

# STATE COORDINATING COMMITTEE ON GROUND WATER

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

**June 16, 2016  
ODNR Fountain Square Campus  
Building E, Assembly Center East**

*The June 16, 2016 meeting consisted of Agency announcements, election of a new chairperson, and a presentation by Greg Koltun (USGS) titled "Upper Scioto River Basin—Hydrologic Effects of Potential Changes in Climate, Water Use, and Land Cover."*

## **ATTENDANCE**

Ohio EPA: Barb Lubberger, Jeff Patzke, Aaron Shear, Craig Smith  
ODNR: Jim Raab, Nathan Erber  
ODH: Rachel Townsend  
PUCO: Sue Daly  
USGS: Rob Darner

## **AGENCY UPDATES AND ANNOUNCEMENTS**

***Ohio Department of Natural Resources, Division of Water Resources: Chesterville Quarry.*** A permit has been issued to a company to mine aggregate within less than a half mile from Delco's test drilling site. Four million gallons/day of ground water will be pumped out of the quarry. Delco is looking to install additional wells and is concerned that pumping from the quarry will lower water levels beneath this site making it less favorable to expand their wellfield in that direction.

**Flowing Wells Report.** A study of a band of flowing wells in northwest Ohio has been completed; the division hopes to make it available online by the end of June.

**Water Withdrawal Reporting.** Currently, 86 ground water facilities and nearly 100 surface water facilities have not turned in reports of their 2015 water withdrawals. Facilities that have not turned in reports by July 2016 may be referred to enforcement.

**Waukesha Update.** An official vote will be taken in Chicago next Tuesday by the signatories to the Great Lakes Compact on whether to allow the City of Waukesha, Wisconsin to purchase Lake Michigan water.

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

Reorganization. The solid waste program, which combined with part of the Hazardous Waste Program in the Division of Materials and Waste Management (DMWM) about five years ago, is now being split out again into a separate division, with Terri Termeer as chief and Rick Carleski as assistant chief. The Hazardous Waste Program has moved to the Division of Environmental Response and Revitalization (DERR).

C&DD Rules. The Construction Demolition and Debris rules have been tweaked to provide a single list of parameters for both leachate and ground water monitoring. (Formerly, the two lists were different, and operators were sometimes confused about which list to use.) The list will become effective in October, 2016.

C&DD Landfill Assessments. The division currently has two C&DD landfills under orders to complete ground water assessments. An additional 14 facilities may be required to complete ground water assessments in the near future, as well as another 35 facilities over the next 15 months.

Landfill rules for TENORM. As part of solid waste rule updates to include Technologically Enhanced Naturally Occurring Radioactive Materials (TENORM), Radium 226 and 228 are being added to the list of parameters to monitor in municipal landfill leachate.

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

Nutrient Reduction Strategy Workgroup. This workgroup was recently briefed by Mike Slattery regarding Ohio EPA's data on nitrate in ground water. The group is anticipating the receipt of similar data from Heidelberg College, which will quadruple the database. The next workgroup meeting will be August 2<sup>nd</sup>.

Region V SWAP Managers Meeting. Ohio EPA will host the 2016 Region V SWAP Managers Meeting at Maumee Bay State Park on October 3-5, 2016. There is significant interest among the various state SWAP managers in putting discussions of nutrient issues on the agenda, and inviting USGS staff from the various state water science centers to participate.

PFOA/PFOS in Ohio Ground Water. Perfluorooctanoic acid (PFOA) and perfluorooctanoic potassium salt (PFOS) are "emerging contaminants" that have no MCLs yet but have a HAL of only 70 parts per trillion. These compounds were used formerly for fire fighting at air force bases. DDAGW is developing a plan for sampling wells near seven air force bases in Ohio, to determine whether these compounds are present in ground water.

Salt Pile Siting Inquiry. Mid-American Salt wants to site an industrial salt pile in Belpre, along the Ohio River so salt could be transported along the river in barges. The pile would be covered by tarps only, and the site is near the Little Hocking wellfield and partially within a source water protection area. At this location the DRASTIC rating, which measures susceptibility of ground water to contamination, is very high. Based on the siting recommendations in the Ohio Water Resources Council's Salt Storage Guidance, DDAGW is recommending that the Division of Surface Water *not* issue a Permit-to-Install for this site.

Devola Investigation. DDAGW is developing a workplan for installing permanent monitoring wells in Devola, a community along the Muskingum River with high nitrates in the ground water. An OEPA investigation five years ago indicated these nitrate levels were due to the many dry wells in this area, which are used in many cases to dispose of untreated septic wastes into the

aquifer. However, many in the community do not want to tie in to a sanitary sewer. They argue that the nitrate levels are not related primarily to septic releases, and state that more ground water quality data should have been taken from the surrounding agricultural areas and the portion of town serviced by sanitary sewers. The new investigation is intended to address these complaints.

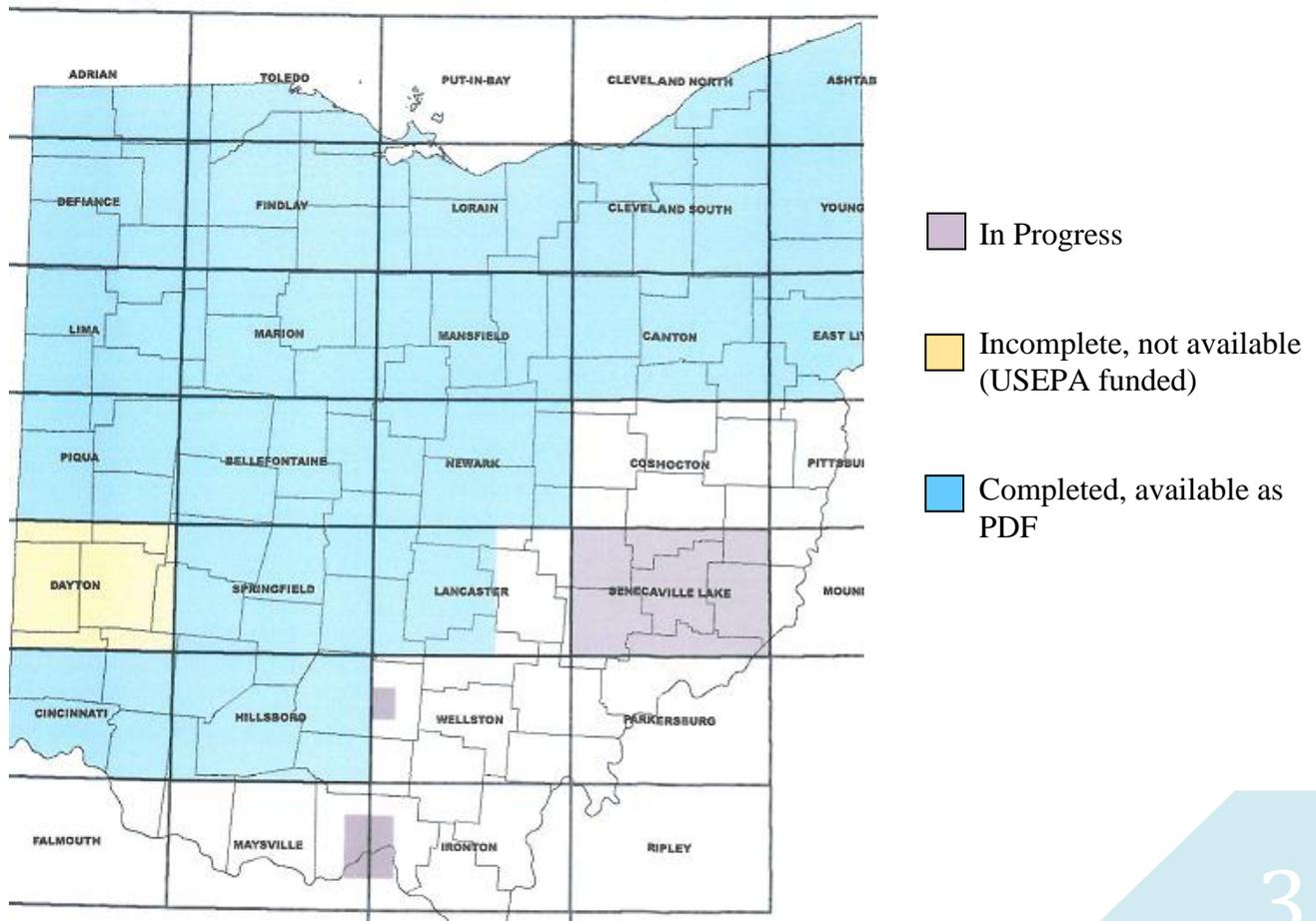
Well Sealing Issues. Recently a number of issues have arisen with improper well sealing at remedial sites that may impact nearby public water systems. OEPA has identified a need to ensure that our regulated community, certified professionals, and other agency staff are cognizant that their monitoring wells must be properly abandoned. OEPA is recommending that ODNR and ODH begin identifying ways to create awareness of the rules and guidance. Also, DDAGW will meet with ODH staff to discuss their approach to improperly sealed private wells.

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

Mapping Projects. Currently, the Division is working on:

- Bedrock maps for four quads in the Portsmouth region
- Karst maps in Highland County (Belfast and Sinking Spring quads)
- Maps of remaining coal in Appalachian basin
- Annual report on industrial aggregate
- Surficial stack maps (see figure showing status as of June 16, 2016)

### Surficial Geologic (“Stack”) Mapping Status (June 16, 2016)



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

Office Relocation. The Center is moving from the current location at 6480 Doubletree Ave to a facility at 6460 Busch Blvd. sometime in mid-July or early August

Upgrade to “Earthquake Well”. An ODNR well in Van Wert was recently upgraded with instrumentation that is fast and precise enough to monitor changes in ground water levels due to earthquakes. Most earthquakes in the continental U.S. of magnitude 5.5 or greater and worldwide earthquakes of magnitude 6.0 or greater show a signal in the data. The system posts 5-minute near real-time data to the web at [http://waterdata.usgs.gov/oh/nwis/uv/?site\\_no=405215084335400](http://waterdata.usgs.gov/oh/nwis/uv/?site_no=405215084335400) and internally records 1-second data that can be downloaded for analysis.

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

New Chairman. Asim Haque has been appointed chairman of PUCO, replacing Andre Porter who resigned effective May 20th.

Middle Bass Island. Island Productions, LLC, a water and sewer company located on Middle Bass Island, is seeking PUCO certification for a privately-funded public water system.

***Ohio Department of Health, Bureau of Environmental Health and Radiation Protection:***

Water Well Rules. The draft water well rules are ready for public release, which may occur next Monday. Public information sessions around the state are planned for the last week of June and July 6<sup>th</sup>. Comments should be e-mailed directly to Rachel Townsend.

Retirement. Russell Smith, who has overseen ODH’s domestic water well program for many years, will retire this summer.

**ELECTION OF NEW CHAIRPERSON**

Rachel Townsend (ODH) was elected to serve as SCCGW’s chairperson for the next two years.

**PRESENTATION**

Greg Koltun (USGS) gave a presentation on the likely local effects of climate change over the next century, based on USGS’ computer modeling. The presentation was titled “Upper Scioto River Basin—Hydrologic Effects of Potential Changes in Climate, Water Use, and Land Cover”.

**NEXT SCCGW MEETING**

... will be held August 18th, 8:30-11:30 am, at the Horace E. Collins Classroom at ODNR’s Geologic Repository. The meeting will include a potluck lunch afterwards. Mike Hallfrisch may present on the Waukesha, Wisconsin issue.

The meeting was adjourned at 11:30 am.

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