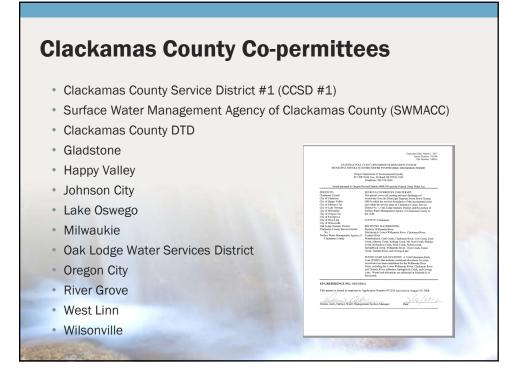


#### MS4 NPDES permitting program Phase I permits

- 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**

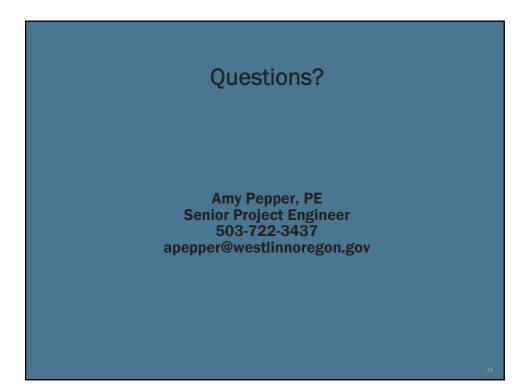
- Implement a SWMP that addresses the following program areas:
  - Illicit Discharge Detection & Elimination
  - Industrial and Commercial Facility Inspections
  - Construction Site Runoff Control
  - Education and Outreach
  - Public Involvement and Participation
  - Pollution Prevention for Municipal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

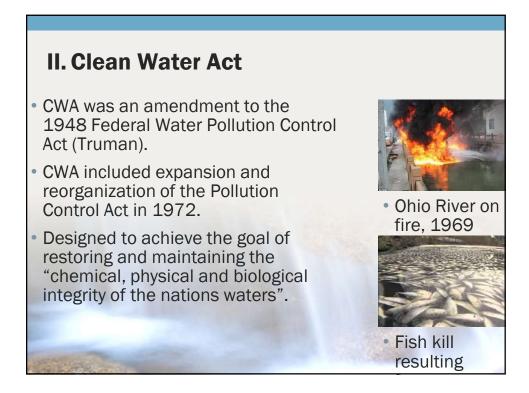


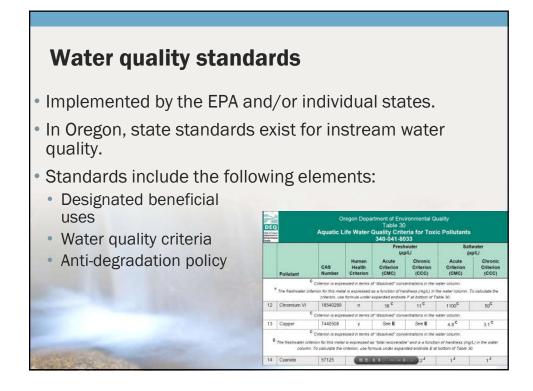


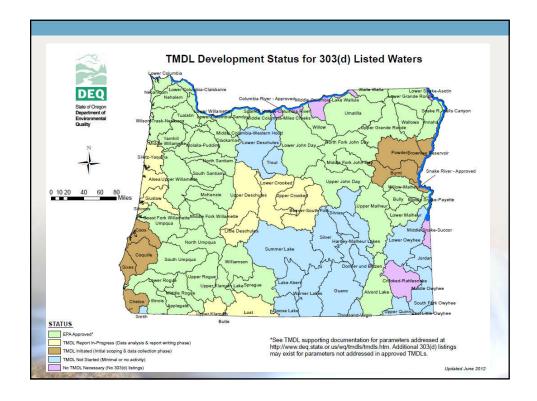
# III. Other regulations – not specifically addressed

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



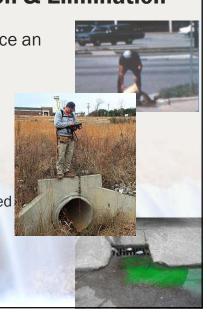






## **Illicit Discharge Detection & Elimination**

- 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.



