Nutrient Science Advisory Committee

Tentative Conclusions and Next Steps

Nov 19 2015
9 am – 3 pm
167 NSRC
1101 W. Peabody Dr
Urbana, IL

Actions and Tentative Conclusions

➢ Todd Royer selected Committee Chair.

➢ The Committee will consider both N and P in developing conceptual models to guide selection of response indicators (as described in EPA Stressor Response Guidance).

➢ The Committee will consider whether there are existing data sets that could be used to support appropriate and scientifically defensible site-specific criteria.

➢ Meeting Schedule:
  o Calls: Dec 15, 2015 (2-4 pm CST), Jan 12, 2016 (2-4 pm CST)
  o Face to face: Feb 23, 2016 (9 am – 3 pm)

Next Steps

➢ Doug McLaughlin will describe risk assessment based framework (informed by Suter and Cormier 2008 paper "What is Meant by Risk-Based Environmental Quality Criteria?") and potential application to the Committee's work.*

➢ Todd Royer will summarize existing estimates of historical reference N and P concentrations. *

➢ Candice Bauer will summarize EPA 304(a) guidance documents and approved criteria.*

➢ Paul Terrio will seek information regarding the ISWS data set that includes nutrients, biological measures, and continuous dissolved oxygen for Illinois streams and rivers.*

➢ The Committee will evaluate appropriateness for Illinois of EPA's conceptual stressor/response model.

➢ The Committee will begin to evaluate the availability of existing data sets that may support site specific criteria derivation in some waters. Coordinate with Nutrient Monitoring Council when appropriate. Provide NMC with examples of the kind of data that FL, MN, and VT used to develop criteria.

➢ Doug McLaughlin will lead discussion on topics related to site specific criteria and data sets.*

➢ Illinois EPA will request status of stream classification parameters from Ann Holtrop, IDNR.

- ➢ Roy Smoger, Illinois EPA, will be invited to make a summary presentation on Illinois EPA macroinvertebrate index.*

*Tentative agenda items for next December and/or January call.