

Meeting Notes
Groundwater Monitoring Committee
April 21, 2015 – NDEQ's Van Dorn facility

Updates from around the table:

- Dave Miesbach (NDEQ) – Talked about the report to the Legislature and that he sent emails to all the NRD's for them to take a look at their Network wells and when they sample them. He also talked about the NASTF (Nebraska Annular Seal Task Force) and the plan to investigate how to place annular seals in existing wells and eventually revising Title 178 abandonment rules.
- Ryan Chapman (NDEQ) – Continuing to work with the Village of Edgar on age dating, aquifer characterization and well decommissioning.
- Dick Ehrman (LPSNRD) – Has a vadose zone nitrate survey in 11 of the District's WHPAs.
- Colleen Steele (UNL Ag Chemical Database) – Reconnected/revised the well registrations on the Clearinghouse Database with DNR's database. Twenty-one agencies have supplied 2014 data. There are now greater than 240,000 wells represented in the Clearinghouse (~465,000 data entries with ~111,000 nitrates).
- Larry Angle (LPNNRD) – Has new water allocation areas related to mid-summer water table drops.
- Amanda Flynn (USGS) – NAQWA monitoring starting up – municipal and domestic wells mainly.
- Paul Woodward (PMRNRD) – Has NET grant for new monitoring wells, northern part of district and Springfield area.
- Jane Griffin (Groundwater Foundation) - Coming out with a new smart phone app soon. 30th Anniversary of the Foundation. Fall Conference in Lincoln October 20-22.
- Ginny McGuire (USGS) – Conduction an assessment of the brackish ground water of the US.
- Dan Snow (UNL) – Age dating project for Edgar. Trying to standardize vadose zone sampling techniques. Project looking at antibiotics in soils mainly from manure application.
- Marty Link (NDEQ) – Working on several watershed management plans, hopefully to include ground water components.
- Jenny Swanson (NARD-NDEQ) – GW Tech training in O'Neil on May 28. Upcoming webinar on emerging techniques to manage resources.
- Tylr Naprstek (LLNRD) – – South Loup Watershed Management Plan kick off meeting in Callaway on May 5. This is the first irrigation season after requiring flow meters in Phase 3 Groundwater Quality Management Area. Columbus water resource assessment project initiated to analyze water quality and quantity resources in the Columbus area.
- John Miyoshi (LPNNRD) – Discussion of two Phase 2 areas and how the nitrate levels are doing there.
- Sam Capps (NDEQ) - 107 approved WHP plans and a few communities that are developing plans or are in the final stages of plan approval. Had several communities trying to develop and enforce local ordinances or zoning regulations based on WHP areas. Specific subjects that have recently been addressed include: communities

claiming their 1 mile extraterritorial jurisdiction beyond the city's corporate boundaries; using WHP areas to restrict the type of facilities allowed to be built and where wells are allowed to be drilled; and local communities ability to enforce local regulations and their procedures for issuing building and drilling permits.

- Lindsey Phillips (NDEQ) – Source Water Protection grant applications due the week of April 27.
- Laura Johnson (NDEQ) – Working on selenium impaired streams, hope to show with ground water data that the impairments are from natural causes.