



**Listing Methodology Document
Public Meeting No. 1**
Department of Natural Resources
1101 Riverside Drive
Jefferson City, MO
December 10, 2019

Meeting Purpose:

An open forum for comments, questions and discussion on 303(d) Listing Methodology Document (LMD) topics.

Summary of the Topics Discussed:

1. Lake numeric nutrient criteria trend analysis
 - The Department asked for comments on the current process. The Department asked for suggestions on how to perform trend analyses in the future.
 - A suggestion was made for the Department to look at how the state of Florida is performing trend analysis for nutrients and chlorophyll-a.
 - A suggestion was made to look at watershed activities and climactic variables.
2. Incorporation of the assessment portion of the Nutrient Implementation Plan into the LMD
 - The Department is specifically looking at removing everything except pages 10 through 23 in Appendix F, Nutrient Implementation Plan (NIP). Pages 10 through 23 are specific to how lakes will be assessed against lake nutrient criteria. The rest of the NIP is not needed in the LMD. The Department is requesting comment on this proposal.
3. Process for assessing dissolved oxygen criteria when using continuously collected data
 - Currently the Department uses the 10 percent guidance from EPA and assesses using binomial probability.
 - The Department is requesting suggestions for different ways to assess continuous dissolved oxygen criteria against the minimum 5.0 mg/L water quality standard.
4. Process for assessing chronic ammonia criteria (30 day average)
 - The Department is requesting comments on the amount of data needed and the procedure for assessing against the 30-day rolling average chronic ammonia criteria. (e.g. three to five samples collected over a 24-48 hour period.)
 - A comment was made suggesting using ratios of ammonia values against the water quality standard.
5. Process for selecting small candidate reference streams.
 - The Department is planning to have University of Missouri - Columbia give a presentation at the January 14, 2020, meeting.

- Concerns and questions on “Developing Reference Reaches for Missouri Streams” (<https://dnr.mo.gov/env/wpp/waterquality/303d/docs/development-of-reference-reaches-for-missouri-streams.pdf>) are due to Robert.Voss@dnr.mo.gov by December 31, 2019.

A second Public Meeting will be held on January 14, 2020, from 1 p.m. – 3 p.m. at the Lewis and Clark State Office Building, Gasconade Camp Conference Room, 1101 Riverside Drive, Jefferson City, MO 65101.