From:	Haller, Macaulay G - DNR
To:	Tim Drake (Tim.Drake@erm.com); Joe.McGaver@enbridge.com; Julie Kloss
Cc:	Haller, Macaulay G - DNR; Callan, Benjamin S - DNR; Watermolen, Dreux - DNR; Mednick, Adam C - DNR; Mulhall, Lucas - DNR
Subject:	EL5 WQ Monitoring for 2023
Date:	Monday, August 21, 2023 7:37:59 PM
Attachments:	Water Quality Monitoring Plan_Rev 2_20230803.pdf image001.png image002.png image003.png image004.png image005.png

---

Hi Tim, Joe, and Julie,

This email provides DNR feedback specifically related to Enbridge's upcoming 2023 water quality sampling events for the proposed Line 5 Wisconsin Segment Relocation Project, as described in Section 2.1.1 and Section 5 of the Water Quality Monitoring Plan (August 2023, attached for reference). The feedback below is shared with the intent of supporting Enbridge's proposed schedule to begin water quality sampling this month. **Additional comments/feedback regarding the August 2023 WQ Monitoring Plan are forthcoming**.

DNR Feedback:

- Water quality samples within waterways should be taken from a location where the water column is well-mixed

- For laboratory analysis, should the proposed analytical laboratory methods result in detection limits that are not low enough/sensitive enough to calculate results (i.e. results state multiple "non-detects" instead of quantitative values), the analytical/lab methods should be adjusted

- If waterways are dry during field sampling, physical and biological water quality parameters should still be collected

The updated WQ Monitoring Plan did not specifically reference how physical stream habitat assessments would be conducted; the DNR has multiple water quality sampling guidelines and procedures available to the public. The documents listed below can be found by searching the DNR homepage.

- Guidelines for Qualitative Physical Habitat Evaluation of Wadeable Streams (also search for form 3600 – 532A. "Wadable Stream Qualitative Fish Habitat Rating for Streams < 10m wide")
- Guidelines for Evaluating Habitat of Wadable Streams (also search for forms 3600-228, "Wadeable Stream Quantitative Habitat Evaluation")
- Flow Monitoring in Wadeable Streams
- WI DNR Field Procedures Manual, 2101 Dissolved Oxygen Meters

Please let me know if you have any questions or would like to request additional resources as you conduct water quality sampling this season.

Have a good week,

Macaulay Haller
Energy Project Liaison, Office of Energy
Wisconsin Department of Natural Resources
Cell Phone: (608) 347-0240
Macaulay.Haller@wisconsin.gov

We are committed to service excellence.
Visit our survey at http://dnr.wi.gov/customersurvey to evaluate how I did.

dnr.wi.gov