

Agenda for Natural Resources Groundwater Technician Certification

Tuesday, February 27, 2017 (9:00 AM – 5:00 PM)

Kearney, NE

9:00 – 9:50

Chemigation- Instructor: Jennifer Swanson, Nebraska Association of Resources Districts

Study Materials:

- Extension circular EC 89-730-B Anti-pollution Protection when Applying Chemicals with irrigation systems.
Source: UNL/Extension office/ County Cooperative Service
- Cooperative Extension – Chemigation Videos
Chemigation Management
Chemigation Equipment
- Title 195 – Rules and Regulations Pertaining to Chemigation
Source: Available online at <http://www.deq.state.ne.us>
- Title 122 Chapter 17-005

10:00 – 10:50

Water Quality Monitoring-Instructor: Dick Ehrman, Lower Platte South NRD

Study Materials

- Nebraska Department of Environmental Quality Standard Operating Procedures (SOPs) for Groundwater Programs
SOP-GW 20, 60, 61, 100, 140 and 171
Source: Available online at <http://www.deq.state.ne.us>
 - click on “Publications & Forms”
 - scroll down to and click on “Groundwater Program”
 - Click on “Standard Operating Procedures”
 - Click on “Groundwater Standard Operating Procedures”
- Groundwater Technical Procedures of the USGS (GWPD)
 - GWPD 1, 3, 4, 9, 13, 14
- Practical Handbook of Groundwater Monitoring – Nielsen
Chapters 6, 9, 11, 12, 13 and glossary
Source: Local NRD office, library, or can be ordered on line at <http://www.amazon.com> or www.bn.com

11:00 – 11:50

Static Water Level Measurements & Geology-Instructor: Ginny McGuire, U.S. Geological Survey

Study Materials:

- Practical Handbook of Ground-Water Monitoring Nielsen
Source: Local NRD office, library, or can be ordered on-line at www.amazon.com or www.bn.com
- USGS 7.5 Min Quad Map

12:00 – 12:50 (LUNCH ON YOUR OWN)

1:00 – 1:50

Flow Meters-Instructor: Ken Quandt – McCrometer Great Plains

Study Materials:

- McCrometer Great plains propeller meter installation recommendations
- McPropeller Flowmeters: Installation, Operation, & Maintenance Manual
- McPropeller Configuration Sheet Bold-On Saddle Flowmeter
- Ken Quandt, Great Plains Meter, Inc. or Local NRD

2:00 – 2:50

Well Licensing & Certificate Requirements- Instructor: Tom Christopherson – Nebraska Department of Health & Human Services

Study Materials:

- Title 178 – Environmental Health , Chapters 10, 11 and 12
Source: Available online at http://dhhs.ne.gov/publichealth/Pages/enh_wvs_regs.aspx
US Geological Survey 71/2 minute quadrangle map
- Uniform Credentialing Act 38-148, 38-185
- Water Well Standards and Contractors Practice Act 46-1208.02

3:00 – 5:00 (Exam)