

## RADIOACTIVE WASTE PUBLIC FORUM PROGRAM

1. Carolyn Harding
2. Brian Kunkemoeller
3. Julie Weatherington-Rice
4. Terry Lodge
5. Teresa Mills
6. Yuri Gorby
7. Q & A

### What Can I do?

Send Public Comments to: Scott J. Nally, Director, Ohio EPA - Director's Office, P.O. Box 1049 ,Columbus, Ohio 43216-1049

Visit [Radioactive WasteAlert.org](http://RadioactiveWasteAlert.org)'s *Get Involved* pages and to sign petitions.

### Upcoming Events

Dec 3, 2103: Concerned Citizens Meeting to Protect our Water, Air and Soil at the Columbus Public Library - 7:00 - 8:30 pm

Jan, 2014: Ecological Documentary Film Series

Feb 4, 2014: Public Forum -Medical & Public Health Impacts of Radioactive Frack Waste in our Communities-Columbus Public Library-6:30-9:00 pm

Visit [RadioactiveWasteAlert.org](http://RadioactiveWasteAlert.org) for more details



**Yuri Gorby, PhD**, is a microbial physiologist and ecologist and currently holds the Howard N. Blitman Chair of Civil and Environmental Engineering at Rensselaer Polytechnic Institute. Yuri graduated with honors and a Bachelors of Science degree in biology from Bethany College, in his hometown of Bethany, WV in 1983. He began his scientific career in microbial physiology as a PhD student at the University of New Hampshire, where he investigated proteins and environmental controls involved in production of single domain magnetite particles by magnetotactic bacteria.

Continuing his interests in metal-microbe interactions, Yuri was awarded a National Research Council Post Doctoral Fellowship in 1989 to test his hypothesis that some bacteria could use uranium as an electron acceptor. As a NRC Fellow at the US Geological Survey, Yuri first demonstrated that metal-reducing bacteria could reduce soluble U(VI) to the common uranium mineral, uraninite.

Yuri accepted a second Post Doctoral Fellowship with the U.S. Department of Energy's Pacific Northwest Laboratory in Richland, WA to develop a more fundamental understanding of microbial uranium reduction and its potential for remediating contaminated ground water and legacy wastes produced during the Cold War. From 1993 to 2006, Yuri served as a Senior Research Scientist at PNNL where he explored the biological transformation of a broad range of heavy met-

als and radionuclides. He was the founder and director of the Microbial Cell Dynamics Laboratory at PNNL from 2001 until 2006, where he advanced the role of controlled cultivation as an important component of 'systems biology'.

Yuri is a pioneer in the emerging field of "electromicrobiology" and has been heavily cited for his publications on electrically conductive protein filaments called 'bacterial nanowires'. He established the first Electromicrobiology Group during his 5 years with the J. Craig Venter Laboratory in San Diego, CA, and was a founding member of the Electromicrobiology Group with his colleagues at the University of Southern California.



**Julie Weatherington-Rice, PhD**, received a BS Edu in Science Education, an MS in Geology and a PhD in Soil Science, from Ohio State University. She is the Senior Scientist for Bennett and Williams Environmental Consultants Inc. in Westerville, OH. She is an Adjunct Asst. Professor in the Department of Food, Agricultural and Biological Engineering at OSU. She is a science advisor to the Ohio Environmental Council, and a Fellow of the Ohio Academy of Science. She graduated from Bexley High School, and co-wrote the original grant

that started the Franklin County Greenways project in the early 1990s, co-convening the original effort with Tim Richardson, of MORPC (Mid-Ohio Regional Planning Commission). She was a member of the Board of Supervisors of the Franklin Soil and Water Conservation District, and has continued working with them since 1974.

Julie has long been noted for her leadership roles in science education and water protection in Ohio, both in the public and private sectors. She was awarded the R Livingston Ireland award by the Water Management Association of Ohio for her work in developing the first regional ground water protection plans in southwest Ohio beginning in the 1980s. She has worked on all but one of the USEPA Sole Source Aquifer Petitions that have been developed in Ohio. Ohioans have petitioned approximately one-third of the state since 1986 when this protection was first envisioned on the Federal level. She has worked on numerous wellhead and source water protection plans for public water supplies all over the state. She has overseen the cleanup of numerous Superfund sites, brown fields and leaking landfills that have threatened the quality of public water supplies, going to court, from the county to Federal levels, to support the rights of local communities and citizen groups who have had their water impacted by contamination sources. When all else has failed, she has helped communities find new water supplies.

She has worked as an advisor to the State of Ohio on ground water protection since the 1980s, been honored by the Ohio Senate for her scientific leadership and educational efforts and has been recognized for her lifetime achievements by both Ohio Citizen Action and the Ohio Environmental Council, organizations that she has been working with for more than thirty years.



**Teresa Mills**, of the Center of Health and Environmental Justice, has worked more than 20 years as a grassroots leader to assist communities to find their voice, analyze data, and develop a strategic plan. She began by shutting down the Columbus Incinerator, that was polluting her neighborhood. This incinerator was later defined as the largest emitter of dioxin in the country. Teresa also founded Buckeye Environmental Network a statewide grassroots focused groups. Today she works as the Ohio Childrens Health Organizer with the Center for Health and Environ-

mental Justice to stop environmental threats to children and the communities they live in. Ms. Mills is the Fracking Coordinator for the Buckeye Forest Council.



**Terry Lodge, Esq.**, is an award-winning Toledo trial lawyer who has represented many clients in civil rights, civil liberties, and environmental cases. A long-time critic of the corporate state, he has represented opponents of nuclear weapons, antiwar activists, opponents of mountaintop removal, and more. He presently represents the Freshwater Accountability Project in litigation which challenges the legal authority of the Muskingum Watershed Conservancy District to lease thousands of acres of public land around public lakes in southeastern Ohio for fracking. He advocates the use of “guerilla” legal and populist strategies as part of the fightback against fracking, with special emphasis on plugging the burgeoning waste stream flowing into Ohio.

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**Brian Kunkemoeller**, is a Conservation Program Coordinator with the Sierra Club Ohio Chapter. Brian received his degree at the University of Cincinnati in Biology with a focus on ecotoxicology, minoring in environmental law and policy. He works with Sierra Club members, activists, and partner organizations across the state who are working to protect clean water and public health from the dangerous effects of fracking related activities such as injection wells, radiation, air pollution, and the devastation of public lands such as state parks and forests.

**RadioactiveWasteAlert.org** is an all-volunteer group of Columbus area residents concerned about the future of safe drinking water for the greater Columbus Metropolitan area. For more information, please visit **RadioactiveWasteAlert.org**.



## Radioactive Frack Waste Public Forum

Tuesday, Nov. 12 @ 7:00P.M.

Main Branch, Columbus Metropolitan Library

Sponsored by **Radioactive Waste Alert.org**

### THE PUBLIC DESERVES TO KNOW

The Ohio EPA approved a permit to allow the processing of Frack Waste at the Ohio Soil Recycling Co., located on the banks of Alum Creek, a Columbus Watershed. This facility is next to Alum Creek Greenway Bike Trail and 2.2 miles from Bexley.

### FRACK WASTE IS RADIOACTIVE

and is known to contain radioactive metals such as Radium 228, 238U, and Radium 226, all are naturally occurring in shale rock. Radium 226 is a known carcinogen, with a direct link to many forms of cancer including bone and breast cancer.

### ALL LANDFILLS LEAK

The public is concerned about the radioactive elements that leak from landfills into the groundwater and contaminate the water supply.

### THE SCARY TRUTH

- Ohio has become the Radioactive Waste Dump for the Oil and Gas Industry. Ohio imports the waste that PA and WV regulations reject.
- Approximately 8 billion gallons of toxic, radioactive, waste has been injected underground in Ohio over the last 30 years, over half coming from out of state.
- Ohio is poised to receive 19 million cubic feet of solid radioactive shale rock waste into our landfills.