

# Water Protection Program Update

A Year In Review and Priorities Moving  
Forward

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Water Protection Program

# Amendment to the Missouri Water Quality Standards

- CWC adoption in January 2017
- Submission to EPA in April 2017
- Still awaiting approval but hopeful



# WQS Amendment

NNC for Lakes

Median Hardness

Revised 304a  
criteria

Lagoon MDV for  
NH<sub>3</sub>

Corrections to the  
MUDD

Revision of  
Waters of the  
State Definition

MZ and ZID  
clarification

pH as a chronic 4-  
day average

General Criteria  
clarification

AIP Update

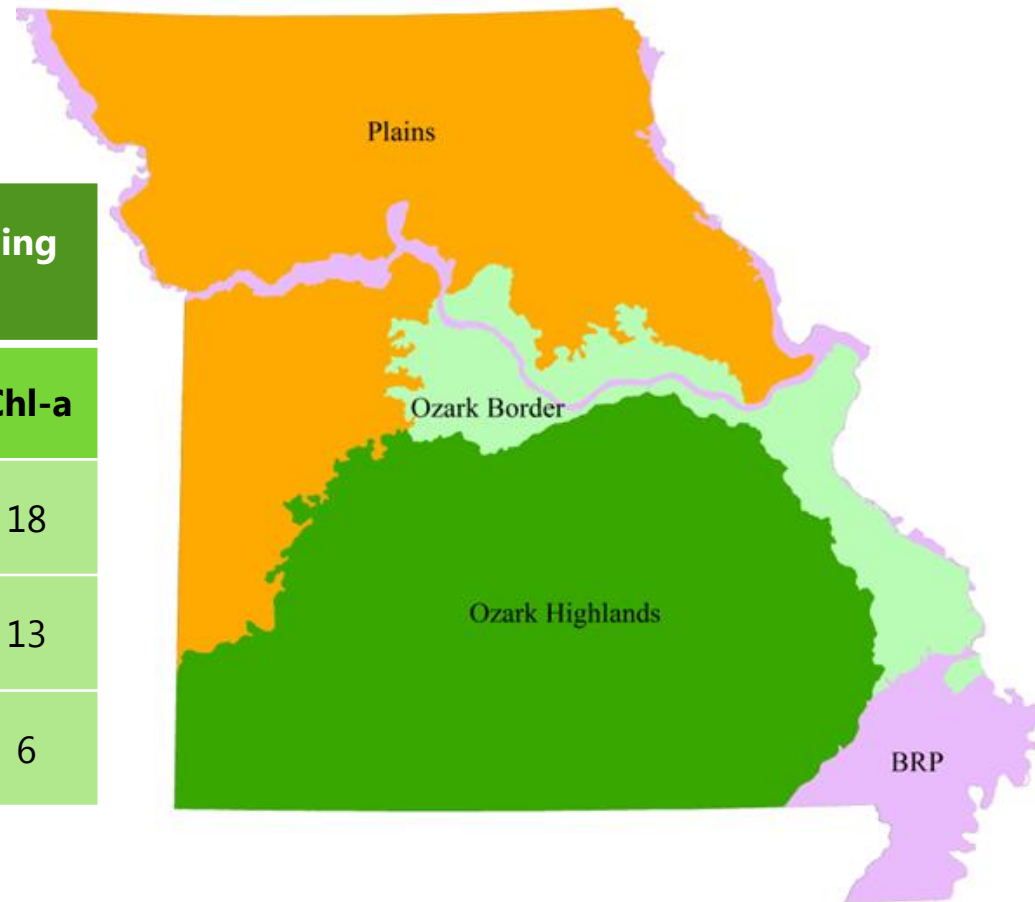
Incorporation of  
Losing Stream –  
Table J Geospatial  
dataset

Kirksville Variance

# Missouri Numeric Nutrient Criteria for Lakes

Lake Ecoregion Values ( $\mu\text{g/L}$ )

Lake Ecoregion	Chl-a Response Impairment Thresholds	Nutrient Screening Thresholds		
		TP	TN	Chl-a
Plains	30	49	843	18
Ozark Border	22	40	733	13
Ozark Highlands	15	16	401	6



# NNC for Lakes Response Endpoints

- Occurrence of eutrophication-related mortality or morbidity events for fish and other aquatic organisms
- Epilimnetic excursions from dissolved oxygen or pH criteria
- Cyanobacteria counts in excess of 100,000 cells/mL
- Observed shifts in aquatic diversity attributed to eutrophication
- Excessive levels of mineral turbidity that consistently limit algal productivity during the period of May 1 – September 30

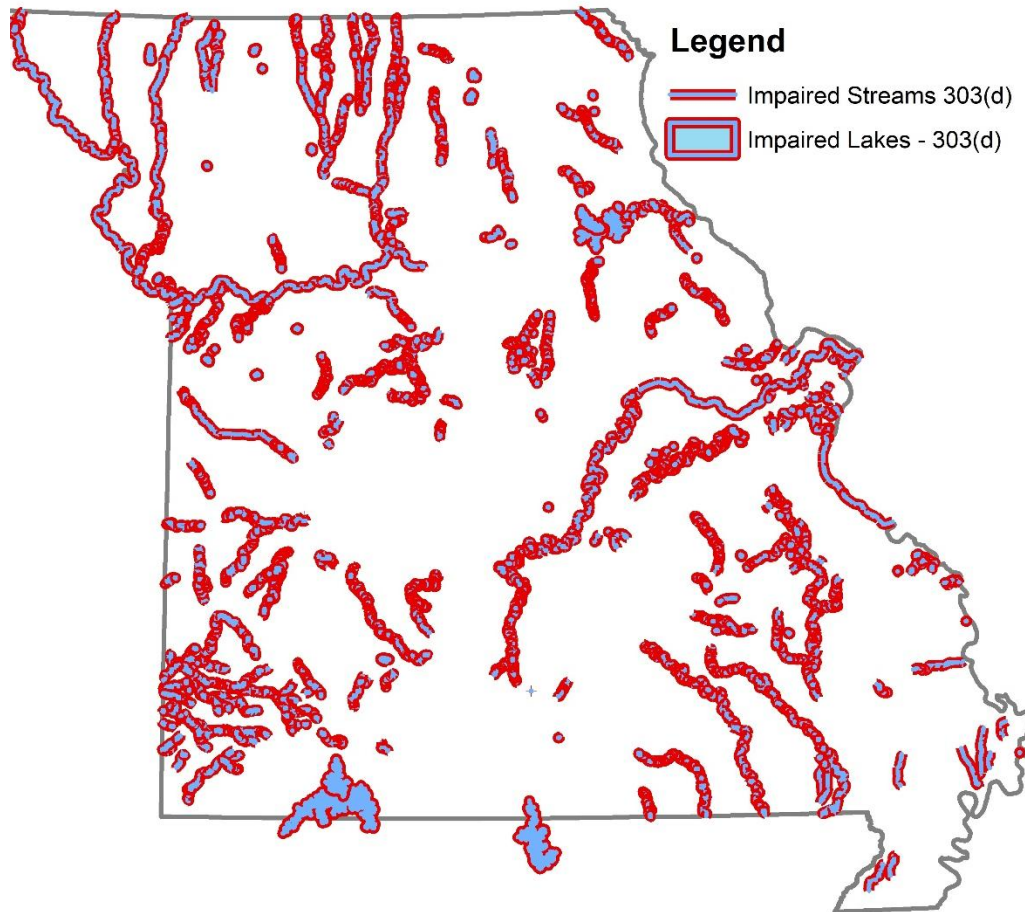
# MDV for Ammonia

- Implementation will start shortly after approval of the WQS
- Application Process

# 2020 Listing Methodology Document

- Revisions tabled by the Commission in January 2018
- WPP staff held numerous stakeholder meetings to resolve a variety of concerns
- Commission approved revisions in July 2018
- Last remaining issues will be discussed later this month in addition to Lake NNC assessment methodologies

# Impaired Streams and Lakes



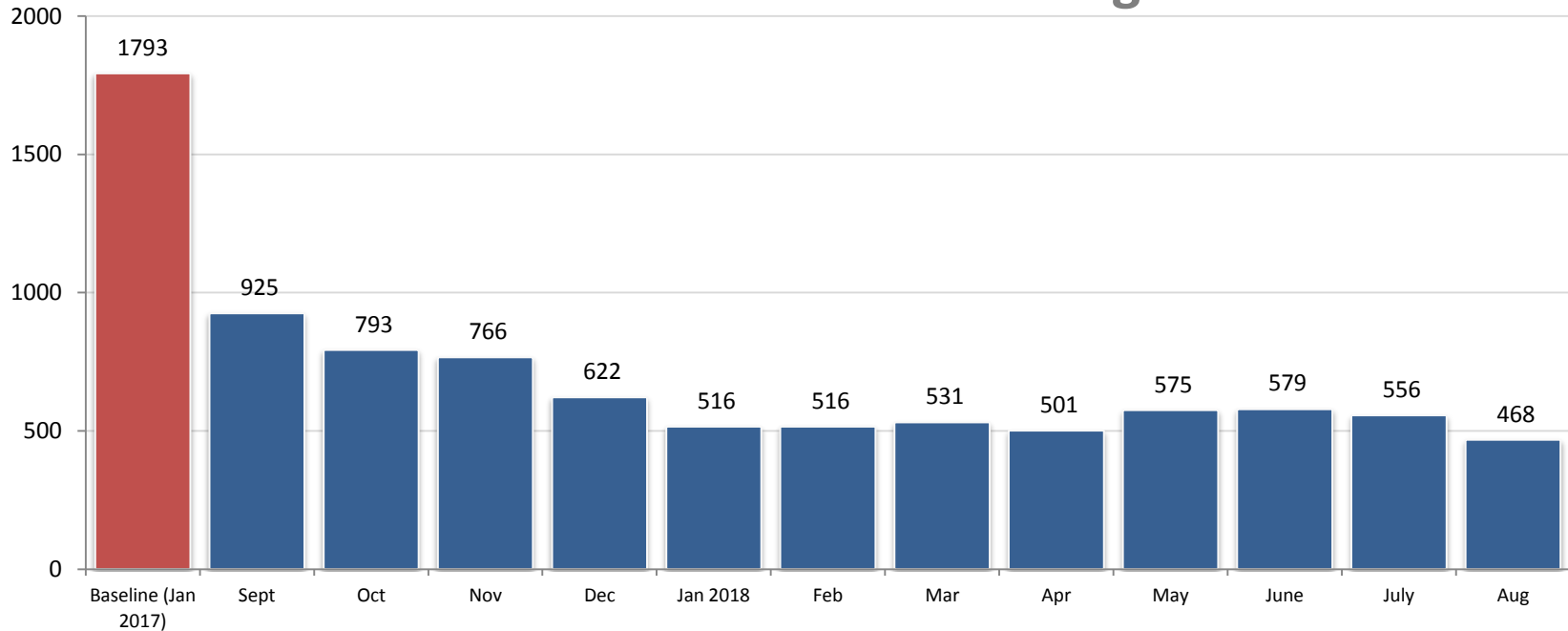


## 2018 303d List of Impaired Waters

- Approved by CWC in January 2018
- In compiling the List for submission staff uncovered a deficiency in the list PN
- MO law requires public notice of the proposed list in 6 regional newspapers however only 5 were published due to billing issues with the 6<sup>th</sup>.
- WPP had to restart the process due to this issue. Expect re-approval in October 2018

# Permit Backlog Reduction

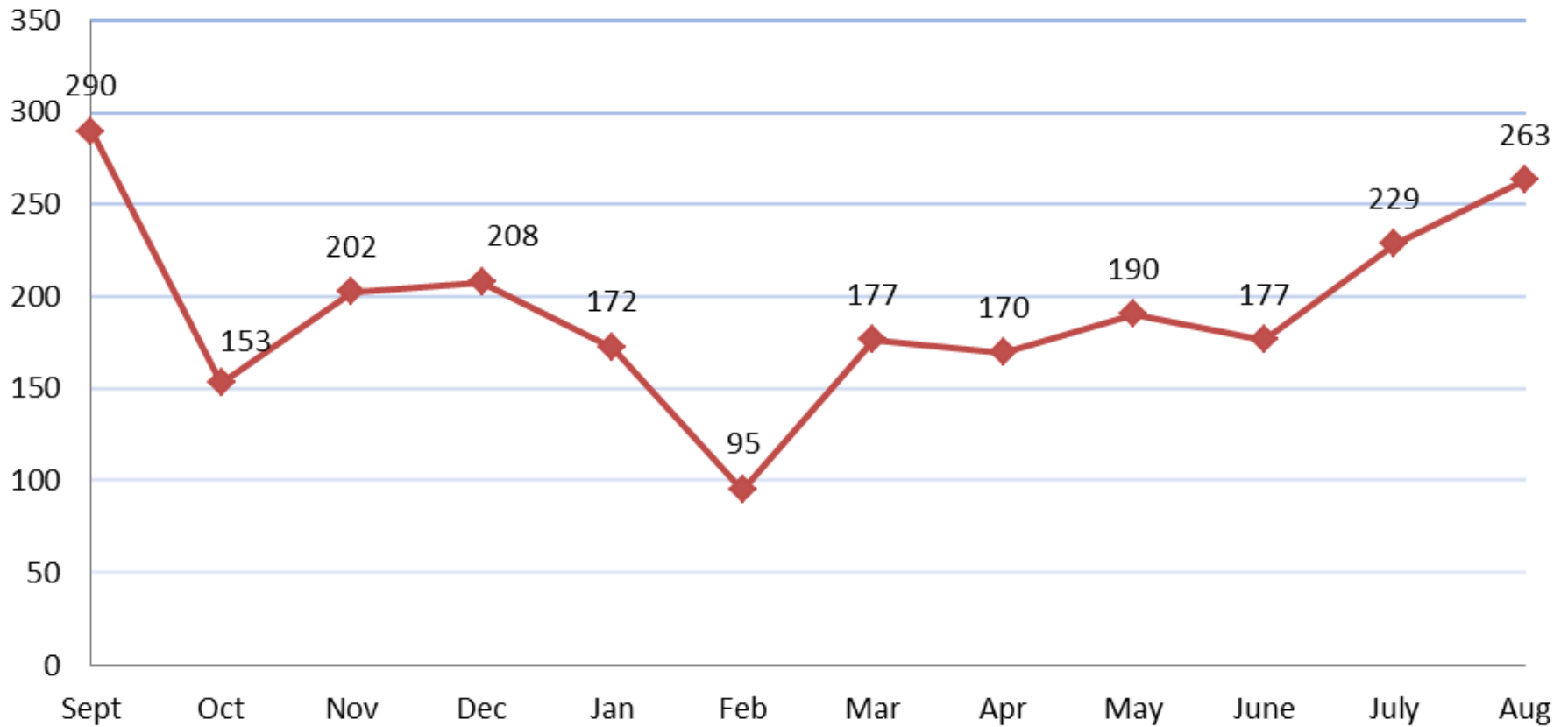
## NPDES Permits - Backlog



NPDES = National Pollutant Discharge Elimination System

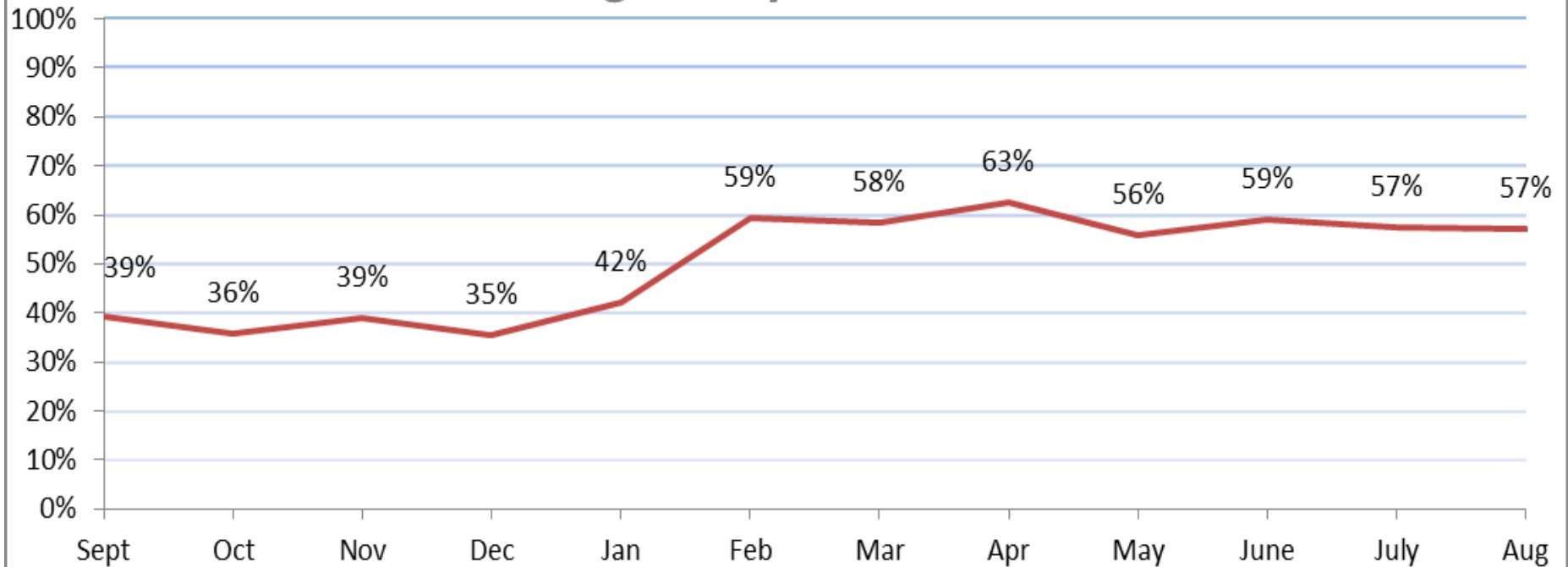


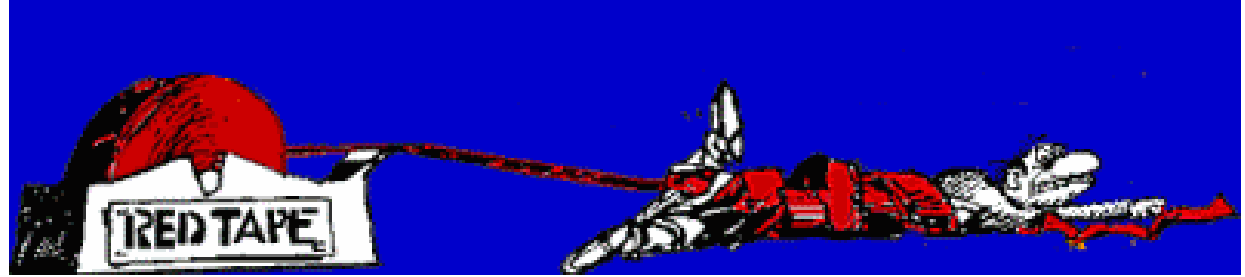
## Average Days to Issue Wastewater Permits





## Percentage of Wastewater Permits Issued Within Regulatory Timeframes





# Red Tape Reduction

- Chapter 1
- Chapter 2
- Chapter 6
- Chapter 7
- Chapter 8
- Chapter 9
- Chapter 14
- Significant Effort
- Large Staff Commitment
- No Reduction in day to day service provided by the program
- Reduced Permit Backlog at the same time
- Met our federal commitments regarding inspections

# Clean Water Commission

## New members in the last year

- J. Allen Rowland(R)  
Public Member 2  
Dexter  
Term begins: Aug 30, 2018  
Term expires: Apr 12, 2022

- Mr. John Benton Hurst(I)  
Public Member 3  
Kansas City  
Term begins: Oct 2, 2017  
Term expires: Apr 12, 2020

Mr. Stan Coday(R)  
Rep from Agriculture, Industry, or  
Mining 2  
Seymour  
Term begins: Dec 4, 2017  
Term expires: Apr 12, 2020

Mrs. Patricia Noelle Thomas(R)  
Public Member 4  
Jefferson City  
Term begins: Aug 30, 2018  
Term expires: Apr 12, 2022



# CWC Actions

- 4 Appeal decision
- Approval of WQS amendments
- Approved the 2018 Intended Use Plan for SRF
- 2 Permit Public Hearings
- Rescinded 9 rules
- Held numerous hearings on rule amendments and other actions.

# What does the future hold for the CWC

- Reductions in nutrient pollution
- Increased Public Outreach
- Increasing grant and loan opportunities for clean water infrastructure
- Maintaining current, protective, responsible, and reasonable permits





# WPP priorities for the year ahead

- Decreasing Permit Backlog and processing times
- Implementation of the Revised WQS
- Drought Mitigation
- Complete the Red Tape Reduction





# Wait there is more.....

- Continue to make progress on Nutrient Loss Reduction Strategy action items
- Increase the amount of grants and loans provided by the Financial Assistance Center
- Reduce the rate of significant non-compliance
- Start to resolving some long standing WQS issues related to TMDL's, Variances, Criteria etc.

WPP Priorities will take a team lift from DNR, the CWC and Stakeholders





## Questions for you...

- How do you think the last year went?
- What do you feel the WPP priorities should be?

# Questions for me....



# Thank You

- Questions and Comments for WPP can be directed to:

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