

**Joint Meeting of the
Nebraska Surface Water Monitoring Council &
Nebraska Groundwater Monitoring Council**

October 29, 2024

10:00 A.M. to 12:00 P.M.

245 Fallbrook Boulevard, Room 023, lower lever

10:00 – Introductions and Agency Updates

11:00 – Bridger Corkill, NDEE Engineer

“Nebraska Nitrate in Drinking Water Study Update”

Over the last year, the Nebraska Department of Environment and Energy conducted a study of nitrate in groundwater used for drinking water. The objective was to provide an analysis and recommend viable solutions to nitrate-impacted drinking water, including sources not regulated by the Safe Drinking Water Act (i.e., private domestic wells). This presentation will provide an overview of the study, major findings, and deliverables.

11:30 – Dr. Jessica Corman, UNL Associate Professor

“StreamNet: Semi-autonomous, high frequency sampling of ammonium, nitrate, and phosphate concentrations in streams”

Water quality managers need high quality information on nutrient concentrations in surface waters, yet sampling efforts are often only feasible on a monthly, possibly weekly, basis. The objective of the StreamNet project, a collaboration between UNL, the North Platte NRD, and Nebraska Environmental Trust, was to determine the feasibility of using high-frequency nutrient monitoring devices in impacted streams. This talk will present an overview of the monitoring device, unique insights on surface water quality from the Scottsbluff region, and recommendations for adopting the technology.