

Pasco Stormwater Management Program (SWMP) 2010

The City of Pasco is required to develop and implement a Stormwater Management Program (SWMP) as set forth in the Eastern Washington Phase II Municipal Stormwater General Permit. The SWMP is a set of actions and activities comprising the components listed in S5.B. of the General Permit. The SWMP also “shall be designed to reduce the discharge of pollutants from the regulated small Municipal Separate Storm Sewer Systems (MS4) to the Maximum Extent Practicable (MEP), to satisfy the state requirement under Chapter 90.48 RCW to apply All Known, Available, and Reasonable methods of prevention, control and Treatment (AKART) prior to discharge, and to protect water quality”.

Pasco’s SWMP is organized and documented according to the NPDES Permit program components listed in S5.B.1 through S5.B.6 below:

- 1) Public Education and Outreach
- 2) Public Involvement and Participation
- 3) Illicit Discharge Detection and Elimination
- 4) Construction Site Stormwater Runoff Control
- 5) Post-Construction Stormwater Management for New Development and Redevelopment
- 6) Pollution Prevention and Good Housekeeping for Municipal Operations

The following is a description of the actions and activities taken to date, and scheduled future activities, in each of the six program components listed above:

1) Public Education and Outreach

The City of Pasco has been in the process of implementing a public education and outreach program for a number of years prior to issuance of this Permit. Educational material continues to be distributed to the general public and businesses regarding the impacts of stormwater discharges to water bodies and the steps the public can take to reduce pollutants in stormwater as part of the City’s ongoing public education program. Examples include an article in the Pasco Pulse (a quarterly newsletter included in the utility billing statements). Another example would be when the City of Pasco worked with the City of Kennewick, the City of Richland, and the City of West Richland in putting on a Workshop on Illicit Discharge Ordinances for Contractors, Developers and Consultants in January 2009. The four Cities partnered to provide educational material the Home and Garden Show in February 2009. The four Cities also worked together in manning a booth at the Benton – Franklin County Fair providing information on stormwater pollution prevention in August 2009.

Information for engineers, construction contractors, developers, development review staff, and land use planners regarding technical standards, development of stormwater site plans and erosion control plans, and stormwater Best Management Practices (BMPs), is provided by the City as part of pre-development handouts. These handouts give the requirements for land use development of subdivisions and development of commercial building sites. These Commercial Development Review Process handouts are given out as a part of the Building Permit process.

2) Public Involvement and Participation

The City provides opportunities for the public to participate and be involved with stormwater utility issues such as developing utility rates, adoption of required ordinances and regulations. The City also holds Pasco City Council meetings, normally twice per month. Every meeting has on the agenda with a specific time period set aside for public comment. The City Council provides an opportunity for the citizens to comment on issues such as new ordinances being proposed, and City programs such as the SWMP.

The City has its own website that it maintains. One part of the website identifies City Government then lists all of the City's individual departments. By clicking on the Public Works Department you will find the latest version of the SWMP posted on the web site. This makes the SWM available to the public.

3) Illicit Discharge Detection and Elimination

The City is developing a map of the city showing the stormwater system. The map will show all known outfalls to the Columbia River. The map will be in an electronic format and the map will be updated periodically. An electronic format of the map will be posted on the City's web page when completed.

The City has adopted ordinances that prohibit non-stormwater discharges to the Municipal Separate Storm Sewer System (MS4). The Municipal Code was reviewed and changed by adoption of Ordinance No. 3835 in 2009.

The City has no known non-stormwater discharges to the MS4. The City does have a process for Code Enforcement that will be utilized if any connections are detected. There were no stormwater cases in the Code Enforcement process in 2009. The City will have a fully implemented program and meet all other requirements of S5.B.3 in accordance with the dates stated in the Permit.

4) Construction Site Stormwater Runoff Control

The Pasco Municipal Code 13.60.130 is titled "Storm Water Construction Permit Required." This Code says a Storm Water Construction Permit shall be issued prior to construction of any structure, grading or improvement upon real property located within any critical areas as designated in the City's Comprehensive Land Use Plan or within 200 feet of the high water mark of the Columbia River. Construction of any structure, grading or improvement upon real property not located within the critical areas or within 200 feet of the high water mark of the Columbia River, may not require submission of a Storm Water Plan or the issuance of a Storm Water Construction Permit. The Ordinance that created this Code was written after a report was done by HDR Engineering, Inc. in August 2001 called "Stormwater Pre-Approved Areas." The NPDES Permit's section on Construction Site Stormwater Runoff Control states that the Permittees shall develop, implement and enforce a program to reduce pollutants in any "stormwater runoff to the MS4." The City of Pasco has two parts of the Municipal Code that requires that stormwater is to be retained on site. The first Code is 16.05.050 titled Drainage Requirements that says, "An impervious surface improvement shall be designed to drain, confine and/or impound storm water or site-generated water within the private property upon which the improvement is to be located." The second Code is 25.74.070 titled Site Drainage that says, "All storm drainage shall be retained on site and controlled by way of drainage swales, dry-wells, French drains or other means as approved by the City Engineer." These Codes apply to all properties that are developed for subdivision or commercial purposes. Because stormwater is to be retained on site, there is not any "stormwater runoff to the MS4." Therefore the City of Pasco is in compliance with the Construction requirements of the Permit.

The City will 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 (2004)*. A contractor / Developer Workshop was held in January 2009. The Workshop was sponsored by the City of Pasco, the City of Kennewick, the City of Richland, the City of West Richland, the Home Builders Association of Tri-Cities, and the Department of Ecology. The Workshop included an exhibit of erosion and sediment control devices along with installation instructions and how to maintain them.

5) Post-Construction Stormwater Management for New Development and Redevelopment that Discharges to the MS4

The NPDES Permits section on Post-Construction Stormwater Management for New Development and Redevelopment states, "All Permittees shall develop, implement and enforce a program to address post-construction stormwater runoff *to the MS4*." The City of Pasco has two parts of the Municipal Code that requires that stormwater is to be retained on site. The first part is the Impervious Surfaces

section of the Buildings and Construction title of the Pasco Municipal Code includes 16.05.050 Drainage Requirements. This section says, "An impervious surface improvement shall be designed to drain, confine and/of impound storm water or site-generated water within the private property upon which the improvement is located." The second part is the Site Design Standards section of the Zoning title of the Pasco Municipal Code includes 25.74.070 Site Drainage. This section says, "All storm drainage shall be retained on site." These section shows that the existing Code does not allow discharge to the MS4. Therefore the City of Pasco is in compliance with the Post-Construction requirements of the Permit.

Chapter 11.02 Violations and Procedures of the Civil Infractions title of the Pasco Municipal Code sets the procedures "to enforce the regulations of the City of Pasco." This procedure includes hearing before the Code Enforcement Board and escalating monetary penalties for continued violation of the Code.

The City has provided information to design professionals about the requirement to retain stormwater on site as required in the existing Pasco Municipal Code. The City will provide information to design professionals about training available on the requirements of Appendix 1 of the NPDES Permit and how to apply the BMP's described in the Stormwater Management Manual for Eastern Washington (2004), as the information is provided to the City.

6) Pollution Prevention and Good Housekeeping for Municipal Operations

The City will develop and implement a schedule of municipal Operation and Maintenance activities (an O&M Plan) by February 16, 2011. The schedule will 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 City will provide training, and other applicable training, of the O&M Plan on an ongoing basis for all employees who have primary construction, operations, or maintenance job functions that are likely to impact stormwater quality.