Outline

Want to Provide Input? Next four months
Municipal Stormwater Permits Background
Reissuance Schedule
Major Topics
West Wash Manual Update
Other Guidance
Links and Resources
Municipal Stormwater
Stormwater is the leading contributor of pollution in rivers and streams

Soil, Sediment, Oils, Metals

Trash, Nutrients, Bacteria
Municipal Stormwater NPDES Program

- Permits are required to satisfy the Clean Water Act’s National Pollutant Discharge Elimination System Program
- Ecology is authorized to administer program
Federal Clean Water Act

- Reduce discharge of pollutants to the “maximum extent practicable” (MEP)
- Prohibit non-stormwater discharges
- Develop a Stormwater Management Program

State Water Pollution Control Act (90.48 RCW)

- Protect Water Quality & apply All Known Available and Reasonable methods of prevention, control and Treatment (AKART)
Ecology issued the permits in Jan. 2007

**Phase I**
- 6 largest cities and counties
- Also Ports of Seattle and Tacoma

**Phase II**
- Eastern WA 18 cities & parts of 6 counties
- Western WA 80 cities and parts of 5 counties
Municipal Stormwater NPDES Permits

Permit Requirements

- Legal Authority
- Public Education & Outreach
- Public Involvement & Participation
- System Mapping
- Illicit Discharge Detection & Elimination
- New Development & Redev. Runoff Control
- Pollution Prevention & Operation and Maintenance
- Coordination
- Source Controls (Phase I)
- Structural Controls (Phase I)
- Monitoring
Permit Reissuance Schedule

April 2011 – Preliminary Drafts
October 19 – Public Release of Final Drafts
December – Workshops/Hearings East Wash
January – Workshops/Hearings West Wash
Early February – Close Public Comment
June – Reissue Permits
Permit Reissuance Major Topics

- LID Requirements
- Phase II Regulatory threshold
- Vesting
- Monitoring
- Impacts of these changes
Proposed LID Requirements

Overview

- Site/Subdivision Project Requirements
- Updates to Local Development Codes, Rules, Standards
- Watershed-scale Stormwater Planning
Proposed LID Requirements

Site/Subdivision Project Requirements

- **LID required** where feasible
  - Permeable Pavements
  - Bioretention/rain gardens
  - Green roofs (commercial only)
  - OR match flow durations to 8% of 2-yr

- **Feasibility defined**
  - Site/engineering conditions
  - Costs (for green roofs)
  - Competing needs
Proposed LID

Updates to Local Codes, Rules, Standards

- Review and revise codes to incorporate LID principles and BMPs to the “maximum extent practicable”
  - Follow process in *Integrating LID into Local Codes: A Guidebook for Local Governments*:
    - Comprehensive plan
    - Zoning code
    - Development codes and standards
Proposed LID

Watershed-scale Stormwater Planning

- **Analysis triggers** (watersheds between 2 and 40 square miles)
  - Counties
    - Expansion of UGA > 80ac within watershed
    - Planned Land Use Action that increased TIA by ≥ 5%
  - Cities
    - Expansion of city > 80ac within watershed
    - Planned Land Use Action that increased TIA by ≥ 5%
Outline

Have an Opinion? Focus for next few months
Municipal Stormwater Permits Background
Reissuance Schedule
Significant Issues
West Wash Manual Update
Other Guidance
Links and Resources
WW Manual Update

- October 19 – Public Release of Final Drafts
- January – Workshops West Wash
- Early February – Close Public Comment
- June – Publish Update
Manual Major Topics

• Minimum Requirement for LID
• Site Planning
  • Soils & Hydrologic Analysis Procedures
• Treatment BMPs Update
• Source Control BMPs Update
WWHM Update

• Features
  • Windows 7 Operating System
  • Precipitation Update & 15 minute series
  • Auto Pond Update
  • LID Elements
  • Wetlands Modeling

• Operational – mid-year 2012
• Users Manual & Training
Other Guidance

• Update LID Manual – late 2011/early 2012

• Publish “Integrating LID into Local Codes” -Fall 2011

• Update Rain Garden Handbook - 2012
Links and Resources

- 2012 Municipal Stormwater Permit Reissuance

- Integrating LID Into Local Codes: Guidebook
  - [http://www.psp.wa.gov/LID_GLG.php](http://www.psp.wa.gov/LID_GLG.php)
THANK-YOU

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