

### CITY OF PASCO 2021 STORMWATER MANAGEMENT PROGRAM PLAN (SWMPP)

EASTERN WASHINGTON PHASE II
MUNICIPAL STORMWATER PERMIT
PERMIT NO. WAR04-6503

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Date: May 2021

Permit Cycle(s): February 16, 2007 - July 31, 2014 August 1, 2014 – July 31, 2019 August 1, 2019 – July 31, 2024



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### **ACRONYMS AND ABBREVIATIONS**

AKART All Known, Available, and Reasonable methods of prevention, control, and Treatment

BMPs Best Management Practice

CED Community and Economic Development
CESCL Certified Erosion and Sediment Control Lead

CIP Capital Improvement Program

City City of Pasco

CSMP 2016 Comprehensive Stormwater Management Plan

Ecology Washington State Department of Ecology EPA U.S. Environmental Protection Agency

FCD Franklin Conservation District
GIS Geographic Information System

IDDE Illicit Discharge Detection and Elimination

IS Information Services

MEP Maximum Extent Practicable

MS4(s) Municipal Separate Storm Sewer System

NPDES National Pollutant Discharge Elimination System

O&M Operation and Maintenance

Permit Phase II Eastern Washington Municipal Stormwater Permit

Phase I Municipal Stormwater Permit

PMC Pasco Municipal Code

PW Public Works

QAPP Ecology-approved Quality Assurance Project Plan (QAPP)

Quad-Cities Kennewick, Pasco, Richland, and West Richland

Standards Design and Construction Standards and Specifications for Public Works Improvements

SWMMEW Stormwater Management Manual for Eastern Washington

SWMPP Stormwater Management Program Plan

UGA Urban Growth Area

UIC Underground Injection Control

WSDOT Washington State Department of Transportation

### **ACKNOWLEDGEMENTS**

Many people were involved with providing documentation, information, and input when developing this plan. The following are acknowledged for their contributions and support:

### City of Pasco

- o Albert Obermiller, Public Works Project Coordinator
- o Ben Mohs, Plans Examiner
- o Dan Ford, PE, City Engineer
- o Derek Wiitala, Public Works Division Manager
- o John Millan, Deputy Public Works Director
- o Jon Padvorac, PE, Senior Civil Engineer
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### Section 1 Introduction and Background

The Washington State Department of Ecology (Ecology) issued the first Phase I Municipal Stormwater Permit (Phase 1) in 1995. Phase I required medium and large cities, or certain counties with populations of 100,000 or more, to obtain National Pollutant Discharge Elimination System (NPDES) permit coverage for stormwater discharges. The municipalities covered under Phase I include the City of Seattle, the City of Tacoma, and Snohomish, King, Pierce, and Clark counties.

In December of 1999, the U.S. Environmental Protection Agency (EPA) adopted the National Pollutant Discharge Elimination System (NPDES) Phase II stormwater regulations. The federal rules thereof provide the minimum measures for compliance that are applicable to owners or operators of regulated small Municipal Separate Storm Sewer Systems (MS4). The NPDES Phase II regulations require urbanized areas, as defined by the U.S. Census Bureau and with small MS4s designated by the permitting authority, to obtain NPDES permit coverage for their stormwater discharges. The City of Pasco (City) is located in Franklin county, on the north margin of the Columbia River. The City is part of the metropolitan area/ urbanized area which includes Kennewick, Richland, and West Richland located across the river in Benton County (often referred as the Quad-Cities).

The Phase II Eastern Washington Municipal Stormwater Permit (Permit) is currently issued with a term from August 1, 2019 to July 31, 2024. Throughout the term of the Permit, certain requirements must be met by MS4 permittees, including the development and implementation of a Stormwater Management Program Plan (SWMPP).

### 1.1 Purpose

The purpose of the City's SWMPP is to inform the public of actions and activities that are planned during the upcoming annual reporting cycle of the MS4 Permit.

The SWMPP is updated annually and submitted to Ecology with the MS4 Annual Report in accordance with Permit Requirements S9. In general, the SWMPP is designed to reduce the discharge of pollutants from the City's regulated MS4 to the Maximum Extent Practicable (MEP), satisfy the state requirement under RCW 90.48 to apply All Known, Available, and Reasonable methods of prevention, control, and Treatment (AKART) prior to discharge, and to protect water quality.

### 1.2 Stormwater Utility

The City's stormwater management utility was formed by Ordinance No. 3386 in November 1999. This action by City Council established Chapter 13.80 (*prior code 13.60*) of the Pasco Municipal Code (PMC), which provides the management of City owned surface and stormwater operations, including maintenance and performance standards. PMC 13.80 also outlines the City's stormwater utility authority for illicit discharge detection and elimination, construction and post-construction responsibilities, rates and charges, and administrative enforcement procedures.

Under PMC 14.10, the construction, modification, extension, or improvements that directly, or indirectly, affect any MS4 infrastructure, is performed in accordance with the City's Design and Construction Standards and Specifications for Public Works Improvements (Standards). The City's Standards adopt and amend the Standard Specifications for Road, Bridge, and Municipal Construction published by Washington State Department of Transportation (WSDOT). These rules apply to work performed under any Public Works (PW) contract and private development within the City.

### 1.3 Stormwater Infrastructure

In general, the City's MS4 consists of conveyance through the storm sewer system, on-site collection and dissipation systems, or grassy swales along roadways. As identified in the City's 2016 Comprehensive Stormwater Management Plan (CSMP), the City's stormwater infrastructure, or MS4, consists of a network of piped conveyances and infiltration pipe. This includes 50+ miles of stormwater pipe, 13+ miles of infiltration pipe, 2,786 catch basins, 1,673 inlets, and 835 manholes.

The stormwater conveyance system is primarily situated in older areas of the City and accepts storm run-off from streets and sidewalks and directs the flow to outfalls into the Columbia River. Street drainage in newer areas is accomplished by the use of catch basins and infiltration facilities or grassy swales along the side of the street, or by detention/infiltration ponds. The arid and often windy climate, which evaporates moisture quickly, combined with the treatment capacity of the region's soils and deep-water table, enables these methods to function effectively and avoids potential impacts to the waters of the Columbia River.

### Section 2 Permit Coverage Area

The permit coverage area includes the entire limits of the City. Areas within Urban Growth Area (UGA), but outside the City limits, are under the jurisdiction of Franklin County until such time they are annexed into the City. As identified in the City's proposed 2018-2038 Comprehensive Plan (Volume II), the existing land use within City limits includes approximately 21,237 acres with a population of 75,290.

### Section 3 NPDES Phase II Permit Stormwater Management Program Plan (SWMPP)

This SWMPP describes the City's programs, practices and responsibilities that are implemented to effectively meet the Permit requirements. As outlined in S5.B of the Permit, the SWMPP is organized by the following components:

- Public Education and Outreach
- Public Involvement and Participation
- Illicit Discharge Detection and Elimination
- Construction Site Stormwater Runoff Control
- Post-Construction Stormwater Management for New Development and Redevelopment
- Municipal Operations and Maintenance

The SWMPP also serves as a guide for the general public to become familiar the City's plan to promote the health, safety, and welfare in the management of surface and stormwater runoff throughout the community. It will also provide information for upcoming education and outreach events, involvement opportunities, construction stormwater controls, maintenance and operations stormwater processes, and coordination that City staff performs to ensure Permit requirements are met each year.

In general, management and maintenance of the City's stormwater utility is performed by the Public Works (PW) department. This department also oversees the implementation of Capital Improvement Program (CIP) projects. For privately developed projects, the review of site plans and development plans is performed by the Community and Economic Development (CED) department. Other departments, for example, Administrative and Community Services (ACS), Finance, and Executive, coordinate in supporting roles for the stormwater utility through their divisions: Information Services (IS), Customer Service and Communications Services, respectively.

### 3.1 Public Education and Outreach

### 3.1.1 Permit Requirements (S5.B.1)

Permittees shall implement a public education and outreach program designed to educate the target audiences about the impacts of stormwater discharges to water bodies and the steps to take to reduce pollutants in stormwater. Outreach and educational efforts should include a multimedia approach and shall be targeted and presented to specific audiences for increased effectiveness. The education program may be developed and implemented locally or regionally.

The SWMPP shall, at a minimum address the following, based on the land uses and priority target audiences found within the community. Permittees shall provide subject area information to the target audience on an ongoing or strategic schedule.

The table below outlines the minimum performance measures for target audiences and applicable information that shall be provided to them:

### Table 3-1

S5.B.1.a.i General public, including homeowners, teachers, school-age children, or overburdened communities	<ul> <li>(a) The importance of improving water quality and protecting beneficial uses of waters of the State.</li> <li>(b) The potential impacts from stormwater discharges.</li> <li>(c) Methods for avoiding, minimizing, reducing, and/or eliminating the adverse impacts of stormwater discharges.</li> <li>(d) Actions individuals can take to improve water quality, including encouraging participation in local environmental stewardship activities and programs.</li> </ul>
S5.B.1.a.ii Businesses	<ul> <li>(a) Preventing illicit discharges, including what constitutes illicit discharges (e.g., Source Control BMPs to prevent illicit discharges).</li> <li>(b) The impacts of illicit discharges.</li> <li>(c) Promoting the proper management and disposal of waste.</li> <li>(d) Management of dumpsters and wash water.</li> <li>(e) The use and storage of automotive chemicals, hazardous cleaning supplies, carwash soaps, and other hazardous materials.</li> </ul>
S5.B.1.a.iii Engineers, construction contractors, developers, development review staff, and land use planners	<ul> <li>(a) Technical standards, and the development of stormwater site plans and erosion control plans.</li> <li>(b) Infiltration and underground injection control criteria.</li> <li>(c) Low Impact Development (LID).</li> <li>(d) Stormwater Best Management Practices (BMPs) for reducing adverse impacts from stormwater runoff from development sites.</li> <li>(e) Municipal stormwater code requirements.</li> </ul>

By no later than August 1, 2023, new Permittees shall begin using the results of measurements to direct education and outreach resources more effectively, as well as to evaluate changes in adopted behaviors. Each Permittee shall measure the understanding and adoption of the targeted behaviors for at least one target audience in at least one subject area. No later than December 31, 2021, Permittees shall use the resulting measurements to direct ongoing education and outreach resources most effectively, as well as to evaluate changes in adoption of the targeted behaviors.

### 3.1.2 Implementation of S5.B.1 in 2021

The City continues to promote education and awareness about stormwater to the target audiences, through Utility Bill Inserts to property owners and participation at local events, as well as education and outreach activities throughout the year. The City has contracted with the Franklin Conservation District (FCD) to provide public education and outreach related to stormwater pollution prevention awareness. FCD is dedicated to educating school-aged children in Franklin County about conservation of water and soil quality in the surrounding area. The curriculum for this education is specifically designed to engage school-aged children by involvement through specific programs. Teachers are also offered seminars to learn about the content of the program and incorporate material in their curriculum and class planning.

Due to COVID-19 restrictions, presentations for the FCD programs described below are not currently available inperson and will be offered virtually in 2021 unless otherwise posted.

### **Drain Rangers**



The Drain Rangers program is designed for teachers and school-aged children (Grades 3-5) to develop an understanding of stormwater pollution control and specific actions that can be taken to improve the quality of water. Students are introduced to a problem-solving curriculum where they explore ways to overcome challenges for stormwater infrastructure. The lessons specifically designed to meet requirements of the Common Core and Next Generation Science Standards. Course content also includes information related to polluted

stormwater runoff, engineering design, and literacy skills.

For more information, please visit the FCD website: https://www.franklincd.org/drain-rangers

### **Jr. Drain Rangers**

Modeled after the Drain Rangers stormwater education program, the Jr. Drain Rangers is adapted to meet the learning needs of school aged children (Grades K-2). Presentations are given where students are able to identify problems in their community and develop solutions. Students participate in hands-on activities, games, and engage in discussion about stormwater challenges and how to prevent pollution.

For more information, please visit the FCD website: https://www.franklincd.org/jr-drain-rangers-original

### Wheat Week



Wheat Week is a program designed for students (Grades 3-6) to explore how the wheat plant plays a vital role in the ecosystem. Over the course of 5 days, topical lessons are provided that include introducing the wheat

plant as a system of parts, the water cycle, the importance of soil, wheat DNA, and wheat as an energy source for humans. Teachers can register for Wheat Week lessons and order educational kits from the local Wheat Week educator.

For more information, please visit the FCD website: https://www.franklincd.org/wheat-week

For informational purposes, **Attachment A** includes 2020 Education Reports from FCD for Jr. Drain Rangers, Drain Rangers, and Wheat Week.

### **Outreach to Businesses, Contractors, and Developers**

Stormwater information for local businesses, contractors, developers, and other professional services involved with land development and re-development is available on the City's website, as well as in handouts that are available in the CED and Customer Service departments (examples provided in **Attachment C**).

Pasco is situated within the vicinity of three other cities, including Kennewick, Richland, and West Richland and many local businesses and contractors are active throughout this area. Although Kennewick, Pasco, Richland, and West Richland (Quad-Cities) own and operate different MS4s, ongoing coordination between the Quad-Cities will be implemented for outreach to these local businesses. Coordination efforts will include providing invites to contractors, developers, and engineers for education opportunities, such as virtual events for Regional Stormwater Training (e.g., Eastern Washington Stormwater Management Manual, General Construction Stormwater Permit, UIC registration, etc.).

The development community and CED department staff play an important contributing role through the site plan and development review process. This process is required for all building, land development, and re-development projects, where plans are submitted and examined by the CED department. The procedure for the plan review process is outlined in the City's Design and Construction Standards and Specifications for Public Works Improvements (Standards): https://www.pasco-wa.gov/409/City-Standards-Specifications

In accordance with the SWMMEW and the Phase II Municipal Stormwater Permit, the City's Standards include general requirements and guidance for stormwater improvements and construction best practices. Based on those general requirements and guidance, the CED department has made a Development Review Checklist available to inform the public of project elements that are required for the plan review process. For example, the checklist shows that a site stormwater plan and report are required to be prepared by an engineer licensed in the state of Washington and submitted to the City by the builder or developer.

### Regional Events

The City participates along with FCD and other Quad city members in regional events. A booth for stormwater pollution prevention awareness and resources for Illicit discharge reporting is planned for upcoming regional events, such as the Regional Home and Garden Show and Benton-Franklin Fair & Rodeo. These booths are a joint effort between the Quad-Cities and FCD, where visitors are engaged to win "stormwater pollution prevention" merchandise by responding to stormwater related questions. Best management practices and illicit discharge resources are provided at the booth, along with a PowerPoint presentation projected in the background, educational brochures that are handed out, and contact information for each City. Due to COVID-19 restrictions, events may need to be rescheduled or cancel, and at this time City tentatively plans to participate in these events in the Fall of 2021.





In 2021, the existing program for Public Education and Outreach will continue in accordance with S5.B.1 of the 2019-2024 Permit.

### 3.2 Public Involvement and Participation

### 3.2.1 Permit Requirements (S5.B.2)

Permittees shall provide ongoing opportunities for public involvement and participation such as advisory panels, public hearings, watershed committees, participation in developing rate-structures, or other similar activities. Permittees shall comply with applicable state and local public notice requirements when developing elements of the SWMP.

The table below outlines the minimum performance measures for public involvement and participation:

Table 3-2

<u>S5.B.2.a</u>	Permittees shall implement a program or policy directive to create opportunities for the public, including overburdened communities, to provide input during the decision-making processes involving the development, implementation and update of the SWMP, including development and adoption of all required ordinances and regulatory mechanisms.
<u>S5.B.2.b</u>	No later than May 31 each year, Permittees shall post on their website and make the latest version of the Annual Report and SWMP Plan available to the public. All other submittals should be available to the public upon request. Co-Permittees and other groups of Permittees that are developing the SWMP in a cooperative effort may post the updated SWMP Plan on a single entity's website. To comply with the posting requirement, a Permittee that does not maintain a website may submit the updated SWMP Plan in electronic format to Ecology for posting on its website.

### 3.2.2 Implementation of S5.B.2 in 2021

**Existing Program:** The City is open to comments and concerns from the public relating to the stormwater utility. The official Stormwater webpage includes general information about the utility, annual reporting, applicable weblinks to Ecology's website, and the City's Standards. The Stormwater Hotline is also available if the public is having problems with road drainage, blocked storm drains, property or basement flooding, or to report illicit discharges to the City's stormwater system. See below for the Stormwater Hotline and City website:

- Stormwater Hotline: 509-543-5777
- https://www.pasco-wa.gov/846/Stormwater

### **Public Comment Period for 2021 SWMPP Update**

In order to create opportunities for the public, including overburdened communities, to provide input during the decision-making processes involving the development, implementation, and update of this SWMPP, a public comment period will be implemented. A draft copy of the 2021 SWMPP update will be made available on the City's website for a public comment period through April 30, 2021. A final version of the SWMPP will be made available in May on the City's website.

In 2021, the existing program for Public Involvement and Participation will continue in accordance with S5.B.2 of the 2019-2024 Permit.

### 3.3 Illicit Discharge Detection and Elimination

### 3.3.1 Permit Requirements (S5.B.3)

Each Permittee shall implement and enforce a program designed to prevent, detect, characterize, trace, and eliminate illicit connections and illicit discharges into the MS4.

The table below outlines the minimum performance measures for illicit discharge detection and elimination:

### Table 3-3

<u>S5.B.3.a</u>	Each Permittee shall continue to maintain and periodically update a map of the MS4. Update maps, if necessary, to meet the requirement of this Section no later than August 1, 2023. At a minimum, the maps shall include information as described in S5.B.3.a of the permit.
<u>S5.B.3.b</u>	Each Permittee shall effectively prohibit, through ordinance or other regulatory mechanism, non-stormwater discharges into the MS4. Each Permittee shall implement an ordinance or other regulatory mechanism that prohibits illicit discharges and authorizes enforcement actions, including on private property, as described in S5.B.3.b of the permit.
<u>S5.B.3.c</u>	Each Permittee shall implement an ongoing program designed to detect and identify illicit discharges and illicit connections into the Permittee's MS4, as described in S5.B.3.c of the permit.
<u>S5.B.3.d</u>	Permittees shall implement an ongoing program designed to address illicit discharges, including spills, and illicit connections into the MS4. The program shall include elements described in S5.B.3.d of the permit.
<u>S5.B.3.e</u>	Permittees shall train staff who are responsible for identification, investigation, termination, cleanup, and reporting of illicit discharges, including spills, and illicit connections to conduct these activities. Follow-up training shall be provided, as needed, to address changes in procedures, techniques, requirements, or staff. Permittees shall document and maintain records of the training provided and the staff trained.
<u>S5.B.3.f</u>	Each Permittee shall track and maintain records of the activities conducted to meet the requirements of this Section. In the Annual Report, each Permittee shall submit data for the illicit discharges, spills, and illicit connections including those that were found by, reported to, or investigated by the Permittee during the previous calendar year. The data shall include the information specified in Appendix 7 and WQWebIDDE. Each Permittee may either use their own system or WQWebIDDE for recording this data. Final submittals shall follow the instructions, timelines, and format as described in Appendix 7.

### 3.3.2 Implementation of S5.B.3 in 2021

**Existing MS4 Map**: The City continues to maintain and periodically update a map of the MS4 (see Figure 1 below) through ArcGIS, which is a geographic information system (GIS) using maps to compile the City's utility



Figure 1 - Current ArcGIS Map of City's MS4

infrastructure. Known information for the City's MS4 that is compiled in ArcGIS includes outfalls and discharge points (including size and material where known), receiving waters, and connections between the MS4 owned and operated by the City. The City's map is capable of showing other information required by the Permit, such as areas served by the MS4 that discharge to ground (e.g., basins), private connections to the MS4 authorized by the City or

connections from the MS4 to a privately owned stormwater system, and connections between MS4 owned and operated by the City and Franklin County. Basins are anticipated to be included in the map as part of the update to the City's CSMP. Connections described above, if identified, will also be included as part of the update.

**IDDE Program**: The City has an Illicit Discharge Detection and Elimination (IDDE) program in place to detect, identify, address and eliminate illicit discharges, including spills, and connections to the City's MS4. This program is a collaborative effort of City staff between multiple departments. Additionally, the general public plays a vital role in this program by use of the Stormwater Hotline. This line of communication allows the City to provide a timely response and investigation into illicit discharges, including spills, as well as illicit connections. PMC Chapter 13.80 (prior code 13.60) outlines the City's stormwater utility authority for illicit discharge detection and elimination, construction and post-construction responsibilities, rates and charges, and administrative enforcement procedures.

When the City is notified of a potential illicit discharge, the Code Enforcement Division tracks the incident by use of computer-based software called TRAKIT, which is directly linked to the City's GIS database and provides a workflow management system for effectively capturing data related to code enforcement, inspections, permitting, and planning. The incident is verified by a Code Enforcement Officer, who is assigned to implement correction and enforcement actions, and document the incident for historical purposes.

**Staff Training:** As part of the IDDE program, annual training is provided to City staff who are responsible for identification, investigation, termination, cleanup, and reporting of illicit discharges, including spills, and illicit connections. The annual training includes videos, discussion, and a self-assessment test. Sign-in sheets and tests are filed for maintaining records. Additionally, the City ensures that site plan review and inspections are conducted by a Certified Erosion and Sediment Control Lead (CESCL).

**Actions**: The City anticipates that a future amendment to its Comprehensive Stormwater Management Plant will help collect more information needed to meet the MS4 map requirements of S5.B.3.a by **August 1, 2023**. This includes identifying fully described mapping standards, updating all outfall pipe information (i.e., size and material where known), and showing stormwater basins that discharge to the ground.

Additionally, the City plans to revise Pasco Municipal Code (PMC) Chapter 13.80 to effectively prohibit non-stormwater discharges into the MS4. The revision will address updated definitions for discharge types (e.g., Allowable, Conditionally Allowable, Prohibited), escalation of enforcement procedures and actions (e.g., fines and penalties for public/private property), and identify discharge types that are considered to be a significant source of pollutants to waters of the State. Additionally, the City plans to develop an effective compliance strategy in accordance with S5.5.3.vi(a) and (b). To meet the requirements of the Permit, this revision of the PMC will be done by **February 2, 2023**.

In 2021, the City's existing program for Illicit Discharge Detection and Elimination will continue in accordance with S5.B.3 of the 2019-2024 Permit.

### 3.4 Construction Site Stormwater Runoff Control

### 3.4.1 Permit Requirements (S5.B.4)

All Permittees shall implement and enforce a program to reduce pollutants in any stormwater runoff to the MS4 from construction activities that disturb one acre or more, and from construction projects of less than one acre that are part of a larger common plan of development or sale. Public and private projects, including projects proposed by the Permittee's own departments and agencies, shall comply with these requirements. The Permittee shall implement an ongoing process for ensuring proper project review, inspection, and compliance by its own departments and agencies.

The table below outlines the minimum performance measures for construction site stormwater runoff control:

Table 3-4

<u>S5.B.4.a</u>	Permittees shall implement an ordinance or other regulatory mechanism to require erosion and sediment controls, and other construction-phase stormwater pollution controls at new development and redevelopment projects. The ordinance or other regulatory mechanism shall include sanctions to ensure compliance. The ordinance or other regulatory mechanism shall include provisions to review site plans and inspect sites with high potential for sediment transport prior to clearing or grading. The ordinance, or other enforceable mechanism to implement S5.B.4.a.i through S5.B.4.a.v of the permit, shall be adopted and effective no later than December 31, 2022.
<u>S5.B.4.b</u>	Permittees shall implement procedures for site plan review which incorporates consideration of potential water quality impacts, as described in S5.B.4.b of the permit.
<u>S5.B.4.c</u>	Permittees shall implement procedures for site inspection and enforcement of construction stormwater pollution control measures, as described in S5.B.4.c of the permit.
<u>S5.B.4.d</u>	Each Permittee shall ensure that all staff whose primary job duties are 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. Follow-up training shall be provided as needed to address changes in procedures, techniques, or staffing. Permittees shall document and maintain records of the training provided and the staff trained.
<u>S5.B.4.e</u>	Permittees shall provide information to construction site operators about training available on how to install and maintain effective erosion and sediment controls and how to comply with the requirements of Appendix 1 and apply the BMPs described in the Stormwater Management Manual for Eastern Washington, or another technical stormwater manual approved by Ecology.
<u>S5.B.4.f</u>	To comply with these provisions, Permittees shall keep records of all projects disturbing one acre or more, and all projects of any size that are part of a common plan of development or sale that is one acre or more, as described in S5.B.4.f of the permit.

### 3.4.2 Implementation of S5.B.4 in 2021

**Existing Procedures**: As outlined in PMC Chapter 13.80, Chapter 14.10, and Chapter 16.10, the City has adopted regulations to ensure construction site stormwater runoff is being controlled on both public and private projects. This includes the requirement of an approved storm water site plan, and erosion and sediment control plans, for any project subject to the Core Elements of the SWMMEW. When the threshold is met, a stormwater construction permit is required and must be applied for with the Department of Ecology (<a href="https://ecology.wa.gov/Regulations-Permits/Permits-certifications/Stormwater-general-permits/Construction-stormwater-permit">https://ecology.wa.gov/Regulations-Permits/Permits-certifications/Stormwater-general-permits/Construction-stormwater-permit</a>). City staff who perform plan review and inspections are trained in necessary erosion and sediment control measures and BMPs. Inspections include installation and maintenance of the required BMPs, where construction and post-construction activities are required to maintain BMPs for stormwater drainage facilities.

**Site Plan Review**: Through direction of the PW Director, work performed under a PW contract is managed by the CIP Manager. This work is designed by City engineering staff, or City hired engineering consultants, who are licensed in the State of Washington. Contrary to private development, CIP projects focus specifically on improvements to City owned facilities and infrastructure (e.g., water treatment, wastewater treatment, sewer, MS4, streets), where stormwater and drainage improvements are required to be planned, designed, permitted, constructed, and maintained in accordance with PMC 13.80. Since the type of work is unique for each CIP project, the associated plans and specifications may implement special provisions that differ from the City's Standards and provide more stringent measures for stormwater facilities/BMPs. All plans and specifications are reviewed by the CIP department, and in some cases require building permits where site plan review is further conducted by the CED department.

The City requires that private development (e.g., commercial, industrial, residential) is planned, designed, permitted, constructed, and maintained in accordance with the Stormwater Management Manual for Eastern Washington (SWMMEW) and the City's Standards. All plans for private development are required to be reviewed through the Community and Economic Development (CED) department. This process ensures the proposed work will implement BMPs and incorporates consideration of potential water quality impacts due to stormwater runoff at projects.

**Staff Training**: As discussed in Section 3.3.2 of this SWMPP, annual training is provided to City staff who are responsible for identification, investigation, termination, cleanup, and reporting of illicit discharges, including spills, and illicit connections. The annual training includes videos, discussion, and a self-assessment test. Sign-in sheets and tests are filed for maintaining records. Additionally, the City ensures that site plan review and inspections are conducted by a Certified Erosion and Sediment Control Lead (CESCL), where CESCL certifications are pursued and renewed on a regular basis by CED and PW staff.

**Inspections**: City inspectors conduct routine observations of construction sites, as well as inspect project elements and milestones during the work. Enforcement of construction stormwater pollution control measures is done through means of directives such as Stop Work or Correction Notices. Contractors, developers, and property owners also play a vital contributing role by ensuring all work performed in conformance with the SWMMEW, approved plans, specifications, and permits.

**Record Keeping**: The City keeps records of all projects disturbing one acre or more and all project of any size that are part of a common plan of development or sale that is one acre or more. This is accomplished by filing hardcopy records or use of computer-based software called TRAKiT, which is directly linked with the City's GIS database and provides a workflow management system for effectively capturing data related to code enforcement, inspections, permitting, and planning.

**Actions**: While the City's Standards and PMC adopt the SWMMEW by reference, the City will begin work towards developing an ordinance(s) to further address enforcement of erosion and sediment controls, and other construction-phase stormwater pollution controls at new development and redevelopment projects. In addition, the sanctions will be considered to ensure compliance and provisions to review and inspect sites with high potential for sediment transport prior to clearing and grading. These actions will be taken to meet Permit requirement S5.B.4.a, and S5.B.4.e by **December 31, 2022**.

The City also plans to develop strategies to publicize training opportunities available for construction site operators and design professionals on how to comply with the requirements and BMPs in the SWMMEW.

In 2021, the existing program for Construction Site Stormwater Runoff Control will continue in accordance with S5.B.4 of the 2019-2024 Permit.

### 3.5 Post-Construction Stormwater Management for New Development and Redevelopment

### 3.5.1 Permit Requirements (S5.B.5)

All Permittees shall implement and enforce a program to address post-construction stormwater runoff to the MS4 from new development and redevelopment projects that disturb one acre or more, and from projects of less than one acre that are part of a larger common plan of development or sale. The program shall ensure that controls to prevent or minimize water quality impacts are in place. Public and private projects, including projects proposed by the Permittee's own departments and agencies, shall comply with these requirements. The Permittee shall implement an ongoing process for ensuring proper project review, inspection, and compliance by its own departments and agencies.

The table below outlines the minimum performance measures for post-construction stormwater management for new development and redevelopment:

Table 3-5

Table 3-5	
<u>S5.B.5.a</u> <u>and</u> <u>S5.B.5.b</u>	No later than December 31, 2022, Permittees shall implement an ordinance or other regulatory mechanism that requires post-construction stormwater controls at new development and redevelopment projects. The ordinance or other regulatory mechanism shall include mechanisms to ensure compliance. The local program shall be adopted no later than December 31, 2022 to meet the requirements described in S5.B.5.b of the permit. The ordinance or other enforceable mechanism shall, at a minimum:
	Apply to new development and redevelopment sites that discharge to the MS4 and that disturb one acre or more or are less than one acre and are part of a larger common plan of development or sale.
	<ul> <li>Require project proponents and property owners to adhere to the minimum technical requirements in Appendix 1 of the permit, and shall include BMP selection, design, installation, operation, and maintenance standards necessary to protect water quality, reduce the discharge of pollutants to the MEP, and satisfy state AKART requirements.</li> </ul>
	<ul> <li>Include provisions for both construction-phase and post-construction access for Permittees to inspect stormwater BMPs on private properties that discharge to the MS4.</li> </ul>
	Include appropriate escalating enforcement procedures and actions.
	<ul> <li>Implement an enforcement strategy and the enforcement provisions of the ordinance or other regulator mechanisms.</li> </ul>
<u>S5.B.5.c</u>	Permittees shall implement procedures for site plan review which incorporate consideration of potential water quality impacts, as described in S5.B.5.c of the permit.
<u>S5.B.5.d</u>	Permittees shall implement procedures for site inspection and enforcement of post-construction stormwater control measures, as described in S5.B.5.d of the permit.
<u>S5.B.5.e</u>	Permittees shall provide adequate training for all staff involved in permitting, planning, review, inspection, and enforcement to carry out the provisions of this SWMP component.
<u>S5.B.5.f</u>	Permittees shall provide information to design professionals about training available on how to comply with the requirements of Appendix 1 of the permit and apply the BMPs described in the Stormwater Management Manual for Eastern Washington, or another technical stormwater manual approved by Ecology.
<u>S5.B.5.g</u>	To comply with these provisions, Permittees shall keep records of all projects disturbing one acre or more, and all projects of any size that are part of a common plan of development or sale that is one acre or more, as described in S5.B.5.g of the permit.

### 3.5.2 Implementation of S5.B.5 in 2021

**Site Plan Review**: For publicly funded projects, all plans and specifications are required to be reviewed by the CIP department, and in some cases require building permits where site plan review is further conducted by the CED department. The City also requires that plans for private development (e.g., commercial, industrial, residential) are reviewed through the Community and Economic Development (CED) department. This process ensures the proposed work will implement BMPs and incorporates consideration of potential water quality impacts due to stormwater runoff at projects.

**Inspections**: City inspectors conduct routine observations of construction sites, as well as inspect project elements and milestones during the work. Enforcement of construction stormwater pollution control measures is done through means of directives such as Stop Work or Correction Notices. Contractors, developers, and property owners also play a vital contributing role by ensuring all work performed in conformance with the SWMMEW, approved plans, specifications, and permits. The City provides available information to design professionals about available training opportunities on Permit compliance and the SWMMEW. This is typically done through communications that are coordinated between the Quad-Cities, during the plan review processes implemented by the CIP and CED departments, and periodic interactions the City has with design professionals.

**Staff Training**: As discussed in Section 3.3.2 and 3.4.2 of this SWMPP, annual training is provided to City staff who are responsible for identification, investigation, termination, cleanup, and reporting of illicit discharges, including spills, and illicit connections. The annual training includes videos, discussion, and a self-assessment test. Sign-in sheets and tests are filed for maintaining records. Additionally, the City ensures that site plan review and inspections are conducted by a Certified Erosion and Sediment Control Lead (CESCL), where CESCL certifications are pursued and renewed on a regular basis by CED and PW staff.

**Record Keeping**: The City keeps records of all projects disturbing one acre or more and all project of any size that are part of a common plan of development or sale that is one acre or more. This is accomplished by filing hardcopy records or use of computer-based software called TRAKiT, which is linked to the City's GIS database and provides a workflow management system for effectively capturing data related to code enforcement, inspections, permitting, and planning.

Actions: While the City's Standards and PMC adopt the SWMMEW by reference, the City will begin work towards developing an ordinance(s) to further address enforcement of erosion and sediment controls, and other post construction stormwater pollution controls at new development and redevelopment projects. In addition, the ordinance(s) will enforce requirements set forth in S5.B.5.b(i) through S5.B.5.b(v) of the Permit. The City intends to work towards completing this action by **December 31, 2022**.

The City also plans to develop strategies to publicize training opportunities available for construction site operators and design professionals on how to comply with the requirements and BMPs in the SWMMEW.

In 2021, the existing program for Construction Site Stormwater Runoff Control will continue in accordance with S5.B.5 of the 2019-2024 Permit.

### 3.6 Municipal Operations and Maintenance

### 3.6.1 Permit Requirements (S5.B.6)

Permittees shall implement an operation and maintenance program that includes a training component and has the ultimate goal of preventing or reducing pollutant runoff from municipal operations.

The table below outlines the minimum performance measures for municipal operations and maintenance:

Table :	3-6
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<u>S5.B.6.a</u>	Permittees shall implement a schedule of municipal Operation and Maintenance activities (an O&M Plan). Permittees shall review and, if needed, update the O&M Plan no later than December 31, 2022. The schedule shall include BMPs that, when applied to the municipal activity or facility, will protect water quality, reduce the discharge of pollutants to the MEP, and satisfy state AKART requirements.  The Stormwater Management Manual for Eastern Washington provides a selection of appropriate BMPs that meet these requirements for various types of facilities. Operation and maintenance standards in the O&M Plan shall be at least as protective as those included in the Stormwater Management Manual for Eastern Washington, or another technical stormwater manual approved by Ecology. Recordkeeping shall be done pursuant to the requirements in S9 – Reporting and Recordkeeping.  The O&M shall include elements as described in S5.B.6.a.i through S5.B.6.a.iii of the permit.
<u>S5.B.6.b</u>	Permittees shall provide training for all employees who have primary construction, operations, or maintenance job functions that are likely to impact stormwater quality. Training shall address the importance of protecting water quality, operation and maintenance requirements, relevant SWPPPs, inspection procedures, and ways to perform their job activities to prevent or minimize impacts to water quality. Follow-up training shall be provided, as needed, to address changes in procedures, methods or staffing.

### 3.6.2 <u>Implementation of S5.B.6 in 2021</u>

**O&M Plan**: The City currently implements a schedule of Operations and Maintenance, otherwise called an O&M Plan, that includes BMPs to protect water quality, reduce the discharge of pollutants to the MEP, and satisfy state AKART requirements. Standards in the O&M Plan are based on those included in the SWMMEW. The O&M Plan focuses on housekeeping of the following City assets:

- MS4, including regular inspections, cleaning, and street waste disposal.
- Roads, highways, and parking lots, including street cleaning, deicing, anti-icing and snow removal, snow disposal and runoff, material laydown areas, and all season BMPs.
- Vehicle Fleets, including storage, washing, maintenance, repair, and fueling.
- Municipal buildings, including cleaning, washing, painting, and other maintenance activities.
- Parks and open spaces, including fertilization, pesticides/herbicides, pet waste BMPs, sediment/erosion control, landscape maintenance and disposal BMPs, trash management, and BMPs for exterior building maintenance.

In general, the schedule of housekeeping activities is done through computer-based software called Cartegraph. This software is linked to the City's GIS database and provides a real-time workflow management system for managers and crews to effectively capture data related to the aforementioned housekeeping activities.

**Staff Training**: As discussed in Section 3.3.2, 3.4.2, and 3.5.2 of this SWMPP, annual training is provided to City staff who are responsible for identification, investigation, termination, cleanup, and reporting of illicit discharges, including spills, and illicit connections. The annual training includes videos, discussion, and a test. Sign-in sheets and tests are filed for maintaining records. Additionally, the City ensures that site plan review and inspections are conducted by a Certified Erosion and Sediment Control Lead (CESCL).

Actions: While the City's O&M Plan currently addresses BMPs to protect water quality, reduce the discharge of pollutants to the MEP, and satisfy state AKART requirements, a revision will be completed by **December 31, 2022** to update a Stormwater Pollution Prevention Plan (SWPP) and modify the schedule of MS4 inspections to align with S5.B.6 requirements. The City will revise its O&M Plan and evaluate implementing an alternative to the standard approach of inspecting catch basins every two years in accordance with S5.B.6.a.ii(b), and update the SWPPP in accordance with S5.B.6.a.ii(h).

### 3.7 Compliance with Total Maximum Daily Load Requirements

### 3.7.1 Permit Requirements (S7)

For applicable TMDLs listed in the Permit, Appendix 2, *Total Maximum Daily Load Requirements* (TMDL), affected Permittees shall comply with the specific requirements identified in Appendix 2.

The City does not currently have additional permit requirements based on applicable TMDLs in accordance with Special Condition S7 of the permit.

### 3.8 Reporting and Recordkeeping

### 3.8.1 Permit Requirements (S8)

The City will continue to participate in implementation of the Ecology-approved studies that were selected pursuant to Section S8.B in the 2014-2019 Permit. Yakima County is the lead entity for the BMP Inspection and Maintenance Responsibilities effectiveness study, which is currently being performed and will be completed by June 2021. To meet the permit requirements in S8.A.1.a, the City is participating in the study in the role of a reviewer and survey volunteer (see Attachment B).

The City will also continue to coordinate with the cities of Kennewick, Richland, and West Richland by participating in a Quad-Cities effectiveness study. In accordance with the schedule outlined in S8.2, the scope of the Quad-Cities effectiveness study will be submitted to Ecology by June 30, 2021, followed by a detailed study design proposal by September 30, 2022, a completed Ecology-approved Quality Assurance Project Plan (QAPP) by July 31, 2023, and then conduct the study on or before December 1, 2023. The agreement between the Quad-Cities will be documented in a forthcoming G19, Certification and Signature for Stormwater Management Program Effectiveness Studies.

### Attachment A 2020 Education Reports

### Franklin Conservation District Education Report Drain Rangers, Jr. Drain Rangers and Wheat Week January – March 2020

Jr. Drain Rangers	# Students	# Teachers	# of Lessons
Kennewick	88	5	4
Cottonwood Elementary	88	5	4
Pasco	435	24	18
Maya Angelo Elementary	75	3	3
Rowena Chess Elementary	40	2	2
Whittier Elementary	186	14	8
McClintock Elementary	134	5	5
Richland	302	36	15
Jefferson Elementary	85	12	5
Orchard Elementary	124	8	5
Marcus Whitman Elementary	93	16	5
West Richland	102	6	5
William Wiley Elementary	102	6	5
Grand Total	927	71	42

Drain Rangers	# Students	# Teachers	# of Lessons
Kennewick	109	6	4
Cascade Elementary	109	6	4
Pasco	96	5	4
Mark Twain Elementary	96	5	4
Grand Total	205	11	8

Wheat Week	# Students	# Teachers	# Weeks
Pasco	283	12	3
Marie Curie Elementary	127	5	1
Ruth Livingston Elementary	85	3	1
Three Rivers Elementary	71	4	1
Richland	257	17	2
Lewis and Clark Elementary	116	8	1
White Bluffs Elementary	141	9	1
Grand Total	540	29	5

Total Drain Ranger, Jr. Drain Ranger & Wheat Week in the Quad Cities
(January – March 2020)

Students = 1,672

Teachers = 111

### Franklin Conservation District Education Report Drain Rangers, Jr. Drain Rangers and Wheat Week September – December 2020

Jr. Drain Rangers	# Students	# Teachers
Kennewick	110	6
Amistad Elementary	110	6
Pasco	246	15
Columbia River Elementary	80	4
Maya Angelou Elementary	111	5
Whittier Elementary	135	6
Richland	225	8
Jefferson Elementary	90	4
Lewis and Clark Elementary	55	4
Grand Total	581	29

Wheat Week	# Students	# Teachers
Kennewick	45	2
Hawthorn Elementary	23	1
Bethlehem Lutheran School	22	1
Pasco	208	9
Emerson Elementary	100	4
Rowena Chess Elementary	75	3
Kingspoint Christian School	11	1
St. Patrick's Catholic School	22	1
Richland	202	9
Ridgeview Elementary	120	5
Sacajawea Elementary	82	4
Richland	65	3
Richland Virtual School	65	3
West Richland	91	4
William Wiley Elementary	91	4
Grand Total	611	27

### **Drain Rangers Teacher Workshops held virtually:**

November 18, 2020 - 3 Teachers

Total Drain Ranger, Jr. Drain Ranger & Wheat Week in the Quad Cities (September – December 2020)

Students = 1,192

Teachers - 59

### **Attachment B**

**G19 Certification and Signature (Yakima County)** 



### Public Services

128 North Second Street • Fourth Floor Courthouse • Yakima, Washington 98901 (509) 574-2300 • 1-800-572-7354 • FAX (509) 574-2301 • www.co.yakima.wa.us

LISA H. FREUND - Director

September 14, 2020

Andrea Jedel WA State Department of Ecology Central Regional Office 1250 Alder St Union Gap, WA 98903

RE: Stormwater Management Program Effectiveness Studies Eastern Washington Phase II Municipal Stormwater Permit Section/Paragraph: S1.D.3.c and S8.A.1.a

Dear Ms. Jedel:

Yakima County (Permit No. WAR04-6014) is the lead entity for the BMP Inspection and Maintenance Responsibilities effectiveness study, which is currently being performed and will be completed June 2021. The City of Pasco (Permit No. WAR04-6503) is participating in the study and is relying on Yakima County to meet the permit obligations in S8.A.1.a. Please accept this letter as documentation of the permit obligations carried out by Yakima County and The City of Pasco's participation in the BMP Inspection and Maintenance Responsibilities effectiveness study.

If you have any questions with regards to this submittal, please feel free to contact Katie Otañez at 509-574-2397 or via email at katie.otanez@co.yakima.wa.us.

Best Regards.

Katie Otañez

Natural Resource Specialist-Water Resources

Yakima County

Cc: Amanda Mars, WA State Department of Ecology, Eastern Regional Office

Yakima County ensures full compliance with Title VI of the Civil Rights Act of 1964 by prohibiting discrimination against any person on the basis of race, color, national origin, or sex in the provision of benefits and services resulting from its federally assisted programs and activities. For questions regarding Yakima County's Title VI Program, you may contact the Title VI Coordinator at 569-574-2300.

If this letter pertains to a meeting and you need special accommodations, please call us at 509-574-2360 by 10:00 a.m. three days prior to the meeting. For TDD users, please use the State's toll-free relay service 1-800-833-6388 and ask the operator to dual 509-574-2300.

### Yakima County

G19 Certification and Signature for Stormwater Management Program Effectiveness Studies, Eastern Washington Phase II Municipal Stormwater Permit, Section/Paragraph: S8.1.A.1

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 gathered and evaluated 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 willful violations.

Katie Otanez, Natural Resource Specialist

9/15/2020

### City of Pasco

G19 Certification and Signature for Stormwater Management Program Effectiveness Studies, Eastern Washington Phase II Municipal Stormwater Permit, Section/Paragraph: S8.1.A.1

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 gathered and evaluated 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 willful violations.

Maria Serra, CIP Manager

9 | 16 | 2020 Date

### **Attachment C**

**Public Education and Outreach Materials** 



### SÓLO LA LLUVIA POR EL DESAGÜE

La protección del agua de nuestras ciudades de cosas como los coches con fugas de aceite , fertilizantes de las granjas y hogares, excrementos de perro, incluso tanques sépticos deficientes. Todas estas fuentes se suman a un gran problema de contaminación. Pero cada uno de nosotros podemos hacer cosas pequeñas para ayudar a limpiar el agua también.

## Ser la solución contaminación!

# Para informar de descarga ilegal o dumping llame:

Kennewick: 509-585-4419 Pasco: 509-543-5777 Richland: 509-942-7480 West Richland: 509-967-5434





Read the label. Follow the instructions.

Many people use fertilizers, weed killers, and pesticides to enhance their yards and gardens. If you use too much of these products or apply them at the wrong time, runoff can easily carry them from your lawn or garden into storm drains and ditches. From there they can end up in lakes, streams, rivers and marine waters.

Like in the garden, fertilizer in lakes and rivers makes plants grow.

But too much algae and other aquatic plant growth can make
boating, fishing and swimming unpleasant. What's more, as the algae
and other plants decay, they use up the oxygen in the water that fish
and other aquatic life need.

# Lea la etiqueta. Siga las instrucciones.

Muchas personas usan fertilizantes, herbicidas y pesticidas para mejorar sus patios y jardines. Si utiliza demasiada cantidad de estos productos o los aplica en el momento equivocado, la escorrentia puede llevarlos fácilmente de su césped o jardin a las alcantarillas y zanjas. Desde allí puede terminar en lagos, arroyos, ríos y aguas marinas.

Al igual que en el jardín, fertilizantes en lagos y ríos bacen que las plantas crexcan. Pero el exceso de algas y crecimiento de otras plantas acuáticas pueden bacer paseos en bote, pesca y natación desagradable. Lo que es más, a medida que las algas y otras plantas se descomponen, utilizan el oxígeno en el agua que los peces y otra vida acuática necestran.



# ONLY RAIN DOWN THE DRAIN!

Protect our cities' water from things like cars leaking oil, fertilizers from farms and homes, dog waste, even failing septic tanks. All these sources add up to a big pollution problem. But each of us can do small things to help clean up our water too.

## Be the pollution solution?

# To report illegal discharge or dumping call:

Kennewick: 509-585-4419
Pasco: 509-543-5777
Richland: 509-942-7480
West Richland: 509-967-5434





# Scoop the poop! Bag it. Trash it.

Dog poop is more than just an icky nuisance. It's a health risk to dogs and people, especially children. It's full of bacteria that can make people sick. And it's a source of water pollution.

Bacteria from dog poop threatens drinking water for both people and livestock and can end up in shellfish. Nutrients from dog poop can also feed the growth of aquatic plants and algae. As these decay, they use up oxygen in the water that fish and other aquatic life need.

Pick up after your dog in your yard every few days— more often if you have small children who play there.

### Recoja los excrementos de perrol Embólselos. Bótelos a la basura.

Los exercmentos de perro son algo más que una moiestia repulsiva. Es un riesgo para la salud de los perros y personas, especialmente niños. Están llenos de bacterias que pueden causar enfermedades. Y son una fuente de contaminación del agua.

Las bacterias de los excrementos de perro ponen en pelígro el agua potable para las personas y el ganado y pueden terminar en los mariscos. Los nutrientes delos excremento de perro también pueden alimentar el crecimiento de las plantas acuáticas y algas. A medida que estas se descomponen, utilizan el exígeno en el agua que los peces y otra vida acuática necesitan.

Recoja los desechos de su perro en su patio cada pocos días- más a menudo si usted tiene miños pequeños que juegan all£.



Check for leaks. Recycle used motor oil.

What's the problem with motor oul? Oil does not dissolve in water, it lasts a long time and sticks to everything from beach sand to bird feathers. Oil and other petroleum products are toxic to people, wildlife, and plants. One pint of spilled oil in the water can make a slick larger than a football field.

Oil that leaks from our cars onto roads and driveways is washed into storm drains, and then flows directly to a lake or stream. Used motos oil is the largest single source of oil pollution in our lakes, streams

Americans improperly dispose of 200 million gallons of used oil each year and a sizeable portion reaches our waters.

# Revise si fiene fugas. Recicle el aceite del motor usado.

¿Cuâl es el problema con el aceite de motor? El aceite no se disuelve en agua. Dura mucho tiempo y se pega a todo, desde la arena de la playa a las plumas de las aves. Aceite y otros productos derivados del petróleo son tóxicos para las personas, la fauna y la flora. Un litro de aceite derramado en el agua puede causar una mancha más grande que un campo de fútbol.

El aceite que se escapa de nuestros vehículos en las carreteras y caminos de entrada se escurre a las alcantarillas, y luego fluye directamente a lagos o arroyos. El Aceite de motor usado es la mayor fuente de contaminación por hidrocarburos en nuestros lagos, arroyos y ríos.

Los estadounidenses descarran incorrectamente 200 millones de galones de aceite usado cada año y una parte considerable llega a nuestras aguas.



Don't leave a sheen. Prevent drips, spills, and overfills.

Many bnaters may not be aware they've spilled fuel. Unless you take precautions, drips can end up in the water when fuel back-splashes out of the tank, when it discharges out of the went from over-filling or expansion, or when it drips off the nozzle.

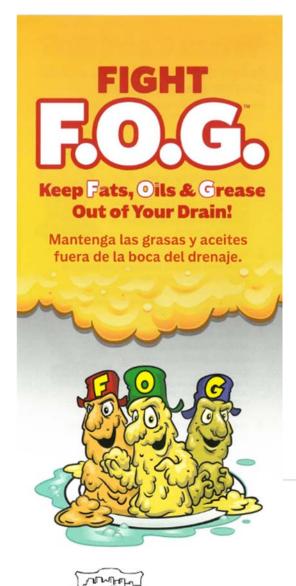
It can kill fish and other aquatic life, and can cause longterm damage to the surrounding habitat. What will you do to help? Know how much fuel your tanks thold. Fill only to 90% capacity to leave room for expansion, especially during warm weather. Don't top off your tanks.

# No deje manchas de aceite. Evite goteos, derrames y desbordes.

Muchos navegantes pueden no ser conscientes de que han derramado combustible. A menos que tome precauciones, goteos pueden terminar en el agua cuando el combustible salpica fuera del tanque, cuando se derrama el combustible por la ventifación debido a desbordes o por expansión, o cuando gotea de la boquilla.

Puede matar peces y otros organismos acuáticos, y puede causar daños a largo plazo al hábitat circundante. ¿Qué vas a hacer para ayudar? Sepa cuánto combustible cabe en sus tanques. Lêne sus tanques sófo al 90% de su capacidad para dejar espacio para la expansión, sobre todo durante el verano. No colne sus tanques.





P.O. Box 293 Pasco, WA 99301

509-545-3463

### What Can I Do?

### Follow these simple steps to help prevent sewer backups:

Siga estos pasos para ayudar a evitar cañerías obstruidas y derrames de las alcantarillas:

Pour cold fats, oils and grease into a covered, disposable container and throw it into your garbage. Never pour fats, oil, or grease down sink drains or toilet. Coloque las grasas y los aceites frios en un recipiente desechable con tapa y tirelo a la basura. Nunca tire las grasas en los



Soak up spilled oils and grease with an absorbent material such as paper towels or kitty litter and throw into your garbage.

Absorba las grasas y los aceites restantes con un material absorbente como servilletas de papel o arena sanitaria y tírelos en la basuro.

Before you wash dishes, scrape food scraps, fats, oils and grease into your garbage.

desagües de su casa.



Antes de lavar los platos, tire los restos de alimentos, grasas y aceites en la basura.

Use sink strainers to catch any remaining food waste while washing dishes.

Utilice coladores para fregaderos al lavar los platos para atrapar los restos de comida.

For more information, contact the City of Pasco F.O.G. Squad **509-545-3463** (Sewer Collections) or www.pasco-wa.gov



PREVENTION, REDUCTION AND ELIMINATION OF FATS, OILS AND GREASE

G 2016 Substreet Design Agency, Inc. All Rights Reserved Orizinal Bustrations developed in conjunction with the City of Bollevus