2822.

When maintenance needs are identified, City staff notifies the property owners. The property owners provide the City with receipts and other documentation as proof that the work has been completed. In some cases, the private stormwater facilities inspection coordinator will revisit the site to ensure that necessary maintenance has occurred.

As mentioned previously, all stormwater infrastructure, including runoff treatment and flow control facilities, are inspected post construction one year after acceptance, to release warranty bonds. Once this occurs, sites are added to the long term private system inspection program and typically get inspected within one year from the warranty bond release.

During heavy house construction, single-family home inspectors inspect the stormwater drainage system that can potentially be impacted by the home construction activity. This occurs every six months during heavy home construction. If facilities and stormwater conveyance require cleaning during home construction, responsible parties are required to perform maintenance/cleaning.

S5.C.4.d Notice of Intent (NOI)

The City makes the application for NOIs for coverage under the NPDES Construction Stormwater General Permit and the NPDES General Industrial Stormwater Permit available to the development proponents. Copies of the application are also available at Redmond City Hall, in the Development Services Center. This activity is on-going in 2015.

S5.C.4.e Staff Training

All staff responsible for plan review of stormwater runoff controls are licensed professional engineers or qualified consultants. Follow-up training is provided as needed to address changes in standards, procedures, techniques, and staffing. City staff members responsible for inspection of stormwater infrastructure are adequately trained to do so. All staff responsible for managing construction TESC measures are Certified Erosion and Sediment Control Lead (CESCL) trained. Additional Public Works construction staff and maintenance technicians may also receive their first CESCL certification if it is determined it will ensure that the City's inspection requirements are being met. The City will continue to document and maintain records of training provided and the staff trained.

S5.C.4.f Low Impact development code-related requirements

The permit's Low Impact Development (LID) requirements require the City to review, revise, and alter City codes, standards, and procedures with the goal of making LID the "preferred and commonly-used approach to site development." The City has started the work necessary to comply with requirement, using guidance provided by the Washington State Department of Ecology via the *Integrating LID Local Codes: A Guidebook for Local Government (Puget Sound Partnership, 2012)* and others materials provided in Ecology sponsored LID Integration Workshops.

The City has established a cross-department steering group to oversee the integrations process, and contracted with a private contractor, SvR Designs, to coordinate a policy review. In 2015, City staff will begin the review of City policies and procedures. This work will result in a gap analysis that will be used to determine what changes to City codes, procedures and standards. In 2016, the City will begin adopting changes to the codes and procedures.

S5.C.4.g Watershed-scale stormwater planning

Permit requirements detailing the City's participation in the watershed planning process are currently under appeal by the City of Woodinville. The City is monitoring this appeal. The City of Redmond is continuing conversations with King County to support the county's watershed planning process in the Bear Creek Watershed. The City will fully participate in the County's efforts to implement this permit requirement.

POLLUTION PREVENTION AND OPERATION AND MAINTENANCE FOR MUNICIPAL OPERATIONS

The City of Redmond has taken many steps to insure operation and maintenance activities are done in a manner that protect and reduce potential impacts to stormwater drainage and receiving waters.

S5.C.5.a Maintenance Standards

The City adheres to and has adopted maintenance standards in Chapter 4 of Volume V of the *2005 Stormwater Management Manual for Western Washington*. In some instances, as with the trigger to clean catch basins, the City exceeds maintenance requirements.

S5.C.5.b Annual Inspection of Flow Control and Runoff Treatment Facilities

The City currently inspects and maintains flow control and runoff treatment facilities owned and operated by the City to ensure they are maintained in accordance with City standards. Control structures related to ponds and bioswales are inspected annually. The stormwater crew uses a GIS database to inspect, identify maintenance needs, and detail what facilities have been maintained. Cleaning and maintenance occurs within the timeframe prescribed by the NPDES Permit. New stormwater treatment and flow control facilities are added to the inspection list when the City takes them into ownership.

In some cases, the stormwater crew relays maintenance issues to City stormwater engineers so they can assess if the issue can be addressed for less than \$25,000. If the remedy exceeds \$25,000, it is considered a capital improvement project and is placed on a list of prioritized capital stormwater facility needs.

S5.C.5.c Major Storm Event Inspections

The City typically inspects the stormwater system during and after large storm events. In 2015, as per NPDES requirements, the City's stormwater crew and City engineers will inspect the stormwater system should we have an event that is equal to or greater than the 10-year 24-hour storm (2.8 inches of rainfall in 24 hours).

S5.C.5.d Catch Basin Inspections

Currently the City has opted to inspect and clean all municipally operated catch basins once by August 1, 2017, and every two years thereafter. The City may use a different alternative in another part of the City in future years. The City is choosing to clean all catch basins which have 50% of the catch basin's storage capacity filled. This exceeds the City's formal standard of 60%. Maintenance and cleaning of catch basins occurs within 6 months of the inspections, as required by the permit.

S5.C.5.f Reduction of Municipal Operations Stormwater Impacts

Redmond has developed and adopted procedures for all items listed in the permit requiring documentation of practices/procedures. Locally developed standard operating procedures (SOPs) are equivalent or more protective of receiving waters than those in Volume V of the *2005 Ecology Stormwater Management Manual for*

Western Washington. Procedures and associated policies have been developed and provided to maintenance staff and maintenance staff supervisors/management in Public works and Parks and Recreation; training has also been provided.

In the last two years the City's Public Works Maintenance Operation Center has hired a number of new supervisors. The City will schedule the routinely review of stormwater-related SOPs. This schedule will similar to that of other Maintenance Operation Center SOPs—for example, health and safety SOPs.

S5.C.5.g O&M Employee Training

The City maintains a training program for all operations field staff on procedures necessary to protect stormwater drainage and receiving waters. The training also included Redmond specific information on water quality and IDDE awareness as discussed in the IDDE section of this plan. All maintenance staff have been trained and plans have been established to train new maintenance employees, including limited duration employees.

S5.C.5.h Stormwater Pollution Prevention Plan (SWPPP) for Redmond's Maintenance and Operations Center

The City developed a SWPPP for its Maintenance and Operations Center. The plan was developed using a consulting firm (Brown and Caldwell) with experience developing SWPPPs for industrial sites. The City's SWPPP details a stormwater and BMP monitoring program, spill response protocol, structural (with implementation dates) and operational BMPs, site maps, contaminant inventory, and a schedule to annually review the SWPPP.

The Current SWPPP has been updated to reflect new construction at the Public Works and Parks Maintenance and Operation Center (MOC). As required by the SWPPP, MOC staff will continue to conduct monitoring in accordance with the schedules provided in the SWPPP.

S5.C.5.i Record Maintenance

The City maintains records of inspection, maintenance, and repair to City operated stormwater facilities as detailed in each section of S5.C.5. MONITORING AND ASSESSMENT

For a number of years, the City of Redmond has monitored both water quality in lakes, rivers and streams, and the effectiveness of best management practices to protect water quality. The 2013-2018 permit now requires all permittees to either pay into a regional monitoring program or conduct water quality monitoring as defined by the permit. The following details how the City will meet permit requirements related to: a) status and trends monitoring, b) effectiveness studies, and c) source identification and diagnostic monitoring.

S8. A. Annual Reporting

In 2015, the City will provide a description of studies of monitoring and stormwater related activities conducted by or on behalf of the City as part of this annual report.

S8.B Status and Trends Monitoring

The City of Redmond has chosen to conduct its own status and trend monitoring, as is allowed by the permit. In 2015, the City began monitoring 7 sites identified in the approved Quality Assurance and Project Plan (QAPP) provided to the City by the Department of Ecology. This monitoring conforms to the methods and procedures specified in the QAPP. More information regarding the City's efforts to monitor status and trends in local waterways is available by contacting our Surface Water Quality Technician, Tanya MacFarlane, at 425-556-2764.

S8.C Effectiveness Studies

The City has chosen to buy into the Regional Stormwater Management Program (RSMP) effectiveness study in order to meet this requirement. In 2015, the cost to City of Redmond to buy into this program is \$21, 899.00.

S8.D Source Identification and Diagnostic Monitoring

The City is required to pay into the RSMP source identification and diagnostic monitoring program. In 2015, the cost to City of Redmond to buy into this program is \$2,031.00.



Attachment 2

NPDES Permit Coordination Summary

The NPDES Coordination Requirement

S5.A.5.b in the *Western Washington Phase II NPDES* permit requires that the City creates a: “...*coordination mechanism among departments within each jurisdiction to eliminate barriers to compliance with the terms of this permit. Permittees shall avoid conflicting plans, policies, and regulations.*”

City Response to this Requirement

The City created a City-wide, interdepartmental NPDES Group that functions as our “coordination mechanism.”

Goals for Citywide NPDES Coordination

- Re-enforce the City’s commitment to protecting our lake, river and streams as a routine part of daily operations.
- Promote adoption of City activities to meet the intent and the letter of the law, as defined in the NPDES permit.
- Provide a network through which permit-related information can reach affected work groups.
- Ensure that City work groups have the tools, information, and resources to more efficiently and easily meet permit requirements.
- Allow City work groups the autonomy to design and enact actions that meet permit requirements (they do need to check with the permit coordinator to ensure the City is protected from legal liability).

How the NPDES Group will Work

- Work groups will appoint a representative to act as a point of contact with City NPDES Administrator for NPDES-related issues relevant to their work group.
- The contact person will regularly attend NPDES Coordination Group meetings. (The NPDES Group will determine its meeting frequency--meeting at least twice a year.)
- The work group representative will work with the City’s NPDES Administrator and other City staff to ensure that NPDES requirements are met. This may include actions such as:
 - Interpreting relevant NPDES requirements.
 - Designing and documenting permit-related procedures.
 - Identifying barriers that may prevent a work group from meeting a permit provision, and strategizing options to eliminate that barrier.
 - Providing information needed to draft *Annual NPDES Permit Reports*.
 - Drafting letters and other permit-related documents and notifications to Ecology that pertain to their area of work.
 - Preparing for a potential NPDES Phase II audit by Ecology.

Attachment 3



2014 NPDES Annual Report Outreach Summary
3/19/2015

The City of Redmond took the following actions to meet the NPDES outreach requirements (S5.C.1.a.i and ii).

- 1) To build awareness of stormwater pollution issues, the City:
 - Worked with the non-profit group, *The Environment Coalition of South Seattle* (ECOSS) to provide general stormwater awareness information, and promote the City's spill hotline number, to property management companies. This program also provided spill kits to 17 individual business owners that rented from the contacted property management companies. A program report summary is available upon request.
 - Funded 39 stormwater-related environmental education classroom presentations for grades 3-5. Presentations were made by the non-profit organization, *Nature Vision*. These programs educated 1014 student on the general impacts of stormwater runoff pollution on surface waters.
 - Funded the Sammamish Watershed Festival. Over the course of 3 days, this festival provided environmental education to approximately 750 fourth graders from throughout the Sammamish Watershed. Many of the festival's activity provided education regarding the general impacts of stormwater on surface waters.
 - Supported and used the regional Puget Sound Starts Here stormwater awareness campaign logo and messaging in informational pieces created for the public.
- 2) To effect behavior change the City contracted with *Full Circle Environmental* to provide an outreach program designed to increase the use of charity car wash kits, and reduce charity car wash events that did not use such a kit. In the spring and fall of 2014, the consultant:
 - *Provided preemptive charity carwash outreach.* The consultant visited four businesses and ten secondary education schools. The consultant determined if each business site allowed charity car washes to occur on their property and/or off-site. The consultant shared Redmond car wash pollution prevention information and proper car wash kit use to business owners and site

managers, school activity directors and school office managers. The consultant documented the name, title, and contact information for each person contacted. The consultant provided information to all contacts on how to check-out a storm drain water diversion kit from the city. The consultant also informed all contacts of the environmental consequences for allowing car wash runoff to enter a storm drain.

- *Conducted drop-in charity car wash outreach* (5 Saturdays in August and September and 4 Saturdays between April and June). The consultant drove through Redmond using a designated route between the hours of 10:00 a.m. and 11:00 a.m. visiting charity car washes and possible charity car wash sites. The consultant had a car wash kit that could be deployed if the group did not have one. The consultant also was prepared to gather information about each charity group and main contact hosting the car wash, the site manager who approved the car wash, information regarding the storm drain water diversion kits they were using (if applicable), and photos of the kits and storm drains on site. The consultant was also prepared to educate groups and site managers on where their polluted wash water goes once it enters a storm drain and why the city requires the use of a storm drain water diversion kit. The consultant was also prepared to provide information to the site manager and the group coordinator regarding how to borrow a car wash kit in the future. Further, the consultant was prepared to document if groups were aware of car wash run-off issues to assist with the city's NPDES permit compliance.
- Reports summarizing the spring and fall activities for the *2014 Charity Car Wash Outreach Program* and its outcomes are available upon request.

Attachment 4



2014 NPDES Annual Report Public Participation Summary
3/19/2015

In 2014 to meet NPDES permit requirements S5.C.2.a and S5.C.2.b the City:

- Advertised the opportunity to comment on the *City of Redmond 2014 Stormwater Management Program (SWMP) Plan* by placing an internet banner ad on the City's home page. The ad ran for four weeks in March and April 2014, and invited the public to review and comment on the City's SWMP Plan.
- In addition, the City's NPDES website (<http://www.redmond.gov/Environment/StormwaterUtility/NPDES/>) also invites the public to make comments on the City's SWMP at any time throughout the year.
- The City also engaged the public via the watershed restoration activities within Tosh Creek Watershed. As part of this effort, the City worked with *Triangle Associates* to engage and gather feedback from residents living in the watershed, concerning the City's stormwater management within that basin.

Attachment 5



City of Redmond Summary of IDDE Information Sharing (S5.C.iv)
3/20/2015

In 2014, the City of Redmond informed employees, businesses and general public of the hazards associated with illicit discharges and improper disposal of waste by:

- Screening new businesses licenses and providing outreach when appropriate.
- Placing entries on the City employee blog platform, Yammer.
- Working with the non-profit organization, *The Environmental Coalition of South Seattle*, to supply outreach to property management companies.
- Producing “spill hotline magnets” which are distributed to City staff and the general public at City events.
- Placing information on the City’s website:
<http://www.redmond.gov/Environment/StormwaterUtility/NPDES/IDDEProgram/>.



File Home Insert Page Layout Formulas Data Review View PowerPivot Dynamics AX Acrobat SIRE

Clipboard Font Alignment Number Styles Cells Editing

Normal Bad Good Neutral Calculation Check Cell Explanatory... Input

H2

Attachment 6

IDDE Tracking Summary 3/19/2015

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
Time	Jurisdiction	1. Email	2. Unique Identifier	3. Date incident initially reported	4. Location	4a. Street Address	4b. And Or Zip Code	4c. And Or Hazard Intersect	4d. Is the structure mapped or inventoried?	Weather condition at time of report (Raining)	5a. Temperature	5b. Precipitation in previous 24hr	6. Frequency	7a. Threat Determination and G3	7b. Immediate Response?	7c. G3 Notification?	8. Investigated within 7 days per program procedures	9. Suspected illicit connection, investigated	10. Resolution of illicit connection within 6 months?	9. How did you learn about the problem?	9a. ERTS Number	10. Source Tracking Method	11. Indicator Testing?	12. Pallet(s) Identified?	13. Source or Cause?	13a. Commercial [Commercial]	14. Corrective Elimination Method?	14a. Enforcement [Enforcement]	15. Final Resolution Date	15. Final Resolution																																																																					
	Redmond	jm.cquary@redmond.gov	20140328_L_647788	3/28/2014	Service Station	18000 REDMOND WAY	98052		Yes	Not raining	0.56	One-time Spillar Discharge	Yes	Yes	Yes	Yes	N/A	N/A	Other: PW After hour Standby notification	647788	Visual/scan	Visual indicators, Odor	Other: Petroleum	Commercial	Fueling	Other		4/10/2014																																																																							
	Redmond	jm.cquary@redmond.gov	20140408_L_647988	4/8/2014	public right-of-way	4300 BLOCK OF 150TH AVENUE	98052		Yes	Not raining	0	One-time Spillar Discharge	Yes	Yes	Yes	Yes	N/A	N/A	Other: PW Stormwater maintenance	647988	Visual/scan	Visual indicators	Vehicle Fluids	Source Not Identified	Source Not Identified	No Action Needed		4/8/2014																																																																							
	Redmond	jm.cquary@redmond.gov	20140515_L_648934	5/20/2014	Office Building	8200 161ST ST NE	98052		Yes	Not raining	0	One-time Spillar Discharge	Yes	Yes	Yes	Yes	N/A	N/A	Other: Incidental field observation	648934	Visual/scan	Visual indicators	Other: Drilling Slurry	Construction	Construction	Adder Improve Source Central BMP, Behavior/Operations Modification, Enforcement, Other	Written Warning	5/22/2014																																																																							
	Redmond	jm.cquary@redmond.gov	20140521_L_649015	5/21/2014	Apartment/commercial building	8100 161ST AVENUE	98052		Yes	Not raining	0	One-time Spillar Discharge	Yes	Yes	Yes	Yes	Yes	N/A	Other: Incidental field observation	649015	Visual/scan	Visual indicators	Not Identified	Source Not Identified	Source Not Identified	Education/Technical Assistance, Enforcement, Other	Verbal Notice	5/23/2014																																																																							
	Redmond	jm.cquary@redmond.gov	20140721_L_650341	7/21/2014	public right-of-way	154TH AVENUE & NE 63RD WAY	98052		Yes	Not raining	0	One-time Spillar Discharge	Yes	Yes	Yes	Yes	N/A	N/A	Other: PW Wastewater maintenance	650341	Visual/scan	Visual indicators	Source of Septage	Sanitary Overflow	Sanitary Overflow	Other		7/21/2014																																																																							
	Redmond	jm.cquary@redmond.gov	20140723_L_650301	7/23/2014	Redmond Fire Station 16	6502 185TH AVENUE	98052		Yes	Raining	0.66	One-time Spillar Discharge	Yes	Yes	Yes	Yes	Yes	N/A	N/A	Other: Fire Dept. mechanic	650301	Visual/scan	Visual indicators	Other: Fire Foam	Public Entity	Public Entity	Education/Technical Assistance, Behavior/Operations Modification		7/30/2014																																																																						
	Redmond	jm.cquary@redmond.gov	20140910_L_651493	9/10/2014	Single family flat construction site	800 WESTLAKE SAMMAMISH PKW	98052		Yes	Not raining	0	One-time Spillar Discharge	Yes	No	Yes	Yes	N/A	N/A	Other: PW After hour Standby notification	651493	Visual/scan	Visual indicators	Cement/Concrete	Construction	Construction	Education/Technical Assistance, Behavior/Operations Modification, Enforcement, Other	Verbal Notice	9/15/2014																																																																							
	Redmond	jm.cquary@redmond.gov	20140924_L_651832	9/24/2014	Residential	18300 184TH AVENUE	98052		Yes	Not raining	1.21	One-time Spillar Discharge	Yes	Yes	Yes	Yes	N/A	N/A	Other: Planning Constr. Inspection	651832	Visual/scan	Visual indicators	Sediment/Soil	Commercial	Mobile Business	Education/Technical Assistance, Behavior/Operations Modification, Enforcement, Other	Stop Work Order	9/25/2014																																																																							
	Redmond	jm.cquary@redmond.gov	20141001_L_651961	10/1/2014	Condominium Complex	15800 NE 90TH WAY	98052		Yes	Not raining	0	One-time Spillar Discharge	Yes	Yes	Yes	Yes	N/A	N/A	Other: RP call to Spill Hotline	651961	Visual/scan	Visual indicators	Vehicle Fluids	Commercial	Other	Other	Written Warning	10/1/2014																																																																							
	Redmond	jm.cquary@redmond.gov	20141031_L_652600	10/31/2014	City park property	17700 NE 124TH ST	98052		Yes	Shower	1.63	One-time Spillar Discharge	Yes	Yes	Yes	Yes	N/A	N/A	Other: Park Operator	652600	Visual/scan	Visual indicators, Turbidity	Sediment/Soil	Public Entity	Public Entity	Education/Technical Assistance, Behavior/Operations Modification		11/7/2014																																																																							

Attachment 7



Comment to the “No” response in Question 45

3/19/15

On January 2, 2014, the City of Redmond completed an analysis and the results showed that catch basins had been inspected and determined to exceed the maintenance standards for sediment removal. There were no records indicating that maintenance was performed for these basins. Upon field verification, 150 catch basins needed to be cleaned within 6 months as required by S5.C.a.ii.

The City filed a G20 notification with the Department of Ecology. The identified catch basins were cleaned. No further actions was requested by Ecology.

Attachment 8



Summary of City Stormwater Monitoring and Research
3/19/15

Six Swales Bioretention Monitoring Program--Using a direct allocation grant from the *Department of Ecology*, the City of Redmond conducted *in situ* effective monitoring on fully operational bioretention swales. For more information on this study, including the likely completion date of the monitoring report contact Andy Rheaume, at 425-556-2741, AJRHEAUME@redmond.gov.

Attachment 9



Comment to City Response to Question 57

3/19/15

The City of Redmond is choosing Option #2 to meet permit requirement S8.B.1.