



National Water Quality Monitoring Council

Working together for clean water



WEB SEMINAR

for State, Regional, and Tribal Water Monitoring Councils, Partnerships, and Alliances

on

**Continuous Monitoring for Nutrients:
State of the Technology and State of the Science**



This Webinar will be offered on September 24, 2014 at 1:00 pm E.T. (10:00 am P.T.)

The webinar is *free* and *no pre-registration* is required. *Please login 10 minutes early.*

Website: <https://doilearn.webex.com/doilearn/tc> (Hint: may need to copy and paste link into browser)

Click on “join” next to: NWQMC: Continuous Monitoring for Nutrients: State of the Technology and State of the Science

Password: Council

Call-in toll-free number: 1-866-299-3188; **Attendee access code:** 5661187#

Featuring a presentation by:
Brian Pellerin, U.S. Geological Survey

ABSTRACT: Making water quality measurements that capture rapid changes due to storms and other events has long been a challenge for accurately measuring the sources, loads and cycling of nutrients in lakes, rivers and streams. However, advances in situ sensor technology and communications over the last 10 years has revolutionized the way water quality monitoring and research can be conducted. In particular, *in situ* optical sensor measurements for nutrients such as nitrate and orthophosphate are yielding significant insights into the sources and timing of nutrient transport, as well as real-time data for decision support. This talk will present the state of the technology for continuous monitoring of nutrients in rivers and streams and several examples from USGS studies that highlight the opportunities, challenges and importance of making comparable, high quality measurements in our Nation's waterways.

The National Water Quality Monitoring Council strives to support the creation and building of partnerships which foster collaboration among the water monitoring community, including state, regional, and tribal councils, as well as watershed groups, partnerships, and alliances. (<http://acwi.gov/monitoring/>)

