Northeast Lakeshore TMDL:
Summary of Materials Posted for Stakeholder Review

June 25th, 2019

The Wisconsin Department of Natural Resources (WDNR), in collaboration with the United States Environmental Protection Agency (EPA), has initiated the development of a Total Maximum Daily Load (TMDL) for total phosphorus (TP) and total suspended solids (TSS) for surface waters within the basins that make up Wisconsin's NE Lakeshore. To continue stakeholder engagement efforts, the DNR has posted several files on the project website for public review and comment. Below is a description of the information posted and specific questions for reviewers.

Please send responses to questions, other additional comments, and any supporting information or data by July, 12th 2019 (and sooner if possible) via email to Kim Oldenborg (NE Lakeshore TMDL project coordinator; Kimberly.Oldenborg@wisconsin.gov)

Subbasin and Subwatershed Boundaries
File Name: Subbasin_Map.pdf (2 pages)

Description: A map of delineated subbasins in the Northeast Lakeshore TMDL. Subbasins are the main planning units for TMDL development. Subwatersheds are the units used for Soil & Water Assessment Tool (SWAT) watershed modeling. Subbasins were delineated using the following criterial: significant changes in stream flow, locations of impaired waters, locations of stream monitoring sites, and locations of wastewater treatment facilities. This map also displays the location of impaired waters and wastewater treatment facilities (see description below).

Impaired Waters
File Name: 2018_Impaired_Waters.pdf
Description: A list of surface waters impaired from total phosphorus (TP) or total suspended solids (TSS) in the NE Lakeshore TMDL. Waters on this list are displayed in the subbasin map (*Subbasin_Map.pdf*).

Wastewater Treatment Facilities
File Name: Wastewater_treatment_facilities.pdf
Description: A list of wastewater treatment facilities with individual WPDES permits in the NE Lakeshore TMDL area. The table also includes design flows (million gallons per day), baseline flows (million gallons per day), current total phosphorus (TP) limits, and current total suspended sediment (TSS) limits. The baseline flow represents the highest annual average flow between 2014 and 2018. Facility outfall locations are displayed in the subbasin map (*Subbasin_Map.pdf*).

Note Final baseline flows will be based on data from 2015 – 2019; therefore, the baseline flows currently in the table are subject to change.

Questions:

1. Are outfall locations accurate?
2. Municipal facilities- Are design flows and baseline flows accurate?
3. Industrial facilities- Is the baseline flow accurate?
4. Where is your facility in its design life? (ex. expansions? upgrades?)
5. We have collected the flow, TP, and TSS monitoring data from SWAMP (System for Wastewater Applications, Monitoring, and Permits) for the period between 2008 - present.
    - Are these data accurate?
    - Do you have any other available data for these parameters that is not in SWAMP?

Municipal Separate Storm Sewer Systems (MS4s)
File Name: MS4_Map

Description: A list of permitted Municipal Separate Storm Sewer Systems (MS4s) in the NE Lakeshore TMDL area. Maps display 1) Urban Areas as designated by the 2010 US Census Bureau and 2) municipal boundaries for cities, towns, and villages with MS4s permits. Urban Areas (2010) were acquired from the US Census Bureau's 2010 Urban Area layer. Municipal boundaries were acquired from the US Census Bureau's 2018 County Subdivisions layer. These layers will be used to estimate TP and TSS loadings from MS4s as part of watershed modeling.

Permitted area descriptions:
MS4 permitted towns

- Permit applies to areas that satisfy all of the following criteria:
    - Area is within the municipal boundary of the permit holder
    - Area drains to the permittee's MS4
    - Area is designated as Urbanized Area

MS4 permitted villages and cities

- Permit applies to all areas within municipal boundary (regardless of Urban Area designation) that drains to the permittee's MS4

County-wide MS4 permits

- Permit applies to areas within a designated Urbanized Area that drain to a MS4 and are owned by the county (ex. county roads/road right of ways, county parks, county fairgrounds, county courthouses).

Questions:

6. Do the municipal boundaries accurately capture the extent of areas that drain to your MS4?
7. Can you provide spatial data (shapefiles, etc.) or other information that defines your municipality's sewershed? This data can be used to refine MS4 loading estimates.