

# Stakeholder Group Meeting: Surface water and Drinking water criteria for PFOS & PFOA

9 October 2020

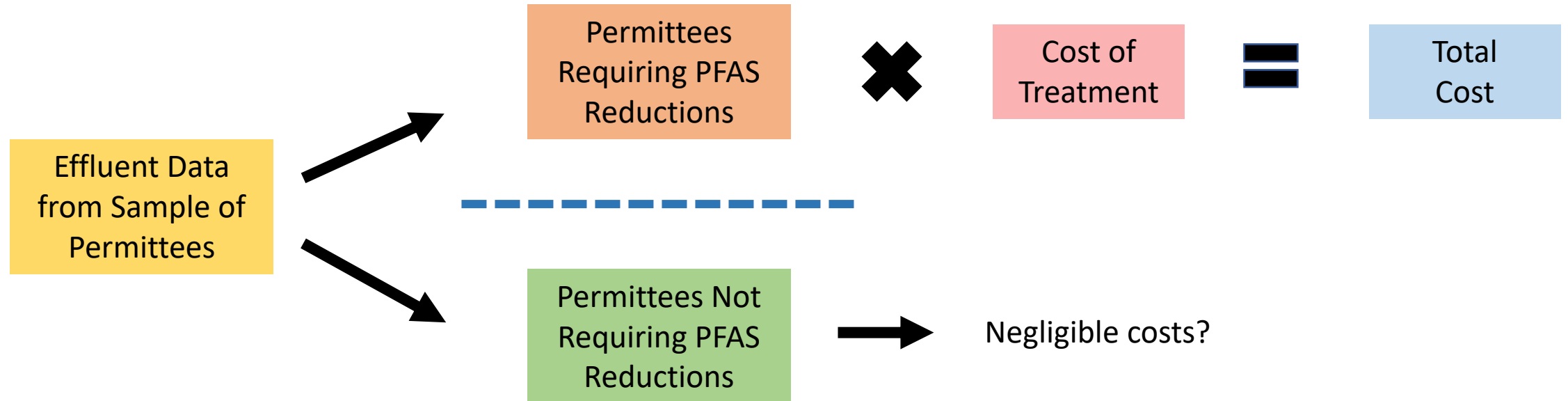
# Economic Impact Analysis: Purpose

- Economic Impact Analysis required for all permanent rulemaking pursuant to s. 227.137, Wis. Stats.
- DNR must assess economic effect of the proposed rule on, businesses, ratepayers, local governmental units, and the state's economy as a whole

Total Impacts (20 yr)	Impact Level	Comment Period for EIA
<\$50,000	Minimal	14 days
\$50,000 - \$20 million	Moderate	30 days
>\$20 million	Significant	60 days

- If impacts in any 2-year period are >\$10M, legislative action required

# Proposed Conceptual Cost Calculation Framework for Water Quality Standards EIA (Wastewater)



## Considerations

- Diverse Population
- Sample Size
- Data Source

- Site specific data or broad
- Limit Calculation Procedure
- Assimilative Capacity
- Receiving Water Data

- Assume treatment is always needed, or source reduction?
- One-time vs. annual costs
- Scalable vs. fixed costs
- Cost Basis – past projects?

- 20 Year Period
- Discount Rate

# Data Needs and Potential Sources

for Water Quality Standards EIA (Wastewater)

- Permittees Impacted
  - Effluent data from sample of permittee population
- Cost of Source Reduction
  - Treatment at source
  - Success rate of source reduction
- Cost of Treatment
  - System design – interview consultants
  - System capital costs – interview suppliers
  - System O&M costs – interview permittees
    - GAC and bag filter replacement costs
    - GAC disposal costs
    - Sampling/analytical costs – interview labs
    - Labor for system operation
- Which costs are scalable by flow?



# Benefits

for Water Quality Standards EIA (Wastewater)

- Soliciting input on:

Benefits of  
PFAS Water  
Quality  
Standards

Means of  
quantifying  
benefits to  
the extent  
possible



# Drinking Water and Groundwater Program

PFAS Stakeholder Meeting October 9, 2020

- ***PFAS sampling project at WI Public Water Systems around the state.***



# Drinking Water and Groundwater Program

PFAS Stakeholder Meeting October 9, 2020

## **Why = To Collect Data**

- ***Not a lot of data***
  - *UCMR 3 data*
  - *Select other PWS have sampled and shared data*
  
- ***More data needed***
  
- ***NR 809 PFAS rule economic analysis***




# Drinking Water and Groundwater Program

PFAS Stakeholder Meeting October 9, 2020

## **Why = Regional consistency and state recommendations**

- ***Other states in EPA Region 5 have completed or are undertaking sampling efforts at PWS.***
  - *Michigan, Ohio, Illinois, Minnesota*
- ***The multi agency Wisconsin PFAS Action Council (WisPAC) has recommended DG undertake a similar effort.***





# Drinking Water and Groundwater Program

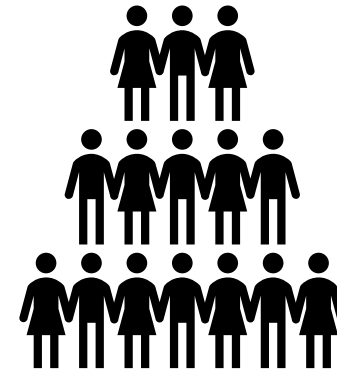
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## **What = Project Logistics**

- ***Targeted sampling pool***
- ***Sampling costs to be covered by DNR***
  - *Sampling for Wisconsin's list of 36 compounds*
- ***Additional communication and training for selected systems***

# NR 140 Groundwater Quality Rule

- Cycle 10 Rulemaking in progress for 26 substances (including PFOA and PFOS)
- Information on past & upcoming meetings available on the NR 140 update website.
  - [NR140 rule webpage](#)



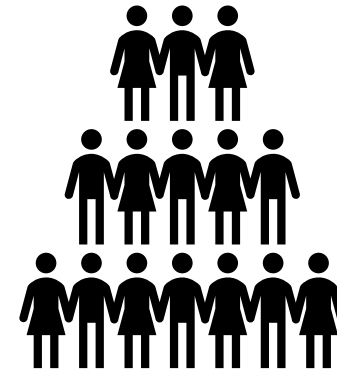
# NR 140 Cycle 10 Stakeholder Meetings

- PFAS
  - March 23, 2020
- Metals and Metalloids
  - June 9, 2020
- Volatile organic compounds (VOCs)
  - July 21, 2020
- Pesticides
  - August 25, 2020
- Bacteria 
  - October 14, 2020



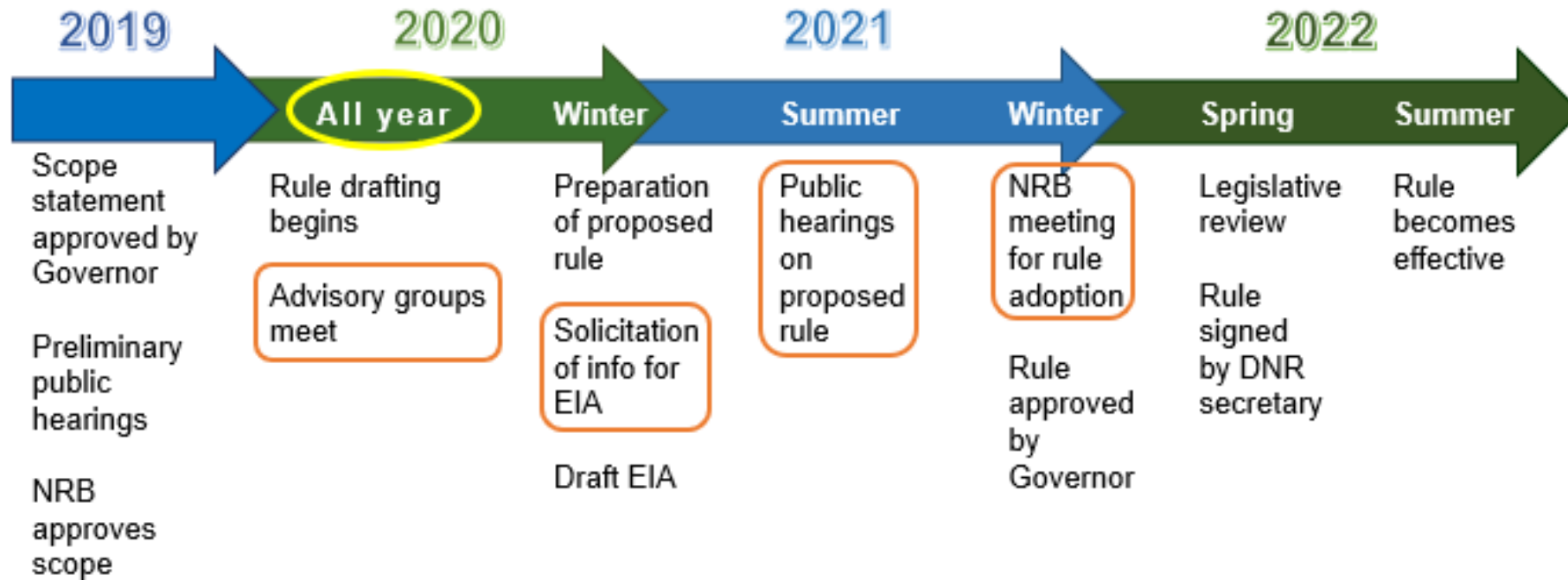
# NR 140 Groundwater Quality Rule

- Cycle 11 for 40 substances (including 34 PFAS and 6 pesticides)
- DHS currently working on recommendations (Expected Oct – Dec 2020)



# Next Steps NR 809 and 140

## Rulemaking process and timeline





# Dates

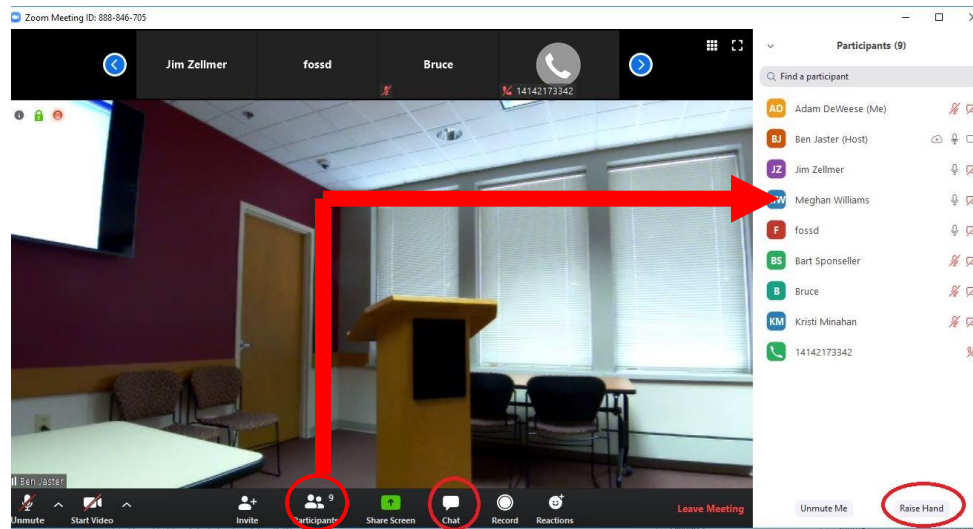
- January 2021 – Propose rule language for Natural Resources Board
- January 2021 - Complete EIA
- February 2021 - Solicitation of comments on EIA
- August 2021 -Public Hearings and solicitation of comments on Rule

# Questions



# Questions?

Here are two ways to participate:



Type your questions into the **"CHAT"** feature

**"Raise Hand"** and your microphone will be unmuted by moderator when called on