

# STATE COORDINATING COMMITTEE ON GROUND WATER

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

December 20, 2013  
Der Dutchman Restaurant  
Plain City

*The December 20, 2013 meeting consisted of Agency announcements, workgroup updates, discussion of OWRC action items and convening a drinking water source capacity workgroup, and a presentation by Lindsay Taliaferro on hydrogeologic evaluation of Ohio's C&DD facilities.*

## ATTENDANCE

Ohio EPA: Mike Eggert, Barb Lubberger, Jeff Patzke, Aaron Shear, Lindsay Taliaferro  
ODNR: Frank Fugitt, Jim Raab  
ODH: Rebecca Fugitt  
ODOT: Hans Gucker, Becky Humphreys  
USGS: Ralph Haefner  
Visiting: Tom Allen (Trout, Unlimited)

## AGENCY UPDATES AND ANNOUNCEMENTS

**Ohio EPA, Division of Materials and Waste Management:**  
5-Year Rule Review. The division is conducting a five-year rule review. Ground water monitoring is one topic that will be addressed.

Post-Closure. The agency currently is discussing how to handle regulated entities that will soon complete their post-closure activities. The division is evaluating whether/when to extent some kind of post-closure oversight, and what activities would be involved.

### **Ohio Department of Health:**

Sewage Rules. ODH issued the second draft of the new rules for comment from November 12 to December 12. Now the Advisory Board will have 30 days to review and make recommendations. ODH hopes they will be effective as of May 1, 2014.

CDC Grant. The Center for Disease Control is funding a grant to compare Ohio's distribution of disease data with geologic data such as the location of abandoned mine lands and karst. The grant effort will start in January 2014. Approximately \$143,000 will be provided for each year of the two-year grant.

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

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

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

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

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

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

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

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

“Test-Understand-Protect” Water Quality Web Application. The web application, which will be housed at OSU Extension, is designed to help private well owners understand water quality data from their wells. It should be ready for some external testing in January 2014, and will be unveiled for Ground Water Awareness week in March.

***Ohio EPA, Division of Drinking and Ground Waters:***

Fact Sheets. The division’s technical paper and fact sheet on radionuclides in Ohio ground waters are still being finalized.

Pipeline Fact Sheet. DDAGW has also completed a fact sheet on oil and gas liquids pipelines as they relate to source water protection areas.

Hydrogeologic Sensitivity Assessment Guidance. The guidance documents for conducting hydrogeologic sensitivity assessments (HSA) and assessment source water monitoring (ASWM) for the Ground Water Rule are nearly final.

Program Enhancement. DDAGW is looking at how to enhance its ground water quality characterization program, in terms of adjusting its ambient sampling protocols, developing different kinds of reports, initiating different types of field investigations, expanding Web access, etc.

New Class I UIC Well. A new Underground Injection Control Class I well has been proposed for Husky Oil, in Lima.

Voluntary Action Program (VAP) Rules. DDAGW is working with the Division of Environmental Response and Revitalization on ground water-related portions of their VAP rules.

2014 Integrated Report. DDAGW staff are finishing up ground water related sections of the 2014 Integrated Water Quality and Assessment Report. This report is completed every two years and summarizes water quality data for both surface water and ground water over the preceding two years.

***Ohio Department of Natural Resources, Division of Geological Survey:***

Surficial Mapping Projects. Mapping of surficial glacial deposits for the Adrian and Bellefontaine quads is now complete. Mapping has begun on the Rainsboro 1:24,000 project and continues on the Hillsboro 1:100,000 quadrangle.

Bellevue Karst Project. The Coalition project is ongoing to map karst points south of Bellevue in Seneca County.

Coastal Erosion Project. The Survey is doing further studies required by the Office of Coastal Management (OCM) for the Textural GIS project, providing OCM a map book of profiles, aerial views, and volumes of coarse sediment that can be eroded from the bluffs, given the predicted recession rates.

Geothermal Energy Project. The Survey is completing the 3-year DOE/AASG-funded Geothermal Energy Project.

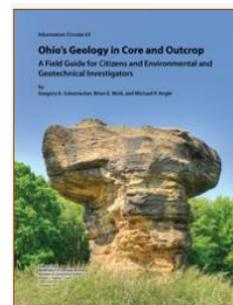
Carbon Sequestration. The Survey has initiated the next phase of the Midwest Regional Carbon Sequestration project.

RPSEA Project. Work continues on this project, which involves mapping target formations for brine waste disposal in eastern Ohio for the Research Partnership to Secure Energy for America (RPSEA).

Conference. The division recently hosted a multi-state conference for the Utica Consortium group at Alum Creek.

Division Projects. The Survey is also working on various projects for the Division of Oil and Gas Resource Management and the Office of Coastal Management.

Publication on Near-Surface Geology. In November the Survey released a new information circular detailing the state's surficial deposits and near-surface bedrock units, titled *Ohio's Geology in Core and Outcrop—A Field Guide for Citizens and Environmental and Geotechnical Investigators*. The authors are ODNR staff Greg Schumacher, Brian Mott, and Mike Angle. More information is available at <http://www2.ohiodnr.com/geosurvey/extra-news-archives/2013-articles/ic-63-core-outcrop-feild-guide>



***Ohio Department of Transportation:***

Salt Application. Road crews are busy with application of road salt during this unusually heavy snow season.

MS4 Audit. ODOT is undergoing an audit of its facilities for storm water regulation compliance.

New Design. The agency is securing financing to replace its circular salt barns with three-sided concrete and canvas facilities, which are more durable and easier for equipment to move around in.

Beneficial Re-use. ODOT is discussing how to ensure that the construction debris and clean fill they sell for beneficial re-use is in fact being properly used after it leaves ODOT's oversight.

Research on Recycling Brine. Research is ongoing regarding the use of wash water from salt spreaders to provide brine for application to roads.

Public/Private Partnerships. Some ODOT facilities are being built by other entities, to reduce time required for design. For example, a facility in Toledo was recently constructed by the Toledo Port Authority.

Underground Storage Tanks. ODOT facilities' underground storage tanks are all being removed and replaced by above-ground storage tanks.

BMPs for Urban Areas. Having concluded that 'exfiltration trenches' and other small, local measures are not cost-effective for extremely urban areas, ODOT is looking for other, more effective BMPs. They have just funded a position at ODNR to research this question, which will initially involve a lot of modeling. Later, the position will return to ODOT for funding and management of selected options.

***United States Geological Survey, Ohio Water Science Center:***

Budget. The Congressional budget that is expected to be signed today provides no cuts in long-term funding, but is still subject to restrictions imposed by the sequester, which Congress has not yet rescinded. As a result, some stream gages may need to be dropped. Also, USGS remains under a hiring freeze.

Retirement. Jim Manguas, who started at USGS in 1967 and advanced to Data Chief, is retiring after 46 years.

Utica Shale Water Quality. The Survey continues to contact oil/gas industry firms and request permission to sample oil and gas wells completed in the Utica Shale to analyze the water quality of its brines.

Noble County Proposal. The Survey is still waiting to hear about its proposal for a project with OSU, to be funded by the Research Partnership to Secure Energy for America (RPSEA) that will involve installing and sampling monitoring wells before the installation of a nearby oil and gas well. The proposed project site is in Noble County and is owned by OSU.

Antioch Geothermal Project. Antioch College is preparing to install an extensive geothermal heating/cooling system on campus and has talked to USGS about conducting a thermal study there.

New Publication. USGS just released a publication titled *Methane Occurrence in Groundwater of South-Central New York State, 2012: Summary of Findings*, by Paul Heisig and Tia-Marie Scott, Fact Sheet 2013-3118, December 2013. The document is available at <http://pubs.usgs.gov/fs/2013/3118/pdf/fs2013-3118.pdf>

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

Staff Changes. The new division chief is Mike Bailey. Mike had been the division's Assistant Chief for the past year. Prior to coming to the division, Mike worked for the Department of Agriculture. Ted Lozier, Assistant Chief of the division, will be leaving January 10th to take a position with the Muskingum Watershed Conservancy District.

Timken Dewatering Issue. The Timken dewatering report should be out in January 2014. It discusses private well dewatering that occurred around the Timken plant in Canton last year, due to pumping for construction purposes. Since then, water levels have returned to normal.

**WORKGROUP UPDATES**

Well Sealing Workgroup: The workgroup is finishing up, and expects to have the document ready for review by February or March.

**DISCUSSION**

OWRC Action Items. On behalf of the Ohio Water Resources Council (OWRC), Mike Eggert distributed OWRC's Action Item Status Report, dated May 15, 2013, and asked the group if they had any ground water-related items to recommend adding to the list. Categories include Education and Outreach, Watershed Management, Water Quality, Water Quantity, Data and Information, Water Infrastructure, and Water-Related Natural Hazards. Recommendations should be forwarded to Mike by early January.

PWS Source/Aquifer Capacity. Mike also recruited members for a workgroup DDAGW is organizing to develop guidance for public water systems using ground water, to determine if they have adequate source capacity into the future. Interested members should contact Mike by early January.

### **PRESENTATION**

Lindsay Taliaferro (Ohio EPA, DDAGW) gave a presentation on the division's hydrogeologic evaluation of Ohio's C&DD facilities.

### **NEXT SCCGW MEETING**

... will be February 20, 2014 at the ODNR Assembly Center. Doug Aden is tentatively scheduled to give a presentation on the Ohio Geological Survey's study of karst in the Bellevue area, Seneca County.

#### **REMINDER:**

Meeting agendas and final meeting summaries are posted on the SCCGW Web site:

<http://wwwapp.epa.ohio.gov/ddagw/SCCGW/>