**Agenda for Natural Resources Groundwater Technician Certification**

**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: Source: Available online at <http://www.deq.state.ne.us>

**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](http://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](http://www.amazon.com) or [**www.bn.com**](http://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
* McCrometer Propeller Meters Over-Run Capability

**2:00 – 2:50**

**Well Licensing & Certificate Requirements-** Instructor: Dave Miesbach – Nebraska Department of Environment and Energy

 Study Materials:

* Title 178 – Environmental Health , Chapters 10, 11 and 12

Source: Available online at <http://dhhs.ne.gov/publichealth/Pages/enh_wws_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