

# 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

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Ohio Public Utilities  
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Ohio Department of  
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Ohio Department of  
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77 South High Street  
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Ohio Department of  
Transportation  
1980 West Broad Street  
Columbus, Ohio 43215

October 17, 2013  
ODNR Fountain Square Campus  
Building I Conference Room

*The October 17, 2013 meeting consisted of Agency announcement, workgroup update, and a presentation by Chris Kenah (OEPA) on 'radionuclides in Ohio ground waters'.*

## ATTENDANCE

Ohio EPA: Barb Lubberger, Jeff Patzke, Aaron Shear  
ODNR: Frank Fugitt, Jim Raab, Tom Tomastik  
PUCO: Sue Daly  
ODOT: Hans Gucker

## AGENCY UPDATES AND ANNOUNCEMENTS

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

Permitting status. Currently, in the Marcellus Shale there are two rigs operating, 35 permits approved and 18 wells drilled. In the Utica Shale there are 30 rigs operating, 927 permits approved, and 577 wells drilled.

AK Steel Propane Storage Cavern. Recently the division and USGS met with Enterprise and AK Steel concerning underground propane storage on AK Steel property in Butler County.

Rules. The division is busy developing rules for numerous issues, including temporary storage, radioactive materials, spill prevention, countermeasures and control (SPCC) plans, impoundment construction, and others. Drafting should be complete by January 2014.

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

Fact Sheets. The division's technical paper and fact sheet on radionuclides in Ohio ground waters will be finalized within the next couple weeks.

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

Water Quality Web Application. The division continues to work with ODH and The Ohio State University to develop a web-based application that will help private well owners understand water quality data from their wells. The application is currently undergoing testing and review, and should be online in March, 2014.

Water Well Standards. The workgroup revising the water well rules has been granted a 3-6 month extension, to ensure that the rules on well abandonment are consistent with the SCCGW guidance that is currently being revised by a separate SCCGW workgroup, and to address questions regarding how Ohio EPA would grant variances.

***Public Utilities Commission of Ohio:***

Ohio American Water Company. The American water company, which sold its Ohio plants to Aqua-Ohio several years ago, is returning to Ohio, but will only be providing water for nonpotable uses, primarily for the oil and gas industry in eastern Ohio. Service will be in Ashtabula County.

***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 Hillsboro 1:100,000 quadrangle.

Bellevue Karst Project. The Survey has initiated a project to map karst points south of Bellevue in Seneca County. The Bellevue Quad karst mapping and map book is complete.

Coastal Erosion Project. The Survey is completing its Textural GIS project, providing the Office of Coastal Management with a map book of profiles, aerial views, and volumes of coarse sediment that can be eroded from the bluffs given the predicted recession rates. Also, the division is initiating planning for the next Coastal Erosion Area mapping process.

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).

***Ohio Department of Transportation:***

Staff Reductions. ODOT continues to reduce staff by not replacing staff who are retiring.

Research on Exfiltration Trenches. ODOT has eliminated exfiltration trenches from the Location and Design Manual due to research findings. Plans for developing a mitigation program are ongoing.

Research on Recycling Brine. ODOT is also conducting research on recycling wash water from salt spreaders to provide brine for application to roads. One challenge is that the recycled water tends to exceed water quality standards for copper and zinc.

Brine from Oil. Aquasalina, a company in Brecksville, is researching the feasibility of filtering oil from oil/gas industry wastes, leaving a brine clean enough to use for deicing.

New Facilities. ODOT is building over a dozen new facilities around the state under public/private partnerships.

***Ohio EPA, Division of Materials and Waste Management:***

Annual Meeting. The Association of State and Territorial Solid Waste Management Officials (ASTSWMO) is holding its annual meeting in Washington D.C. on October 29-30. The theme of the meeting will focus on challenges with ground water. DDAGW's Lindsay Taliaferro III will

present the Division's hydrogeologic evaluation process at construction and demolition debris landfills.

"TENORM". How to safely manage Technologically-Enhanced, Naturally-Occurring Radioactive Materials ("TENORM") is currently a major topic of discussion because of the challenge of handling the various waste streams generated from unconventional oil and gas wells being completed into the Marcellus and Utica Shales. Ohio EPA DMWM has created a new guidance document pertaining to TENORM acceptance at Solid Waste Landfills and Transfer Facilities.

House Bill 59. House Bill 59 requires that, effective Sept. 29, 2013, solid waste landfills accepting waste substances resulting from unconventional oil and gas wells that are TENORM must first obtain representative analytical results to ensure compliance with applicable law. Samples exceeding 5 picocuries per gram, above natural background, may not be accepted for disposal.

***Ohio Department of Natural Resources, Division of Soil and Water Resources:***  
OWWA Conference. The Ohio Water Well Association (OWWA) is holding a conference on Thursday, November 7<sup>th</sup>.

WMAO Conference. The Water Management Association of Ohio (WMAO) is holding its fall conference on November 13-14 at the Quest Center, near Polaris.

Well Log System. Recently the Department tried to move the well log database server downtown, but that caused the in-house system to lose connectivity in the process. Staff have not been able to enter data into the system for three weeks. When the transition is complete, drillers will be obliged to file all well logs and well sealing reports electronically (currently about 85% of them do).

Wadsworth Public Meeting. On November 12<sup>th</sup> the Village of Wadsworth will hold a public meeting on the results of ground water level monitoring that was conducted to address local concerns about potential dewatering of private wells by a new wellfield. Up to one million gallons/day were pumped for a year, but the monitoring wells showed no significant decline in ground water levels.

Timken Dewatering Issue. The division is currently writing up a report on the private well dewatering that occurred around the Timken plant in Canton last year, due to pumping for construction purposes. The company drilled 35 new wells for affected property owners. The report should be out in December 2013.

## **WORKGROUP UPDATES**

Well Sealing Workgroup: The workgroup's next meeting is October 22<sup>nd</sup>, from 1-4. They anticipate having 1-2 more meetings, then addressing comments, and issuing the revised Well Sealing Guidance in early 2014.

Geothermal Guidance. A meeting is scheduled for October 24<sup>th</sup> to address incorporating information on horizontal drilled wells, direct exchange wells, and the Department of Commerce's authority into the guidance document. Also, the workgroup will discuss potential rule changes.

## **PRESENTATION**

Chris Kenah gave a presentation on "Radionuclides in Ohio's Ground Waters".

## NEXT SCCGW MEETING

... is the annual holiday meeting, which is scheduled for **December 20<sup>th</sup>** (a Friday) at **Der Dutchman** in Plain City (see map below). Doors will open at 8:00 am; the meeting will start at 8:30 am. Lindsay Taliaferro III will present on Ohio's process for ground water monitoring at construction and demolition debris landfills.



### REMINDER:

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

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