

**Public Enemy Number One:  
Nutrients --  
Phosphorus Rule Development in  
Wisconsin**

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# BACKGROUND

- Current Phosphorus Regulations in Wisconsin
- Status of Proposed Rulemaking
- POTW Contributions to Phosphorus Impairments
- Agricultural and Nonpoint

# Proposed Water Quality Standards

- Large streams 0.11 mg/l (105 ug/l)
- Small streams 0.075 mg/l (75 ug/l)
- Non-stratified lakes and impoundments 0.040 mg/l (40 ug/l)
- Stratified lakes and impoundments 0.015-0.030 mg/l (15-30 ug/l)
- Great Lakes 0.005 – 0.007 mg/l (5 – 7 ug/l)

# **Potential Impact on Water Quality Based Effluent Limitations**

**Site Specific Costs**

# **IMPLEMENTATION ISSUES**

# Compliance Schedules

- Schedule of compliance up to three permit terms.
- A sequence of actions or operations that will lead to the compliance with the water quality based effluent limitation.

# Variances

- Streamlined (rule) variances for stabilization ponds, lagoons and smaller wastewater treatment systems
- Traditional water quality variances

# TMDL Integration



# Receiving Water Design Flows

- 7Q2 flow or 3/4 of the median May through October flow
- Separate rules for lakes and reservoirs

# Expression of Limits

- Monthly average, with discussion of weekly and 30-day rolling averages and annual averages
- Mass limits vs. concentration limits – daily, weekly, monthly or annual

# **Alternative Effluent Limits**

# **Consensus Building and Alternative Approaches**