

# **Rock River Recovery**

## **Permit Limits**

# TSS and Phosphorus

- Every surface water discharger – WPDES
- Surface Water Quality Based Limits
- Weekly or daily mass limit
- Concentrations limits may be required to protect downstream waters

# **Total Suspended Solids**

For most dischargers, wasteload allocations back-calculate to concentrations similar to those in existing permits

# Total Suspended Solids

- Currently imposed concentration limit
- Monthly average and weekly average mass limits

# **Phosphorus Permit Limits**

- Technology Based NR 217.04
- WQBELs Based NR 217.13
- TMDL relationship NR 217.16
- Specified in Limits Memo or Fact Sheet

# Phosphorus Permit Limits

## Technology Based NR 217.04

- Cannot be greater than existing limit (antideg)
- Recalculated each permit term based on current performance

# Phosphorus Permit Limits

WQBELs Based NR 217.13(2)

- Need 11 data points
- Preferred to be monthly over one year

# Phosphorus Permit Limits

TMDL relationship NR 217.16

- Degree NPS contribute
- Are upstream waters meeting criteria
- Are downstream waters meeting criteria

# Interim Limits Necessity

## Technology Based Limit

- Cannot be greater than existing limit (antideg)
- Recalculated each permit term based on current performance
- Calculated (P99) (upper 99th percentile of monthly averages)

# Phosphorus Limits

## **Technology Based Limit (TBL)**

- \* Greater than 150 lbs/month for municipalities
- \* Greater than 60 lbs/month for industries
- \* Limit = 1 mg/L

## **Water Quality Based Limit**

- \*NR 217.13 Wis. Adm. Code - Concentration

## **TMDL Phosphorus**

- \* Monthly Mass Wasteload Allocations
- \* Daily Maximum Mass Limit

# Type 1

- TMDL Wasteload Allocations Take Precedence for Future Permits
- Wasteload Allocations protective of receiving water
- Technology based limits already in permits

## Type 2

- Mass Balance Calculations (NR 217)  
Take Precedence for Future Permits
- Wasteload Allocations not protective  
of receiving water or downstream lake
- Technology based limits already in  
permits

## Type 3

- TMDL Wasteload Allocations Take Precedence for Future Permits
- Wasteload Allocations protective of receiving water
- Technology based limits not in current permits

## Type 4

- Mass Balance Calculations (NR 217) Take Precedence for Future Permits
- Wasteload Allocations not protective of receiving water or downstream lake
- Technology based limits not in current permits