



## APRIL 2013 NEWSLETTER

### CONTENTS

[Government Goings-On](#)

[2013 ANNUAL SCHOLARSHIP ANNOUNCEMENT](#)

[AHS 2013 Symposium Update](#)

[Call for Abstracts](#)

[April meeting announcement for the Tucson 2013 AHS Symposium Planning Committee.](#)

[AHS Foundation Update](#)

[Phoenix chapter news](#)

[Salinity and Sequestration of CO<sub>2</sub> throughout Arizona and the Higley Basin: A Geologic Perspective](#)

[ASU Geo-Club Meet and Greet April 24<sup>th</sup>](#)

[Tucson chapter news](#)

[Upcoming WRRC sponsored Events](#)

[Flagstaff chapter news](#)

[AHS Flagstaff Meeting and Presentation \(11-April-2013\)](#)

[2012 Avery Intern Presentation at NAU](#)

[2014 Joint AHS/AIPG Symposium in Flagstaff - Update](#)

[Oak Creek- Mormon Lake Graben Field Trip \(20-April-2013\)](#)

[2013 CHARLES C. AVERY INTERN SCHOLARSHIP](#)

[Hydro-news](#)

[April is Arizona's Water Awareness Month \(WAM\)!](#)

[Arizona Geological Society special meeting](#)

[THE WATER FESTIVAL](#)

[Save the Date: Arizona Water Reuse Conference July 2013](#)

[Grand Canyon uranium mine draws ire](#)

[Cause of off-color, fetid water eludes Pa. town](#)

[World wrestles with clean-water crisis: There's too little of it](#)

[And therein lies a crisis: diseases from filthy water](#)

[Job Postings](#)

[Additional Information](#)

### GOVERNMENT GOINGS-ON

And they doggedly press on. The Legislature has killed House Bill 2338, the culmination of two years' work of the Water Resources Development Commission. Speaker Tobin will now appoint an ad-hoc committee to conduct public meetings where all viewpoints will be heard. The Water Resources Development Revolving Fund will remain unfunded. It looks like rural Arizona will have to wait a while longer before getting the tools they need to

address water supply/demand imbalance problems.Â

Meanwhile, the Senate passed SB 1403, which would prohibit the state and all the political subdivisions from any involvement whatsoever with any tenet or principle of the 1992 UN Rio Declaration for sustainability. The Rio Declaration involved 27 principles on sustainable growth, many innocuous and well-intended, others the work of wild-eyed socialists from the Third World. The proponents of SB 1403 believe the Rio Declaration to be a UN plot to take over the world. Therefore they want to prohibit any sustainability efforts by cities, counties, or the state. This bill appeared last year as SB 1507, but has been sufficiently amended to render it relatively harmless.Â

HB 2322 would restrict new regulations to strictly "ministerial" functions, which apparently means that agencies could act only within narrowly established procedures. Sponsored by Rep. Farnsworth, the bill would prohibit any new rules or amendments to existing rules that might restrain or burden the free exercise of vested rights. And while the code words seem innocuous, the results might not be pretty. One of the consequences might be to essentially cripple the rule-making authority of ADEQ and ADWR. This bill seems to be headed on to the Senate.

Conspiracy theories can be fun, but should never take the place of more meaningful bills.Â

**Alan Dulaney,  
City of Peoria**

[Top of the Document](#)

## 2013 ANNUAL SCHOLARSHIP ANNOUNCEMENT

The Arizona Hydrological Society (AHS) and the AHS Foundation will award **THREE \$2,000.00 student scholarships** in 2013. The purpose of the award is to encourage full time students in hydrology, hydrogeology, or any other water resources related fields at any Arizona university, or college to excel in their area of study. Any junior, senior or graduate student who fits into this category is qualified to apply for the Scholarship. Please visit <http://www.azhydrosoc.org/scholarships.html> for complete details and instructions.

Applications for the Scholarship must be submitted by **April 30, 2013**. The Scholarship will be awarded during the Annual Symposium of the Society that will be held September 18-21, 2013 at the Doubletree Reid Park Inn, Tucson, Arizona.

Send all complete Scholarship applications for consideration by **April 30, 2013** to:

**AHS Scholarships  
Arizona Hydrological Society  
PO BOX 1882  
Higley, Arizona 85236  
or  
[Azhydrosoc.dir@gmail.com](mailto:Azhydrosoc.dir@gmail.com)**

Please direct questions to Dennis Hall at [dhall@elmontgomery.com](mailto:dhall@elmontgomery.com) or 480-948-7747.

[Top of the Document](#)

## AHS 2013 SYMPOSIUM UPDATE

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### Call for Abstracts

The Tucson Chapter of the Arizona Hydrological Society (AHS) is soliciting abstracts for papers and posters to be presented at the AHS 26th Annual Symposium scheduled for September 18-21 at the Doubletree Reid Park Hotel in Tucson, Arizona. The Symposium is a premier event in the Southwest for hydrology and water resources science, engineering, and public policy. AHS solicits descriptions of projects and research from hydrologists, geologists, engineers, planners, water policy and legal professionals, and teachers.

### Technical Session and Poster Topics

This year's technical sessions and posters will focus on the following water-related topics for Arizona and the Southwestern U.S.:

- Technical advances in modeling and GIS
- Colorado River issues
- Water issues in the mining industry

- Water quality
- Water infrastructure
- International topics
- Climate change
- Groundwater remediation
- Water-energy nexus
- Surface water / groundwater interaction
- Water law and policy
- Recharge
- Subsidence
- Tribal lands and public lands issues
- Water reuse
- Sustainability
- Watershed management

Please submit your abstract(s) no later than May 1, 2013. Abstracts should be 250 words or less and include title, authorship, and affiliations. Please include a brief biographical sketch of the primary author(s). Contributors will be notified of abstract acceptance on or about June 15, 2013. Abstracts can be submitted electronically to Greg Hess at [gheess@clearcreekassociates.com](mailto:gheess@clearcreekassociates.com). Call Greg at (520) 622-3222 or [e-mail him](#) if you have questions.

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### **April meeting announcement for the Tucson 2013 AHS Symposium Planning Committee**

The Tucson Chapter of the Arizona Hydrological Society (AHS) will be hosting the annual AHS symposium in Tucson in the fall of 2013. We are coming into the home stretch of planning and hope you will consider being a part of our efforts! We especially welcome those interested in moderating or otherwise volunteering for the event itself.

**When:** Wednesday, April 17th at **6:00 p.m.**

**Where:** Offices of Montgomery & Associates

1550 E. Prince Road

(520) 881-4912

**\*\*\*Beer, soda, chips, and pizza will be provided.Â Please contact Marla Odom (see contact information below) with any dietary needs prior to the meeting.**

**Benefits:** Volunteering to serve on the symposium planning committee allows you to get to know others in the Tucson hydrology community in a creative atmosphere. Revenue generated by the AHS annual symposia is the primary source for funding AHS activities, including our intern and scholarship programs. This revenue also provides the means to reach out to our membership through monthly meetings and educational workshops. **All AHS members are welcome to join us for food, drink, and fun at our April planning meeting!**

### **April Meeting Agenda:**

1. Reports from committees
2. Familiarize committee with website and registration page
3. Identify remaining tasks and/or assigning un-delegated tasks
4. Re-affirm all deadlines
5. Review icebreaker details
6. Fundraising ideas

If you are interested in joining the symposium planning committee, please contact Marla Odom, the Symposium Chair, at (520) 881-4912 or [modom@elmontgomery.com](mailto:modom@elmontgomery.com) with any questions.

[Top of the Document](#)

## **AHS FOUNDATION UPDATE**

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The AHS Foundation thanks the following individual and company donors who made all our programs possible. In 2012, the Foundation, along with AHS, sponsored three scholarships, two interns, science fair awards in Phoenix and Tucson, and the Project WET teacher's workshop. Plus our long-term endowment fund grew by over \$10,000. This was only possible due to your tax-deductible donations to the Foundation. Thank you!

AHS 2012 Symposium

Matt Beversdorf

Cynthia Blegen

Mike Block

Angela Bond

Central Arizona Project

Emily Corkery

Tracey Dodrill

Charles Ester

Robert Gardner

A. Michael Geddis

GeoSystems Analysis

Charles Graf

Howard Grahn

Jason Hilker

Mike Milczarek

Peter Mock

Montgomery '&' Associates

Errol L. Montgomery

Christie O'Day

Larry Philips

Alex Richards

Keith Ross

Christopher Shepard

Pedro Soto Navarro

SRP

Maurice Tatlow

Michael Tomlinson

United Way

Thomas Walker

Gregory Zekoff

[Top of the Document](#)

## PHOENIX CHAPTER NEWS

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### Phoenix Chapter December Dinner Meeting

The next Phoenix Chapter dinner meeting will be held on **Tuesday, April 9, 2013**, at SunUp Brewing Co., in midtown Phoenix (on the north side of Camelback Road, just east of Central Avenue). Please join us for a beverage, to share business cards, and talk water!

**Location:**

[SunUp Brewery](#)

322 E. Camelback Road  
Phoenix, AZ 85012

**Event:**

**Salinity and Sequestration of CO<sub>2</sub> throughout  
Arizona and the Higley Basin: A Geologic  
Perspective**

*Brian F. Gootee, Research Geologist, Arizona  
Geological Survey*

**Chapter Board  
Meeting:**

5:00 PM - 5:30 PM

**Happy Hour & Dinner:** 5:30 PM - 7:00 PM  
**Program:** 7:00 PM - 8:00 PM  
**Cost:** \$15 member, \$20 non-member, \$5 student

RSVP with Michele Robertson at [mrobertson@elmontgomery.com](mailto:mrobertson@elmontgomery.com) or 480-948-7747.

Hope to see you there!

**At the June Phoenix Chapter meeting, Brian Gootee, Arizona Geological Survey, will give a presentation on deep groundwater salinity throughout Arizona, with a focus in the second half of the presentation on conditions in the Higley Basin in the southeast Valley.**

Brian Gootee is a Research Geologist with Arizona Geological Survey, and specializes in basin analysis, geologic mapping, geologic hazards, and geoscience outreach. He has over 20 years of experience in the fields of geology, hydrogeology, and environmental geology in the Southwest, Texas, Alaska, and Antarctica. He received his M.S. and B.S. in geology from Arizona State University. Brian also currently teaches field-based geology classes with Scottsdale Community College and the Grand Canyon Field Institute. He also was the lead instructor for the NASA Mars Education Program at ASU to mentor national K-14 science teams to research Mars. Brian's first 10 years of experience as a hydrogeologist with the USGS, city governments, mining companies and private consulting firms has created a foundation for his ultimate goals in geology: to research, to educate, and to apply the Geosciences in our world.

**Abstract:**

As part of a program to examine the suitability of sedimentary basins in Arizona as potential geologic repositories for industrial carbon dioxide (CO<sub>2</sub>) injection and disposal (called "sequestration"), geologists of the Arizona Geological Survey (AZGS) evaluated sedimentary strata in the Colorado Plateau and in the ten most voluminous Cenozoic sedimentary basins. As part of their geologic evaluation, the concentration of total dissolved solids (TDS, i.e. salinity) was reviewed across the state to assess groundwater salinity greater than 10,000 parts per million (ppm), and salinity in wells that penetrated deeper than 800 meters (2,625 feet), the minimum depth necessary to sequester CO<sub>2</sub> in a high density state. "A Summary of Salinities in Arizona's Deep Groundwater" published in 2012 will be the focus during the first half of the presentation.

Eight of the ten largest basins within the Basin and Range province have been evaluated for their potential to sequester CO<sub>2</sub>. Brian will also present preliminary results from the geologic evaluation of the Higley basin in the East Salt River Valley, which will cover concepts of the basin's formation, structure and stratigraphy, especially as it relates to potential storage of CO<sub>2</sub> in permeable, saline aquifers below 800 meters depth, capped by impermeable seals or bedrock.

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**Future Event Calendar (see also calendar on [www.azhydrosoc.org](http://www.azhydrosoc.org))**

**Tuesday May 14, 2013, at Nello's in Tempe**

Jason Jones of the Arizona Department of Environmental Quality

***Assessing the Water Quality of Arizona's Streams Using a Probabilistic Survey Design***

**Tuesday June 14, 2013, at SunUp Brewing Company**

Brian Betcher, General Manager, Maricopa Stanfield Irrigation & Drainage District

**An Irrigation District's Perspective On The CAP & Other Issues**

**Tuesday July 9, 2013, at Nello's in Tempe**

Guy Carpenter, Carollo Engineers

**CAP Update, From A New Board Member's Perspective**

## No Phoenix Chapter meetings in August or September.

**October and beyond** - maybe you? Please contact [Tom Walker](#), Phoenix Chapter Vice President, if you would like to give us a presentation or if you know anyone else who could use an audience

[Top of the Document](#)

## ASU GEO-CLUB MEET AND GREET APRIL 24<sup>TH</sup>

The Arizona State University Geo-Club invites you to participate in our 2013 Meet and Greet. This event will be a great opportunity for companies looking for earth science majors to meet enthusiastic future employees, and for geology students to meet you and learn more about what it takes to be a geologist. The format will be more personal and informal than a typical job fair setting. It will start with an evening reception and snacks, then a short introduction of each company/organization followed by mingling.

The event will be held **Thursday, April 24<sup>th</sup>, 2013 at starting at 6:30pm**. The location will be in the new ISTB-4 building on the ASU Tempe campus, where the School of Earth and Space Exploration is located. We hope you will enjoy this modern new venue and meeting our students.

Thank you for your participation,

Leah Pettis, President of ASU Geo-Club

[Top of the Document](#)

## TUCSON CHAPTER NEWS

There will be **NO** regular Tucson Chapter meeting this month.

In lieu of the Tucson chapter meeting, everyone is encouraged to attend El Dia De Agua at the University of Arizona on April 10 from 8:00 am to 4:30 pm. The symposium features both undergraduate and graduate student research projects via oral and poster presentations. The luncheon speaker is Maria Baier, CEO of The Sonoran Institute and former Arizona State Land Commissione. The subject of Baier's talk is "Hydrologists: Arizona's Real Rainmakers." The keynote speaker at 3:30 pm is Dr. Abe Springer, Professor, School of Earth Sciences and Environmental Sustainability at Northern Arizona University. The subject of Dr. Springer's talk is "Watershed Investment Programs: Friend or Foe of Watershed Management and Science."

For more information visit: <http://www.hwr.arizona.edu/el-dia-2013>

[Top of the Document](#)

## UPCOMING WRRC SPONSORED EVENTS



### Brown Bag Seminar

**Wednesday, April 24**

**Time: 12 - 1:30 p.m.**

**Location: WRRC, Sol Resnick Conference Room**

**Speaker:** Dave D. White, Co-Director, Decision Center for a Desert City and Senior Sustainability Scientist, Global Institute of Sustainability, Arizona State University

**Title:** Linking Knowledge and Action for Water Sustainability and Urban Climate Adaptation: Research Update from the ASU Decision Center for a Desert City

[wrrc.arizona.edu/events/brownbag](http://wrrc.arizona.edu/events/brownbag)

[Top of the Document](#)

## FLAGSTAFF CHAPTER NEWS

### AHS Flagstaff Meeting and Presentation (11-April-2013)

The next meeting of the AHS Flagstaff Chapter will be from 1800 to 2000 MST on **Thursday 11-April-2013** in Room 109 of the NAU Geology Building (Building #12). We will have a very short business meeting, primarily to update everyone on the status of our 2014 Joint AHS/AIPG Symposium. We will then move on to a special presentation by Ms. Sharon Masek Lopez (NAU and AHS member) titled "*Oak Creek Watershed E. coli*

**Investigation 2011-2012".** Please refer to the [attached flier](#) for an abstract of Sharon's talk, a short biography, and parking instructions and map. As always, pizza will be provided by AHS-Flagstaff but we do ask you to bring your own non-alcoholic beverage of choice. And, **please remember, students (AHS members and non-members), as well as the general public, are welcome to attend these presentations.**



## 2012 Avery Intern Presentation at NAU

Flagstaff's 2012 Charles C. Avery Intern, Ms. Mariah Giardina, presented her talk "Opportunities with Arizona Hydrological Society" as part of the Northern Arizona (NAU) School of Earth Sciences and Environmental Sustainability (SESES) Lecture Series. Her presentation was excellent, well received, and she highlighted AHS's Education & Outreach Program. Mariah has agreed to make her slide show available to AHS as a PDF ([attached](#)) so that visitors to our website will have a better understanding of AHS and the opportunities we offer students. Thank you Mariah! Job well done!

## 2014 Joint AHS/AIPG Symposium in Flagstaff - Update

As some of you probably know, AHS will be co-hosting a joint symposium in Flagstaff with the American Institute of Professional Geologists (AIPG) in September 2014. The dates for this joint symposium are 14 through 16-September-2014 (Sunday - Tuesday). AIPG will hold their executive meeting on the Saturday before the symposium starts. As you may remember from the 2008 Joint AHS/AIPG Symposium, there were 12 scheduled field trips. We anticipate a similar number for 2014. Dana Downs-Heimes and Paul Lindberg have agreed to serve as the Symposium Planning Committee point persons for field trips. If you have any ideas for field trips that would appeal to geologists and hydrologists, please do not hesitate to contact Dana ([Dana.Downs-Heimes@CH2M.com](mailto:Dana.Downs-Heimes@CH2M.com)) or Paul ([pandplindberg@aol.com](mailto:pandplindberg@aol.com)) with your ideas. Click [here for an Excel® spreadsheet](#) of suggested field trips. In addition to work on the field trips, we are also trying to find a theme that will appeal to both organizations. Margot Truini has agreed to spearhead this effort. Again, if you have any ideas for a theme that is catchy and includes "water and rocks" (and, yes, "Water on the Rocks" and "Water - The Other Mineral" have already been suggested), please e-mail Margot with your ideas ([mtruini@usgs.gov](mailto:mtruini@usgs.gov)). Finally, we have started contract negotiations with the High Country Conference Center to serve as the venue for this joint symposium.

[Top of the Document](#)

## OAK CREEK- MORMON LAKE GRABEN FIELD TRIP (20-APRIL-2013)

Our own Mr. Paul Lindberg will be leading a field trip of the Oak Creek - Mormon Lake Graben from 0830 to 1600 MST on **Saturday** 20-April-2013. We will assemble at the High Country Conference Center (201 W Butler Avenue, Flagstaff) and carpool for the field trip. AHS will be accompanied by members from the Oak Creek Watershed Council. The registration fee for this trip is **\$10** which covers chilled soft drinks provided by AHS, and gratuity for the field trip leader. Please bring your own lunch, snacks, water, light hiking boots or walking shoes, sun block, and jacket in the event of inclement weather. Please RSVP via e-mail not later than **13-April-2013** to

Dana Downs-Heimes ([Dana.Downs-Heimes@CH2M.com](mailto:Dana.Downs-Heimes@CH2M.com)). In your e-mail, please provide number of attendees, your telephone number, and indicate if you have a vehicle that can accommodate four or more field trip attendees. If paying by check, please make it out to the "Arizona Hydrological Society". Also, if you have registered and learn prior to the trip that you cannot attend, please contact Dana at your earliest convenience. Please refer to the [PDF flier](#) for more details.

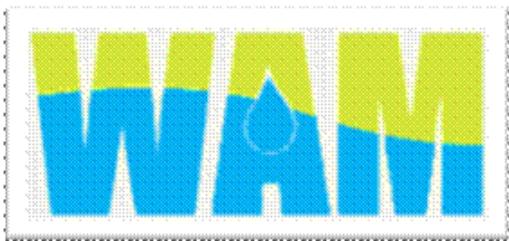


## 2013 CHARLES C. AVERY INTERN SCHOLARSHIP

The Flagstaff Chapter is accepting applications for the 2013 Charles C. Avery Intern Scholarship. Applications for students and interested hosts are due by **5:00 pm Friday April 5, 2013**. For more information please visit the [Internships link](#) from the AHS website, or contact Erin Young at [erinyoung27@gmail.com](mailto:erinyoung27@gmail.com).

## HYDRO-NEWS

### APRIL IS ARIZONA'S WATER AWARENESS MONTH (WAM)!



Everything from social media posts, blogs, tweets, news releases, links to great resources and templates for news releases, utility bill stuffers, flyers, posters, etc. can all be found at <http://waterawarenessmonth.com/> for FREE! The WAM website features a clickable calendar that highlights the tips and resources available from the site. This includes, for example, the true "cost" of bottled water and information on grey water recycling. Each daily link provides access to additional information through internal and outside links. In the past, WAM was focused on April, but plans are underway to expand this program for every month of the year! This is truly

a valuable resource for sustainable living for Arizona. Go to [waterawarenessmonth.com/promotional\\_materials.html](http://waterawarenessmonth.com/promotional_materials.html) to download promotional flyers, posters and more.

[Top of the Document](#)

### ARIZONA GEOLOGICAL SOCIETY SPECIAL MEETING

The AGS is holding a special meeting on Thursday, April 18 in Tempe. It is a poster session meeting for students from UA, ASU and NAU—topics will include geology and hydrogeology. Cash prizes will be given to the top 3 posters, and on the following day, Steve Reynolds from ASU will be leading a field trip to South Mountain. And it's a great way for companies to meet students who will be looking for jobs soon. Here are the details:

**Date:** April 18, 2013

**Time:** 6 pm social hour and poster presentation viewing, 7 pm dinner, 8 pm poster presenters each give a 3 minute talk on their research.

**Place:** Embassy Suites Tempe, 4400 South Rural Road, Tempe, Arizona, 85282

**Cost:** \$27 for AGS members, \$30 for non-members. Dinner is a 3-course meal—main course choices are chicken picatta, cobb salad, or vegetarian entrée.

**Reservations** mandatory if you wish to have dinner. Reservations can be made on our website ([arizonageologicalsoc.org](http://arizonageologicalsoc.org)) or by calling 520-663-5295 by April 12, 2013.

[Top of the Document](#)

## THE WATER FESTIVAL



#### Earth Day Festival



#### SPONSORS & EXHIBITORS:

[Download Packet](#)



**SUNDAY - APRIL 21 - 9AM - 2PM**

Reid Park DeMeester Outdoor Performance Area  
(Country Club Road, N. of 22nd Street, Tucson)  
FREE to attend!

**YOU'RE INVITED** to participate in Tucson Arts Brigade's 4th Annual Water Festival, integrating art, science and culture to raise awareness, promote stewardship, and foster creative expression about our water future. This year, The Water Festival is partnering with the Earth Day Festival at Reid Park!

THE WATER FESTIVAL is the ONLY large-scale water-focused community event in Pima County and is a prime opportunity to engage the public through diverse activities for learning, networking, family fun, and creative interactions with water.

- Kids Activities
- 3-Mile Walk for Water (8-9am)
- Cultural/Spiritual Connections
- Design for Water Solutions Contest
- "The Vibe" LIVE Art Happenings
- Fun Surprises & Special Guests!
- Exhibitor Fair
- Performances
- Art Show
- Music
- Speakers
- Workshops
- Kids Activities

**REGISTER** as a [sponsor](#), [exhibitor](#), [artist / inventor](#), [activity leader](#), and/or [volunteer](#). Be part of an initiative to promote water stewardship while offering the community access to information and art experiences.

[Top of the Document](#)

**SAVE THE DATE: ARIZONA WATER REUSE CONFERENCE JULY 2013**



## GRAND CANYON URANIUM MINE DRAWS IRE

**Environmentalists, tribe sue after feds allow company to proceed despite ban on new mining near Grand Canyon**

by **By Brandon Loomis** - Mon Apr 1, 2013 9:23 AM  
*The Arizona Republic*

An energy company that closed its uranium mine near Grand Canyon National Park in the 1990s is raising environmental hackles with its plans to resume operations.

Energy Fuels Resources intends to reopen its Canyon Mine despite a 20-year federal ban on new uranium mining, imposed early last year by the Interior Department, which covers 1 million acres near the Canyon.



The company says the ban doesn't apply because its rights are grandfathered, and the federal government agrees.

Environmentalists and the Havasupai Tribe counter that those rights were granted before science was able to show the full potential impact of uranium mining, which opponents fear will poison water that feeds natural springs in the Canyon.

"Groundwater pollution will wind up either flowing directly into the Canyon or contaminating the sole source of water for the Havasupai Tribe and ultimately the Colorado River," Grand Canyon

Trust Program Director Roger Clark said.

The trust joined the Sierra Club, the Center for Biological Diversity and the tribe in filing suit in March against the Forest Service in federal court in Prescott.

Energy Fuels Resources applied for its permit in 1984 and began preliminary surface work on the site two years later.

Before the mine became fully operational, the company closed it because the price of uranium declined dramatically.

Now uranium's value is back, and the company is moving to reopen, with state and federal approvals in hand.

Read more at <http://www.azcentral.com/news/articles/20130326grand-canyon-uranium-mine-ire.html?source=nletter->

[Top of the Document](#)

## CAUSE OF OFF-COLOR, FETID WATER ELUDES PA. TOWN

**Associated Press**

**Sun Mar 10, 2013 10:36 AM**

PITTSBURGH -- What causes clear, fresh country well water to turn orange or black, or smell so bad that it's undrinkable?

Residents of a western Pennsylvania community have been trying for more than a year to get that question answered in their quest to get clean water back.

Some of them say the water was spoiled by drilling deep underground for natural gas. Others point to pollution from old coal mines. They've also been told it could even be a baffling mix of natural and manmade reasons that change the water over time, like the leaves change on trees. But no one knows for sure, and they say the uncertainty is maddening.

In late 2011, the drinking water for about a dozen residents in the Woodlands, a rural community about 30 miles north of Pittsburgh, began to change. At first, the families blamed gas drilling, or fracking, being done 2000 feet away. But state tests showed the water wasn't contaminated by drilling, and even more confusingly, many of their neighbors reported no problems.

Families with bad water then turned to federal officials. But last summer the U.S. Environmental Protection Agency quietly sent a letter to one resident, Janet McIntyre, saying the agency agreed with the state finding, since most of the chemicals found in the water could have occurred naturally.

Read more at <http://www.azcentral.com/news/free/20130310cause-off-color-fetid-water-eludes-pa-town.html>

[Top of the Document](#)

## WORLD WRESTLES WITH CLEAN-WATER CRISIS: THERE'S TOO LITTLE OF IT

### And therein lies a crisis: diseases from filthy water

*March 23, 2013 12:00 am ª Randall Hackley Bloomberg News*

There are more mobile phones on Earth than clean toilets, one of the most vexing challenges facing governments on the 20th anniversary of the United Nations' World Water Day.

Solving that developmental problem has confounded leaders, some of whom met Friday in The Hague to discuss water cooperation. There are 6 billion mobile phones, according to the International Telecommunication Union, while 1.2 billion of the planet's 7 billion people lack clean drinking water and 2.4 billion aren't connected to wastewater systems.

The most vulnerable - whether in China, India or sub-Saharan Africa - may be the young who must survive poor-quality or insufficient water while supplies are overused in other countries such as the United States, said Maxime Serrano Bardisa, a water analyst for Bloomberg New Energy Finance in London.

An American taking a five-minute shower uses more water than the average person in a developing-country slum uses for an entire day, according to BNEF.

Statistics show at least one in three people don't have a toilet. More people die from diseases caused by not having a clean, safe place to go to the bathroom than from HIV/AIDS, malaria and tuberculosis combined. Almost three-quarters of all diseases in India are caused by water contaminants.

Read more at [http://azstarnet.com/news/science/health-med-fit/world-wrestles-with-clean-water-crisis-there-s-too-little/article\\_55b04cce-5e3c-581d-90ae-fd50f08e0289.html](http://azstarnet.com/news/science/health-med-fit/world-wrestles-with-clean-water-crisis-there-s-too-little/article_55b04cce-5e3c-581d-90ae-fd50f08e0289.html)

[Top of the Document](#)

## JOB POSTINGS

Find these and other positions posted on the [AHS jobs board](#):

[ENTRY/STAFF LEVEL SCIENTIST/ENVIRONMENTAL GEOLOGIST - CARNO ATC](#)

## **ADDITIONAL INFORMATION**

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*For more information about the Arizona Hydrological Society, or to view current job listings and announcements, please visit our regularly updated web site at:*

<http://www.azhydrosoc.org/>

*Membership may be renewed by credit card through the AHS website or by mailing a check to the Arizona Hydrological Society, P.O. Box 1882, Higley, AZ 85236. Dues remain at \$45.00 year for regular membership and \$15.00 for students. Please remember that your 2011 membership was included in the 2010 Symposium registration fee!*