OKLAHOMA DEQ STORMWATER PROGRAM

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SEPTEMBER 17, 2019
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TWO SIDES OF STORMWATER

Quality

Quantity
PRECIPITATION IN OKLAHOMA
HISTORICAL PRECIPITATION IN OKLAHOMA
DROUGHT IN OKLAHOMA

D0 - Abnormally Dry
- Short-term dryness slowing planting, growth of crops
- Some lingering water deficits
- Pastures or crops not fully recovered

D1 - Moderate Drought
- Some damage to crops, pastures
- Some water shortages developing
- Voluntary water-use restrictions requested

D2 - Severe Drought
- Crop or pasture loss likely
- Water shortages common
- Water restrictions imposed

D3 - Extreme Drought
- Major crop/pasture losses
- Widespread water shortages or restrictions

D4 - Exceptional Drought
- Exceptional and widespread crop/pasture losses
- Shortages of water creating water emergencies
WATER USE IN OKLAHOMA

2060 Projected Water Use by Sector

- Thermoelectric Power
- Municipal & Industrial
- Crop Irrigation

TOTAL PROJECTED WATER DEMAND = 2,483,912 Acre-Feet/Year
THREE STORMWATER AREAS

- Municipal
- Industrial
- Construction
CONSTRUCTION STORMWATER

Primary Goal:
Minimize Erosion & Reduce Sedimentation

Tool:
General Permit OKR10
Construction Activities

Components:
Stormwater Pollution Prevention Plan (SWP3)
Notice of Intent (NOI)
INDUSTRIAL STORMWATER

Primary Goal:
Control and reduce pollutants in stormwater runoff

Tool:
General Permit OKR05
Industrial Activities Sector Specific

Components:
SWP3
NOI
Annual Compliance Report (ACSCER)
Primary Goal:
Control and reduce pollutants in urban stormwater runoff in Municipal Separate Storm Sewer Systems (MS4s)

Tools:
- Individual Stormwater Permits
- General Permit OKR04 for Small MS4 discharges

Components:
- NOI
- Stormwater Management Plant (SWMP)
- Annual Report

MUNICIPAL STORMWATER
STORMWATER GENERAL PERMIT RENEWALS

**OKR10**
- Effective: 10/18/2017
- Expires: 10/17/2022

**OKR05**
- Effective: 7/5/2017
- Expires: 7/4/2022

**OKR04**
- Effective: 11/1/2015
- Expires: 10/31/2020
WHAT’S NEXT FOR STORMWATER?

Integrated Planning?

Green Infrastructure?

Low Impact Development?

Capture and Use ("Reuse")?
QUESTIONS?

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