



# Water Quality Program

## Permit Submittal Electronic Certification

**Permittee:** KIRKLAND CITY

**Permit Number:** WAR045521

**Site Address:** 123 5TH AVE  
Kirkland, WA 98033

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

**Version:** 1

**Due Date:** 3/31/2016

### Questionnaire

Number	Permit Section	Question	Answer
1	S5.A.2	Attach updated annual Stormwater Management Program Plan (SWMP Plan). (S5.A.2)	Line 1 2016 SWMPPlan_1_03162016082154
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.	Not Applicable
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
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.	Line 5 Kirkland Education and _5_03072016013847
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)	Yes
7b	S5.C.1.b	Attach description of how this requirement was met.	Line 7b Kirkland Public Ed Mea_7b_03072016014145
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)	Draft 2015 SWMP Plan was posted on Kirkland's website for public comment, along with the NPDES Annual Report.
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.kirklandwa.gov/depart/Public_Works/Utilities/Storm___Surface_Water/About_the_Stormwater_Utility.htm">http://www.kirklandwa.gov/depart/Public_Works/Utilities/Storm___Surface_Water/About_the_Stormwater_Utility.htm</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	Kirkland has implemented a field screening methodology appropriate to our MS4 using a combination of both the IDDE manual referenced in the permit and the IDDE Field Screening & Source Training Manual prepared by Herrera for WA State Dept of Ecology.
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)	40
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)	425-587-3900
15b	S5.C.3.c.ii	Number of hotline calls received.	187
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)	City staff conducts training with Police, Fire, Code Enforcement, Construction Inspectors, and Utility Staff. City staff implemented a local source control program to educate businesses, and provides information to the public through City newsletters.
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)	44
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	Line 20 Kirkland 2015 IDDE Sum_20_03072016014 528
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.	355
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.	355
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.	737
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)	0
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)	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)	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)	569
46c	S5.C.5.b	Number of facilities inspected during the reporting period. (S5.C.5.b)	552
46d	S5.C.5.b	Number of facilities for which maintenance was performed during the reporting period. (S5.C.5.b)	552
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
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.	15888
49c	S5.C.5.d	Number of catch basins inspected during the reporting period.	2632
49d	S5.C.5.d	Number of catch basins cleaned during the reporting period.	1316
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.	Line item 56 SW Monitoring and_56_03072016030352
57	S8.B.1	Participated in cost-sharing for the regional stormwater monitoring program (RSMP) for status and trends monitoring. (S8.B.1)	Yes
57B	S8.B.2	If choosing to conduct individual status and trends monitoring, attach an annual stormwater monitoring report in accordance with S8.B.2. (Required to submit reports beginning March 31, 2016)	
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
58b	S8.C.2	If choosing to conduct discharge monitoring, attach an annual stormwater monitoring report in accordance with S8.C.2 and Appendix 9. (Required to submit reports beginning March 31, 2016)	
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.	12
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)	Yes
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.*

Marilynne Beard

3/21/2016 1:01:16 PM

Signature

Date



# 2016

## NPDES COMPLIANCE STORMWATER MANAGEMENT PROGRAM PLAN

Prepared March 2016



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Public Comment.

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# CITY OF KIRKLAND

## 2016 STORMWATER MANAGEMENT PROGRAM PLAN

Prepared March 2016

### 1. Introduction

#### 1.1 The Purpose of the Stormwater Management Program Document

This document constitutes the City of Kirkland 2016 Stormwater Management Program Plan (SWMP) as required under condition S5 of the Western Washington Phase II Municipal Stormwater Permit (the Permit). The purpose of the document is to detail actions that the City of Kirkland will take between January 1, 2016 and December 31, 2016 to maintain compliance with conditions in the Permit.

#### 1.2 The NPDES Program

The National Pollutant Discharge Elimination System (NPDES) is a program created under the Federal Clean Water Act with the intent of protecting and restoring water quality in lakes and streams so they can support “beneficial uses” such as fishing and swimming. Governmental and private entities wishing to discharge water or wastewater to surface waters regulated by the Federal Government (Waters of the US) must obtain permits and comply with certain conditions or face fines and other penalties. NPDES permits have been written for discharges from construction sites, concentrated animal feeding operations, industrial activities, publicly-owned wastewater treatment plants, and municipal stormwater systems.

In Washington State, the US Environmental Protection Agency has delegated the authority over NPDES permits to the Washington State Department of Ecology (Ecology). Ecology has issued several general permits for discharges from stormwater systems that apply to municipalities with different sizes of populations and are located in different regions of the State (Eastern and Western Washington). Phase I refers to municipalities of >100,000, and Phase II to those with a population of less than 100,000 according to the 1990 census.

#### 1.3 The Western Washington Phase II Municipal Stormwater Permit

Kirkland has a population of less than 100,000 and is in Western Washington. Thus our stormwater program must comply with conditions in the Western Washington Phase II Municipal Stormwater Permit. The Permit allows municipalities to discharge stormwater from municipal systems into “waters of the state” such as rivers, lakes and streams, as long as we implement programs to reduce pollutants in stormwater to the “maximum extent possible” by conducting programs and activities in the following program areas:

- » Public Education and Outreach
- » Public Involvement and Participation
- » Illicit Discharge Detection and Elimination
- » Controlling Runoff from New Development, Redevelopment, and Construction Sites
- » Pollution Prevention and Municipal Operations and Maintenance
- » Monitoring



### 1.3 The Western Washington Phase II Municipal Stormwater Permit (Continued)

The SWMP Plan must be prepared and submitted annually and must contain the planned actions and activities that will be used in the current year to gain compliance with the permit. In addition, the Permit requires the City to submit an Annual Compliance Report by March 31st of each year that details actions taken in the previous year to achieve compliance. The full text of the Permit can be viewed upon request by contacting the City of Kirkland at (425) 587-3850 and is available at:

<http://www.ecy.wa.gov/programs/wq/stormwater/municipal/phasellww/wwphiipermit.html>

### 1.4 Permit History and Implementation

The original Permit was valid for 5 years, from February 17, 2007 to February 15, 2012, and allowed for phased implementation of stormwater management programs and actions. In 2012, Ecology extended this Permit to July 31, 2013 with no new permit conditions.

The current Permit was issued on August 1, 2012, and is effective between August 1, 2013 and July 31, 2018. Like the previous Permit, it allows for phased implementation of requirements over the five year permit cycle. Table 1 provides an overall schedule timeline including implementation due dates. Kirkland continues to be in position to meet deadlines and maintain Permit compliance.

### 1.5 Current and Planned Activities

The SWMP Plan is a set of actions and activities comprising the components listed in the Permit and actions necessary for permit compliance. The Plan is organized to the program components noted in Condition S5C of the Permit.

The following sections of the SWMP Plan describe requirements in the Permit, followed by the current and planned activities to meet each permit component. The subsection of Permit Condition S5C associated with each section is noted in parentheses in the section on Permit Requirements.

### 1.6 City Coordination and Responsibilities

Compliance with the Permit requires coordination and documentation of activities in several City departments. The Public Works Department Surface Water Utility staff will coordinate City efforts, and will meet with staff from other departments regularly to insure that current and planned activities meet Permit requirements. Activities required for Permit compliance will be carried out by the Public Works, Information Technology, Planning and Community Development, Parks, City Manager's Office (City Attorney), Finance, Fire and Building, and Police departments.

### 1.7 The Surface Water Management Utility – Other Activities

This SWMP Plan details actions and activities that fall under the purview of the Permit. Stormwater management is one part of the City's overall surface water management strategy.

The Surface Water Utility conducts a suite of programs that reduce flooding, protect and improve water quality, and protect and restore aquatic habitat in the City's streams and lakes. Although not directly required, flood reduction and aquatic habitat restoration efforts can often further stormwater management goals.

Kirkland's Surface Water Master Plan was updated in 2014. The Master Plan sets priorities and recommends project programs and rates to support the utility over the next 5-10 years. The update included extensive public involvement in the form of open houses, mailings, and web information.

For details on Surface Water Utility activities not addressed in this SWMP, contact the Public Works Department at (425) 587-3800, or see the City website at: [http://www.kirklandwa.gov/depart/Public\\_Works/Utilities/Storm\\_Surface\\_Water.htm](http://www.kirklandwa.gov/depart/Public_Works/Utilities/Storm_Surface_Water.htm)

## 2. Public Education and Outreach

### 2.1 Permit Requirements

The Permit (Section S5C.1) requires the SWMP Plan to include a stormwater education and outreach program designed to reduce or eliminate behaviors and practices that cause or contribute to adverse stormwater impacts and encourage the public to participate in stewardship activities. The program is designed to:

- » Educate target audiences about the stormwater problem and provide specific actions they can follow to minimize the problem.
- » Build general awareness for the public, including: school age children, businesses, engineers, contractors, developers, land use planners, residents, landscapers, and property owners/managers.
- » Create stewardship opportunities and/or partner with existing organizations to encourage residents to participate in activities such as stream teams, storm drain marking, volunteer monitoring, riparian plantings and education activities.
- » Measure the understanding and adoption of behaviors by the target audience, and use that information to evaluate past programs, and to direct future programs.
- » Track and maintain records of public education and outreach activities, and summarize these activities in the Annual Compliance Report.

### 2.2 Current City Activities

Kirkland has activities and programs meeting the Permit requirements. Kirkland tracks education and outreach efforts, and evaluates costs vs. benefits. Kirkland will continue to refine the public education and outreach program, and will summarize the annual activities in the Annual Compliance Report.

Kirkland has also been an active participant in the STORM (Stormwater Outreach for Regional Municipalities) Group to help identify appropriate program evaluation techniques.

Table 2.1 lists programs, target audiences, and behaviors promoted by the Kirkland education and outreach program.

**Table 2.1 Current Education and Outreach Programs and Activities**

Program	Target Audience	Goal and/or Behaviors Promoted
Newsletters, newspaper inserts, Twitter, Facebook, blog	General public, homeowners, residents	Increase awareness of stormwater impacts on surface waters.
School workshops program (K-12)	General public, including school age children	Increase awareness of stormwater impacts on surface waters.
Booths and displays at various special and on-going events	General public, including school age children	Increase awareness of stormwater impacts on surface waters, and opportunities to become involved in stewardship activities.
Storm Drain Marking	General public	Increase awareness of stormwater impacts on surface waters, and prevention of illicit discharges.
STORM (Stormwater Outreach for Regional Municipalities)	General public, businesses	Increase awareness of stormwater impacts on surface waters, and opportunities to become involved in stewardship activities, use and storage of hazardous chemicals, and pet waste management.
Residential Stormwater Audit Program	Homeowners	Increase awareness of stormwater impacts on surface waters, management of stormwater flow and volume.
Car Wash Monitoring and Outreach	Businesses, general public, including school age children	Prevention of illicit discharges, proper techniques for discharge of washwater to sanitary sewer.

**Table 2.1 Current Education and Outreach Programs and Activities (continued)**

Business license issuance/renewal inserts	Businesses, property managers	Use and storage of chemicals, cleaning supplies, and other hazardous materials, equipment maintenance, and prevention of illicit discharges.
Hazardous Waste Management and Reduction	Businesses	Use and storage of chemicals, cleaning supplies, and other hazardous materials. Reduction in creation of hazardous waste, proper disposal, and prevention of illicit discharges.
Local Source Control Technical Assistance	Businesses	Work with businesses to develop practical methods for proper use and storage of automotive chemicals, cleaning supplies, other hazardous materials, equipment maintenance, and prevention of illicit discharges.
Volunteer Stewardship Projects	General public	Increase awareness of stormwater impacts on surface waters, the importance of stream buffers, opportunities to become involved in stewardship activities.
Developers Forum	Engineers, contractors, developers, review staff, land use planners	Increase awareness of technical standards for stormwater site and erosion control plans, LID principles and techniques, and stormwater treatment and flow control BMPs/facilities.
Natural Yard Care Neighbors Program	Homeowners, residents	Yard care techniques protective of water quality; proper use and storage of pesticides, fertilizers and other household chemicals.
Cascade Gardener Classes	General public	Yard care techniques protective of water quality; proper use and storage of pesticides, fertilizers and other household chemicals.
Pet Waste Outreach	General public, dog owners and dog walkers	Proper management and disposal of pet waste.
Neighborhood Rain Garden Program	Residents, developers	Increase awareness of stormwater impacts on surface waters; provide education on LID principles and LID BMPs.
Private Drainage System Inspections and Technical Assistance Program	Businesses, property managers	Increase awareness of stormwater impacts on surface waters, proper stormwater facility maintenance, dumpster and trash compactor maintenance, and prevention of illicit discharges.
Adopt a Storm Drain Program	General public	Increase awareness of stormwater impacts from impervious surfaces.
Green Building Program	Engineers, contractors, developers, review staff, land use planners	Increase awareness of technical standards for stormwater site and erosion control plans, LID principles and techniques, and stormwater treatment and flow control BMPs/facilities.
Puget Sound Starts Here	General public	Increase awareness of stormwater impacts from impervious surfaces, and impacts of illicit discharges and how to report them.
Pollution Prevention for Landscapers	Landscapers	Yard care techniques protective of water quality; proper use and storage of pesticides, fertilizers and other household chemicals, pet waste management and disposal.

## 2.3 Planned City Activities

Kirkland has a Public Education and Outreach program, but will need to update current efforts in order to maintain compliance as the new requirements are phased in over the 5-year Permit term (2013-2018).

Table 2.2 is the work plan for the 2016 SWMP Public Education and Outreach activities. These tasks were developed through meetings with staff from affected City departments.

**Table 2.2 Education and Outreach Work Plan for 2016**

Item ID	Item Title	Additional Departments Involved	Schedule Notes
EDUC-1	Continue to refine and implement Public E&O activities and programs as the new Permit's requirements are implemented.	Information Technology, Parks, City Managers Office	On-going
EDUC-2	Create stewardship opportunities and/or partner with existing organizations to encourage residents to participate in activities such as stream teams, storm drain marking, volunteer monitoring, riparian plantings and education activities.	Information Technology, Parks, City Managers Office	On-going
EDUC-3	Measure and evaluate the understanding and adoption of targeted behaviors for at least one targeted audience in one subject area. (Natural Yard Care Neighbors Program).	None	Completed by February 2, 2016.
EDUC-4	Use the resulting measured information to make changes and improve outreach program (Natural Yard Care Neighbors Program).	None	On-going. To be completed by August 1, 2017.
EDUC-5	Summarize annual activities for "Public Education and Outreach" portion of Annual Compliance Report.	None	Begin in 2016. To be completed by March 31, 2017.

## 3. Public Involvement and Participation

### 3.1 Permit Requirements

The Permit (Section S5C.2) requires the City to provide ongoing opportunities for public involvement and participation through advisory councils, public hearings, watershed committees, participation in developing rate-structures or other similar activities. The SWMP Plan includes:

- » An opportunity for the public to participate in the decision-making processes involving the development, implementation and update of the SWMP.
- » Make the SWMP Plan and Annual Compliance Report available to the public upon request, and post on the City's website.
- » Track and maintain activities for public involvement and participation, and summarize these activities for the Annual Compliance Report.

### 3.2 Current City Activities

Kirkland currently implements activities and programs meeting the Permit requirements. The City will continue to implement these programs and activities as new and/or increased requirements in the 2013-2018 Permit are implemented. Current compliance activities associated with the above Permit requirements include:

- » Posting of the draft NPDES SWMP Plan on the City's website along with an invitation to the public to submit comments on the document.
- » Kirkland makes the final NPDES SWMP Plan and Annual Compliance Reports available to the public on the City's website.

### 3.3 Planned City Activities

Activities planned for continued compliance are shown in the Table 3.1.

**Table 3.1 Public Involvement Work Plan for 2016**

Item ID	Item Title	Additional Departments Involved	Schedule Notes
PUB-1	Conduct public involvement process for 2016 Stormwater Management Program Plan, including posting of Draft Plan on City website.	City Manager's Office	To be completed by March 15, 2016.
PUB-2	Post Final 2016 Stormwater Management Plan on City website.	Information Technology	To be completed by May 31, 2016.
PUB-3	Refine public involvement process for overall stormwater management program.	City Manager's Office	On-going
PUB-4	Summarize annual activities for "Public Education and Outreach" portion of Annual Compliance Report.	None	Begin in 2016. To be completed by March 31, 2017.

## 4. Illicit Discharge Detection and Elimination

### 4.1 Permit Requirements

The Permit (Section S5C.3) requires the City to have an ongoing program designed to prevent, detect, characterize, trace and eliminate illicit connections and illicit discharges into the municipal stormwater system. The program includes:

- » Continue mapping the municipal stormwater system, including attributes of stormwater system outfalls, discharge points, receiving waters (other than groundwater), stormwater treatment and flow control BMPs/facilities owned and operated by the City, and tributary conveyances to all known outfalls and discharge points (24 inch diameter or larger).
- » Implement an ordinance to effectively prohibit non-stormwater discharges and dumping into the stormwater system.
- » Implement a compliance strategy that includes informal compliance actions such as public education and technical assistance as well as the enforcement provisions of the ordinance.
- » Implement a field-screening methodology appropriate to the characteristics of the stormwater system and water quality concerns.
- » Publicly list and publicize a hotline or other local telephone number for public reporting of spills and other illicit discharges. Track reports of discharges and actions taken to address the reported problem.
- » Provide training for municipal field staff on the identification, reporting, and response to illicit discharges into the stormwater system. Provide follow up training as needed to provide changes in procedures, techniques, requirements, or staffing.
- » Implement program to address illicit discharges and connections, including characterization, source tracing, response and elimination.
- » Adopt and implement procedures for program evaluation and assessment.
- » Inform public employees, businesses, and the general public of hazards associated with illicit discharges and improper disposal of waste.
- » Track and maintain records of IDDE program activities, and summarize these activities in the Annual Compliance Report.

### 4.2 Current City Activities

Kirkland currently implements activities and programs meeting the Permit requirements. The City will continue to implement these programs and activities as new and/or increased requirements in the 2013-2018 Permit are implemented. Current compliance activities associated with the above Permit requirements include:

- » Continue Kirkland's ongoing program designed to prevent, detect, characterize, trace and eliminate illicit connections and illicit discharges into the municipal stormwater system.
- » Kirkland has maps and an associated GIS database for the municipal and private stormwater systems. Standard procedures are in place for maintaining the GIS database to document new connections, changes/alterations to the existing system, and changes based on field verification. Drainage areas and land use have been used to identify outfalls 24" or greater in size. Maps are available to Ecology and to co-permittees and secondary permittees upon request in electronic format.
- » Kirkland Municipal Code Chapter 15.52 prohibits illicit discharges to the stormwater system.
- » Kirkland has an on-going informal compliance strategy, and strives to achieve compliance through public education and technical assistance. Kirkland Municipal Code Chapter 1.12 includes a voluntary correction agreement to achieve compliance without the issuance of fines and other penalties. When education, technical assistance, and voluntary correction agreements do not achieve compliance, Kirkland Municipal Code Chapters 1.12 and 15.52 provides for progressive enforcement actions and penalties.
- » A phone number 425-587-3900 is publicly listed for reporting of spills and other illicit discharges and is publicized as a reporting hotline. Records are kept of calls received, and actions taken as a result of these calls.
- » Kirkland has a training program for city staff on the identification, reporting, and response to illicit discharges into the stormwater system. The program includes periodic updates to account for changes to procedures, techniques, requirements, and new staff.

- » Kirkland has programs to educate public employees, businesses, and the general public about illicit discharges and the hazards associated with improper disposal of waste through King County Local Hazardous Waste Management Program, source control visits to businesses by City staff, and general awareness campaigns. Public feedback is tracked and compiled each year.

### 4.3 Planned City Activities

Activities planned for continued Permit compliance are shown in Table 4.1.

**Table 4.1 Illicit Discharge Detection and Elimination Work Plan for 2016**

Item ID	Item	Additional Departments Involved	Schedule Notes
IDDE-1	Update maps and GIS database for the municipal stormwater system.	Information Technology	On-going
IDDE-2	Continue to implement and refine the IDDE field screening methodology for identification of potential sources of non-stormwater discharges and illicit connections. Field screen at least 40% of the municipal stormwater system, then 12% each year thereafter.	None	On-going. Minimum 40% field screen was completed by December 31, 2015. Minimum 12% field screen each year thereafter.
IDDE-3	Continue training of City staff on the identification, reporting, and response to illicit discharges into the stormwater system.	Police, Parks, Fire & Building, Planning and Community Development	On-going
IDDE-4	Continue to implement and refine program to address illicit discharges and connections, including characterization, source tracing, response and elimination.	None	On-going
IDDE-5	Continue program to educate businesses and the general public about the hazards associated with improper disposal of waste.	None	On-going
IDDE-6	Summarize annual activities for “Illicit Discharge Detection and Elimination” portion of Annual Compliance Report.	None	Begin in 2016. To be completed by March 31, 2017.

## 5. Controlling Runoff from New Development, Redevelopment and Construction Sites

### 5.1 Permit Requirements

The Permit (Section 55C.4) requires Kirkland implement and enforce a program to reduce pollutants in stormwater runoff from new development, redevelopment, and construction site activities. The program applies to private and public development, including roads. This program includes the following activities:

- » Implement and enforce an ordinance that addresses runoff from new development, redevelopment and construction sites.
- » Adopt minimum stormwater design standards that are equivalent to the minimum technical requirements in Appendix 1 of the Permit.
- » Implement a program (permitting process) to review plans, inspect sites during construction, and to take enforcement action against those failing to follow approved guidelines or to provide facilities as required during plan review.
- » Adopt an ordinance, maintenance standards, inspection procedures, and enforcement provisions to verify long-term operation and maintenance of permanent stormwater control facilities constructed after the effective date of the Permit.
- » Provide copies of the “Notice of Intent for Construction Activity” and “Notice of Intent for Industrial Activity” to representative of proposed new development and redevelopment.
- » Review, revise, and implement development codes and standards to incorporate and require Low Impact Development (LID) construction techniques, no later than December 31, 2016.
- » Provide training for staff on new/revise regulations, standards, processes and procedures.
- » Provide training and outreach to the public including engineers and developers on the new codes, processes and procedures.
- » Track and maintain records of activities associated with the regulation of new development, redevelopment, and construction sites, and summarize these activities in the Annual Compliance Report.

### 5.2 Current City Activities

Kirkland currently implements activities and programs meeting the Permit requirements. The City will continue to implement these programs and activities as new and/or increased requirements in the 2013-2018 Permit are implemented. Current compliance activities associated with the above Permit requirements include:

- » Kirkland Municipal Code Chapter 15.52 addresses runoff from new development, redevelopment and construction sites.
- » Kirkland adopted the 2009 King County Surface Water Design Manual effective January 1, 2010. These stormwater design standards are equivalent to the minimum technical requirements in Appendix 1 of the previous Permit.
- » Kirkland has a program (permitting process) to review plans, inspect sites during construction, and to take enforcement action against those failing to follow approved guidelines or to provide facilities as required during plan review.
- » Kirkland maintains records of inspections, maintenance standards, and enforcement actions by staff to verify long-term operation and maintenance of permanent stormwater control facilities.
- » Kirkland provides copies of the “Notice of Intent for Construction Activity” and “Notice of Intent for Industrial Activity” to the applicants as part of the development permit process.
- » Kirkland currently requires stormwater Low Impact Development (LID) construction techniques for a portion of runoff

on development projects as feasible, as required under the 2009 King County Surface Water Design Manual.

- » Staff continues to increase their knowledge by remaining current with new/revised stormwater regulations, along with attending trainings on erosion control, LID techniques, stormwater design models, standards, and practices.
- » Through the Developer's Forum and associated listserv, Kirkland provides the development community and the public with information and updates on proposed changes to stormwater design requirements, codes, processes and procedures.

### 5.3 Planned City Activities

Activities planned for continued Permit compliance are shown in Table 5.1.

**Table 5.1 Controlling Runoff from New Development, Redevelopment and Construction Sites Work Plan for 2016**

Item ID	Item Title	Additional Departments Involved	Schedule Notes
CTRL-1	Continue to provide copies of the Notice of Intent for Construction Activity and Notice of Intent for Industrial Activity to the applicants for development permits.	None	On-going
CTRL-2	Adopt the <i>2012 Ecology Stormwater Management Manual for Western WA</i> (per Appendix 1 of the current Permit) or an equivalent manual.	Planning and Community Development	On-going. To be completed by December 31, 2016.
CTRL-3	Implement any desired code revisions using recommendations from <i>Integrating LID into Local Codes</i> to reduce impervious surface, protect vegetation, and minimize stormwater.	Planning and Community Development, Fire & Building	On-going. To be completed by December 31, 2016.
CTRL-4	Continue to provide training for staff to increase their knowledge in stormwater regulation, design, and construction.	None	On-going
CTRL-5	Implement and refine program to provide training and outreach to the public (including engineers and developers) on the new codes, processes and procedures.	Information Technology	On-going. To be completed by December 31, 2016.
CTRL-6	Continue to refine and implement program for Controlling Runoff from New Development, Redevelopment and Construction Sites.	None	On-going
CTRL-7	Summarize annual activities for "Controlling Runoff from New Development, Redevelopment and Construction Sites" portion of Annual Compliance Report.	None	Begin in 2016. To be completed by March 31, 2017.

## 6. Municipal Operations and Maintenance

### 6.1 Permit Requirements

The Permit (Section S5C.5) requires the City to implement an operations and maintenance (O&M) program that includes a training component and has the ultimate goal of preventing or reducing pollutant runoff from municipal operations. The program is required to:

- » Implement maintenance standards that are as protective as those noted in the *2012 Stormwater Management Manual for Western Washington* no later than December 31, 2016.
- » Perform inspections of municipally owned and operated water quality treatment and flow control facilities and catch-basins at the frequency required in the Permit.
- » Implement practices, policies and procedures to reduce stormwater impacts associated with runoff from all lands owned or maintained by Kirkland and road maintenance activities.
- » Implement training program for staff addressing the importance of protecting water quality during maintenance operations.
- » Develop and implement a Stormwater Pollution Prevention Plan (SWPPP) for all heavy equipment maintenance or storage yards, and material storage yards, and material storage facilities owned or operated by the City.
- » Track and maintain records of inspections, maintenance and repair activities, and summarize these activities in the Annual Compliance Report.

### 6.2 Current City Activities

Kirkland currently implements activities and programs meeting the Permit requirements. The City will continue to implement these programs and activities as new and/or increased requirements in the 2013-2018 Permit are implemented. Current compliance activities associated with the above Permit requirements include:

- » The City Operations and Maintenance (O&M) Program takes steps to minimize pollutants in runoff from City activities as noted in the ESA Regional Road Maintenance Program Guidelines, which are being used although not formally adopted.
- » Municipally owned and operated water quality treatment and flow control facilities and catch-basins are inspected, cleaned and repaired at the frequency required in the Permit.
- » The City O&M Program implements practices, policies and procedures to reduce stormwater impacts associated with runoff from land owned or maintained by Kirkland and road maintenance activities. In addition, both Parks and Public Works Departments use Integrated Pest Management and other techniques to minimize pollutant discharge from landscaped areas on City property.
- » O&M staff receives training on the importance of protecting water quality during maintenance operations.

- » A SWPPP for City Maintenance Facilities that qualify as heavy equipment/material maintenance or storage yards is implemented and updated as needed.

### 6.3 Planned City Activities

Activities planned for continued Permit compliance are shown in Table 6.1.

**Table 6.1 Municipal Operations and Maintenance Work Plan for 2016**

Item ID	Item Title	Additional Departments Involved	Schedule Notes
MUNI-1	Adopt an O&M manual with standards equivalent to the 2012 Stormwater Management Manual for Western WA.	None	On-going. To be completed by December 31, 2016.
MUNI-2	Continue to implement and refine the O&M Program to meet permit requirements. Annually inspect all municipal stormwater treatment and flow control facilities/BMPs. Inspect all municipal stormwater catch basins and inlets.	Information Technology	On-going. New requirements to be completed by August 1, 2017.
MUNI-3	Continue to provide training to O&M staff regarding pollutant reduction from runoff during maintenance activities.	None	On-going
MUNI-4	Continue to implement and update the SWPPP for qualifying City Maintenance yards/facilities.	None	On-going
MUNI-5	Continue to refine and implement Municipal O&M activities and programs.	Facilities, Parks	On-going
MUNI-6	Summarize annual activities for "Municipal Operations and Maintenance" portion of Annual report.	None	Begin in 2016. To be completed by March 31, 2017.

# 7. Monitoring

## 7.1 Permit Requirements

The Permit (Section S8) requires the City to:

- » Conduct sampling or testing required for characterizing illicit discharges pursuant to the Program’s IDDE conditions.
- » Include a description of any stormwater monitoring or stormwater-related studies in the Annual Compliance Report.
- » Participate in the Regional Stormwater Monitoring Program (RSMP) for Status and Trends or implement an individual monitoring program.
- » Participate in the RSMP for Effectiveness Studies or implement an individual monitoring program.
- » Participate in the RSMP for Source Identification and Diagnostic.
- » Track and maintain records of monitoring activities, and summarize these activities in the Annual Compliance Report.

## 7.2 Current City Activities

Kirkland currently implements activities and programs meeting the Permit requirements. The City will continue to implement these programs and activities as new and/or increased requirements in the 2013-2018 Permit are implemented. Current compliance activities associated with the above Permit requirements include:

- » Kirkland participated in a variety of regional and state monitoring forums to develop feasible and effective monitoring requirements for the new Permit. As a result of this work, Ecology included a regional stormwater monitoring option in the new Permit.
- » Kirkland conducts sampling or testing required for characterizing illicit discharges pursuant to the Permit’s IDDE program conditions.
- » Kirkland reports potential water quality violations to Ecology within 30 days of becoming aware of the potential violations per the Permit’s Compliance with Standards condition S4F.

## 7.3 Planned City Activities

Activities planned for continued Permit compliance are shown in Table 7.1.

**Table 7.1 Monitoring Work Plan for 2016**

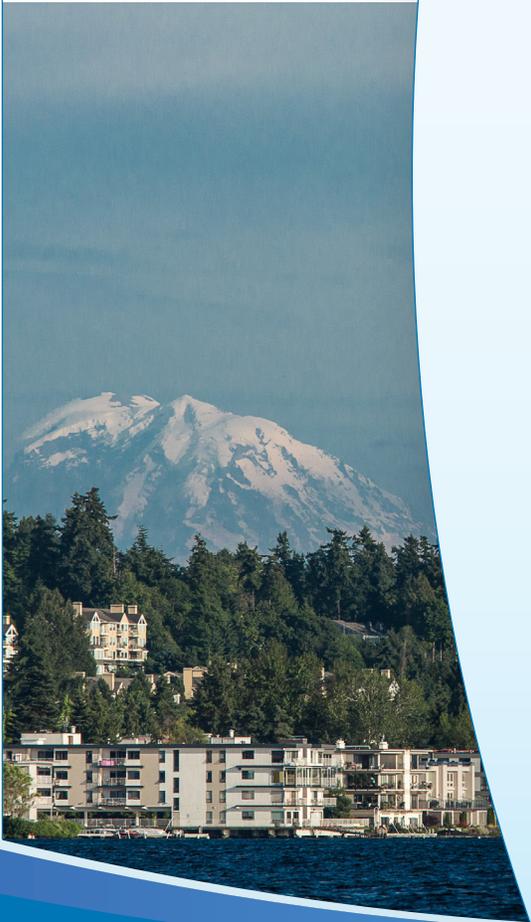
Item ID	Item Title	Additional Departments Involved	Schedule Notes
MNTR-1	Participate in the Regional Stormwater Monitoring Programs (RSMP) for Status and Trends, Effectiveness Studies, and Source Identification and Diagnostic.	None	On-going
MNTR-2	Submit payments to Ecology to fund the RSMP. Payments will occur annually for four years of the Permit cycle (2014-2017).	None	Third payment due August 15, 2016
MNTR-3	Participate in regional and state monitoring forums and future legislative actions as needed to ensure scientifically sound analysis and appropriate use of monitoring data in stormwater management and future Permits.	None	On-going
MNTR-4	Continue to implement and refine additional monitoring activities and programs.	None	On-going
MNTR-5	Summarize annual activities for “Monitoring” portion of Annual Compliance Report.	None	Begin in 2016. To be completed by March 31, 2017

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# Appendix A

## Public Comment:

This document was open for public comment between March 3 and 14, 2016. No comments were received during this time period.





NPDES Phase II	Permit Citation S5.C.1	a.i.a	a.i.b	a.ii.a	a.ii.b	a.i.a	a.i.b	a.ii.a	a.ii.b	b	c																								
		Audience				Topics																													
		General Public (including school age children)	Businesses, including home-based and mobile businesses	Engineers, contractors, developers and land use planners	General Public (which may include school age children)	Businesses, including home-based and mobile businesses	Residents	Landscapers	Property Managers/Owners	General Impacts of stormwater on surface waters	Impacts from impervious surfaces	Impacts of illicit discharges and how to report them	Low Impact Development (LID) principles and LID BMPs	Opportunities to become involved in stewardship activities	Technical standards for stormwater site and erosion control plans	LID principles and LID BMPs	Stormwater treatment and flow control BMPs/facilities	Use and storage of automotive chemicals, hazardous cleaning supplies, carwash soaps and other hazardous materials	Equipment maintenance	Prevention of illicit discharges	Yard care techniques protective of water quality	Use and storage of pesticides, fertilizers, and other household	Carpet cleaning, auto repair and maintenance	Vehicle, equipment, and home/building maintenance	Pet waste management and disposal	LID principles and LID BMPs	Stormwater facility maintenance	Dumpster and trash compactor maintenance	Create stewardship opportunities and/or partner with existing organizations to encourage residents to participate in activities such as stream teams, storm drain marking, volunteer monitoring, riparian plantings and education activities	Measure behavior change for 1 target audience in 1 subject area.	Use resulting measurements by 2/2/16 to direct education and outreach resources effectively, as well as evaluate changes in adoption of target behavior.				
Program Name	Program Description					Awareness			Behavior Change						Measure Behavior Change																				
Neighborhood Rain Garden Program	Kirkland program to provide education, design, and installation of 6-8 rain gardens on private residential properties in different neighborhoods each year. Kirkland funds the design, materials, and initial construction. Residents install plants as a group activity, and agree to maintain the rain gardens.	X			X					X	X	X	X	X																		X			
Residential Stormwater Audit	Kirkland program to engage single family residential homeowners in educational stormwater audits to identify opportunities to increase onsite infiltration and filtration, and provide residents with financial incentives to implement recommended stormwater BMPs.						X			X	X		X															X							
Developers Forum	Kirkland Developers forum is used to increase awareness of technical standards for stormwater site and erosion control plans, LID principles and techniques, stormwater treatment and flow control BMPs/facilities, and stormwater training opportunities.							X							X	X	X																		
Green Building Program	Kirkland Green Building Team (City staff from Planning, Public Works, and Fire/Building) encourages green building techniques by providing free initial consultations, expedited review, and technical assistance from staff for development using green building certification programs.	X								X	X	X	X		X	X	X																		
STORM (Stormwater Outreach for Regional Municipalities)	Kirkland is an active participant of the STORM core team. The team assists members in planning, grant applications, outreach campaigns, development of BMPs and capacity building.	X	X							X				X				X	X	X							X					X			



# ATTACHMENT FOR LINE ITEM 7B

## City of Kirkland – Natural Yard Care Program Evaluation & Planned Modification

### Introduction

The City of Kirkland has implemented the Natural Yard Care Neighbors workshop series since 2003 as a means to reach out to Kirkland residents regarding yard care practices that can potentially impact surface water quality.

The City of Kirkland uses this program to comply with *Western Washington Phase II Municipal Stormwater Permit* (NPDES permit) outreach requirement S5.C.1.a.ii. This document details the City of Kirkland's assessment of understanding and adoption of a targeted behavior by a targeted group as mandated by NPDES permit provision S5.C.1.c.

### Target Audience & Behaviors

*Targeted audience:* Kirkland residents who own their own homes and primarily maintain their landscape themselves.

*Targeted behaviors:* A suite of yard care behaviors is targeted through this program:

- Use compost and mulch instead of chemical fertilizer
- Practice natural lawn care
- Choose plants that are site-appropriate
- Use least-toxic pest control methods
- Prevent overwatering

### Program Activities

- Participant recruitment via direct mail, newsletter articles and social media. In 2015, new homeowners were targeted via direct mail. In past years, homeowners in a particular neighborhood were targeted (with target neighborhood changing year to year).
- Pre-workshop questionnaires regarding yard care behaviors. The questions were designed to determine how respondents were currently using chemical fertilizers and pesticides in their yards, how often these chemicals were used, and other variables.
- Series of three workshops. Two gardening topics were presented per workshop. Workshop topics included the following:
  - Garden Design – developing a basic site plan for yards
  - Growing Healthy Soil – assessing soil health and building healthy soil with compost and mulch
  - Right Plant, Right Place – choosing the right plant for the right location in the yard
  - Natural Pest Control – best practices of integrated pest management, reducing chemical use
  - Smart Watering – more efficient watering practices, including drip irrigation and soaker hoses
  - Natural Lawn Care – more environmentally friendly lawn care practices
- Post-workshop questionnaires. This included the same questions as in the pre-workshop questionnaire.

## Program Evaluation – Measurement of Understanding & Behavior Change

To measure the impact of workshop attendance on certain yard care behaviors, one questionnaire was provided to a single person from each household at the first workshop that person attended. Each of these individuals was asked to complete and return the questionnaire before the workshop actually began. Considerable effort was made to collect a completed questionnaire from each attending household.

Following the workshops, an email was sent to workshop participants asking them to complete an online questionnaire. This Post-workshop questionnaire asked respondents the same set of yard care behavior-related questions as was included in the Pre-workshop questionnaire.

### RESULTS

#### Lawn care-

Following the workshop, there was a decrease in the number of participants using fertilizer on their lawn and there was also a slight increase in participants using compost on their lawn. These changes may be related and also indicate that participants understood the value and benefits of compost.

Spring and fall are the times workshop speakers recommend lawn fertilizer be applied. Of those participants who used fertilizer on their lawn, there was an increase in the percentage of participants applying fertilizer across all seasons. These results may be due to an increased awareness of fertilizer by participants or to sampling error.

Over 2/3 of participants chose to purchase slow release fertilizers - both organic and synthetic – in the Post-questionnaire. There was little change in the use of weed n' feed, indicating that the convenience and prevalence of this product might have led to the resistance to the workshop messages regarding the drawbacks of this product.

Of those participants who used fertilizer on their lawns, the majority continued to use small quantities (1-5 pounds).

Lawn care is a complex topic that cannot really be adequately covered in a one-hour lecture. Some of the anomalous/unexpected evaluation results may be due to either misunderstanding or lack of attention by participants, their inability to attend the particular lecture that focused on lawn care, or sampling error.

#### Herbicide use-

The Post-questionnaire showed an overall decrease in use of herbicides by participants. While application of pesticide by participants was quite infrequent to begin with, all pesticide-using respondents indicated they used herbicide less than once a month, following the workshop series.

The overall volume of pesticide used dropped as well, with 80% of workshop participants using a quart or less or pint or less of herbicide.

*See attached appendices for detailed results and survey instrument.*

### DISCUSSION

### Children-

Children under the age of 18 living in the home appeared to have a dramatic effect on herbicide use. Before attending the workshops, 38% of those with children in the home used herbicides in the yard. Following the workshops, this dropped to zero. In contrast, there was no change in herbicide use in households that did not have children under the age of 18.

### Age-

While these workshops are intended to change people's gardening behaviors, they tend to attract an older demographic – a group less likely to make these desired changes. Feedback collected from the Pre- and Post-questionnaires indicates that changing behaviors related to fertilizer, compost and herbicides is more difficult with people age 55 and older. More people in this age category continued to use weed 'n feed and herbicides. Although they did begin using compost, it was in addition to, not instead of, fertilizer.

### **Plans for Program Modification & Improvement**

Based on the evaluation and observations of the City of Kirkland's natural yard care program, we plan to alter our program in the following ways:

Participant recruitment- modify recruitment tactics, as needed, to draw in new participants

- Target workshops to the segment of the population that is most likely to change behavior. This includes new homeowners, and parents of younger children.

Workshop series content-

- Incorporate a hands-on/demonstration component. Still offer a series of three workshops with each workshop being two hours. Modify the format to make the first half of the workshop lecture while the second half will be a demonstration or hands-on activity.
- Offer classes during the day on weekends to facilitate outdoor components.
- Integrate watering into other presentations and reduce the overlap in design and planting.
- Possibly integrate edible gardening into the other presentations. This is a topic that residents often express interest in and can be another vehicle for introducing natural gardening practices.

Incentives- to encourage participation, attendance through the entirety of each workshop, and completion of workshop series

- Continue to provide door prizes that relate to the workshop topics.
- Consider offering coach visits (limit of one per participant) for those who complete workshop series.

Take-home Materials- continue to offer printed materials along with online resources

- Use recently revised Seattle Public Utilities materials.

Accommodations for participants-

- Offer classes on weekends to accommodate parents.
- Consider offering childcare to accommodate parents.

Regional partnership- continue to work as part of a larger group to share resources and share costs for regionally beneficial items (publications, website, surveys, lessons learned, etc.), reduce bulk purchase costs, combine speaker training, and possibly combine evaluation

Communication- continue to offer options to connect participants to experts for questions by phone and email (Garden Hotline). Establish a way to provide continued information and seasonal prompts to reinforce behaviors

Evaluation- continue to evaluate program, paying special attention to what works and what doesn't with the demonstration component and follow-up

- Update the participant surveys.
- Study the long term effects of incentives on behavior change.
- Study the long term effects of changes in behavior.

# NATURAL YARD CARE BEHAVIOR CHANGE MEASUREMENT

CITY OF KIRKLAND  
2015 PROGRAM  
DECEMBER 28, 2015

**ALLISON+**  
**PARTNERS**  
Communications  
Reimagined

CONTENTS

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# City of Kirkland Natural Yard Care 2015

## Pre-Workshop and Post-Workshop Behavior Measurement

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### PROGRAM OVERVIEW AND METHODOLOGY

In 2015 the City of Kirkland hosted three natural yard care workshops at the Kirkland Justice Center. People from a total of 77 homes registered for the workshops. People from 54 unique homes actually attended at least one workshop, with attendance ranging from 39 to 59 individuals at each session. The following topics were presented:

- October 6      Garden Design, presented by Doug Rice  
                    Growing Healthy Soil, presented by Lisa Taylor
  
- October 13     Designing with Plants, presented by Greg Rabourn  
                    Natural Pest Control, presented by Dan Corum
  
- October 20     Designing a Natural Lawn, presented by Ladd Smith  
                    Smart Watering, presented by Greg Butler

<b>ATTENDANCE AT EACH WORKSHOP</b>			
<b>Date</b>	<b># Homes Registered</b>	<b># Homes Attended</b>	<b># Individuals Attended</b>
October 6	77	43	59
October 13	77	31	39
October 20	77	30	39

<b>COMBINED ATTENDANCE FOR ALL WORKSHOPS</b>	
Unique Homes that Registered	77
Unique Homes that Attended at Least One Workshop	54
Percentage of Unique Home Attendance	70
Unique Individuals Who Attended at Least One Workshop	69

To measure the impact of workshop attendance on certain yard care behaviors, people were asked to complete a questionnaire when they registered online. Upon check-in at the workshops, if records indicated an attendee had not completed an online questionnaire, a hard copy was provided to a single person from each household at the first workshop that person attended. These individuals were asked to complete and return the questionnaire before the workshop actually began. Considerable effort was made to collect a completed questionnaire from each attending household, and 54 completed questionnaires were received. This represents 100 percent of the unique homes that attended the workshops. Care was also taken to avoid distributing questionnaires to individuals who had already answered the questions prior to an earlier workshop. The data collected in this way is referred to as “Before” in charts on the following pages.

Two weeks after the workshops were held, an email was sent to workshop participants asking them to complete an online survey. This survey asked respondents the same set of yard care behavior-related questions as was included in the “Before” questionnaire. Eighteen (18) online surveys were completed, representing a 35 percent response rate. The data collected in this way is referred to as “After” in charts on the following pages.

## SURVEY FINDINGS

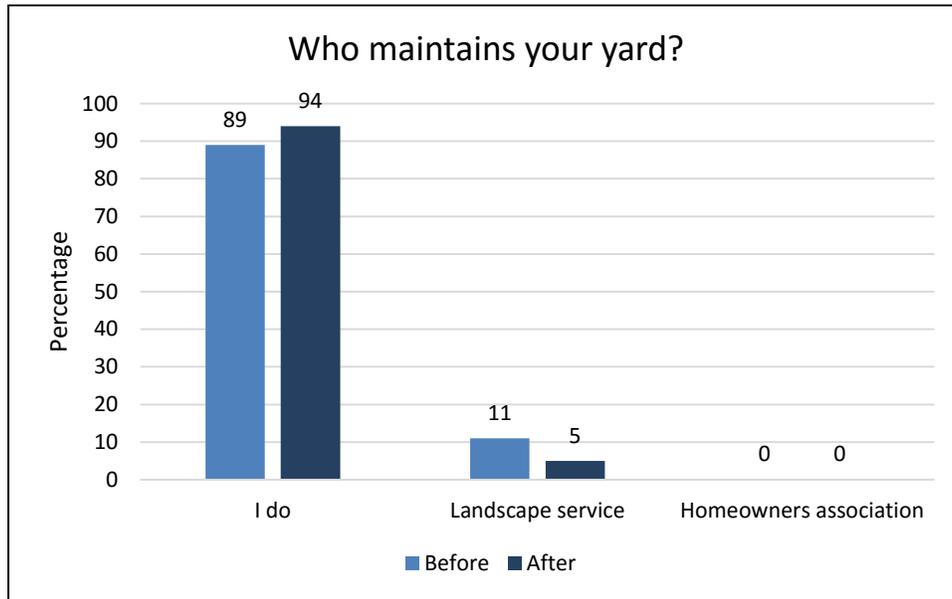
The graphs presented in this report provide a snapshot comparison of the yard care behaviors as reported by 2015 natural yard care workshop attendees before they participated in any workshops (Before) and after they participated in at least one workshop (After).

### Age as a Meaningful Variable

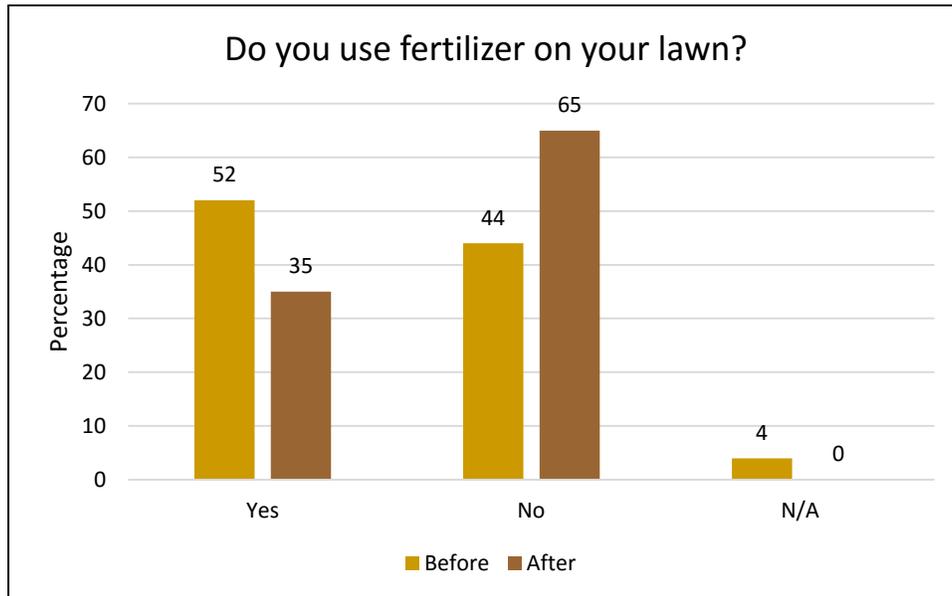
In several instances, survey findings were explored based on the variables of age, pet ownership and the presence of children under age 18 living in the home. The results are presented where these variables were applied. There are other ways to cross-tab the information, of course, but resources were not available to dig into these. Since age emerged as a meaningful variable, it was examined more closely.

Feedback collected during the Before and After surveys indicates that changing behaviors related to fertilizer, compost and herbicides is more difficult with people age 55 and older. More people in this age category continued to use weed 'n feed and herbicides. Although they did begin using compost, it was in addition to, not instead of, fertilizer.

There are a number of reasons why older people may be more resistant to change. There may be emotional connections to those who taught the original behaviors, such as parents or even grandparents. Perhaps doing things differently in one's yard may take some people out of their comfort zones. Simply breaking a long-established habit, especially one that has yielded tangible results, is another potential reason.



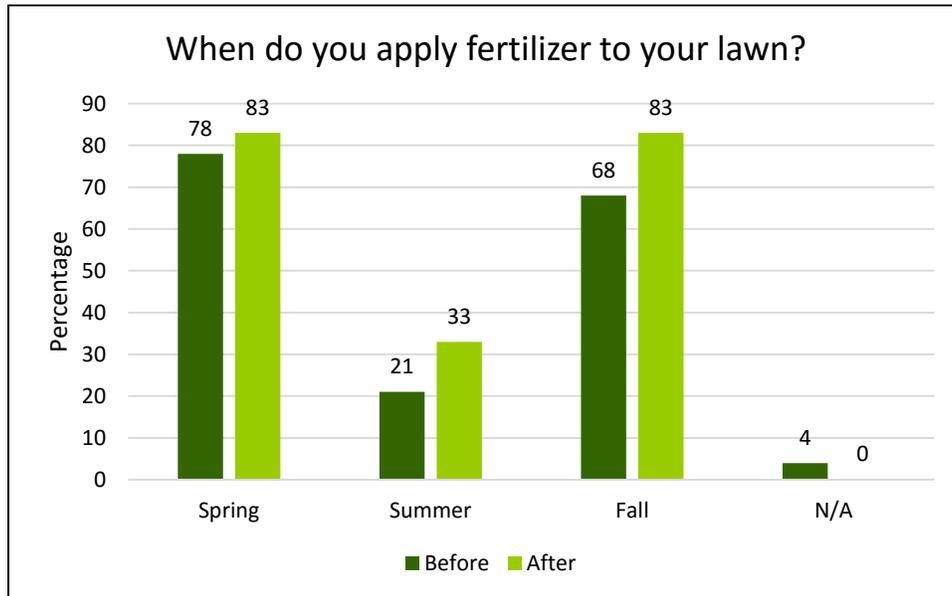
- The majority of workshop participants handled yard care themselves: 89 percent of “Before” participants and 94 percent of those who responded to the “After” survey. The small increase (five points or 6 percent) may indicate that people who did not handle their own yard care chose not to respond to the “After” survey.



- After participating in the workshops, the number of people who said they used fertilizer on their lawn decreased by 17 points, or 33 percent.

### Observations

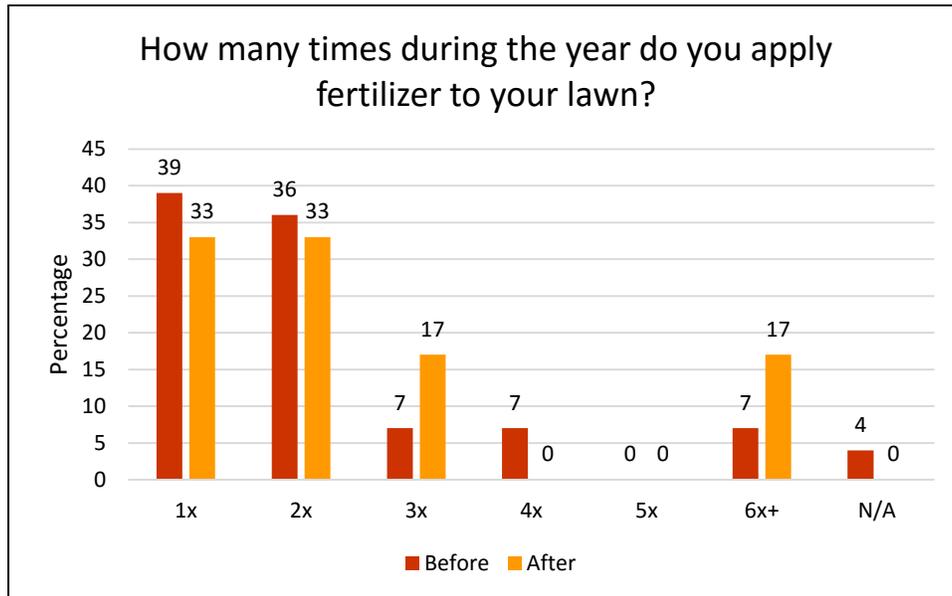
There was a slight uptick in people who said they use compost instead of or along with fertilizer, which may be related to the drop in fertilizer use (see graph on page 13). Compost as a replacement for fertilizer is a key message delivered by workshop speakers.



- After participating in workshops, it appears that the application of fertilizer increased across all seasons.
- Increases in summer (up 57 percent) and fall (up 22 percent) were notable.
- Although more people said they apply fertilizer in spring, the increase of 6 percent is not significant.

### Observations

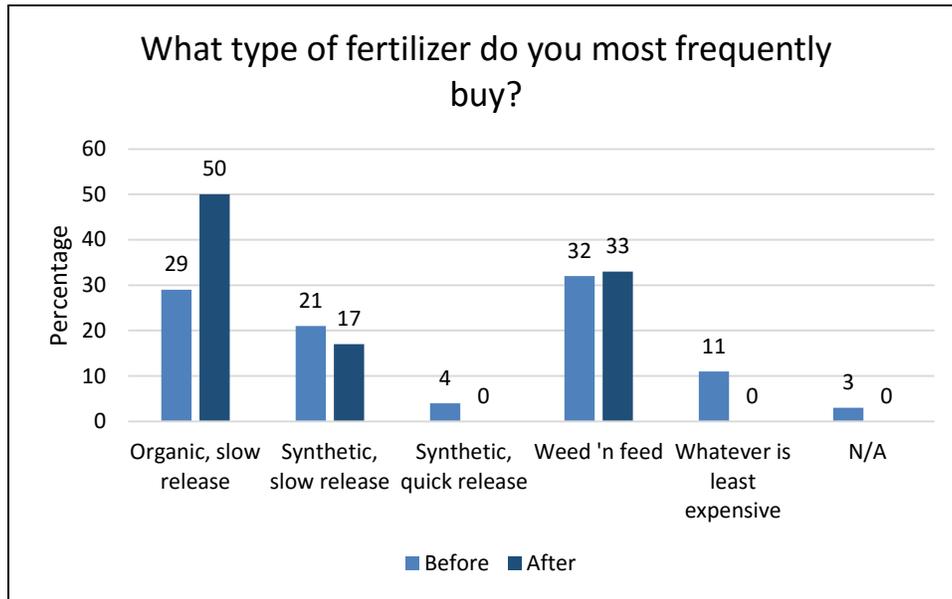
Spring and fall are the times workshop speakers recommend lawn fertilizer be applied. Workshop participants appear to have responded to this recommendation, especially during fall months. The increase in summer application is difficult to explain. It may be due to heightened awareness of fertilizer in general.



- Small to moderate change occurred among those who apply fertilizer once (15 percent decrease) or twice (8 percent decrease) per year.
- Those who apply lawn fertilizer three times a year and six or more times a year both increased by 143 percent.

### Observations

Applying fertilizer once or twice a year, or even three times, is consistent with recommendations made by workshop speakers. Six times a year is not. There are a number of possible explanations, including inattention by participants or the belief that “more is always better.”



- Use of organic, slow release fertilizer increased by 72 percent, while synthetic, slow release dropped by 19 percent.
- Use of weed 'n feed went up by 3 percent.

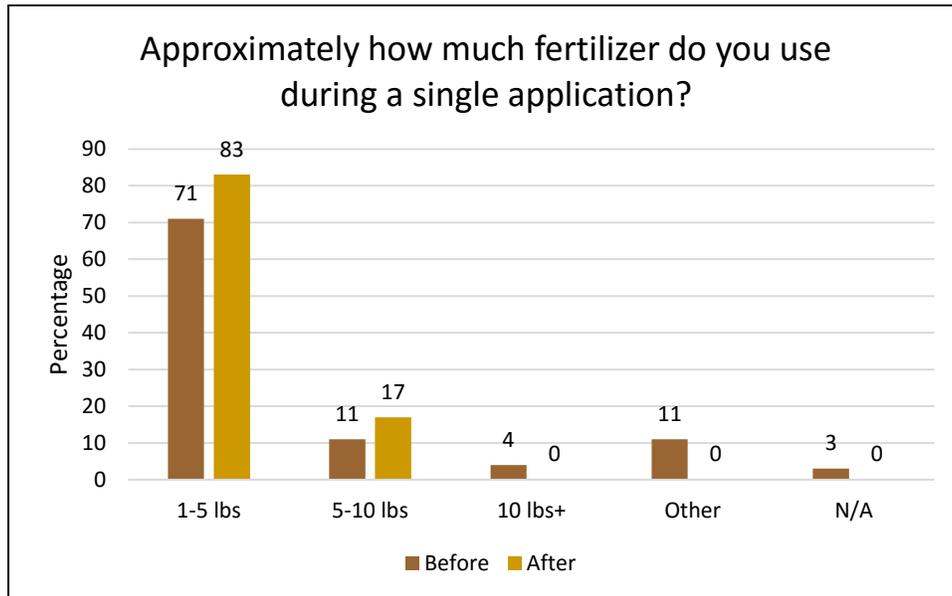
### Observations

It seems apparent that the idea of organic, slow release fertilizers resonated with workshop participants. Slow release fertilizers in general – organic and synthetic – are named more than two-thirds of those who responded to the “After” survey. The lack of change in using weed ‘n feed indicates resistance to the messages this product is not the best choice for one’s lawn.

### Age

As shown in the table below, it appears age has an impact on the type of fertilizer used. After attending the workshops, 100 percent of those age 54 and under purchased organic, slow release fertilizer – a change of 156 percent. This age group stopped using weed and feed entirely. This is in contrast to workshop participants in the 55 and older category. Although almost double the number (a 92 percent increase) began purchasing organic, slow release fertilizer, half continued to use weed ‘n feed products.

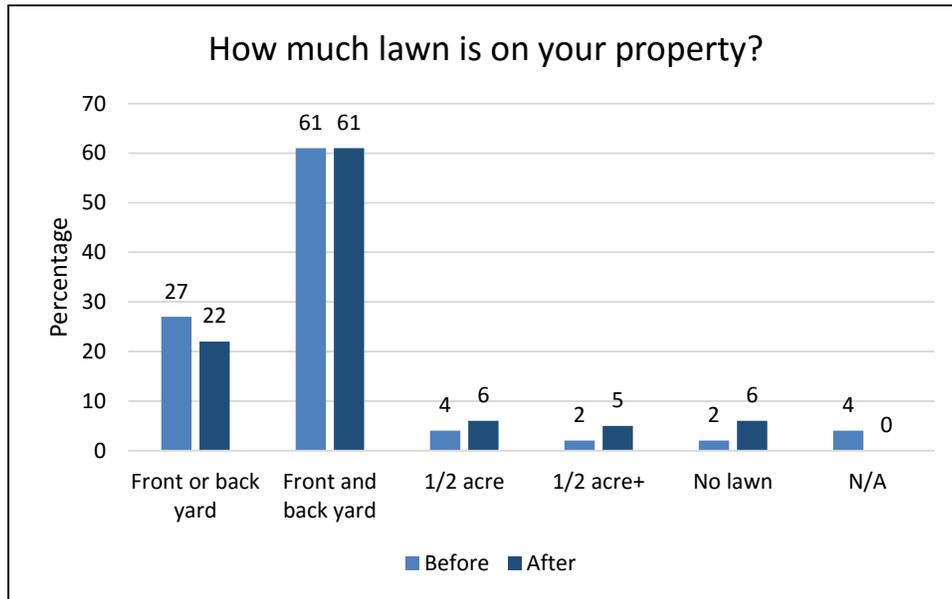
<b>TYPE OF FERTILIZER MOST FREQUENTLY PURCHASED</b>				
	<b>AGE 54 &amp; UNDER</b>		<b>AGE 55 &amp; OLDER</b>	
<b>Type</b>	<b>Before</b>	<b>After</b>	<b>Before</b>	<b>After</b>
Organic, slow release	39%	100%	13%	25%
Weed 'n feed	22%	0	62%	50%



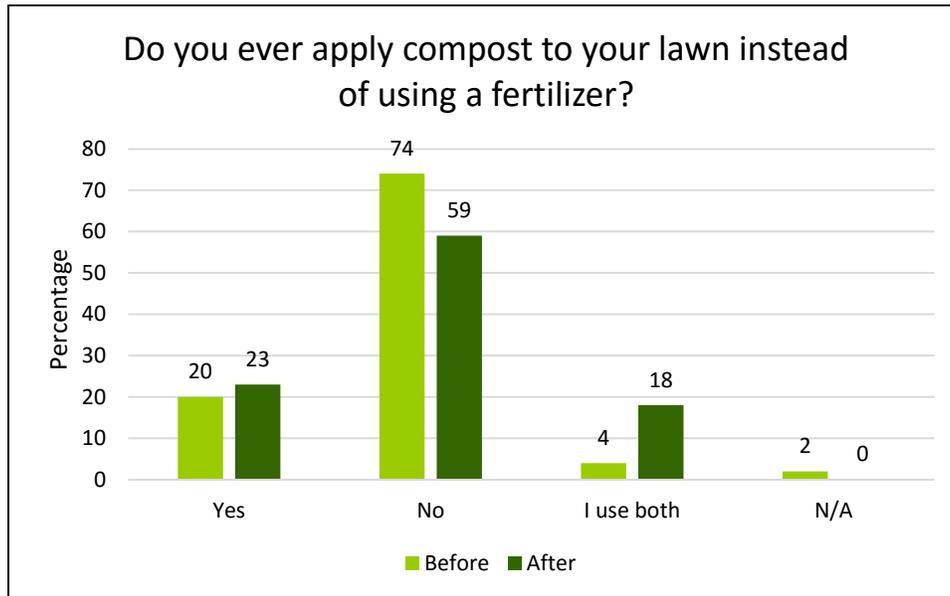
- Applying five pounds or less of fertilizer increased by 17 percent.
- Applying five to 10 pounds of fertilizer increased by 54 percent.
- Applying more than 10 pounds of fertilizer dropped to zero.

#### Observations

Those who use lawn fertilizer appear to be more conservative in the quantities they apply, as evidenced, in general, by more people using smaller amounts.



- The majority of people who attended the workshops live in homes with front and/or back yards on typical suburban-sized lots. On average, less than 10 percent are in homes with half-acre or larger lots.



- Workshop participants who said they use compost instead of fertilizer on the lawn increased by 15 percent.
- Workshop participants who said they use both compost and fertilizer increased by 350 percent.

### Observations

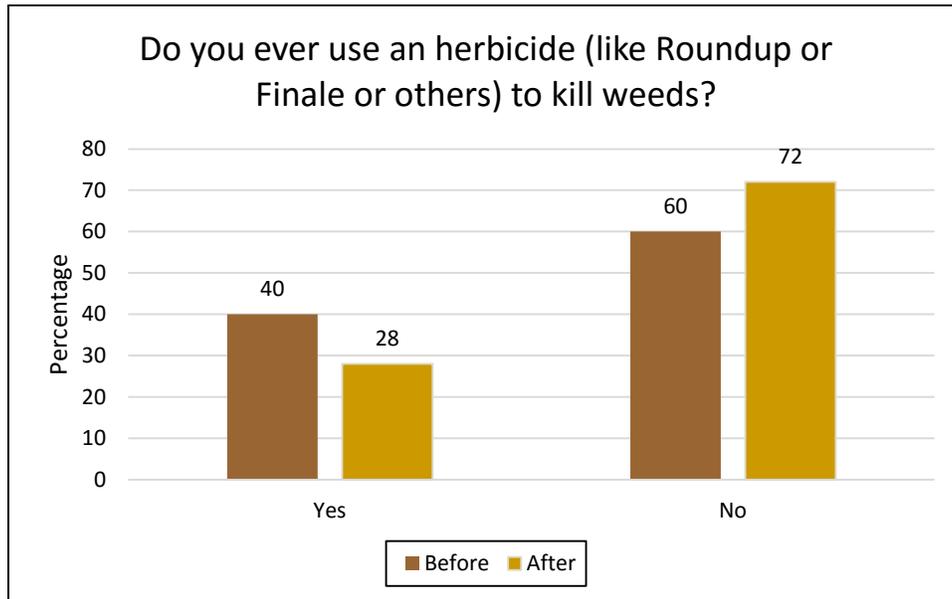
Using compost instead of, or along with, fertilizer is a key message for workshop speakers. The willingness of participants to adopt this behavior indicates they perceive the value and benefits of compost.

### Age

Age does appear to affect the decision to use compost in place of or in addition to fertilizer: younger people are more apt to use compost instead of fertilizer, while older people seem more inclined to use both.

Seventy-four (74) percent of people age 54 and under increased their use of compost; that this group shows no one using both compost and fertilizer after the workshops may indicate compost completely replaced fertilizer for at least some participants. While the number of people age 55 and older who use compost instead of fertilizer dropped by 18 percent, this change is offset by the increase in those using both products: from zero before the workshops to 43 percent after attending.

<b>EVER USE COMPOST INSTEAD OF FERTILIZER</b>				
	<b>AGE 54 &amp; UNDER</b>		<b>AGE 55 &amp; OLDER</b>	
<b>Response</b>	<b>Before</b>	<b>After</b>	<b>Before</b>	<b>After</b>
Yes	19	33	17	14
No	76	67	75	43
Use both	5	0	0	43



- Participants using an herbicide to kill weeds decreased by 30 percent.

### Pet Ownership

The use of herbicides did not seem to be affected by having pets in the home: although use decreased in homes with and without pets, the change was less in homes with pets. Prior to attending workshops, twice as many homes with pets used herbicides as those without pets. Homes without any pets showed a drop of 48 percent in herbicide use after attending the workshops. In homes with pets the decrease was 33 percent.

USE HERBICIDE: YES			
0 Pets		1-4 Pets	
Before	After	Before	After
27	14	54	36

### Children in the Home

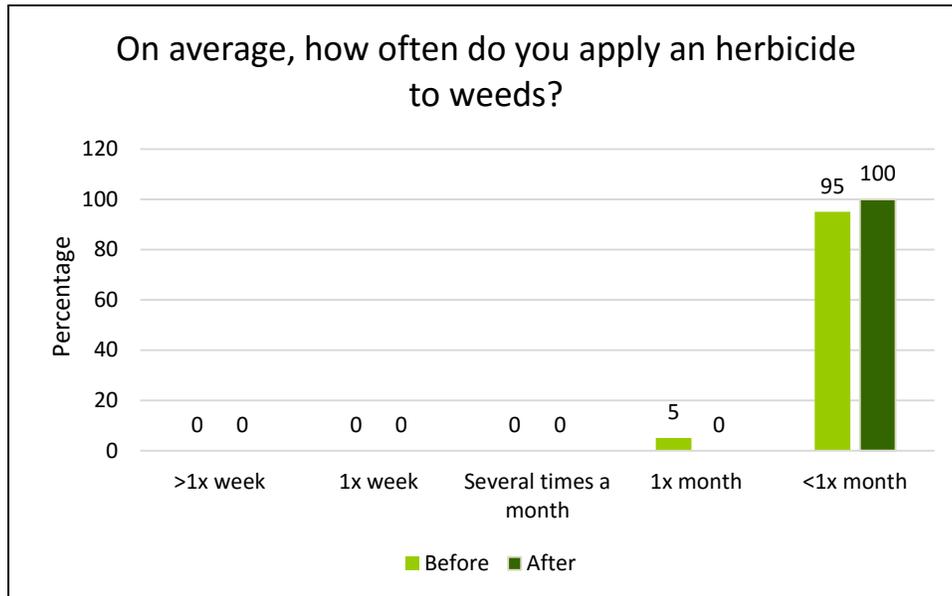
Children under the age of 18 living in the home had a dramatic effect on herbicide use. Before attending workshops, 38 percent of those with kids in the home used an herbicide in the yard. After the workshops this dropped to zero. In contrast, there was no change in herbicide use in homes that did not include kids under the age of 18.

USE HERBICIDE: YES			
0 Kids		1-4 Kids	
Before	After	Before	After
42	42	38	0

**Age**

Age also had a significant impact on herbicide use, albeit with people under the age of 55. Within this group, 72 percent fewer people said they used herbicides after attending the workshops. Just the opposite appeared to occur with people age 55 and older: after the workshops, 19 percent more said they used herbicides. This is completely at odds with key messages delivered by workshop speakers.

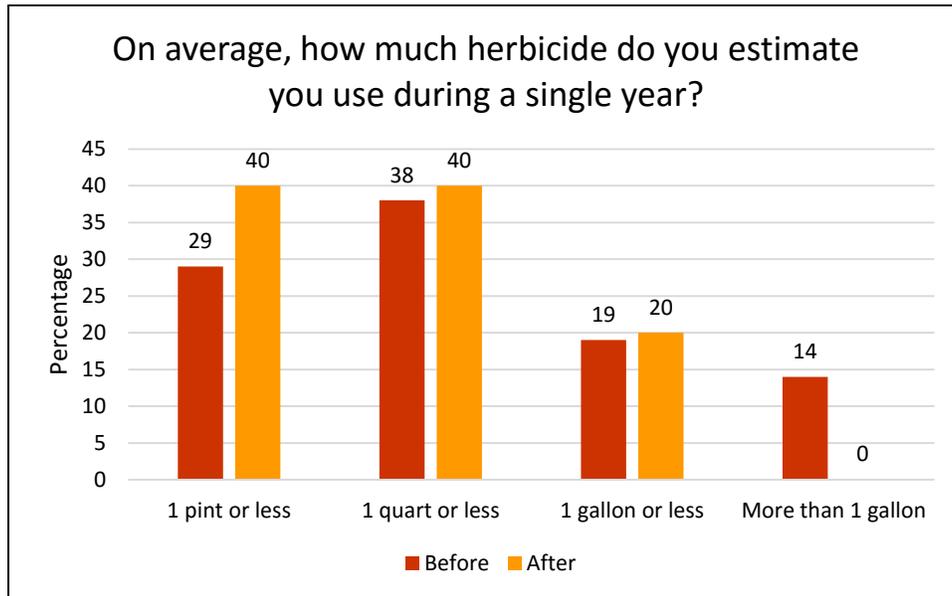
USE HERBICIDE: YES			
Under 55		Age 55 and Older	
Before	After	Before	After
39	11	42	50



- After participating in workshops, use of herbicides once a month or more dropped to zero; everyone who responded to the “After” survey said they apply an herbicide to weeds less than once a month.

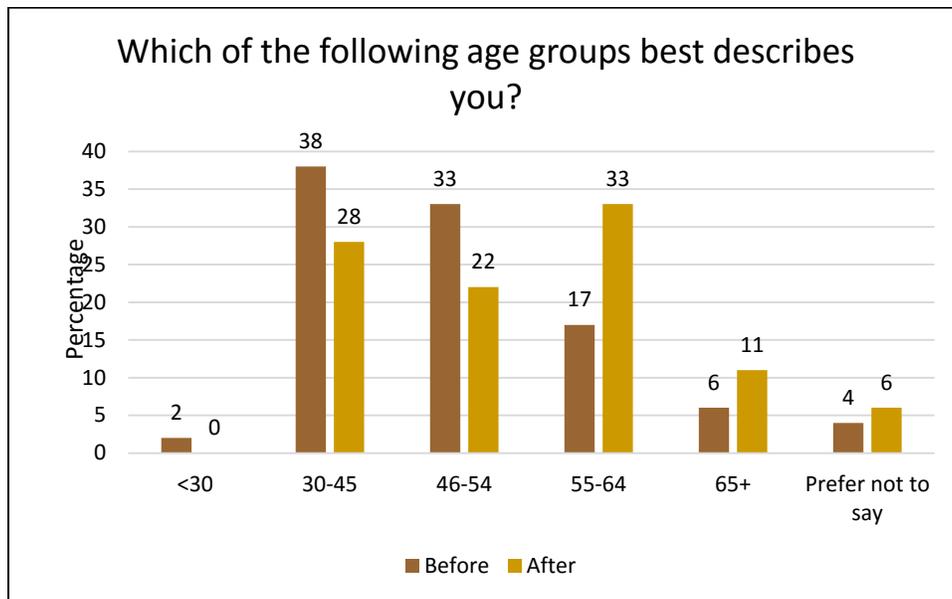
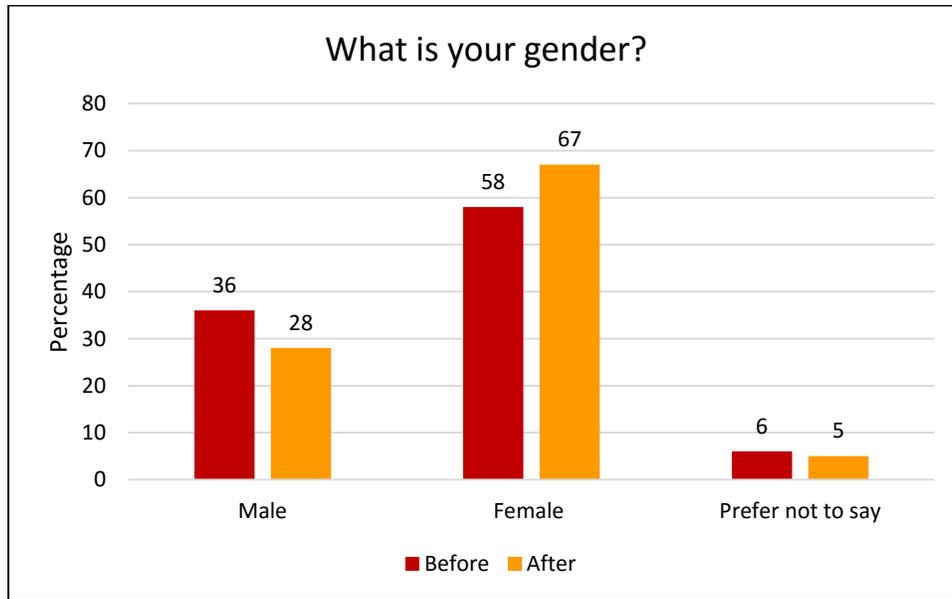
### Observation

For the audience that attended the workshops, using herbicides was infrequent even before they learned from workshop speakers of the associated risks. The change in this behavior after participating in the workshops was positive but very small.

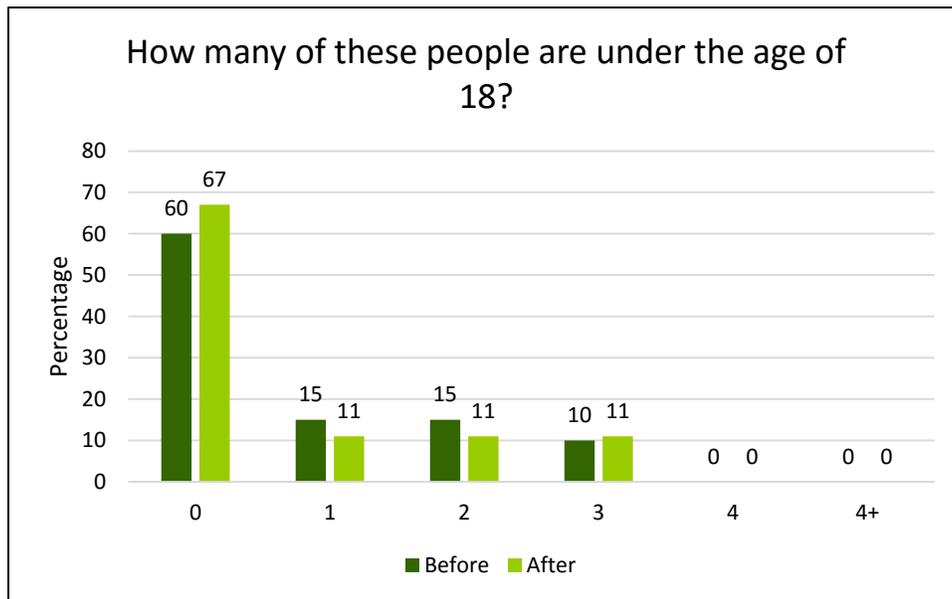
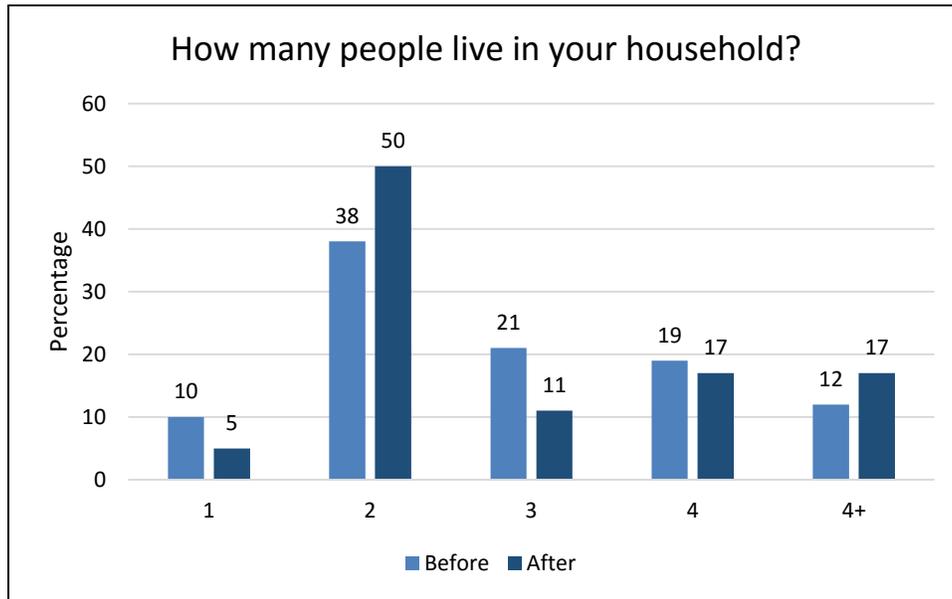


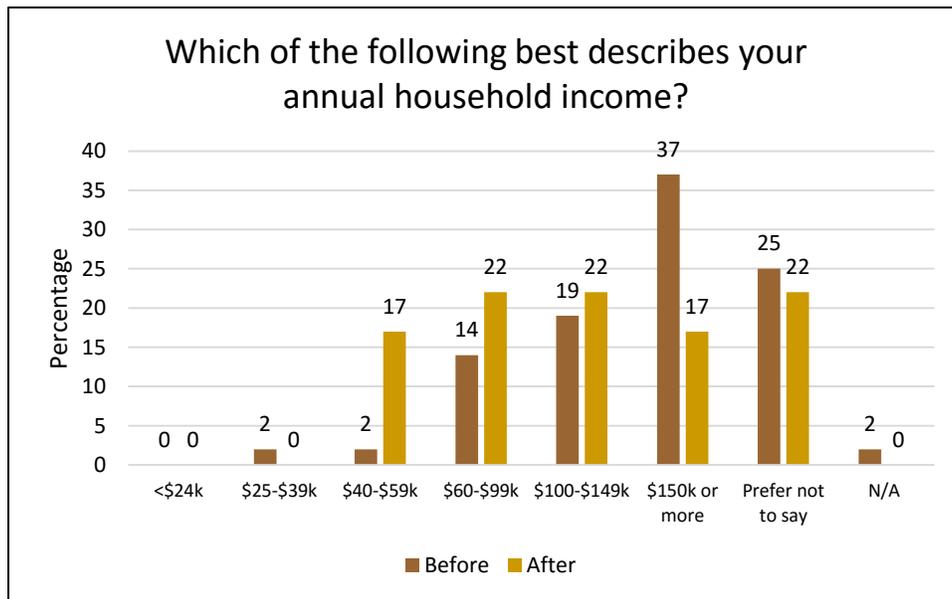
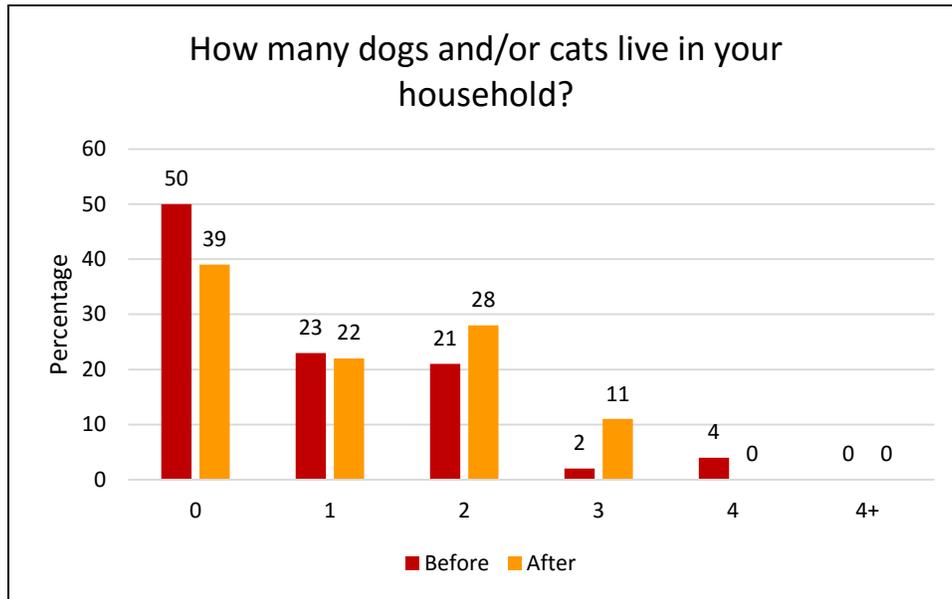
- More workshop participants – an increase of 38 percent – use one pint or less of herbicide each year.
- A total of 80 percent of workshop participants said they used one quart or one pint or less of herbicide each year, an increase of 20 percent.
- Use of more than one gallon of herbicide dropped to zero.

DEMOGRAPHIC DATA

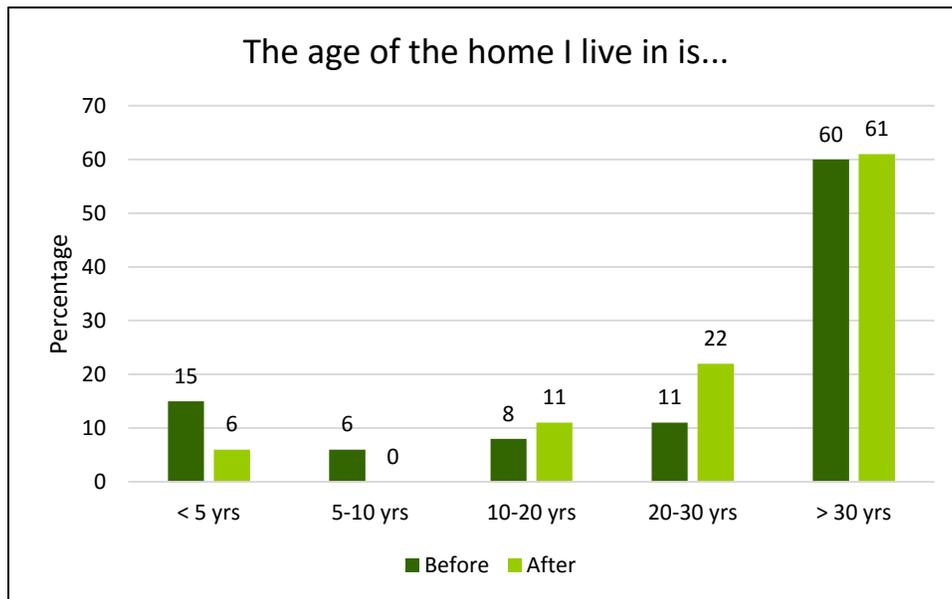
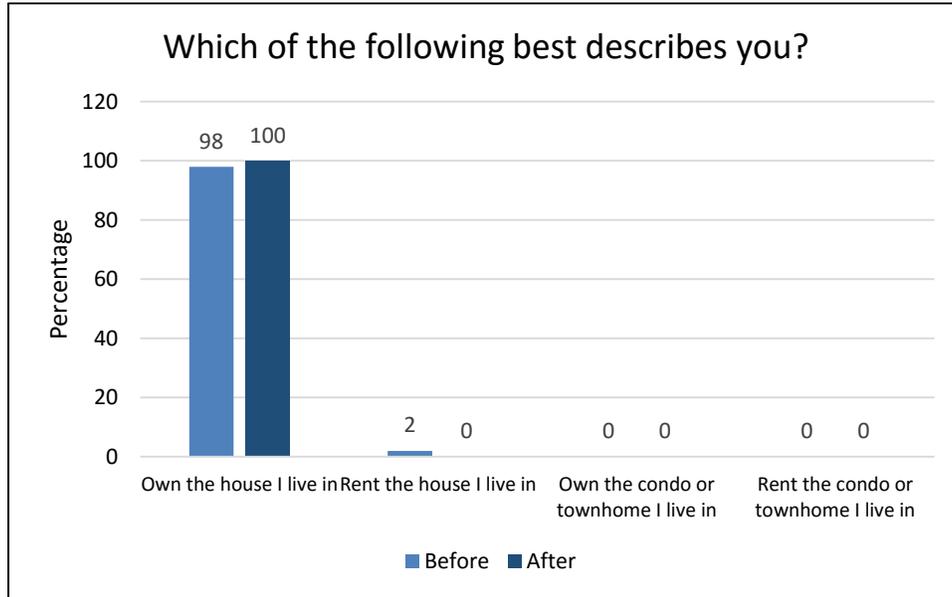


- The estimated average age of participants who responded to the “Before” survey is 47.
- The estimated average age of participants who responded to the “After” survey is 52.





- The estimated average household income by participants who responded to “Before” survey is \$137,043.
- The estimated average household income by participants who responded to “After” survey is \$106,393.



QUESTIONNAIRE

TELL US ABOUT YOUR CURRENT YARD CARE PRACTICES

Please take a moment to answer the questions listed below. Your responses are completely confidential, so we appreciate your honesty in telling us about your current yard care practices. Thank you!

1. Who maintains your yard?
  - I maintain my own yard
  - I use a landscaping service
  - A home owners association maintains my yard
2. Do you ever use an herbicide (like Roundup or Finale or others) to kill weeds?
  - Yes
  - No (Skip questions 3 and 4)
3. On average, how often do you apply an herbicide to weeds? *(Select the most suitable answer)*
  - More than once a week
  - Once a week
  - Several times a month
  - Once a month
  - Less than once a month
4. On average, how much herbicide do you estimate you use during a single year?
  - One pint or less
  - One quart or less
  - One gallon or less
  - More than one gallon
5. How much lawn is on your property? *(Select the most suitable answer)*
  - In the front **or** back yard of a typical suburban lot (one or the other, not both)
  - In the front **and** back yard of a typical suburban lot
  - Approximately half an acre (includes both front and back yards)
  - More than half an acre (includes both front and back yards)
  - No lawn (Skip questions 6-11)
6. Do you use fertilizer on your lawn?
  - Yes
  - No (Skip questions 7-10)
7. When do you apply fertilizer to your lawn? *(Select all that apply)*
  - Spring
  - Summer
  - Fall
8. How many times during the year do you apply fertilizer to your lawn?
  - Once
  - Twice
  - Three times
  - Four times
  - Five times
  - Six times or more
9. What type of fertilizer do you most frequently buy?
  - Organic, slow release
  - Synthetic, slow release
  - Synthetic, quick release
  - Weed 'n feed
  - Whatever is least expensive
10. Approximately how much fertilizer do you use **during a single application**?
  - One to five pounds
  - Five to 10 pounds
  - More than 10 pounds
  - Other (please describe)\_\_\_\_\_
11. Do you ever apply compost to your lawn **instead** of using a fertilizer?
  - Yes
  - No
  - I use both compost and fertilizer on my lawn
12. What is your gender?
  - Male
  - Female

13. Which of the following age groups best describes you?

- Under 30
- 30-45
- 46-54
- 55-64
- 65 and over

14. How many people live in your household?

- 1
- 2
- 3
- 4
- More than 4

15. How many of these people are under the age of 18?

- 0
- 1
- 2
- 3
- 4
- More than 4

16. How many dogs and/or cats live in your household?

- 0
- 1
- 2
- 3
- 4
- More than 4

17. Which of the following best describes your annual household income?

- Less than \$24,000
- \$25,000-\$39,000
- \$40,000-\$59,000
- \$60,000-\$99,000
- \$100,000-\$149,000
- \$150,000 or more

<b>Illicit Discharge Stormwater Code Enforcement Cases Opened in 2015</b> <b>Printed 02/17/2016</b>
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### In Violation

Notification to DOE?

**Staff: Tuomisto**

<b>SE15-00025</b>	2926059251	12557 116TH AVE NE	Date Opened: 01/09/2015 Date Started: 01/09/2015 Date Closed: 01/21/2015	Case Closed
	IDDE Referred From:	COK Staff ()		
	Field Screening/Tracing Method:	Visual Reconnaissance		
	Pollutant Identified:	Soap/Detergent		
	Source or Cause:	Mobile Business()		
	Correction/Eliminated:	Verbal Education/Technical Assistance		
	Correction/Eliminated:	Written Education/Technical Assistance		
<hr style="border-top: 1px dashed #000;"/>				
<b>SE15-00027</b>	9197570000	905 LAKE ST S	Date Opened: 01/20/2015 Date Started: 01/22/2015 Date Closed: 01/22/2015	Case Closed
	IDDE Referred From:	COK Staff ()		
	Field Screening/Tracing Method:	Visual Reconnaissance		
	Pollutant Identified:	Cement/Concrete		
	Pollutant Identified:	Soap/Detergent		
	Source or Cause:	Multi-Family()		
	Correction/Eliminated:	Verbal Education/Technical Assistance		
<hr style="border-top: 1px dashed #000;"/>				
<b>SE15-00028</b>	2826059179	11709 124TH AVE NE	Date Opened: 01/06/2015 Date Started: 01/06/2015 Date Closed: 04/01/2015	Case Closed
	IDDE Referred From:	COK Staff ()		
	Field Screening/Tracing Method:	Visual Reconnaissance		
	Pollutant Identified:	Soap/Detergent		
	Source or Cause:	Retail()		
	Correction/Eliminated:	Verbal Education/Technical Assistance		
	Correction/Eliminated:	Written Education/Technical Assistance		
<hr style="border-top: 1px dashed #000;"/>				
<b>SE15-00038</b>	3893100200	10025 111TH AVE NE	Date Opened: 01/23/2015 Date Started: 01/23/2015 Date Closed: 01/30/2015	Case Closed
	IDDE Referred From:	COK Staff ()		
	Field Screening/Tracing Method:	Visual Reconnaissance		
	Pollutant Identified:	Sediment/Soil		
	Source or Cause:	Single-Family()		
	Correction/Eliminated:	Verbal Education/Technical Assistance		
	Correction/Eliminated:	Written Education/Technical Assistance		

## In Violation

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Notification to DOE?

Staff: Tuomisto

**SE15-00040**    3886901650    11225 NE 88TH ST    Date Opened: 01/23/2015    Case Closed  
Date Started: 01/23/2015  
Date Closed: 02/06/2015  
IDDE Referred From: COK Staff ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Paint  
Source or Cause: Construction()  
Correction/Eliminated: Verbal Education/Technical Assistance  
Correction/Eliminated: Written Education/Technical Assistance  
Correction/Eliminated: Other (Construction Inspector)

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**SE15-00087**    1244500145    120 PARK LN , A    Date Opened: 02/17/2015    Case Closed  
Date Started: 02/17/2015    Yes  
Date Closed: 05/29/2015  
IDDE Referred From: COK Staff ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Sediment/Soil  
Pollutant Identified: Other    Potable Water  
Source or Cause: Construction()  
Correction/Eliminated: Verbal Education/Technical Assistance  
Correction/Eliminated: Written Education/Technical Assistance

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**SE15-00088**    3885800045    207 5TH AVE W    Date Opened: 02/18/2015    Case Closed  
Date Started: 02/18/2015  
Date Closed: 02/18/2015  
IDDE Referred From: COK Staff ()  
Field Screening/Tracing Method: Other (Verbal)  
Pollutant Identified: Other    sewage  
Source or Cause: Single-Family()  
Correction/Eliminated: Other (Construction Inspector)

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**SE15-00103**    3026059271    9702 NE 120TH PL    Date Opened: 02/17/2015    Case Closed  
Date Started: 02/17/2015  
Date Closed: 02/19/2015  
IDDE Referred From: Public Hotline ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Other    Potable Water  
Source or Cause: Construction()  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00137**    9477100610    14260 110TH AVE NE    Date Opened: 03/13/2015    Case Closed  
Date Started: 03/13/2015    Yes  
Date Closed: 03/17/2015  
IDDE Referred From: COK Staff ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Other    dry wall mix  
Source or Cause: Construction()  
Correction/Eliminated: Verbal Education/Technical Assistance  
Correction/Eliminated: Written Education/Technical Assistance

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## In Violation

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Notification to DOE?

**Staff: Tuomisto**

**SE15-00139**    3900101055    218 CENTRAL WAY    Date Opened: 03/12/2015    Case Closed  
Date Started: 03/13/2015  
Date Closed: 04/01/2015  
IDDE Referred From: Public Hotline ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Soap/Detergent  
Source or Cause: Retail()  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00177**    6836200010    6602 108TH AVE NE    Date Opened: 03/27/2015    Case Closed  
Date Started: 03/27/2015  
Date Closed: 04/03/2015  
IDDE Referred From: COK Staff ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Soap/Detergent  
Source or Cause: Public Agency()  
Correction/Eliminated: Verbal Education/Technical Assistance  
Correction/Eliminated: Written Education/Technical Assistance

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**SE15-00179**    1248700051    321 PARKPLACE CTR    Date Opened: 02/04/2015    Case Closed  
Date Started: 02/04/2015    Yes  
Date Closed: 04/01/2015  
IDDE Referred From: Public Hotline ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Food Waste/Fog  
Source or Cause: Food Service Establishment()  
Correction/Eliminated: Verbal Education/Technical Assistance  
Correction/Eliminated: Written Education/Technical Assistance

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**SE15-00193**    3026059281    9800 NE 116TH ST    Date Opened: 04/01/2015    Case Closed  
Date Started: 04/02/2015  
Date Closed: 04/03/2015  
IDDE Referred From: Public Hotline ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Natural Source  
Source or Cause: Retail()  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00218**    6076500460    12108 JUANITA DR NE    Date Opened: 04/08/2015    Case Closed  
Date Started: 04/10/2015  
Date Closed: 04/24/2015  
IDDE Referred From: Other (Northshore Utility District)  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Food Waste/Fog  
Source or Cause: Food Service Establishment()  
Correction/Eliminated: Verbal Education/Technical Assistance  
Correction/Eliminated: Written Education/Technical Assistance

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## In Violation

Notification to DOE?

**Staff: Tuomisto**

<b>SE15-00219</b>	2126059012	14111 132ND AVE NE	Date Opened: 04/11/2015 Date Started: 04/13/2015 Date Closed: 04/24/2015	Case Closed
IDDE Referred From: COK Staff ()				
Field Screening/Tracing Method: Visual Reconnaissance				
Pollutant Identified: Soap/Detergent				
Source or Cause: Mobile Business()				
Correction/Eliminated: Verbal Education/Technical Assistance				
Correction/Eliminated: Written Education/Technical Assistance				
<hr/>				
<b>SE15-00285</b>	3326059145	11852 NE 112TH ST	Date Opened: 05/13/2015 Date Started: 05/13/2015 Date Closed: 05/15/2015	Case Closed
IDDE Referred From: COK Staff ()				
Field Screening/Tracing Method: Visual Reconnaissance				
Pollutant Identified: Soap/Detergent				
Source or Cause: Retail()				
Correction/Eliminated: Verbal Education/Technical Assistance				
Correction/Eliminated: Written Education/Technical Assistance				
<hr/>				
<b>SE15-00287</b>	3326059145	11809 NE 116TH ST	Date Opened: 05/13/2015 Date Started: 05/13/2015 Date Closed: 06/24/2015	Case Closed
IDDE Referred From: COK Staff ()				
Field Screening/Tracing Method: Visual Reconnaissance				
Pollutant Identified: Sediment/Soil				
Source or Cause: Industrial()				
Correction/Eliminated: Verbal Education/Technical Assistance				
Correction/Eliminated: Other (LSC Inspection)				
<hr/>				
<b>SE15-00288</b>	1842500030	11027 NE 104TH ST	Date Opened: 05/13/2015 Date Started: 05/13/2015 Date Closed: 05/15/2015	Case Closed Yes
IDDE Referred From: COK Staff ()				
Field Screening/Tracing Method: Visual Reconnaissance				
Pollutant Identified: Vehicle Fluids				
Source or Cause: Mobile Business()				
Correction/Eliminated: Verbal Education/Technical Assistance				
<hr/>				
<b>SE15-00313</b>	3900100790	236 4TH AVE	Date Opened: 05/19/2015 Date Started: 05/20/2015 Date Closed: 05/20/2015	Case Closed
IDDE Referred From: COK Staff ()				
Field Screening/Tracing Method: Visual Reconnaissance				
Pollutant Identified: Sediment/Soil				
Source or Cause: Mobile Business()				
Correction/Eliminated: Verbal Education/Technical Assistance				

## In Violation

Notification to DOE?

**Staff: Tuomisto**

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<b>SE15-00325</b>	0825059099	89 KIRKLAND AVE	Date Opened: 05/28/2015 Date Started: 05/28/2015 Date Closed: 07/10/2015	Case Closed <b>Yes</b>
	IDDE Referred From:	Public Hotline ()		
	Field Screening/Tracing Method:	Visual Reconnaissance		
	Pollutant Identified:	Food Waste/Fog		
	Source or Cause:	Mobile Business()		
	Correction/Eliminated:	Verbal Education/Technical Assistance		
	Correction/Eliminated:	Written Education/Technical Assistance		

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<b>SE15-00356</b>	1248700051	321 PARKPLACE CTR	Date Opened: 06/04/2015 Date Started: 06/04/2015 Date Closed: 06/04/2015	Case Closed
	IDDE Referred From:	Public Hotline ()		
	Field Screening/Tracing Method:	Verbal		
	Pollutant Identified:	Other Potable Water - fountain		
	Source or Cause:	Commercial()		
	Correction/Eliminated:	Verbal Education/Technical Assistance		
	Correction/Eliminated:	Written Education/Technical Assistance		

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<b>SE15-00365</b>	2826059177	12350 124TH AVE NE	Date Opened: 06/11/2015 Date Started: 06/11/2015 Date Closed: 06/17/2015	Case Closed
	IDDE Referred From:	COK Staff ()		
	Field Screening/Tracing Method:	Dye Test		
	Field Screening/Tracing Method:	Visual Reconnaissance		
	Pollutant Identified:	Soap/Detergent		
	Source or Cause:	Retail()		
	Correction/Eliminated:	Verbal Education/Technical Assistance		
	Correction/Eliminated:	Written Education/Technical Assistance		

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<b>SE15-00379</b>	1875000310	421 2ND AVE S	Date Opened: 06/16/2015 Date Started: 06/16/2015 Date Closed: 06/16/2015	Case Closed
	IDDE Referred From:	Public Hotline ()		
	Field Screening/Tracing Method:	Visual Reconnaissance		
	Pollutant Identified:	Other Potable Water		
	Source or Cause:	Construction()		
	Correction/Eliminated:	Verbal Education/Technical Assistance		
	Correction/Eliminated:	Other (Construction Inspector)		

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<b>SE15-00393</b>	2909500100	9228 NE 136TH PL	Date Opened: 06/15/2015 Date Started: 06/16/2015 Date Closed: 07/15/2015	Case Closed
	IDDE Referred From:	Public Hotline ()		
	Field Screening/Tracing Method:	Visual Reconnaissance		
	Pollutant Identified:	Cement/Concrete		
	Source or Cause:	Construction()		
	Correction/Eliminated:	Verbal Education/Technical Assistance		

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## In Violation

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Notification to DOE?

### Staff: Tuomisto

<b>SE15-00429</b>	1245000375	1958 3RD ST	Date Opened: 06/16/2015 Date Started: 06/16/2015 Date Closed: 06/19/2015	Case Closed Yes
IDDE Referred From: Public Hotline ()				
Field Screening/Tracing Method: Dye Test				
Field Screening/Tracing Method: Video Inspection(CCTV)				
Field Screening/Tracing Method: Visual Reconnaissance				
Pollutant Identified: Other sewage				
Source or Cause: Single-Family()				
Correction/Eliminated: Verbal Education/Technical Assistance				
<hr/>				
<b>SE15-00430</b>	2558690050	13320 127TH PL NE	Date Opened: 07/09/2015 Date Started: 07/09/2015 Date Closed: 07/13/2015	Case Closed
IDDE Referred From: Other (Code Enforcement)				
Field Screening/Tracing Method: Visual Reconnaissance				
Pollutant Identified: Sediment/Soil				
Source or Cause: Construction()				
Correction/Eliminated: Verbal Education/Technical Assistance				
<hr/>				
<b>SE15-00447</b>	3893100855	10930 116TH AVE NE	Date Opened: 07/16/2015 Date Started: 07/17/2015 Date Closed: 07/23/2015	Case Closed
IDDE Referred From: COK Staff ()				
Field Screening/Tracing Method: Visual Reconnaissance				
Pollutant Identified: Cement/Concrete				
Source or Cause: Industrial()				
Correction/Eliminated: Other (LSC Inspection)				
<hr/>				
<b>SE15-00497</b>	0625059016	633 WAVERLY WAY	Date Opened: 08/12/2015 Date Started: 08/12/2015 Date Closed: 08/12/2015	Case Closed Yes
IDDE Referred From: COK Staff (Lifeguard)				
Field Screening/Tracing Method: Visual Reconnaissance				
Pollutant Identified: Soap/Detergent				
Source or Cause: Unknown()				
Correction/Eliminated: Verbal Education/Technical Assistance				
<hr/>				
<b>SE15-00498</b>	0927200340	12424 NE 140TH ST	Date Opened: 08/12/2015 Date Started: 08/12/2015 Date Closed: 08/19/2015	Case Closed Yes
IDDE Referred From: O&M (Other) ()				
Field Screening/Tracing Method: Visual Reconnaissance				
Pollutant Identified: Vehicle Fluids				
Source or Cause: Public Agency()				
Correction/Eliminated: Verbal Education/Technical Assistance				
Correction/Eliminated: Written Education/Technical Assistance				

## In Violation

Notification to DOE?

**Staff: Tuomisto**

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**SE15-00510**    2926059251    12557 116TH AVE NE    Date Opened: 08/19/2015    Case Closed  
Date Started: 08/19/2015  
Date Closed: 08/19/2015  
IDDE Referred From: COK Staff ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Food Waste/Fog  
Source or Cause: Food Service Establishment()  
Correction/Eliminated: Verbal Education/Technical Assistance  
Correction/Eliminated: Written Education/Technical Assistance

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**SE15-00512**    3885807450    634 7TH AVE    Date Opened: 08/19/2015    Case Closed  
Date Started: 08/19/2015  
Date Closed: 08/20/2015  
IDDE Referred From: Public Hotline ()  
Field Screening/Tracing Method: Video Inspection(CCTV)  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Other    Sewage  
Source or Cause: Commercial()  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00514**    2025550260    14420 113TH AVE NE    Date Opened: 08/17/2015    Case Closed  
Date Started: 08/17/2015    Yes  
Date Closed: 08/17/2015  
IDDE Referred From: Public Hotline ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Soap/Detergent  
Pollutant Identified: Other    chemicals  
Source or Cause: Mobile Business()  
Correction/Eliminated: Verbal Education/Technical Assistance  
Correction/Eliminated: Written Education/Technical Assistance

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**SE15-00515**    1875000310    421 2ND AVE S    Date Opened: 06/16/2015    Case Closed  
Date Started: 06/16/2015  
Date Closed: 06/16/2015  
IDDE Referred From: Public Hotline ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Other    Potable Water  
Source or Cause: Construction()  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00542**    3876460010    14300 124TH AVE NE    Date Opened: 08/26/2015    Case Closed  
Date Started: 08/27/2015  
Date Closed: 09/01/2015  
IDDE Referred From: COK Staff ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Other    dry wall  
Source or Cause: Construction()  
Correction/Eliminated: Verbal Education/Technical Assistance

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## In Violation

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Notification to DOE?

**Staff: Tuomisto**

<b>SE15-00557</b>	1245002285	343 15TH AVE	Date Opened: 09/09/2015 Date Started: 09/09/2015 Date Closed: 09/09/2015	Case Closed
IDDE Referred From: O&M (Other) ()				
Field Screening/Tracing Method: Verbal				
Pollutant Identified: Sediment/Soil				
Source or Cause: Public Agency()				
Correction/Eliminated: Verbal Education/Technical Assistance				
<hr/>				
<b>SE15-00571</b>	2592400190	12807 129TH AVE NE	Date Opened: 09/19/2015 Date Started: 09/21/2015 Date Closed: 09/21/2015	Case Closed
IDDE Referred From: O&M (Other) ()				
Field Screening/Tracing Method: Visual Reconnaissance				
Pollutant Identified: Other Potable Water				
Source or Cause: Public Agency()				
Correction/Eliminated: Verbal Education/Technical Assistance				
<hr/>				
<b>SE15-00640</b>	0856000275	538 11TH AVE W	Date Opened: 10/23/2015 Date Started: 10/23/2015 Date Closed: 11/03/2015	Case Closed
IDDE Referred From: O&M (Other) ()				
Field Screening/Tracing Method: Visual Reconnaissance				
Pollutant Identified: Cement/Concrete				
Source or Cause: Construction()				
Correction/Eliminated: Verbal Education/Technical Assistance				
<hr/>				
<b>SE15-00644</b>	3755100220	8507 NE 135TH ST	Date Opened: 10/29/2015 Date Started: 10/29/2015 Date Closed: 10/29/2015	Case Closed
IDDE Referred From: O&M (Other) ()				
Field Screening/Tracing Method: Visual Reconnaissance				
Pollutant Identified: Other Granite Cutting Slurry				
Source or Cause: Mobile Business()				
Correction/Eliminated: Verbal Education/Technical Assistance				
<hr/>				
<b>SE15-00653</b>	3886901190	817 7TH AVE	Date Opened: 11/04/2015 Date Started: 11/04/2015 Date Closed: 12/04/2015	Case Closed
IDDE Referred From: COK Staff ()				
Field Screening/Tracing Method: Visual Reconnaissance				
Pollutant Identified: Soap/Detergent				
Source or Cause: Retail()				
Correction/Eliminated: Verbal Education/Technical Assistance				
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## In Violation

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Notification to DOE?

Staff: Tuomisto

**SE15-00678**    3885801485    517 10TH AVE W    Date Opened: 11/30/2015    Case Closed  
Date Started: 11/30/2015  
Date Closed: 11/30/2015  
IDDE Referred From: O&M (Other) ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Soap/Detergent  
Source or Cause: Mobile Business()  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00679**    3893100930    11155 120TH AVE NE    Date Opened: 12/01/2015    Case Closed  
Date Started: 12/01/2015  
Date Closed: 12/03/2015  
IDDE Referred From: O&M (Other) ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Sediment/Soil  
Source or Cause: Construction()  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00700**    9388100016    6206 NE 138TH PL    Date Opened: 12/07/2015    Case Closed  
Date Started: 12/07/2015  
Date Closed: 12/11/2015  
IDDE Referred From: O&M (Other) ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Sediment/Soil  
Source or Cause: Construction()  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00703**    1244500210    117 MAIN ST    Date Opened: 10/30/2015    Case Closed  
Date Started: 10/30/2015    Yes  
Date Closed: 11/05/2015  
IDDE Referred From: O&M (Other) ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Food Waste/Fog  
Source or Cause: Unknown()  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00706**    7882600120    451 7TH AVE S    Date Opened: 02/04/2015    Case Closed  
Date Started: 02/04/2015    Yes  
Date Closed: 03/27/2015  
IDDE Referred From: ERTS ()  
Field Screening/Tracing Method: Verbal  
Pollutant Identified: Sediment/Soil  
Source or Cause: Construction()  
Correction/Eliminated: Verbal Education/Technical Assistance  
Correction/Eliminated: Written Education/Technical Assistance

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**Total In Violation = 44**

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## Not In Violation

## Not In Violation

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**Staff: Tuomisto**

<b>SE15-00026</b>	1036450470	13224 120TH AVE NE	Date Opened: 01/08/2015 Date Started: 01/08/2015 Date Closed: 04/08/2015	Case Closed
	IDDE Referred From:	Public Hotline ()		
	Field Screening/Tracing Method:	Visual Reconnaissance		
	Pollutant Identified:	Sediment/Soil		
	Pollutant Identified:	Other slight sheen on roadway		
	Source or Cause:	Mobile Business()		
	Correction/Eliminated:	Verbal Education/Technical Assistance		
	Correction/Eliminated:	Written Education/Technical Assistance		
<hr/>				
<b>SE15-00037</b>	7555200210	4104 106TH PL NE	Date Opened: 01/26/2015 Date Started: 01/27/2015 Date Closed: 02/17/2015	Case Closed
	IDDE Referred From:	Public Hotline ()		
	Field Screening/Tracing Method:	Visual Reconnaissance		
	Pollutant Identified:	Natural Source		
	Source or Cause:	Public Agency()		
	Correction/Eliminated:	Verbal Education/Technical Assistance		
<hr/>				
<b>SE15-00039</b>	9388100036	6340 NE 138TH PL	Date Opened: 01/22/2015 Date Started: 01/22/2015 Date Closed: 01/23/2015	Case Closed
	IDDE Referred From:	COK Staff ()		
	Field Screening/Tracing Method:	Visual Reconnaissance		
	Field Screening/Tracing Method:	Other (verbal)		
	Pollutant Identified:	Other Hydraulic Oil		
	Source or Cause:	Mobile Business()		
	Correction/Eliminated:	Verbal Education/Technical Assistance		
	Correction/Eliminated:	Other ()		
<hr/>				
<b>SE15-00055</b>	6669050000	5535 LAKE WASHINGTON BLVD N	Date Opened: 01/28/2015 Date Started: 01/28/2015 Date Closed: 01/29/2015	Case Closed
	IDDE Referred From:	Public Hotline ()		
	Field Screening/Tracing Method:	Other (Verbal)		
	Pollutant Identified:	Other sewage		
	Source or Cause:	Construction()		
	Correction/Eliminated:	Verbal Education/Technical Assistance		
<hr/>				
<b>SE15-00056</b>	6666000025	6611 116TH AVE NE	Date Opened: 02/02/2015 Date Started: 02/02/2015 Date Closed: 02/02/2015	Case Closed
	IDDE Referred From:	Emergency Services (Fire/Police)		
	Field Screening/Tracing Method:	Verbal		
	Pollutant Identified:	Vehicle Fluids		
	Source or Cause:	Unknown()		
	Correction/Eliminated:	Other (Source not found)		

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## Not In Violation

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**Staff: Tuomisto**

**SE15-00057**    3757900080    11720 97TH LN NE    Date Opened: 01/30/2015    Case Closed  
Date Started: 02/02/2015  
Date Closed: 03/02/2015  
IDDE Referred From: COK Staff ()  
Field Screening/Tracing Method: Verbal  
Pollutant Identified: Pressure Washing  
Source or Cause: Multi-Family()  
Correction/Eliminated: Verbal Education/Technical Assistance  
Correction/Eliminated: Written Education/Technical Assistance

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**SE15-00058**    4055700651    6603 NE 130TH LN    Date Opened: 02/03/2015    Case Closed  
Date Started: 02/03/2015  
Date Closed: 07/10/2015  
IDDE Referred From: Public Hotline ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Vehicle Fluids  
Source or Cause: Mobile Business()  
Correction/Eliminated: Verbal Education/Technical Assistance  
Correction/Eliminated: Written Education/Technical Assistance

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**SE15-00059**    3900101585    406 CENTRAL WAY    Date Opened: 02/04/2015    Case Closed  
Date Started: 02/04/2015  
Date Closed: 02/04/2015  
IDDE Referred From: Public Hotline ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Natural Source  
Source or Cause: Retail()  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00072**    3756900114    9729 NE 122ND ST    Date Opened: 01/26/2015    Case Closed  
Date Started: 01/26/2015  
Date Closed: 04/03/2015  
IDDE Referred From: COK Staff ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Other    sewage  
Source or Cause: Multi-Family()  
Correction/Eliminated: Verbal Education/Technical Assistance  
Correction/Eliminated: Written Education/Technical Assistance

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**SE15-00079**    3326059066    12217 NE 116TH ST    Date Opened: 02/13/2015    Case Closed  
Date Started: 02/13/2015  
Date Closed: 06/29/2015  
IDDE Referred From: COK Staff ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Food Waste/Fog  
Source or Cause: Food Service Establishment()  
Correction/Eliminated: Verbal Education/Technical Assistance  
Correction/Eliminated: Written Education/Technical Assistance  
Correction/Eliminated: Other (LSC inspection)

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## Not In Violation

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### Staff: Tuomisto

<b>SE15-00089</b>	4123000000	11431 NE 86TH ST	Date Opened: 01/13/2015 Date Started: 01/13/2015 Date Closed: 07/10/2015	Case Closed
	IDDE Referred From:	COK Staff ()		
	Field Screening/Tracing Method:	Visual Reconnaissance		
	Pollutant Identified:	Sediment/Soil		
	Pollutant Identified:	Other Potable Water		
	Source or Cause:	Construction()		
	Correction/Eliminated:	Verbal Education/Technical Assistance		
	Correction/Eliminated:	Written Education/Technical Assistance		
<hr/>				
<b>SE15-00104</b>	1245002285	343 15TH AVE	Date Opened: 02/17/2015 Date Started: 02/18/2015 Date Closed: 03/06/2015	Case Closed
	IDDE Referred From:	Public Hotline ()		
	Field Screening/Tracing Method:	Verbal		
	Pollutant Identified:	Other chemical - moss cleaner		
	Source or Cause:	Mobile Business()		
	Correction/Eliminated:	Verbal Education/Technical Assistance		
	Correction/Eliminated:	Written Education/Technical Assistance		
<hr/>				
<b>SE15-00138</b>	1238500590	9224 SLATER AVE NE	Date Opened: 03/05/2015 Date Started: 03/06/2015 Date Closed: 04/01/2015	Case Closed
	IDDE Referred From:	Public Hotline ()		
	Field Screening/Tracing Method:	Verbal		
	Field Screening/Tracing Method:	Visual Reconnaissance		
	Pollutant Identified:	Allowable Discharge		
	Pollutant Identified:	Other pond maintenance		
	Source or Cause:	Multi-Family()		
	Correction/Eliminated:	Verbal Education/Technical Assistance		
	Correction/Eliminated:	Written Education/Technical Assistance		
<hr/>				
<b>SE15-00164</b>	1395500020	13211 105TH AVE NE	Date Opened: 03/18/2015 Date Started: 03/18/2015 Date Closed: 03/18/2015	Case Closed
	IDDE Referred From:	COK Staff ()		
	Field Screening/Tracing Method:	Visual Reconnaissance		
	Pollutant Identified:	Cement/Concrete		
	Source or Cause:	Construction()		
	Correction/Eliminated:	Verbal Education/Technical Assistance		
	Correction/Eliminated:	Other (Construction Inspector)		
<hr/>				
<b>SE15-00178</b>	1238900245	845 KIRKLAND WAY	Date Opened: 03/17/2015 Date Started: 03/17/2015 Date Closed: 04/01/2015	Case Closed
	IDDE Referred From:	Public Hotline ()		
	Field Screening/Tracing Method:	Visual Reconnaissance		
	Pollutant Identified:	Vehicle Fluids		
	Source or Cause:	Multi-Family()		
	Correction/Eliminated:	Referred to Other Agency Ecology		
	Correction/Eliminated:	Verbal Education/Technical Assistance		

## Not In Violation

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**Staff: Tuomisto**

**SE15-00180**    0825059191    102 6TH ST S    Date Opened: 03/30/2015    Case Closed  
Date Started: 03/30/2015  
Date Closed: 03/30/2015  
IDDE Referred From: COK Staff ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Landscape Debris  
Pollutant Identified: Pressure Washing  
Source or Cause: Mobile Business()  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00181**    0825059191    102 6TH ST S    Date Opened: 03/30/2015    Case Closed  
Date Started: 03/30/2015  
Date Closed: 03/30/2015  
IDDE Referred From: COK Staff ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Vehicle Fluids  
Source or Cause: Vehicle Accident()  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00191**    0625059031    70 KIRKLAND AVE    Date Opened: 03/31/2015    Case Closed  
Date Started: 03/31/2015  
Date Closed: 03/31/2015  
IDDE Referred From: Public Hotline ()  
Field Screening/Tracing Method: Verbal  
Pollutant Identified: Pressure Washing  
Source or Cause: Mobile Business()  
Correction/Eliminated: Verbal Education/Technical Assistance  
Correction/Eliminated: Written Education/Technical Assistance

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**SE15-00192**    1310920000    11808 93RD LN NE    Date Opened: 04/01/2015    Case Closed  
Date Started: 04/03/2015  
Date Closed: 04/06/2015  
IDDE Referred From: COK Staff ()  
Field Screening/Tracing Method: Verbal  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Pressure Washing  
Source or Cause: Multi-Family()  
Correction/Eliminated: Verbal Education/Technical Assistance  
Correction/Eliminated: Written Education/Technical Assistance

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**SE15-00203**    3558900630    10535 NE 122ND ST    Date Opened: 04/01/2015    Under Review  
Date Started: 04/03/2015  
Date Closed: 04/24/2015  
IDDE Referred From: Public Hotline ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Other    Pesticide  
Source or Cause: Private-to-Private Issue()

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## Not In Violation

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### Staff: Tuomisto

<b>SE15-00205</b>	1926059027	13600 98TH AVE NE	Date Opened: 01/23/2015 Date Started: 01/23/2015 Date Closed: 01/23/2015	Case Closed
	IDDE Referred From:	Other (Northshore Utility District)		
	Field Screening/Tracing Method:	Verbal		
	Pollutant Identified:	Other sewage		
	Source or Cause:	Single-Family()		
	Correction/Eliminated:	Referred to Other AgencyKing County Public Health		
<hr/>				
<b>SE15-00236</b>	0525059029	202 3RD ST	Date Opened: 02/25/2015 Date Started: 02/25/2015 Date Closed: 04/24/2015	Case Closed
	IDDE Referred From:	Public Hotline ()		
	Field Screening/Tracing Method:	Verbal		
	Pollutant Identified:	Pressure Washing		
	Source or Cause:	Mobile Business()		
	Correction/Eliminated:	Verbal Education/Technical Assistance		
	Correction/Eliminated:	Written Education/Technical Assistance		
<hr/>				
<b>SE15-00244</b>	3888310000	211 KIRKLAND AVE	Date Opened: 04/21/2015 Date Started: 04/21/2015 Date Closed: 04/21/2015	Case Closed
	IDDE Referred From:	COK Staff ()		
	Field Screening/Tracing Method:	Visual Reconnaissance		
	Pollutant Identified:	Landscape Debris		
	Pollutant Identified:	Pressure Washing		
	Source or Cause:	Mobile Business()		
	Correction/Eliminated:	Verbal Education/Technical Assistance		
<hr/>				
<b>SE15-00270</b>	3888330000	220 3RD LN S , 11	Date Opened: 05/05/2015 Date Started: 05/05/2015 Date Closed: 05/05/2015	Case Closed
	IDDE Referred From:	COK Staff ()		
	Field Screening/Tracing Method:	Other (Verbal)		
	Pollutant Identified:	Sediment/Soil		
	Source or Cause:	Construction()		
	Correction/Eliminated:	Verbal Education/Technical Assistance		
<hr/>				
<b>SE15-00271</b>	1233100680	12643 NE 85TH ST	Date Opened: 05/05/2015 Date Started: 05/12/2015 Date Closed: 05/12/2015	Case Closed
	IDDE Referred From:	Public Hotline ()		
	Field Screening/Tracing Method:	Verbal		
	Pollutant Identified:	Soap/Detergent		
	Source or Cause:	Retail()		
	Correction/Eliminated:	Verbal Education/Technical Assistance		

## Not In Violation

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Staff: **Tuomisto**

**SE15-00272**    1245001060    1814 MARKET ST    Date Opened: 05/06/2015    Case Closed  
Date Started: 05/06/2015  
Date Closed: 05/06/2015  
IDDE Referred From: COK Staff ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Sediment/Soil  
Source or Cause: Construction()  
Correction/Eliminated: Verbal Education/Technical Assistance  
Correction/Eliminated: Other (Constructin Inspector)

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**SE15-00273**    6837750120    10012 NE 37TH CT    Date Opened: 05/07/2015    Case Closed  
Date Started: 05/07/2015  
Date Closed: 05/07/2015  
IDDE Referred From: COK Staff ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Pressure Washing  
Source or Cause: Mobile Business()  
Correction/Eliminated: Verbal Education/Technical Assistance  
Correction/Eliminated: Written Education/Technical Assistance

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**SE15-00274**    6837750000    10012 NE 37TH CT    Date Opened: 05/07/2015    Case Closed  
Date Started: 05/07/2015  
Date Closed: 05/07/2015  
IDDE Referred From: COK Staff ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Pressure Washing  
Source or Cause: Mobile Business()  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00286**    2826059086    11833 124TH AVE NE    Date Opened: 05/13/2015    Case Closed  
Date Started: 05/13/2015  
Date Closed: 05/15/2015  
IDDE Referred From: Emergency Services (Fire/Police)  
Field Screening/Tracing Method: Verbal  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Vehicle Fluids  
Source or Cause: Vehicle Accident()  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00303**    3303230080    14044 109TH AVE NE    Date Opened: 05/15/2015    Case Closed  
Date Started: 05/19/2015  
Date Closed: 05/19/2015  
IDDE Referred From: Public Hotline ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Vehicle Fluids  
Source or Cause: Single-Family()  
Correction/Eliminated: Other (no follow-up necessary)

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## Not In Violation

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### Staff: Tuomisto

<b>SE15-00304</b>	6619900160	8800 NE 127TH PL	Date Opened: 04/22/2015 Date Started: 04/29/2015 Date Closed: 05/19/2015	Case Closed
IDDE Referred From: COK Staff ()				
Field Screening/Tracing Method: Visual Reconnaissance				
Pollutant Identified: Other sewage				
Source or Cause: Single-Family()				
Correction/Eliminated: Other (no follow-up necessary)				
<hr/>				
<b>SE15-00305</b>	3326059112	11101 123RD LN NE	Date Opened: 05/20/2015 Date Started: 05/20/2015 Date Closed: 05/20/2015	Case Closed
IDDE Referred From: Public Hotline ()				
Field Screening/Tracing Method: Other (verbal)				
Pollutant Identified: Allowable Discharge				
Source or Cause: Multi-Family()				
Correction/Eliminated: Verbal Education/Technical Assistance				
<hr/>				
<b>SE15-00306</b>	0825059260	6518 114TH AVE NE	Date Opened: 05/05/2015 Date Started: 05/06/2015 Date Closed: 06/04/2015	Case Closed
IDDE Referred From: Emergency Services (Fire/Police)				
Field Screening/Tracing Method: Verbal				
Pollutant Identified: Vehicle Fluids				
Source or Cause: Vehicle Accident()				
Correction/Eliminated: Verbal Education/Technical Assistance				
Correction/Eliminated: Written Education/Technical Assistance				
<hr/>				
<b>SE15-00307</b>	1420700075	12809 NE 84TH ST	Date Opened: 05/12/2015 Date Started: 05/12/2015 Date Closed: 05/26/2015	Case Closed
IDDE Referred From: Public Hotline ()				
Field Screening/Tracing Method: Visual Reconnaissance				
Pollutant Identified: Cement/Concrete				
Source or Cause: Construction()				
Correction/Eliminated: Verbal Education/Technical Assistance				
<hr/>				
<b>SE15-00311</b>	6928400034	12514 120TH AVE NE	Date Opened: 05/12/2015 Date Started: 05/21/2015 Date Closed: 06/04/2015	Case Closed
IDDE Referred From: COK Staff ()				
Field Screening/Tracing Method: Visual Reconnaissance				
Pollutant Identified: Food Waste/Fog				
Source or Cause: Food Service Establishment()				
Correction/Eliminated: Verbal Education/Technical Assistance				
Correction/Eliminated: Written Education/Technical Assistance				

## Not In Violation

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Staff: Tuomisto

**SE15-00312**    0825059154    135 LAKE ST S    Date Opened: 05/26/2015    Case Closed  
Date Started: 05/26/2015  
Date Closed: 07/08/2015  
IDDE Referred From: Public Hotline ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Natural Source  
Source or Cause: Other(Natural fish die off)  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00314**    2826059144    12303 NE 130TH LN    Date Opened: 04/28/2015    Case Closed  
Date Started: 05/07/2015  
Date Closed: 05/07/2015  
IDDE Referred From: Public Hotline ()  
Field Screening/Tracing Method: Verbal  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Pressure Washing  
Source or Cause: Commercial()  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00326**    0825059154    135 LAKE ST S    Date Opened: 05/26/2015    Case Closed  
Date Started: 05/26/2015  
Date Closed: 06/04/2015  
IDDE Referred From: COK Staff ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Soap/Detergent  
Source or Cause: Mobile Business()  
Correction/Eliminated: Verbal Education/Technical Assistance  
Correction/Eliminated: Written Education/Technical Assistance

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**SE15-00327**    6817870540    122 STATE ST S , 309E    Date Opened: 05/20/2015    Case Closed  
Date Started: 05/21/2015  
Date Closed: 06/04/2015  
IDDE Referred From: ERTS ()  
Field Screening/Tracing Method: Verbal  
Pollutant Identified: Other    Pesticide  
Source or Cause: Public Agency()  
Correction/Eliminated: Referred to Other AgencyParks

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**SE15-00328**    7501000460    4807 117TH PL NE    Date Opened: 05/28/2015    Case Closed  
Date Started: 05/29/2015  
Date Closed: 06/09/2015  
IDDE Referred From: COK Staff ()  
Field Screening/Tracing Method: Verbal  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Landscape Debris  
Pollutant Identified: Pressure Washing  
Source or Cause: Mobile Business()  
Correction/Eliminated: Verbal Education/Technical Assistance

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## Not In Violation

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### Staff: Tuomisto

**SE15-00329**    1245002065    1314 4TH PL    Date Opened: 05/29/2015    Case Closed  
Date Started: 05/29/2015  
Date Closed: 06/04/2015  
IDDE Referred From: Public Hotline ()  
Field Screening/Tracing Method: Verbal  
Pollutant Identified: Other    pesticide  
Source or Cause: Private-to-Private Issue()  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00332**    2826059091    11731 120TH AVE NE    Date Opened: 02/03/2015    Case Closed  
Date Started: 02/03/2015  
Date Closed: 02/03/2015  
IDDE Referred From: COK Staff ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Other    wanted to use cb for car wash  
Source or Cause: Industrial()  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00333**    2926059030    11525 NE 124TH ST    Date Opened: 05/04/2015    Case Closed  
Date Started: 05/04/2015  
Date Closed: 05/04/2015  
IDDE Referred From: COK Staff ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Sediment/Soil  
Source or Cause: Construction()  
Correction/Eliminated: Verbal Education/Technical Assistance  
Correction/Eliminated: Other (Construction Inspector)

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**SE15-00334**    7882600170    835 6TH ST S    Date Opened: 03/19/2015    Case Closed  
Date Started: 03/19/2015  
Date Closed: 03/19/2015  
IDDE Referred From: Public Hotline (Responsible Party)  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Pressure Washing  
Source or Cause: Industrial()  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00335**    2826059205    13106 120TH AVE NE    Date Opened: 01/08/2015    Case Closed  
Date Started: 01/08/2015  
Date Closed: 05/28/2015  
IDDE Referred From: Public Hotline ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Allowable Discharge  
Source or Cause: Mobile Business()  
Correction/Eliminated: Verbal Education/Technical Assistance  
Correction/Eliminated: Written Education/Technical Assistance

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## Not In Violation

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Staff: Tuomisto

**SE15-00336**    4216000000    11206 NE 68TH ST    Date Opened: 06/01/2015    Case Closed  
Date Started: 06/01/2015  
Date Closed: 06/04/2015  
IDDE Referred From: Public Hotline ()  
Field Screening/Tracing Method: Verbal  
Pollutant Identified: Soap/Detergent  
Source or Cause: Multi-Family()  
Correction/Eliminated: Verbal Education/Technical Assistance  
Correction/Eliminated: Written Education/Technical Assistance

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**SE15-00337**    3757900080    11818 97TH LN NE    Date Opened: 06/02/2015    Case Closed  
Date Started: 06/02/2015  
Date Closed: 06/04/2015  
IDDE Referred From: Public Hotline ()  
Field Screening/Tracing Method: Other (Verbal)  
Pollutant Identified: Other    roof treatment  
Source or Cause: Mobile Business()  
Correction/Eliminated: Verbal Education/Technical Assistance  
Correction/Eliminated: Written Education/Technical Assistance

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**SE15-00338**    3885750000    410 2ND ST    Date Opened: 06/02/2015    Case Closed  
Date Started: 06/02/2015  
Date Closed: 06/04/2015  
IDDE Referred From: COK Staff ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Pressure Washing  
Source or Cause: Mobile Business()  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00339**    3885808355    123 5TH AVE    Date Opened: 06/02/2015    Case Closed  
Date Started: 06/02/2015  
Date Closed: 06/02/2015  
IDDE Referred From: Public Hotline ()  
Field Screening/Tracing Method: Verbal  
Pollutant Identified: Soap/Detergent  
Source or Cause: Mobile Business()  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00357**    0625059031    70 KIRKLAND AVE    Date Opened: 06/05/2015    Case Closed  
Date Started: 06/05/2015  
Date Closed: 06/17/2015  
IDDE Referred From: COK Staff (David Avila - Harbor M  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Other    adhesive  
Source or Cause: Unknown()  
Correction/Eliminated: Referred to Other AgencyEcology

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## Not In Violation

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**Staff: Tuomisto**

<b>SE15-00374</b>	2826059022	13131 NE 120TH LN	Date Opened: 06/16/2015 Date Started: 06/16/2015 Date Closed: 06/16/2015	Case Closed
IDDE Referred From: Emergency Services (Fire/Police)				
Field Screening/Tracing Method: Visual Reconnaissance				
Pollutant Identified: Vehicle Fluids				
Pollutant Identified: Other Medical Waste				
Source or Cause: Vehicle Accident(Vehicle Accident)				
Correction/Eliminated: Verbal Education/Technical Assistance				
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<b>SE15-00377</b>	1692400022	6716 110TH AVE NE	Date Opened: 06/16/2015 Date Started: 06/16/2015 Date Closed: 06/16/2015	Case Closed
IDDE Referred From: COK Staff ()				
Field Screening/Tracing Method: Visual Reconnaissance				
Pollutant Identified: Landscape Debris				
Pollutant Identified: Pressure Washing				
Source or Cause: Multi-Family()				
Correction/Eliminated: Verbal Education/Technical Assistance				
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<b>SE15-00391</b>	1895400060	10230 NE 59TH ST	Date Opened: 06/22/2015 Date Started: 06/22/2015 Date Closed: 07/10/2015	Case Closed
IDDE Referred From: Public Hotline ()				
Field Screening/Tracing Method: Visual Reconnaissance				
Pollutant Identified: Paint				
Source or Cause: Unknown()				
Correction/Eliminated: Verbal Education/Technical Assistance				
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<b>SE15-00392</b>	3885802325	404 11TH AVE W	Date Opened: 06/25/2015 Date Started: 07/10/2015 Date Closed: 07/10/2015	Case Closed
IDDE Referred From: COK Staff ()				
Field Screening/Tracing Method: Visual Reconnaissance				
Pollutant Identified: Vehicle Fluids				
Source or Cause: Unknown()				
Correction/Eliminated: Verbal Education/Technical Assistance				
<hr/>				
<b>SE15-00431</b>	1233100680	12657 NE 85TH ST	Date Opened: 07/08/2015 Date Started: 07/15/2015 Date Closed: 07/17/2015	Case Closed
IDDE Referred From: Anonymous ()				
Field Screening/Tracing Method: Visual Reconnaissance				
Pollutant Identified: Pressure Washing				
Source or Cause: Retail()				
Correction/Eliminated: Verbal Education/Technical Assistance				
Correction/Eliminated: Other (LSC Inspection)				

## Not In Violation

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**Staff: Tuomisto**

**SE15-00432**    3885808670    116 CENTRAL WAY    Date Opened: 07/07/2015    Under Review  
Date Started: 07/16/2015  
Date Closed: 07/16/2015  
IDDE Referred From: Public Hotline ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Food Waste/Fog  
Source or Cause: Food Service Establishment()  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00445**    2895700140    13430 108TH AVE NE    Date Opened: 07/16/2015    Case Closed  
Date Started: 07/16/2015  
Date Closed: 08/11/2015  
IDDE Referred From: Public Hotline ()  
Field Screening/Tracing Method: Verbal  
Pollutant Identified: Other    Sewage  
Source or Cause: Other(Unknown)  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00446**    3753800000    11713 93RD AVE NE    Date Opened: 07/15/2015    Case Closed  
Date Started: 07/15/2015  
Date Closed: 07/15/2015  
IDDE Referred From: COK Staff ()  
Field Screening/Tracing Method: Verbal  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Allowable Discharge  
Source or Cause: Multi-Family()  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00448**    2726059009    13600 NE 126TH PL    Date Opened: 07/08/2015    Case Closed  
Date Started: 07/08/2015  
Date Closed: 07/15/2015  
IDDE Referred From: COK Staff ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Natural Source  
Source or Cause: Private-to-Private Issue(Groundwa  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00457**    1725059060    4500 110TH AVE NE    Date Opened: 07/22/2015    Case Closed  
Date Started: 07/22/2015  
Date Closed: 07/24/2015  
IDDE Referred From: Public Hotline ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Sediment/Soil  
Source or Cause: Other(Natural Erosion)  
Correction/Eliminated: Referred to Other AgencyParks

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## Not In Violation

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### Staff: Tuomisto

<b>SE15-00466</b>	4216400000	11120 NE 68TH ST	Date Opened: 07/24/2015 Date Started: 07/24/2015 Date Closed: 07/28/2015	Case Closed
IDDE Referred From:	Public Hotline ()			
Field Screening/Tracing Method:	Verbal			
Pollutant Identified:	Soap/Detergent			
Source or Cause:	Multi-Family()			
Correction/Eliminated:	Verbal Education/Technical Assistance			
Correction/Eliminated:	Written Education/Technical Assistance			
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<b>SE15-00467</b>	9522300290	8457 NE WOODLAND COVE DR	Date Opened: 07/24/2015 Date Started: 07/24/2015 Date Closed: 07/29/2015	Case Closed
IDDE Referred From:	ERTS ()			
Field Screening/Tracing Method:	Verbal			
Pollutant Identified:	Other      Diquat Fluridone - Milfoil treatm			
Source or Cause:	Mobile Business()			
Correction/Eliminated:	Referred to Other AgencyParks			
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<b>SE15-00496</b>	2547200010	7316 128TH AVE NE	Date Opened: 08/11/2015 Date Started: 08/11/2015 Date Closed: 08/11/2015	Case Closed
IDDE Referred From:	COK Staff ()			
Field Screening/Tracing Method:	Visual Reconnaissance			
Pollutant Identified:	Vehicle Fluids			
Source or Cause:	Mobile Business()			
Correction/Eliminated:	Verbal Education/Technical Assistance			
<hr/>				
<b>SE15-00499</b>	3755200190	13015 96TH PL NE	Date Opened: 07/14/2015 Date Started: 07/21/2015 Date Closed: 08/12/2015	Case Closed
IDDE Referred From:	Public Hotline ()			
Field Screening/Tracing Method:	Verbal			
Pollutant Identified:	Vehicle Fluids			
Source or Cause:	Single-Family()			
Correction/Eliminated:	Verbal Education/Technical Assistance			
<hr/>				
<b>SE15-00500</b>	3585210060	8808 NE 139TH ST	Date Opened: 07/27/2015 Date Started: 07/27/2015 Date Closed: 08/12/2015	Case Closed
IDDE Referred From:	Public Hotline ()			
Field Screening/Tracing Method:	Verbal			
Pollutant Identified:	Vehicle Fluids			
Source or Cause:	Single-Family()			
Correction/Eliminated:	Verbal Education/Technical Assistance			

## Not In Violation

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Staff: Tuomisto

**SE15-00513**    1238500055    11848 NE 85TH ST    Date Opened: 08/18/2015    Case Closed  
Date Started: 08/18/2015  
Date Closed: 08/18/2015  
IDDE Referred From: Public Hotline ()  
Field Screening/Tracing Method: Video Inspection(CCTV)  
Pollutant Identified: Vehicle Fluids  
Source or Cause: Retail()  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00541**    1241500277    13005 NE 70TH PL    Date Opened: 08/31/2015    Case Closed  
Date Started: 08/31/2015  
Date Closed: 09/04/2015  
IDDE Referred From: Emergency Services (Fire/Police)  
Field Screening/Tracing Method: Verbal  
Pollutant Identified: Soap/Detergent  
Source or Cause: Mobile Business()  
Correction/Eliminated: Other (source not located)

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**SE15-00543**    1725059051    5811 LAKE WASHINGTON BLVD N    Date Opened: 08/28/2015    Case Closed  
Date Started: 08/28/2015  
Date Closed: 08/28/2015  
IDDE Referred From: Public Hotline ()  
Field Screening/Tracing Method: Verbal  
Pollutant Identified: Landscape Debris  
Source or Cause: Unknown(trees falling leaves)  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00544**    0625059031    70 KIRKLAND AVE    Date Opened: 09/04/2015    Case Closed  
Date Started: 09/04/2015  
Date Closed: 09/04/2015  
IDDE Referred From: Public Hotline ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Vehicle Fluids  
Source or Cause: Other(Boat)  
Correction/Eliminated: Referred to Other AgencyECY  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00558**    0625059031    70 KIRKLAND AVE    Date Opened: 09/04/2015    Case Closed  
Date Started: 09/04/2015  
Date Closed: 09/04/2015  
IDDE Referred From: Other (Harbormaster)  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Vehicle Fluids  
Source or Cause: Other(Boat)  
Correction/Eliminated: Verbal Education/Technical Assistance

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## Not In Violation

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**Staff: Tuomisto**

**SE15-00559**    0825059154    135 LAKE ST S    Date Opened: 08/29/2015    Case Closed  
Date Started: 08/31/2015  
Date Closed: 08/31/2015  
IDDE Referred From: Other (OEM - Pattijean)  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Vehicle Fluids  
Source or Cause: Other(Boat)  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00567**    2026059038    10020 NE 137TH ST    Date Opened: 09/12/2015    Case Closed  
Date Started: 09/15/2015  
Date Closed: 09/15/2015  
IDDE Referred From: ERTS ()  
Field Screening/Tracing Method: Verbal  
Pollutant Identified: Vehicle Fluids  
Source or Cause: Retail()  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00568**    9194100015    12309 93RD LN NE    Date Opened: 09/18/2015    Case Closed  
Date Started: 09/18/2015  
Date Closed: 09/29/2015  
IDDE Referred From: Public Hotline ()  
Field Screening/Tracing Method: Verbal  
Pollutant Identified: Landscape Debris  
Source or Cause: Commercial()  
Correction/Eliminated: Verbal Education/Technical Assistance  
Correction/Eliminated: Written Education/Technical Assistance

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**SE15-00569**    1737100200    10907 128TH PL NE    Date Opened: 09/21/2015    Case Closed  
Date Started: 09/21/2015  
Date Closed: 09/28/2015  
IDDE Referred From: Public Hotline ()  
Field Screening/Tracing Method: Verbal  
Pollutant Identified: Vehicle Fluids  
Source or Cause: Mobile Business()  
Correction/Eliminated: Verbal Education/Technical Assistance  
Correction/Eliminated: Written Education/Technical Assistance

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**SE15-00570**    2826059222    11600 124TH AVE NE    Date Opened: 09/18/2015    Case Closed  
Date Started: 09/21/2015  
Date Closed: 09/28/2015  
IDDE Referred From: Public Hotline ()  
Field Screening/Tracing Method: Verbal  
Pollutant Identified: Vehicle Fluids  
Source or Cause: Retail()  
Correction/Eliminated: Verbal Education/Technical Assistance

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## Not In Violation

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**Staff: Tuomisto**

**SE15-00591**    0120000170    404 6TH ST S    Date Opened: 09/28/2015    Case Closed  
Date Started: 09/28/2015  
Date Closed: 09/28/2015  
IDDE Referred From: O&M (Other) ()  
Field Screening/Tracing Method: Verbal  
Pollutant Identified: Allowable Discharge  
Source or Cause: Public Agency()  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00592**    6816300180    11405 115TH LN NE    Date Opened: 09/26/2015    Case Closed  
Date Started: 09/28/2015  
Date Closed: 10/02/2015  
IDDE Referred From: Emergency Services (Fire/Police)  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Allowable Discharge  
Source or Cause: Public Agency()  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00615**    3886903400    1120 8TH ST    Date Opened: 09/30/2015    Case Closed  
Date Started: 09/30/2015  
Date Closed: 09/30/2015  
IDDE Referred From: COK Staff ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Vehicle Fluids  
Source or Cause: Retail()  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00616**    1397600000    13302 132ND AVE NE    Date Opened: 10/07/2015    Case Closed  
Date Started: 10/07/2015    Yes  
Date Closed: 10/07/2015  
IDDE Referred From: Emergency Services (Fire/Police)  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Vehicle Fluids  
Source or Cause: Vehicle Accident()  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00636**    2126059237    12526 NE 144TH ST    Date Opened: 10/19/2015    Case Closed  
Date Started: 10/19/2015  
Date Closed: 10/23/2015  
IDDE Referred From: Emergency Services (Fire/Police)  
Field Screening/Tracing Method: Verbal  
Pollutant Identified: Vehicle Fluids  
Source or Cause: Retail()  
Correction/Eliminated: Verbal Education/Technical Assistance

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## Not In Violation

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### Staff: Tuomisto

**SE15-00668**    1248700051    321 PARKPLACE CTR    Date Opened: 11/20/2015    Case Closed  
Date Started: 11/20/2015  
Date Closed: 11/23/2015  
IDDE Referred From: COK Staff ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Food Waste/Fog  
Source or Cause: Retail()  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00669**    2826059086    11933 124TH AVE NE    Date Opened: 11/18/2015    Case Closed  
Date Started: 11/19/2015  
Date Closed: 12/24/2015  
IDDE Referred From: O&M (Other) (KCLHWMP)  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Food Waste/Fog  
Pollutant Identified: Other    Oil / Hazardous  
Source or Cause: Industrial()  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00680**    1248700051    321 PARKPLACE CTR    Date Opened: 11/13/2015    Case Closed  
Date Started: 11/20/2015  
Date Closed: 11/23/2015  
IDDE Referred From: COK Staff ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Soap/Detergent  
Source or Cause: Mobile Business()  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00681**    3900101275    314 CENTRAL WAY    Date Opened: 11/30/2015    Case Closed  
Date Started: 11/30/2015  
Date Closed: 11/30/2015  
IDDE Referred From: O&M (Other) ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Vehicle Fluids  
Source or Cause: Vehicle Accident()  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00696**    3885808250    106 5TH AVE    Date Opened: 12/02/2015    Case Closed  
Date Started: 12/03/2015  
Date Closed: 12/30/2015  
IDDE Referred From: COK Staff ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Vehicle Fluids  
Source or Cause: Unknown()  
Correction/Eliminated: Verbal Education/Technical Assistance  
Correction/Eliminated: Written Education/Technical Assistance

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## Not In Violation

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**Staff: Tuomisto**

**SE15-00697**    1625059015    6008 116TH AVE NE    Date Opened: 12/03/2015    Case Closed  
Date Started: 12/03/2015  
Date Closed: 12/03/2015  
IDDE Referred From: O&M (Other) ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Vehicle Fluids  
Source or Cause: Unknown()  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00701**    6801500200    13130 103RD PL NE    Date Opened: 12/10/2015    Case Closed  
Date Started: 12/10/2015  
Date Closed: 12/10/2015  
IDDE Referred From: COK Staff ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Vehicle Fluids  
Source or Cause: Vehicle Accident()  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00702**    3900101510    450 CENTRAL WAY    Date Opened: 11/30/2015    Case Closed  
Date Started: 11/30/2015  
Date Closed: 11/30/2015  
IDDE Referred From: O&M (Other) ()  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Vehicle Fluids  
Source or Cause: Vehicle Accident()  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00707**    2826059122    12231 120TH AVE NE    Date Opened: 11/04/2015    Case Closed  
Date Started: 11/04/2015  
Date Closed: 11/10/2015  
IDDE Referred From: Emergency Services (Fire/Police)  
Field Screening/Tracing Method: Verbal  
Pollutant Identified: Vehicle Fluids  
Source or Cause: Other(RV parked in Fred Meyer parking lot)  
Correction/Eliminated: Verbal Education/Technical Assistance

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**SE15-00708**    3764600000    11633 100TH AVE NE , C6    Date Opened: 12/07/2015    Case Closed  
Date Started: 12/14/2015  
Date Closed: 12/17/2015  
IDDE Referred From: Other (PW Counter)  
Field Screening/Tracing Method: Visual Reconnaissance  
Pollutant Identified: Vehicle Fluids  
Source or Cause: Multi-Family()  
Correction/Eliminated: Verbal Education/Technical Assistance

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## Not In Violation

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### Staff: Tuomisto

<b>SE15-00739</b>	1233100834	12420 NE 87TH ST	Date Opened: 12/22/2015 Date Started: 12/22/2015 Date Closed: 12/30/2015	Case Closed
IDDE Referred From:	Public Hotline ()			
Field Screening/Tracing Method:	Verbal			
Pollutant Identified:	Other Potable water			
Source or Cause:	Single-Family()			
Correction/Eliminated:	Verbal Education/Technical Assistance			
<hr/>				
<b>SE15-00740</b>	2826059179	11709 124TH AVE NE	Date Opened: 12/22/2015 Date Started: 12/22/2015 Date Closed: 12/30/2015	Under Review
IDDE Referred From:	O&M (Other) ()			
Field Screening/Tracing Method:	Visual Reconnaissance			
Pollutant Identified:	Landscape Debris			
Source or Cause:	Retail()			
Correction/Eliminated:	Verbal Education/Technical Assistance			
<hr/>				
<b>SE15-00742</b>	3754500307	11846 89TH PL NE	Date Opened: 12/23/2015 Date Started: 12/23/2015 Date Closed: 12/23/2015	Case Closed
IDDE Referred From:	Public Hotline ()			
Field Screening/Tracing Method:	Visual Reconnaissance			
Pollutant Identified:	Vehicle Fluids			
Source or Cause:	Commercial()			
Correction/Eliminated:	Verbal Education/Technical Assistance			
<hr/>				
<b>SE15-00743</b>	9206200030	13220 108TH AVE NE	Date Opened: 12/30/2015 Date Started: 12/30/2015 Date Closed: 12/30/2015	Case Closed
IDDE Referred From:	Public Hotline ()			
Field Screening/Tracing Method:	Visual Reconnaissance			
Pollutant Identified:	Vehicle Fluids			
Source or Cause:	Commercial()			
Correction/Eliminated:	Verbal Education/Technical Assistance			
<hr/>				
<b>SE15-00744</b>	0625059016	633 WAVERLY WAY	Date Opened: 12/31/2015 Date Started: 12/31/2015 Date Closed: 12/31/2015	Case Closed
IDDE Referred From:	ERTS ()			
Field Screening/Tracing Method:	Verbal			
Field Screening/Tracing Method:	Visual Reconnaissance			
Pollutant Identified:	Sediment/Soil			
Source or Cause:	Construction()			
Correction/Eliminated:	Verbal Education/Technical Assistance			

**Not In Violation**

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**Staff: Tuomisto**

<b>SE15-00745</b>	8143000170	10459 NE 142ND ST	Date Opened: 12/31/2015	Case Closed
	IDDE Referred From:	O&M (Other) ()	Date Started: 12/31/2015	
	Field Screening/Tracing Method:	Verbal	Date Closed: 01/13/2016	
	Pollutant Identified:	Vehicle Fluids		
	Source or Cause:	Single-Family()		
	Correction/Eliminated:	Verbal Education/Technical Assistance		

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**Total Not In Violation = 96**

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**Total Illicit Discharge Stormwater Code Enforcement Cases  
Opened in 2015 = 140**

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# ATTACHMENT FOR LINE ITEM 56

## **City of Kirkland, 2015 NPDES Annual Report**

Attachment for line item 56. Description of Stormwater Monitoring or Stormwater Related Studies as described in S8.A

Stormwater Monitoring and Stormwater Related Studies performed in 2015.

- Monitoring to identify sources of fecal coliform bacteria in Juanita Creek.
- B-IBI sampling in Kirkland basins: Juanita, Forbes, Denny, and Cochran.
- Volunteer water quality sampling in Forbes Lake.
- Collection of data from pressure transducers on Forbes Lake, Totem Lake and surrounding areas.