



## Designing a Program for our Local Climate and Conditions

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### How to Stay Informed

Visit the project web site at [www.ecy.wa.gov/programs/wq/stormwater](http://www.ecy.wa.gov/programs/wq/stormwater), click on Eastern Washington Stormwater News. To be added to the project mailing list, contact Sarah Hubbard-Gray at (509) 465-9410 or [shgray@qwest.net](mailto:shgray@qwest.net). If you have questions about the project, or would like to request a presentation at a community/association meeting, call Ross Dunfee, Steering Committee Chair at (509) 786-5611, or Karen Dinicola, Ecology Project Manager at (360) 407-6550.

## October 2002 Public Workshops Planned

### Learn about recommended stormwater programs and technical standards for Eastern Washington and share your comments

Many Eastern Washington jurisdictions are currently dealing with stormwater issues and will need to comply with new National Pollutant Discharge Elimination System (NPDES) Phase II stormwater permit requirements, which become effective in March 2003. These new Federal Clean Water Act regulations relate to water quality and will require permits to be issued to smaller urbanized municipalities and construction sites disturbing between one and five acres.

Eastern Washington communities and other stakeholders are currently working with the Washington State Department of Ecology on a project to develop a Stormwater Management Manual and a Model Municipal Stormwater Program (Model Program) designed specifically for the Eastern Washington climate, soils, and conditions. The intent of these documents is to help communities manage their stormwater, and help regulated communities comply with the new permit requirements. The project Steering Committee and subcommittees have been meeting regularly since November 2001. The first drafts of the stormwater manual and model program are now available for public review and comment.

Be sure to attend one of the October meetings, whichever location and time works best for you, to learn about the elements of both the Model Program and the technical Stormwater Management Manual. The Steering Committee, subcommittees, and project team want to hear your comments, insights and concerns

regarding these draft documents and the associated requirements and guidelines (see articles on pages 2 and 3). An opportunity to ask questions and provide comments will follow a staff presentation. YOUR COMMENTS ARE IMPORTANT!!!

#### Public Workshops on Eastern Washington Stormwater Draft Stormwater Management Manual and Model Municipal Program

##### Spokane

**Monday, October 14, 2002**

Spokane Regional Health District, Auditorium  
1101 W. College Ave.  
4:00 to 6:00 pm and 6:30 to 8:30 pm

##### Wenatchee

**Tuesday, October 15, 2002**

Wenatchee Valley Senior Center, Card Room  
1312 Maple Street  
4:00 to 6:00 pm and 6:30 to 8:30 pm

##### Yakima

**Wednesday, October 16, 2002**

Selah Civic Center, Main Hall  
261 South First  
4:00 to 6:00 pm and 6:30 to 8:30 pm

##### Tri-Cities

**Thursday, October 17, 2002**

Benton County PUD Building, Auditorium  
2721 W. 10th Avenue, Kennewick  
4:00 to 6:00 pm and 6:30 to 8:30 pm

# Draft Model Municipal Stormwater Program Recommendations

Learn about the proposed model municipal program and share your comments

Under the new Phase II NPDES Stormwater regulations, over 20 municipalities in Eastern Washington may need municipal stormwater permits. Ecology will issue the permits and permit holders must submit a Phase II stormwater plan to Ecology. In early 2003, it is anticipated that the regulated jurisdictions will notify Ecology regarding their understanding that a permit will be issued to them and that they will be developing a stormwater plan as part of their permit requirements.

A Model Municipal Stormwater Program is being developed to help Eastern Washington communities reduce pollutants discharged to surface waters. The Model Program Subcommittee has been working with Ecology staff and a consultant team since November 2001 to develop the program. An initial public review draft of the Model Municipal Stormwater Program (Model Program) is now available for review. The draft Model Program provides guidance, options, and resources that municipal governments can use to develop their local stormwater programs. Some of the requirements in the draft Model Program that permitted municipalities would need to implement include:

- **Public Education and Outreach**  
Develop and implement a stormwater education and outreach strategy that focuses on target audiences and addresses the hazards associated with illicit discharges and improper disposal of waste. Examples of public education and outreach activities that can be included in the strategy are provided in the draft Model Program.
- **Public Participation/Involvement**  
Hold public meetings to solicit feedback on the municipal stormwater program.
- **Illicit Discharge Detection and Elimination**  
After developing a map of storm drain outfalls, adopt an ordinance, if necessary, to prohibit illegal discharge and dumping to the storm drain system. The municipality will also develop plans to address illegal discharges, spills and enforcement of the new ordinance.
- **Construction Site Runoff Control**  
For all construction sites that disturb at least one acre, review construction plans to ensure that they include appropriate erosion and sediment controls. Train staff and inspect construction sites to ensure they are complying with the requirements.
- **Post-construction Stormwater Management in New Development and Redevelopment**  
For all construction sites that disturb at least one acre, review construction plans to ensure that they include practices to control stormwater after the project is completed. Train staff and inspect post-construction controls to ensure that they are designed and maintained effectively.
- **Pollution Prevention and Good Housekeeping of Municipal Operations**  
Develop a plan to ensure that all municipal operations and activities are performed using pollution prevention techniques. This could include cleaning catch basins periodically, preventing vehicle wash-water from entering storm drains, and training staff on proper measures to take to protect surface water quality.

Copies of the draft Model Program are now available for review and comment; details are provided on pages 2 and 3. In addition, to the Model Program, a technical Stormwater Management Manual is being developed (see article on page 3). Comments received will be considered by Ecology and the project Steering Committee and subcommittee members as the draft documents are revised.

## Draft Documents Available For Public Review

How to obtain the documents and provide comments

Copies of the draft Stormwater Management Manual and Model Program documents can be obtained in the following ways:

- **Internet** - The draft documents can be downloaded from Ecology's project web page, go to <http://www.ecy.wa.gov/programs/wq/stormwater>, follow link to Eastern Washington Stormwater News.
- **Washington State Department of Printing** - Printed copies

of the documents can be purchased from the Department of Printing. If you have a credit card, you can order printed copies on the Internet at <https://wws2.wa.gov/prt/printwa/wspri/default.asp>. You can also use this Internet site to get price information and then send a check or money order payable to "Department of Printing" at the following address: Department of Printing, P.O. Box 798, Olympia, WA 98507-0798. Make sure you include your name, mailing address,

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# Draft Stormwater Management Manual for Eastern Washington

Learn about the proposed standards for managing stormwater and share your comments

The NPDES Phase II stormwater regulations will require regulated municipalities to develop stormwater programs to protect surface water quality (see article on Page 2). These stormwater management programs must include application of design principles and construction techniques for new development and redevelopment. In tandem with the development of a model municipal stormwater program, Eastern Washington representatives have been working with the Department of Ecology to develop a technical Stormwater Management Manual with specific standards and guidance for new development and redevelopment that are tailored to the climate, geology, and local variations of Eastern Washington.

It is anticipated that the Department of Ecology will issue permits that require regulated NPDES Phase II municipalities in Eastern Washington to implement portions of this technical manual, or an equivalent manual. The Stormwater Manual Subcommittee has been working with Ecology staff and a consultant team since November 2001 to develop the document. An initial public review draft of the Stormwater Management Manual for Eastern Washington is now available for review. It is organized in the following major chapters:

- **Introduction, Use of Manual, Regulatory Overview**
- **Core Elements for New Development and Redevelopment**
- **Preparation of Stormwater Site Plans**
- **Hydrologic Analysis and Design**
- **Detention and Infiltration Design**
- **Water Quality Facility Design**
- **Construction Stormwater Pollution Prevention**
- **Source Control of Pollution**

The draft stormwater technical manual:

- Identifies projects that must implement runoff treatment or flow control to minimize harm to water quality.
- Provides a toolbox of stormwater best management practices (BMPs), and includes technical guidance for designing the BMPs.
- Provides guidelines for developing stormwater site plans and pollution prevention plans, preserving natural drainage systems, and providing operations and maintenance.
- Describes how long duration winter storms could be used to size water quality and detention facilities to make sure adequate storage is provided.

- Describes how short duration summer storms could be used to make sure pipes and treatment facilities are large enough to carry the anticipated peak flows.
- Includes guidance for designing detention ponds, bioinfiltration swales, infiltration basins, evaporation ponds, and oil/water separators.
- Includes guidelines for incorporating stormwater pollution prevention elements into construction projects.
- Includes information and techniques that can be incorporated into site designs to keep potential pollutants out of stormwater systems.

In addition, the draft Stormwater Management Manual highlights several key issues that are unresolved and are awaiting further evaluation, regulatory decisions, or additional public and technical comments. Copies of the draft manual are now available for review and comment; details are provided on Pages 2 and 3. Comments received will be considered by Ecology and the project Steering Committee and subcommittee members as the draft manual is revised.

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phone number, and the name of the publication (Eastern Washington Stormwater Management Manual or Eastern Washington Model Municipal Stormwater Program). Allow about two weeks for delivery. If you have questions about ordering these documents, please call the Department of Printing at (360) 570-5555.

- **October 2002 Public Workshops** - If you attend one of the public workshops being held the week of October 14, 2002, you can get copies of the draft documents on a CD for free.
- **Public Libraries** - Copies of the draft documents will also be available for review in early October 2002 at the following

libraries: Central Washington University, Eastern Washington University, Gonzaga University, Mid-Columbia Library, Richland Public Library, Spokane Public Library, Spokane County Library, Wenatchee Public Library, Whitman College, and Yakima Valley Regional Library.

### The public comment period ends November 30, 2002.

Comments can be provided at the October 2002 public workshops or written comments can be mailed to Dave Moss, TetraTech/KCM Inc., 1235 N. Post, Suite 101, Spokane, WA 99201, or emailed to david.moss@tetrattech.com. Comments received will be considered as the draft documents are revised.

# 2000 Census Data Has Been Issued

## How the Census data is used to identify NPDES Phase II regulated communities

### What's Next

#### Winter 2003

Final Draft Stormwater Management Manual available for review.

#### Spring 2003

Final Stormwater Management Manual and Model Program documents available.

#### March 10, 2003

NPDES Phase II regulated jurisdictions must submit notice to Ecology that they understand they will be covered under the NPDES Phase II stormwater permit (the permit approval date will be determined at a later date).

**New Underground Injection Control requirements** are being established by Ecology. These requirements cover stormwater discharges to groundwater - for example through dry wells - and are not part of the NPDES Phase II stormwater requirements.

For information, go to [www.ecy.wa.gov/programs/wq/stormwater/](http://www.ecy.wa.gov/programs/wq/stormwater/), follow link to Underground Injection Well Rulemaking.

Ecology is an equal opportunity agency. If you have special accommodation needs, please call Donna Lynch at (360) 407-7529 (Voice) or (360) 407-6006 (TTY). Email may be sent to [dlyn461@ecy.wa.gov](mailto:dlyn461@ecy.wa.gov).

The NPDES Phase II Stormwater regulations require communities within U.S. Bureau of Census defined "urban areas" to be permitted. Now that the 2000 Census data has been released, Ecology is reviewing the data to determine which cities and counties will need municipal stormwater permits. In addition, Ecology will be working with communities with greater than 10,000 population, and discharges to surface water, to develop criteria that will determine if they also should be covered under the stormwater permits. It will take some time for Ecology to complete the evaluations and make a final determination as to which jurisdic-

tions will be regulated. Ecology anticipates that all regulated and potentially regulated jurisdictions will receive a letter regarding their NPDES Phase II regulatory status in the Fall 2002.

Based on a preliminary review of the 2000 Census data, the following table lists: 1) the cities and counties in Eastern Washington that are in "urban areas" and are anticipated to be regulated, and 2) the cities and counties that have more than 10,000 population and may be regulated under the NPDES Phase II Stormwater program:

### Communities That Are Or May Be Regulated Under NPDES Phase II

#### Regulated Communities: (Census defined "Urban Areas")

##### The Cities of:

- Asotin
- Clarkston
- East Wenatchee
- Liberty Lake
- Kennewick
- Millwood
- Moxee
- Pasco
- Richland
- Selah
- Spokane
- Spokane Valley (new city)
- Union Gap
- Wenatchee
- West Richland
- Yakima

##### The Urban Area of the following counties:

- Asotin County
- Benton County
- Chelan County
- Douglas County
- Franklin County
- Spokane County
- Walla Walla County
- Yakima County

*Note: communities may not be regulated if no stormwater discharges to surface water*

#### Potentially Regulated Communities:

(Communities with greater than 10,000 population or part of an adjacent "urban area" that will be evaluated for coverage.)

- Ellensburg
- Moses Lake
- Pullman
- Sunnyside
- Walla Walla

**Note:** This list is based on preliminary review of the new U.S. Census 2000 data. As Ecology continues to review this data and work with affected communities, the list may be revised.



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