

# 2019 NPDES Phase 1 Permit

## Clark County Stormwater Management Program Areas

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Clark County Clean Water Commission

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# NPDES Phase 1 Municipal Stormwater Permit

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## Man Permit Conditions

**S1 – Permit Coverage/Permittees**

**S2 – Authorized Discharges**

**S3 – Responsibilities of Permittees**

**S4 – Compliance with Standards**

**S5 – Stormwater Management Program**

**S6 – For Secondary Permittees –  
Not Cities or Counties**

**S7 – Compliance with TMDLs**

**S8 – Stormwater-Related Monitoring**

**S9 – Annual Reporting Requirements**

## **S5 - Stormwater Management Program**

1. Legal Authority (Code)
2. MS4 Mapping & Documentation
3. Coordination
4. Public Involvement & Participation
5. Development Regulation
6. Stormwater Planning
7. Structural Stormwater Controls
8. Source Control
9. IDDE ( removing non-stormwater discharges)
10. Operations & Maintenance
11. Education & Outreach

## **S9. Annual Reporting**

### **Other phase I Permittees**

- Seattle, Tacoma
- King, Pierce and Snohomish counties
- WSDOT



## 1. Legal Authority to Control Discharges to the MS4

### What's an MS4?

- **Municipal Separate Storm Sewer System**
- **Separate means not part of a combined sanitary and storm sewer**

### Chapter 13.26A Water Quality (since 1998)

- **Prohibits the discharge of contaminants to the MS4 and waters in Clark County**
- **Requires all stormwater control facilities to be maintained to county standards (since 2000)**



## 2. MS4 Mapping in StormwaterClk GIS db

### Required by permit

- Conveyance system mapping
- Outfall points to receiving waters
- County stormwater control facilities
- Regulated non-county stormwater control facilities

### Critical for Stormwater Management

- County and non-county facility maintenance compliance
- IDDE screening and spill and complaint response
- Stormwater Planning for various purposes



## 3. Coordination

### Internal Coordination

- **Community Development for construction project requirements**
- **Internal Services Department for stormwater controls and pollution control on county properties**
- **Public Works for much of the program, SW facility maintenance, pollution controls during operations, development project inspection**

### Inter-permittee Coordination

- **With local cities because our systems are interconnected**



## 4. Public Involvement

### Clean Water Commission

- Public meetings and report to Council

### Clark County Council Public Process

- Budget approval
- Code updates

### Stormwater Management Plan

- Describes permit compliance program
- Updated on Web each year



## 5. Stormwater Controls for Development

### Apply Development Standards

- Equivalent Manual to Ecology standards
- Process to review and approve stormwater plans for small projects (2000 sf to 5000 sf impervious) and larger projects (>5000 sf impervious surface)
- Process to ensure maintenance will be performed on non-county facilities
- 2-year maintenance requirements

### Apply Construction Standards

- Process to inspect for erosion controls
- Process to ensure stormwater controls are built to design



## 6. Stormwater Planning

### Ongoing LID Implementation Barrier Review

- None are found

### Reporting on Stormwater Management in Long-Range Plans

- Limited connection to other planning programs due to plan purposes

### Catchment-Scale Stormwater Planning

- 6-year and 20-year plans for a developing drainage catchment
- Set Goal - Maintain existing stream hydrology for habitat protection
- Propose actions to maintain current stream habitat considering available tools





## 7. Stormwater Structural Controls

**Includes the Stormwater Capital Plan Work**

**Intended to retrofit deficiencies compared to current standards**

- **Enormous need compared to current standards**
- **Identify projects to meet high priority needs**
  - **High pollutant roads**
  - **Habitat restoration on county lands**
  - **Habitat acquisitions**



## 8. Stormwater Source Controls

### Stops Pollutants at the Source

Mainly site visits to businesses that may have activities that pollute

- About 600 connected to MS 4 and another 600 not connected
- Bob Patterson does about 160 visits a year
- Provides technical assistance at several levels
  - BMPs for outdoor activities
  - Replace leaky dumpsters
  - Help with managing hazardous or toxic materials at businesses



## 9. Illicit Discharge Detection and Elimination (IDDE)

### Screen conveyance system for non-stormwater discharges

- Look at Outfalls
- Includes source control visits by Bob (where we find most)
- Remove non-stormwater connections
  - Sanitary sewer
  - Floor drains
  - Outdoor work areas
- Respond to Complaints
- Report spills to MS4 to Ecology



## 10. Operation and Maintenance

- **Inspect and maintain 1600 county facilities**
- **Inspect and gain maintenance compliance for 1600 non-county facilities**
- **Inspect 12,000 county catch basins each year, about 1/3 are cleaned**
- **Use pollution controls at maintenance yards**
- **Use pollution control BMPs for county road maintenance**



## 11. Education and Outreach

- **Raise awareness about stormwater pollution**
- **Cause behavior change for activities that contribute to stormwater impacts**
- **Provide stewardship opportunities**
- **Evaluate program effectiveness for one activity**



## **S9. Reporting**

- **Annual report to Ecology**
- **Responses from multiple departments compiled for submittal each March**
- **Answers compliance questions**
- **Includes numerous reports**
- **Certified by County Manager**
- **Posted on Stormwater Web page**



# Thanks for the Opportunity to Talk to You

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Any Remaining Thoughts and Questions?

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