

STATE COORDINATING COMMITTEE ON GROUND WATER

Ohio Environmental
Protection Agency
Lazarus Government Center
Columbus, Ohio 43215-1049

**To promote and guide the implementation of a coordinated,
comprehensive and effective ground water protection and
management program for the state of Ohio**

Ohio Department of Natural
Resources
Fountain Square
Columbus, Ohio 43224-1387

**August 20, 2015
Horace R. Collins Classroom
ODNR Division of Geological Survey – Alum Creek**

Ohio Department of Health
246 North High Street
Columbus, Ohio 43266-0588

The August 20, 2015 meeting consisted of Agency announcements, and a presentation by Cheryl Green (Hull & Associates) titled "Ohio Water Withdrawal Evaluation Model – Beyond A Concept"

Ohio Department of
Commerce-SFM
8895 East Main Street
Reynoldsburg, Ohio 43068

ATTENDANCE

Ohio EPA: Barb Lubberger, Jeff Patzke
ODNR: Jim Raab, Rick Trippel
USGS: Rob Darner

Ohio Public Utilities
Commission
180 East Broad Street
Columbus, Ohio 43266-0573

AGENCY UPDATES AND ANNOUNCEMENTS

Ohio EPA, Division of Drinking and Ground Waters:

Radionuclides. The Technical Paper and Fact Sheet on radionuclides in ground water is now available on the DDAGW website, accessed through the following links.

http://epa.ohio.gov/Portals/28/documents/gwqcp/rads_ts.pdf

http://epa.ohio.gov/Portals/28/documents/gwqcp/rads_factsheet.pdf

Ohio Department of
Agriculture
8995 East Main Street
Reynoldsburg, Ohio 43068-
3399

Microbial Drivers of Iron and Arsenic Mobilization in Ohio Aquifers. DDAGW is supporting Dr. Mike Wilkins, OSU, in his request for OWDA funding for this research. Dr. Wilkins has collected data from DDAGW's Ambient Ground Water Monitoring Network for this project.

Ohio Department of
Development
77 South High Street
Columbus, Ohio 43266-0413

Ohio Department of Health, Bureau of Environmental Health:

Recycled Rules development:

--ODH is looking at treating to different categories of end-use (potable re-use and non-potable re-use)

Ohio Department of
Transportation
1980 West Broad Street
Columbus, Ohio 43215

--This will change the way water treatment products and processes are approved in Ohio. Looking at a model similar to what the sewage program uses to approve products for residential use in Ohio.

--ODH has convened an expert panel to help determine water quality parameters and standards that recycled water products will be tested against to demonstrate performance, and is waiting for feedback before moving forward with additional rule development.

Newcomerstown Investigation. In January 2015 diesel fuel was released from a damaged locomotive in Newcomerstown, Ohio in an area called the Mizer addition. Out of 70 sites sampled for VOCs by ODH and Ohio EPA, there were 15 sites with detections of PCE. Six of the sites had at least one detection above the MCL of 5 ug/L. The highest level detection was 8.2 ug/L. Nine sites had detections below the MCL with 4 of those sites in the 3ug/L to 4 ug/L range.

Residents with PCE detections were provided health and water treatment information from ODH and the Tuscarawas County Health Department. Bottled water was initially provided by the Tuscarawas County EMA. Public water is available and plans are being evaluated for extending public water, but there appears to be resistance from some of the residents to connecting to public water.

Ohio Department of Natural Resources, Division of Soil and Water Resources:

Replacement for ERIN. The new map-based search application for well logs is up, listed as “mobile device compatible” version. ERIN is still operating and accessible, but runs on an aged server, and will be removed before long.

“Protect Your Groundwater Day” ... will be September 8, 2015.

Ohio Department of Natural Resources, Division of Oil and Gas Resources:

New Rules. On June 16th, new rules for pad construction became effective (OAC 1501-9-02). The next big focus will be rules for facilities, including closure rules.

Oil and Gas Permits. Permitting has dropped off some in recent months due to the low price of petroleum, but permits are still coming in.

United States Geological Survey, Ohio Water Science Center:

Climate Response Network. The Office of Ground Water is expanding its national Climate Response network, and the Ohio Center must provide ten Climate Response wells distributed across the state. Nine wells have been located; a tenth is being sought in southeast Ohio, specifically Muskingum, Guernsey, Perry, Morgan, Noble, Monroe, Belmont, or Washington Counties. The well should satisfy the following required minimum criteria:

- Open to a single, known hydrogeologic unit
- Known well construction that allows good water-level measurements
- Located in unconfined aquifers or near-surface confined aquifers that respond to climatic fluctuations
- Minimally affected by pumpage and likely to remain so
- Essentially unaffected by irrigation, canals, and other potential sources of artificial recharge
- At least 10 years of data collection (prefer continuous record)
- Long-term accessibility
- The well or spring has never gone dry (not susceptible to going dry)

Additional desired characteristics:

- Representative of broad area (e.g., a major or regional aquifer)
- Complete characterization of the site is available
- Lithologic and geophysical logs available
- Alternative well identified for each site

HABs Article. Donna Francy has an article coming out on harmful algal blooms.

WORKGROUP UPDATES

Updating the Well Construction Guidance Document. A survey concerning the usefulness of this document was sent to Ohio well drillers and AIPG members. Out of 19 responses, 12 saw a benefit in updating the document. Since ODH is currently conducting a five-year rule review for their private well system rules, SCCGW agreed that it would make sense to wait until those rules were revised, and we would organize a workgroup most likely in early 2016. Already six individuals have volunteered to participate on the workgroup.

PRESENTATION

Cheryl Green, from Hull & Associates, presented “Ohio Water Withdrawal Evaluation Model – Beyond A Concept”—a project proposed for OWRC grant funding to develop a water withdrawal evaluation tool. This would be used to provide guidance to entities wishing to develop a facility in Ohio that will require specific amounts of ground water or surface water. The proposed model would use the Ecological Limits of Hydrologic Alteration (ELOHA) framework, combining science-based data (hydrologic data, stream classifications, flow alteration data and flow – ecology relationships) with social/economic factors. The grant , which is co-sponsored by ODNR’s Division of Soil and Water Resources, requests \$50,000 for development of the science-based portion.

NEXT SCCGW MEETING

Will be held October 15th, at ODNR’s Assembly Center East, in Building E. Jim Raab will demo the new map-based well log search engine and Mary Ann Thomas is scheduled to give a presentation on arsenic in Ohio’s ground waters.

REMINDER:

Meeting agendas and final meeting summaries are posted on the SCCGW website at <http://epa.ohio.gov/ddagw/sccgw.aspx>