



**OKLAHOMA**  
**Environmental**  
**Quality**

# **INDUSTRIAL WASTEWATER AND STORMWATER UPDATES**

**GREG CARR, P.E.**


**WATER QUALITY DIVISION CHIEF ENGINEER**



# Wastewater

## AGENDA



The background features a light blue gradient with several realistic water droplets of various sizes scattered around the edges. In the center, there is a faint, circular watermark logo consisting of a globe with a grid pattern, surrounded by a circular border with small dots.

# **WATER QUALITY STANDARDS**

**HOUSE BILL  
3824 &  
SENATE BILL  
1325**

Both bills effective November  
1, 2022

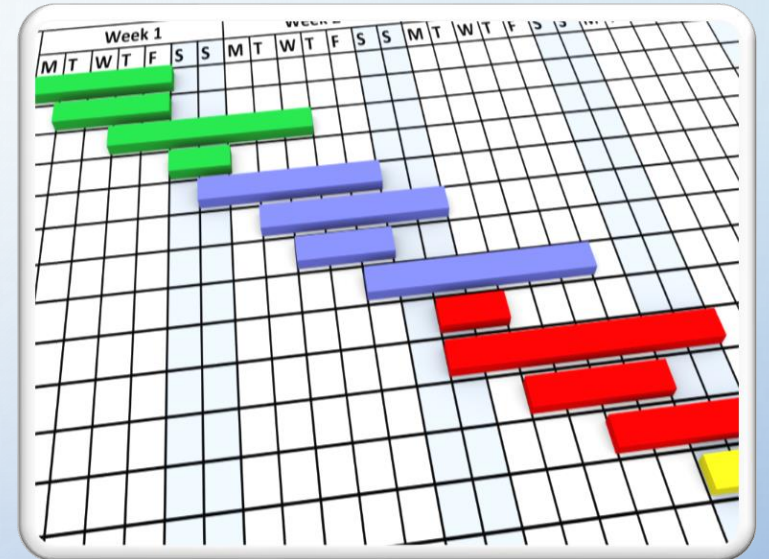


## DID WE FORGET SOMETHING?

- NO ADDITIONAL FUNDING APPROPRIATED TO DEQ TO SUPPORT THE NEW PROGRAM
- DEQ REALLOCATED ENOUGH EXISTING FUNDING TO FUND ONE NEW POSITION

# DEQ TIMELINES

## Emergency Rulemaking



# RULE CHANGES



606 "Oklahoma Pollutant Discharge Elimination System Standards"

611 "General Water Quality"

616 "Industrial Wastewater Systems"

621 "Non-Industrial Discharging and Public Water Supply Lagoons"

628 "Indirect Potable Reuse for Surface Water Augmentation"

652 "Underground Injection Control"

653 "Aquifer Storage and Recovery"

656 "Water Pollution Control Facility Construction Standards"

690 "Water Quality Standards Implementation"

730 "Oklahoma's Water Quality Standards"

740 "Implementation of Oklahoma's Water Quality Standards"

# WATER QUALITY STANDARDS RULE CHAPTERS

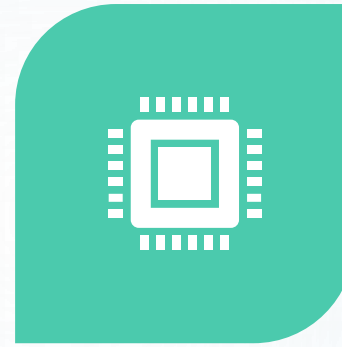
OAC 785:45 is now  
OAC 252:730  
“Oklahoma’s Water  
Quality Standards”

OAC 785:46 is now  
OAC 252:740  
“Implementation of  
Oklahoma’s Water  
Quality Standards”

OAC 252:690  
remains “Water  
Quality Standards  
Implementation”



# PLANNED UPCOMING CHANGES



REVIEW AND UPDATE (AS  
APPROPRIATE) TECHNICAL  
REFERENCES IN 740



MERGE PARTS OF 690 INTO  
740  
(IMPLEMENTATION)



UPDATE APPENDIX H OF 730  
RELATED TO CLEAN UP SITES



Triennial Review of

Water Quality Standards



# WATER QUALITY STANDARDS REVIEW PROCESS

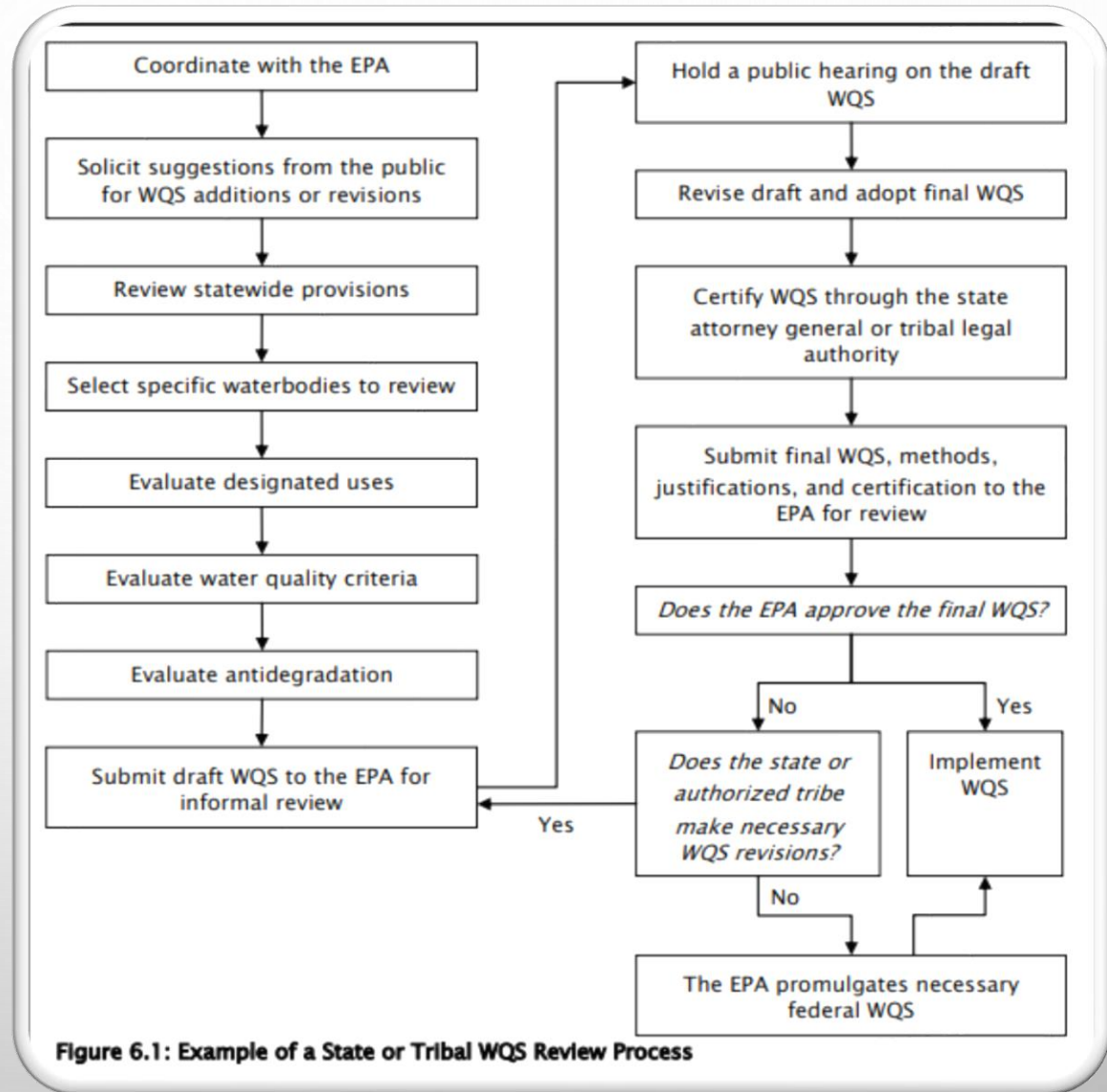


Figure 6.1: Example of a State or Tribal WQS Review Process



## MEANWHILE AT EPA...

- **PROPOSED RULEMAKING**
  - NOVEMBER 28, 2022 – TRIBAL RESERVED RIGHTS IN WATER QUALITY STANDARDS
  - APRIL 27, 2023 – TRIBAL BASELINE WATER QUALITY STANDARDS (OKLAHOMA EXCLUDED)

The background is a light gray gradient with several realistic water droplets of various sizes scattered in the corners. The word "STORMWATER" is centered in a blue, textured, sans-serif font.

# STORMWATER



- MS4
- OKR05 (INDUSTRIAL)
- OKR10  
(CONSTRUCTION)
- ANNUAL  
COMPREHENSIVE SITE  
COMPLIANCE  
EVALUATION REPORTS  
(ACSCER)

**MS4  
NOTEWORTHY  
ITEMS**

Tulsa, OKC and ODOT/OTA  
currently in renewal process

Significant public interest in  
Tulsa renewal

OKC and ODOT/OTA to EPA  
soon

# OKR05 (INDUSTRIAL MULTI-SECTOR GENERAL PERMIT)

Renewed July  
2022

Online application  
process available

1 500  
Authorizations  
Issued in last 10  
months

200-300 not  
renewed or  
terminated will see  
enforcement soon



OKR10  
(CONSTRUCTION  
STORMWATER)

Renewed 2022

Modified April 2023

- Removed requirement for formal training to be “Qualified Personnel” for inspections

1 000 renewed

~1 000 not renewed or terminated

Renewal either electronic or by paper

Will begin formal enforcement soon

# ANNUAL COMPREHENSIVE SITE COMPLIANCE EVALUATION REPORTS (ACSCER)

OKR05 and OKR10  
modified in 2023

Keep on site for DEQ  
review

Applies to all OKR05  
and Concrete and  
Asphalt Plants under  
OKR10

# INDUSTRIAL GENERAL PERMITS

- RECENTLY RENEWED

- OKG11MT: MOBILE CONCRETE BATCH PLANTS (JUN. 8, 2022)
- OKG75: VEHICLE WASH FACILITIES (APR. 1, 2023)
- OKG83: UNDERGROUND STORAGE TANK CLEANUP (JAN. 4, 2023)
- OKG3CT: CLASS III TOTAL RETENTION IMPOUNDMENTS (FEB. 7, 2023)

- UPCOMING RENEWALS

- OKG95: ROCK, SAND AND GRAVEL QUARRIES AND STONE CUTTING FACILITIES (EXPIRES JUN. 30, 2023)
- OKG04: SURFACE COAL STRIP MINES (EXPIRES NOV. 30, 2023)
- OKG11: CONCRETE BATCH AND PRE-CAST CONCRETE PRODUCT PLANTS (EXPIRES FEB. 29, 2024)

The background features a light gray gradient with several realistic water droplets of various sizes scattered in the corners. The droplets have highlights and shadows, giving them a three-dimensional appearance.

# **EFFLUENT LIMITATION GUIDELINES**

# EFFLUENT LIMITATION GUIDELINES

Landfill – Update  
will add PFAS

Textile – Study to  
determine if PFAS  
limits needed

Study on POTW  
influent to determine  
if Source Controls  
are needed

Combined Animal  
Feeding Operations

Meat and Poultry –  
nutrient limits

Metal Finishing and  
Electroplating –  
PFAS limits

Pulp, Paper and  
Paperboard – PFAS  
limits

Airports – PFAS  
Limits

Biosolids – PFAS Risk  
Assessment

# PER- AND POLYFLUOROALKYL SUBSTANCES (PFAS)

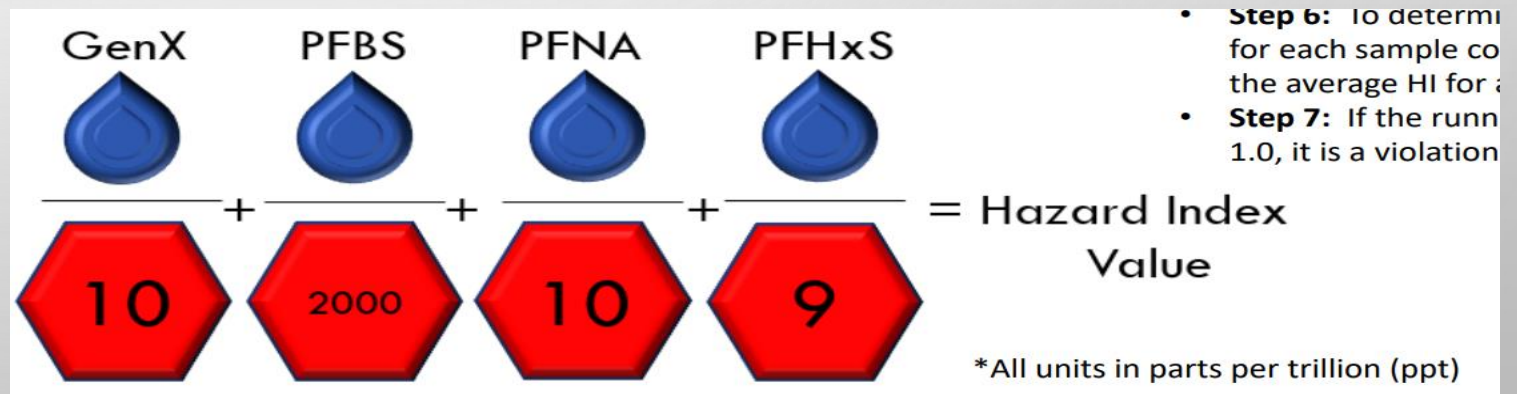
- EPA'S PFAS ROADMAP
  - NATIONAL DRINKING WATER STANDARD FOR PFOA, PFOS (RULE PROPOSED MARCH 2023).
  - COMPLETE CERCLA (SUPERFUND) DESIGNATIONS FOR PFOA, PFOS AS HAZARDOUS SUBSTANCES – ONLY FOR NEW RELEASES (EPA REVIEWING PUBLIC COMMENTS ON PROPOSED RULE).
  - ELG PLAN 15.
  - BIOSOLIDS RISK ASSESSMENT FOR PFOA, PFOS (DEC. 2024).
- EPA'S FIRST-EVER CLEAN WATER ACT ENFORCEMENT TO ADDRESS PFAS DISCHARGES
  - APRIL 2023 IN WEST VIRGINIA.
  - CHEMOURS MANUFACTURING (FORMERLY DU PONT DE NEMOURS AND COMPANY)
  - EXCEEDED NPDES PERMIT LIMITS FOR PFOA AND GEN X.
  - EPA ADMINISTRATIVE CONSENT ORDER TO IMPLEMENT SAMPLING PLAN/ANALYSIS AND PLAN TO MINIMIZE PFAS DISCHARGE.

# AND MORE NEW RULES

- PFAS-PROPOSED  
MARCH 14, 2023
- COMMENT PERIOD  
THROUGH MAY 30,  
2023

## EPA's Proposed Action for the PFAS NPDWR

Compound	Proposed MCLG	Proposed MCL (enforceable levels)
PFOA	0 ppt*	4.0 ppt*
PFOS	0 ppt*	4.0 ppt*
PFNA		
PFHxS	1.0 (unitless) Hazard Index	1.0 (unitless) Hazard Index
PFBS		
HFPO-DA (commonly referred to as GenX Chemicals)		





[GREGORY.CARR@DEQ.OK.GOV](mailto:GREGORY.CARR@DEQ.OK.GOV)

405-702-8298