

STAFF REPORT

DATE: May 6, 2015

Division: Resource Policy and Planning

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TOPIC: Overview of the 2013-2018 NPDES Permit for Clark County

BACKGROUND

This presentation should enhance the Clean Water Commission's understanding of and how Clark County is meeting NPDES Permit requirements.

PERMIT COMPLIANCE

The NPDES Permit prescribes a variety of requirements and actions. It lists 21 general conditions; these include, among others, a requirement to notify Ecology of spills, a duty to avoid bypassing water quality treatment and flow control facilities, and a requirement to notify Ecology of a failure to comply with the permit.

The permit also lists nine special conditions that, among other things, specify permit coverage, list permittee responsibilities, and under Special Condition S5, prescribe a ten-component stormwater management program (SWMP).

The SWMP consists of actions meeting the ten required components and any additional actions and activities necessary to comply with Total Maximum Daily Load (TMDL) requirements. Clark County's SWMP is designed to reduce pollutant discharges to the federal maximum extent practicable (MEP) standard, meet state requirements for managing stormwater using all known, available, and reasonable methods of prevention, control and treatment (AKART), and protect water quality.

The county is required to prepare a stormwater management program plan to inform the public of planned program activities for the upcoming calendar year. The SWMP plan must be updated at least annually to include any program changes or revisions that occur and be submitted in part or in whole with the annual report to the Department of Ecology.

In addition to activities addressing NPDES Permit compliance and surface water resource management, the CWP manages other important stormwater-related activities, including registering and managing stormwater injection wells regulated under the state's Underground Injection Control Rules (173-218 WAC) pursuant to the federal Safe Drinking Water Act, and giving engineering advice and support on flooding and drainage problems.

THE CLEAN WATER PROGRAM

The Clean Water Program (CWP) in Clark County's Department of Environmental Services is responsible for a majority of the county's NPDES compliance actions and activities, coordination and reporting. The program coordinates with a variety of county departments to achieve and facilitate compliance, and is the primary author of reports and other documents required by Ecology.

For commissioners' who want detail information about of the activities in the 2015 Clark County Stormwater Management Plan, they should go to:

<http://www.clark.wa.gov/environment/stormwater/management/documents/SWMP2015Final3.4.15.pdf>

Clark County Phase 1 Municipal Stormwater Permit

*National Pollutant Discharge Elimination System
& State Waste Discharge General Permit*

2013-2018

Permit Overview

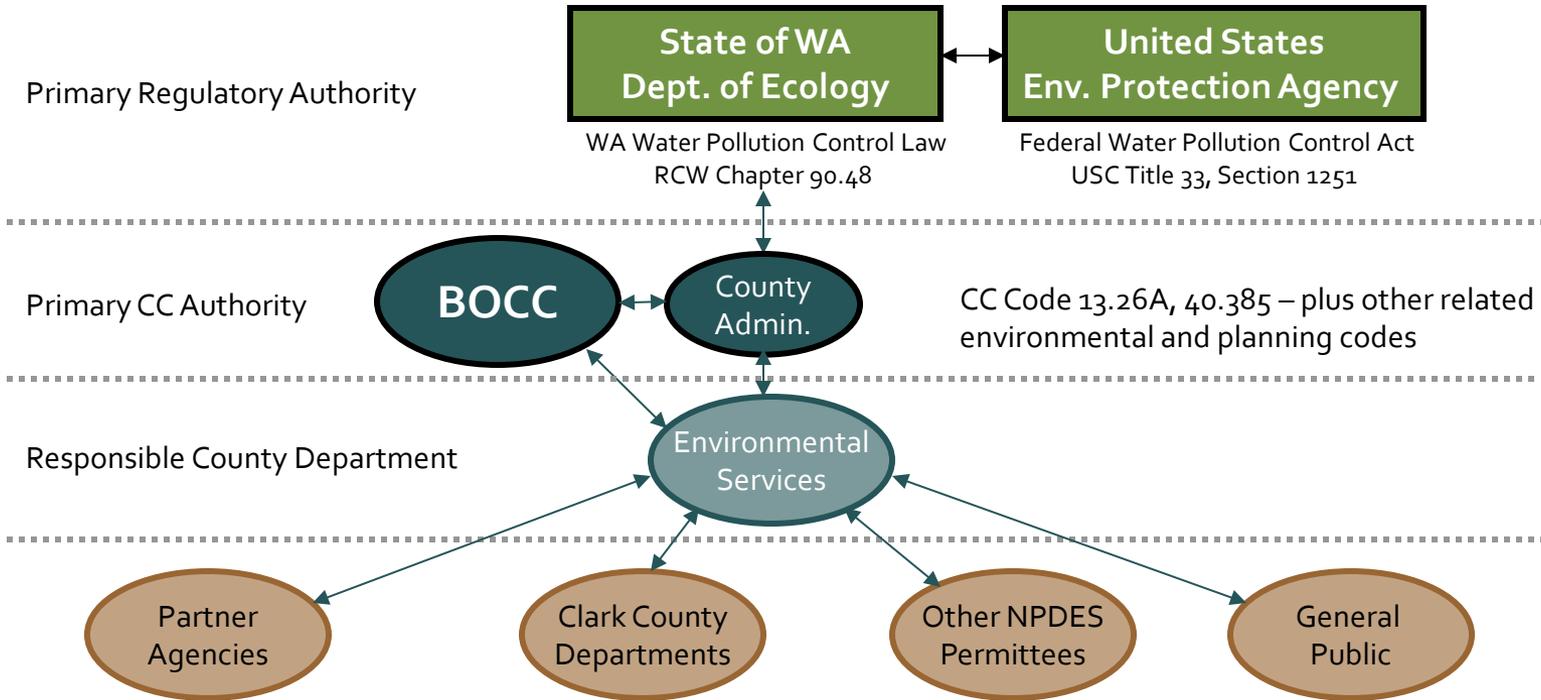
Updated 5-6-15

Note: This information is gathered and formatted to provide an overview of the program and upcoming anticipated issues. It may be used (in part or whole) for discussion purposes with staff, stakeholders or policy makers.



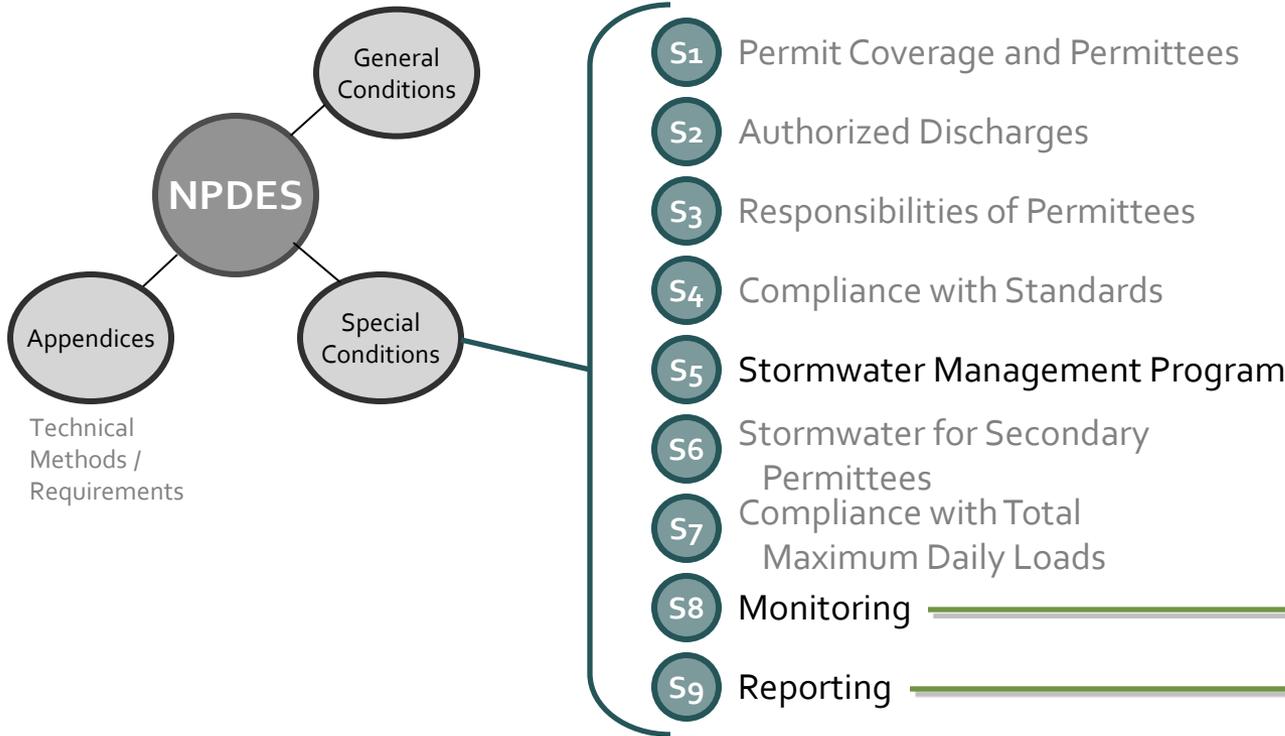
Permit Overview

Who is involved in coordination of the Clark County NPDES permit?



Permit Overview

What is required in the Clark County NPDES permit?



Major areas of focus:

- Legal Authority
- MS4 Mapping/Documentation
- Coordination
- Public Involvement/Participation
- Runoff from New Development – LID*
- Watershed Scale Planning*
- Structural Stormwater Controls*
- Source Control from Existing Dev.
- Operation & Maintenance Program*
- Inspection Program
- Education & Outreach Program

- Stormwater Characterization*
- Program Effectiveness*

- Annual Report
- Attachments – Summaries, Maps, Descriptions, Etc.

* Major cost elements



Significant new permit requirements

- Current permit, 2013-2018, with permit update in 2014
- Majority of items the similar to previous permit, added on the new requirements:

Section	Requirement	Amend Exist.	Create New	Change in effort
S5.C.5.a	Stormwater Code & Manual (by January 8, 2016)	Update code language	Create new Clark County manual	Large
S5.C.5.b	Low Impact Development (LID) (by end of 2015)	Assess and update development codes	Create report on barriers to LID	Large
S5.C.5.c	Watershed-scale SW planning (by October 1, 2016)	None	Watershed-scale plan	Large

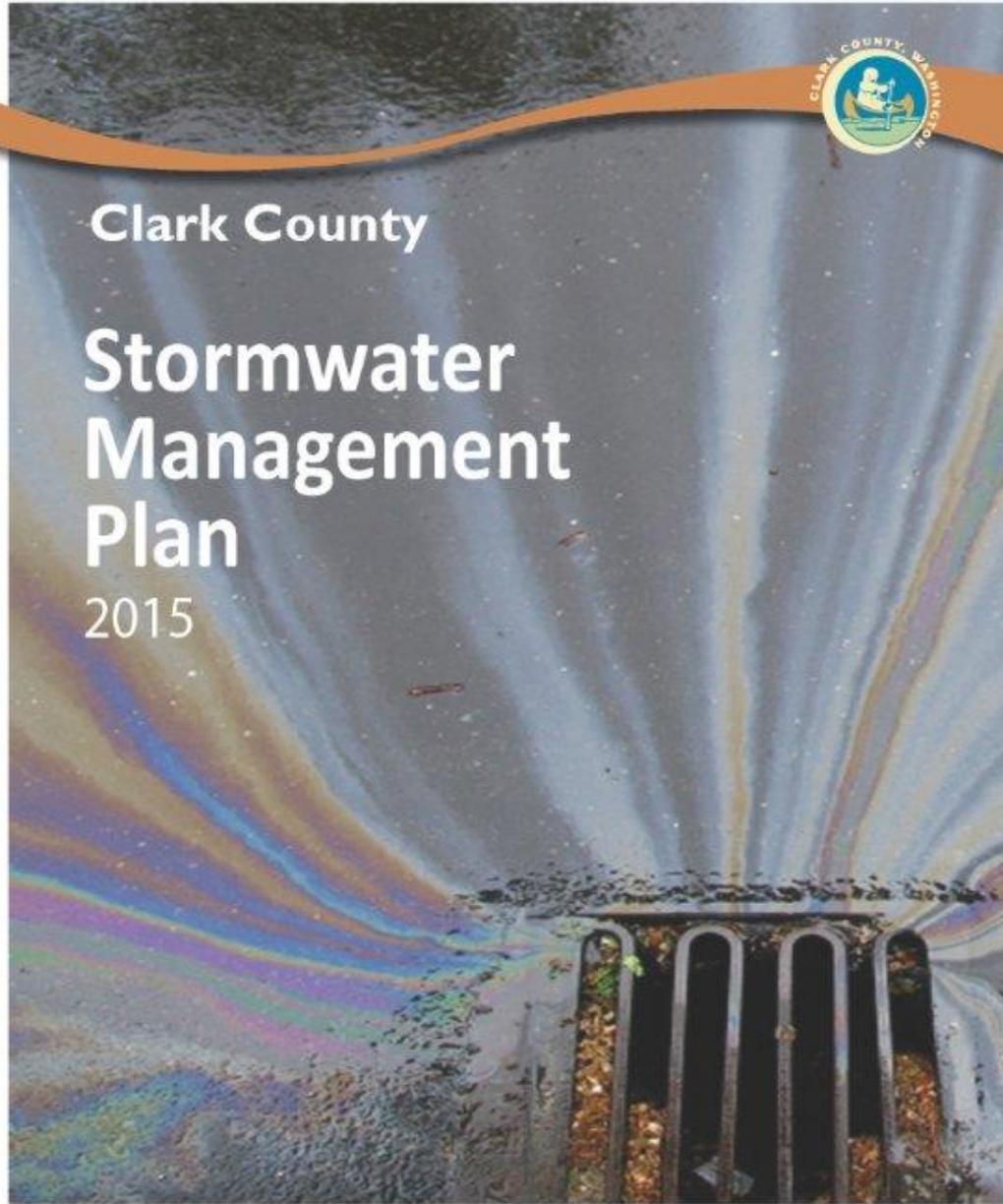




Clark County

Stormwater Management Plan

2015

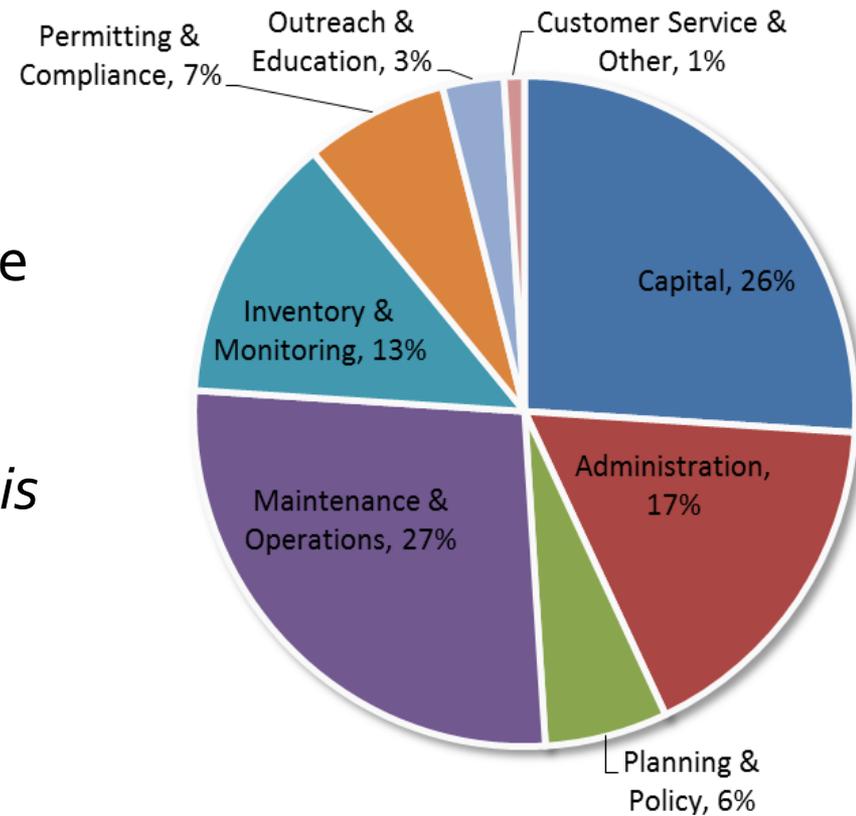


Protecting water through stormwater management



2015-2016 Clean Water Program Budget

Capital construction to build or upgrade stormwater facilities, and maintenance of our storm infrastructure typically comprise the largest portions of the Clean Water budget. *During the 2015-2016 biennium, an additional \$1.5 million is expected to be spent on new permit requirements for code revisions and watershed planning.* The budget is \$13.4 million.

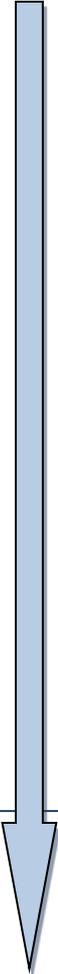




Turbid flow from Cougar Creek into Salmon Creek

Inventory and Mapping the Stormwater System

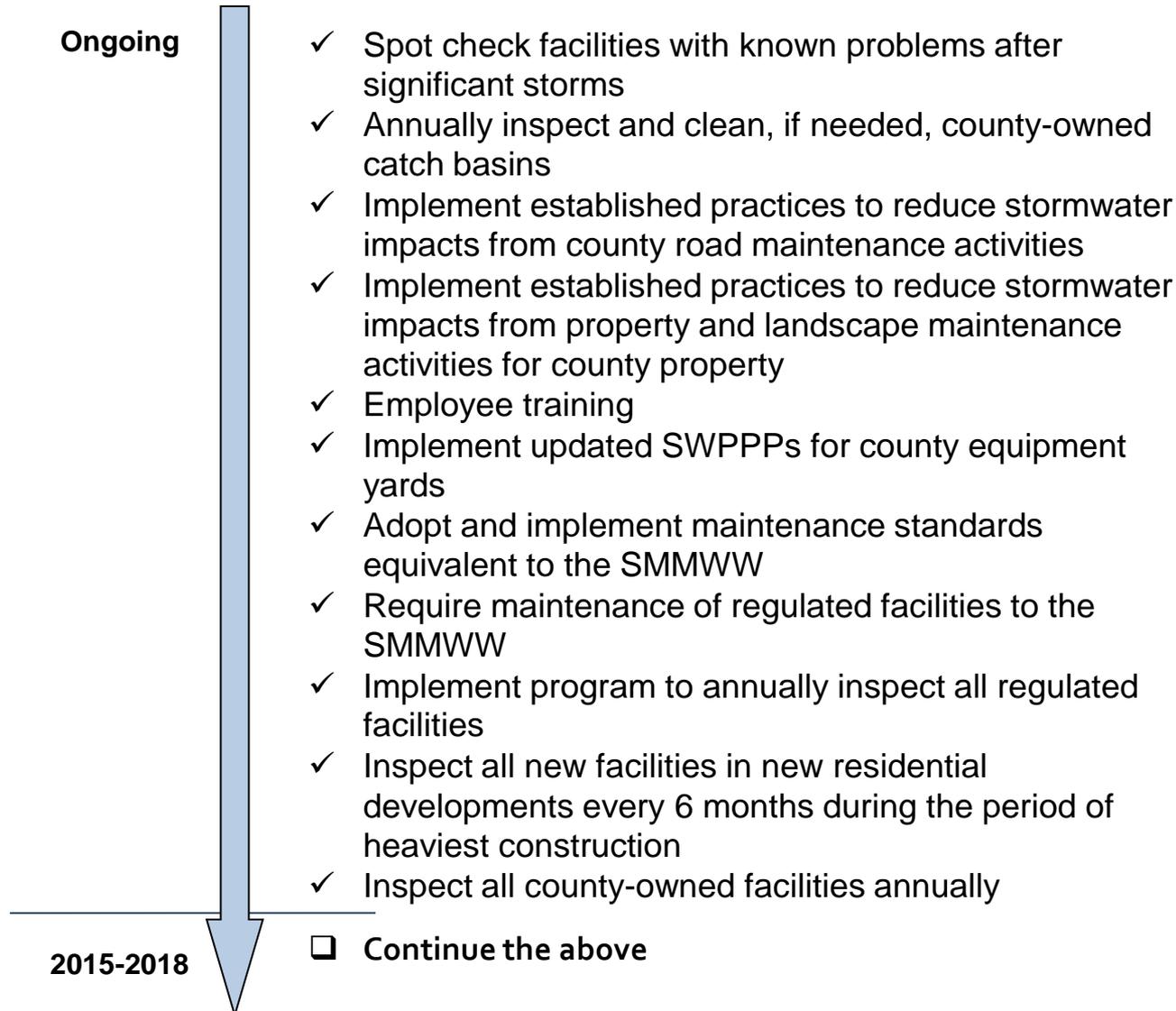
Ongoing

- 
- ✓ Map all known MS4 outfalls and receiving waters, and structural stormwater treatment and flow control BMPs operated by Clark County
 - ✓ Map connection points between the MS4 and other municipalities
 - ✓ Map existing 8" and greater connections to the MS4
 - ✓ Map tributary conveyances and associated drainage areas
 - ✓ Map geographic areas served by the MS4 that do not drain to surface water
 - ✓ Map connections between BMPs and tributary conveyances

2015 -
2018

- Continue ongoing inventory and mapping
- Map connections to tributary conveyances

Operations and Maintenance of the Stormwater System

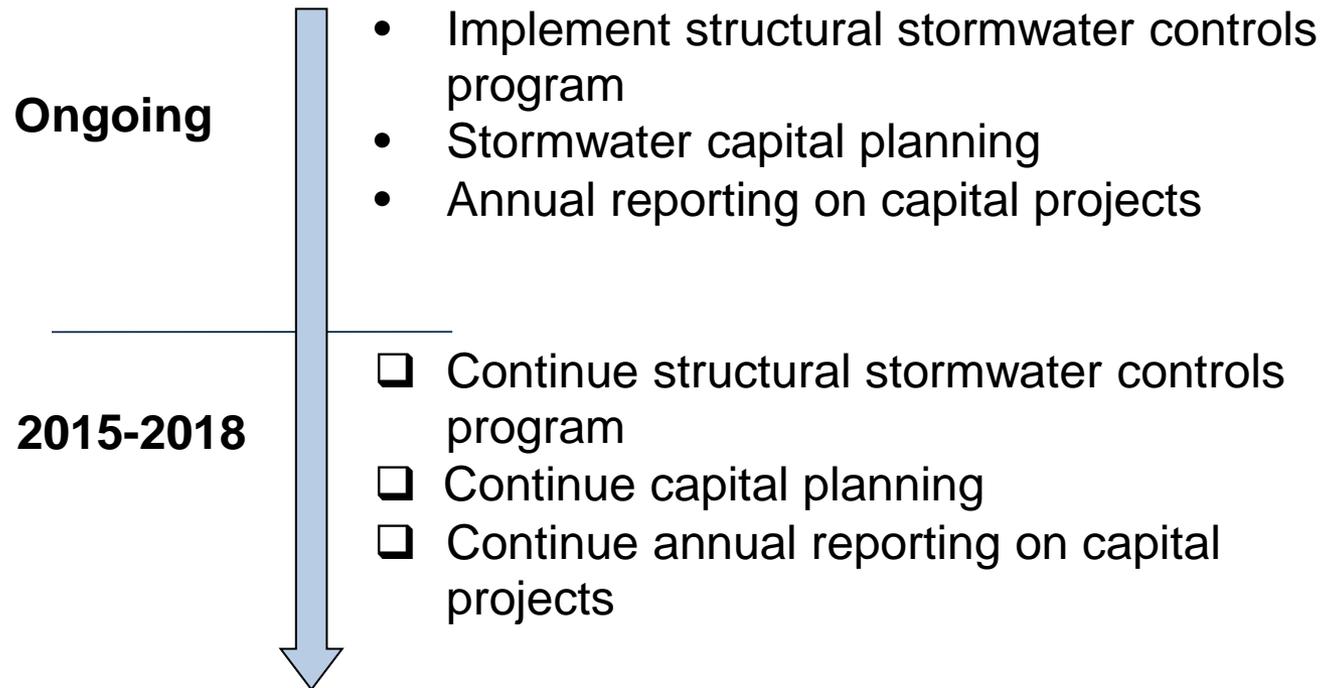




Clean Water Program is continuing work on the following:

- ❖ Illicit Connections and Discharges, Spill Response program, operate a water quality citizen complaint line, etc.**
- ❖ Stormwater Capital Planning, Construction, and Reporting on Capital Projects**

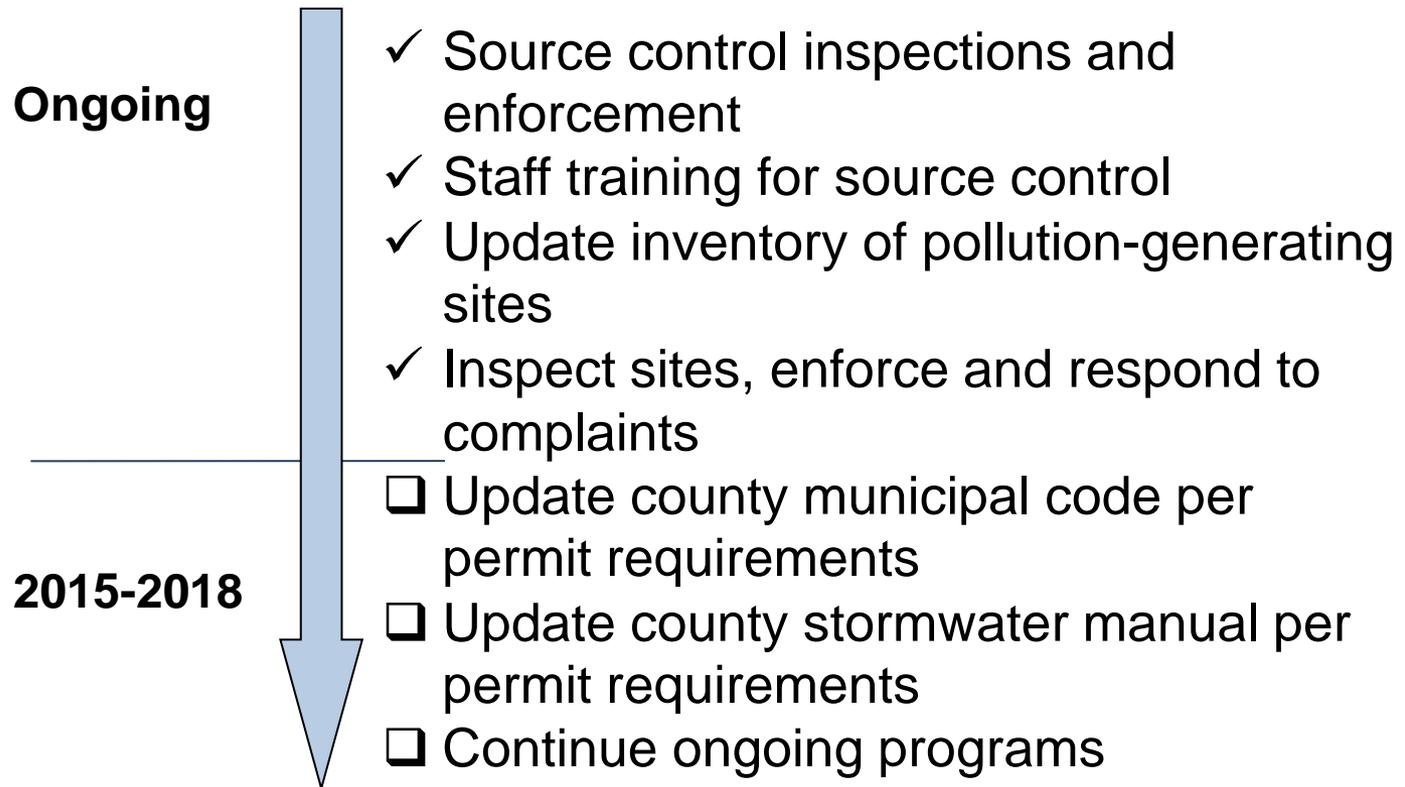
Stormwater Capital Planning and Construction





Construction of the Thomas Wetland East Stormwater Facility

Source Control Program



For answers to specific questions the 2013-2018 NPDES Permit or about the 2015 Clark County Manual, please contact:

- ❖ Rod Swanson at 360-397-2121 extension 4581 or**
- ❖ Jeff Schnabel, Interim Division Mgr. at extension 4583**