

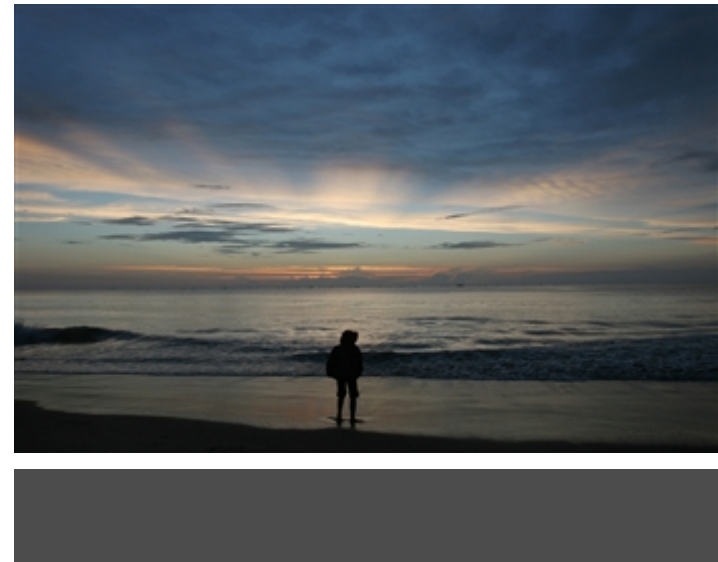
Nutrient Permitting

- Some Water Quality Permitting Rules
- Watershed-based permit examples
- MS4 Watershed-based permit examples



Rules and IL Water Quality Criteria

- EPA has a rule providing for setting water quality-based limits in permits
 - 40 CFR 122.44(d)
- EPA has a regulation providing for setting average monthly limits, unless deemed impracticable
 - 40 CFR 122.45(d)
- IL has a narrative rule prohibiting aquatic algae
- IL has numeric criteria for DO



Watershed-based Examples

- Wisconsin Adaptive Management
- Goal to meet phosphorus criteria in ambient water
- Example: Yahara River (Madison WWTP)

- San Francisco watershed-based permit
- Example: San Francisco. Bay Area Clean Water Agencies (BACWA) is preparing for the reissuance of their 2nd watershed permit (i.e., 2019), which includes optimization and nutrient management provisions:
 - <https://bacwa.org/nutrients/>

MS4 Watershed-based Permits

- Menomonee Watershed, Milwaukee, WI
 - Working on second reissuance
- Middle Rio Grande, Albuquerque, NM
 - Good example
- Minnesota PCA explored a watershed-based permit for MS4s in Ramsey Washington Watershed District, St Paul MN.
 - They decided not to move forward but their work was written up in a paper.
 - For MS4, contact: Bell.Brianc@epa.gov *and* Hewitt.Jason@epa.gov