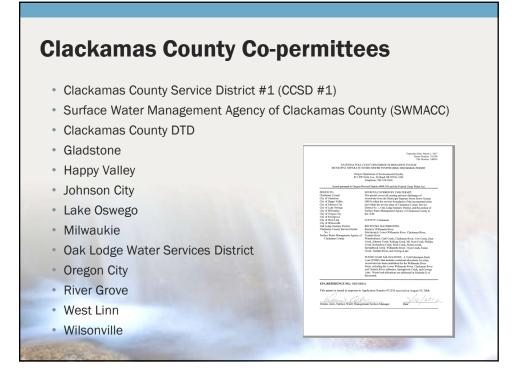


MS4 NPDES permitting program Phase I permits

- Early 1990s–Municipalities with >100,000 in population were required to get <u>Phase I</u> NPDES permits for runoff from their MS4s.
- Applied to six permit areas representing approximately 33 jurisdictions in Oregon.
 - Gresham
 - Eugene
 - Salem
 - Portland
 - Clackamas County
 - Clean Water Services







Current NPDES MS4 Permit Requirements

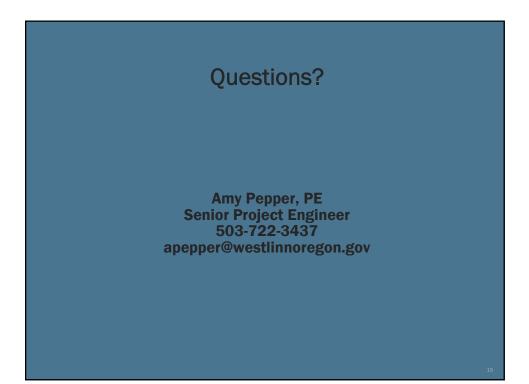
- Implement a SWMP that addresses the following program areas:
 - Illicit Discharge Detection & Elimination
 - Industrial and Commercial Facility Inspections
 - Construction Site Runoff Control
 - Education and Outreach
 - Public Involvement and Participation
 - Pollution Prevention for Municipal Operations
 - Water Quality Facility Maintenance
 - Post-Construction Site Runoff
- Annual reporting.
- Monitoring (analyzing stormwater samples).

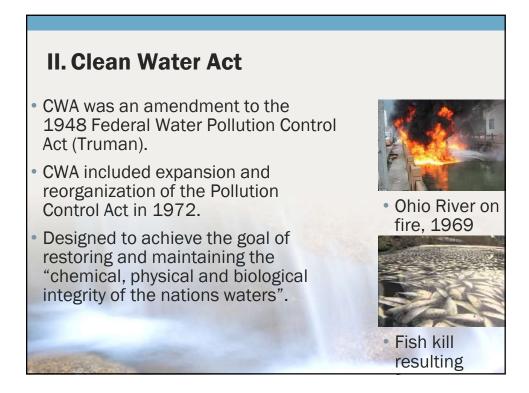


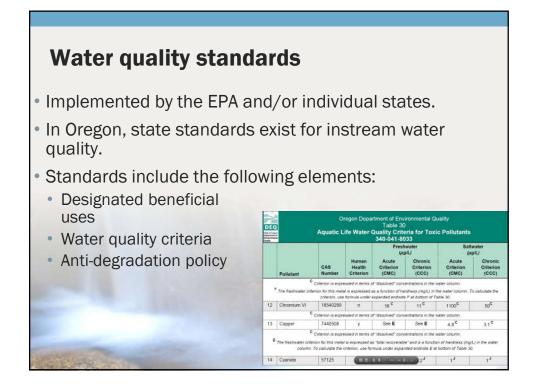


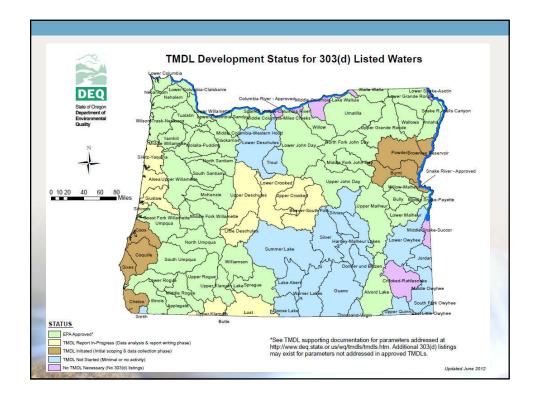
III. Other regulations – not specifically addressed

- Waters of the US (WOTUS)
- Removal/Fill Permits 401 Certifications
- Major/Minor Utility (CDC Chapter 85, Definitions)



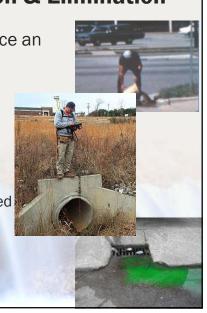






Illicit Discharge Detection & Elimination

- Develop, implement, and enforce an IDDE program.
 - System maps
 - Ordinance
 - Dry weather screening program
 - Inform the public
 - Respond to complaints
 - Identify sources
 - Eliminate discharges, as discovered
 - Respond to spills



Industrial and Commercial Facility Inspections

- Screen existing and new facilities.
- Track industries required to obtain 1200Z permits.
- Consider whether commercial facilities should be added to the program.
- Establish priorities and procedures for inspection.

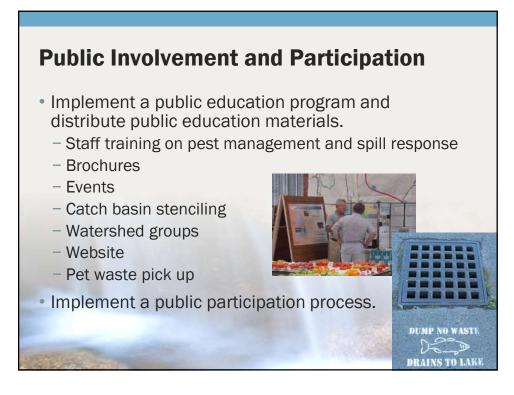




Construction Site Runoff Control

- Develop, implement, and enforce a program to reduce pollutants from construction activities.
 Applies to sites that are 1,000 square feet or larger
- Provide education to construction site operators.
- Provide an erosion control manual.
- Conduct site plan reviews.
- Conduct inspections.





Pollution Prevention for Municipal Operations

- Develop and implement an O&M program to reduce pollutants from municipal operations.
- Employee training.
- Erosion control for street repairs.
- Street sweeping.
- Pest management program.
- Manage runoff from municipal facilities.
- Eliminate cross connections.
- Consider water quality in CIP projects.



Water Quality Facility Maintenance

- Inventory and map water quality facilities.
- Develop inspection and maintenance schedule.
- Develop criteria and priorities for inspections and maintenance.
- Develop tracking mechanisms.
- Ensure inspectors are trained.





New Development and Redevelopment

- Develop, implement, and enforce a program to address pollutants from new and re-development with impervious surface areas of 1,000 SF or greater.
- Target natural surface or pre-development hydrologic functions.
- Optimize on-site retention.
- Reduce runoff volume, duration, and rates.
- Prioritize and include implementation of LID, green infrastructure or equivalent approaches.
- Capture and treat 80% of average annual runoff.



