

## 2007 Ground Summit

The National Ground Water Association's 2007 Ground Water Summit will spotlight the latest issues and developments in ground water science, technology and policy on April 29-May 3 in Albuquerque, N.M.



President Bush recently signed into law the Rural Water Supply Act. The legislation will authorize \$15 million a year for planning new water delivery infrastructure, and will establish a loan-guarantee program within the Bureau of Reclamation to help communities finance new water projects and pay for maintenance on existing water systems.

The bill states a rural or small community of no more than 50,000 inhabitants must have an urgent and compelling need for a rural water supply project that would help improve the health and aesthetic quality of water. This includes Indian tribes and tribal organizations, dispersed home sites or rural areas with domestic, industrial, municipal and residential water.

The project must result in continuous, measurable and significant water quality benefits, or address current and future water supply needs.

Source: nationaldriller.com

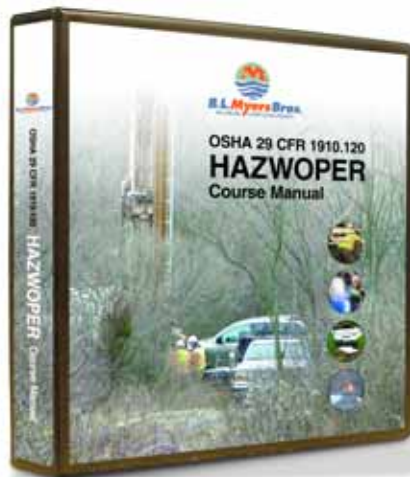
## Regulatory Training... Staying in Front of the Curve

I heard a comment earlier this week that "men used to be allowed to be men." He was alluding to the host of regulations and training that we, as contractors, now must follow. Not only must we provide or employee's silly hard hats and safety glasses, we are required to teach them how they are to be used, the hazards of not using them and the repercussions that we, as employers, can face for non-compliance.

Workers today are afforded a great deal more protection on the job than years ago. As employers, we constantly juggle directives from OSHA, the EPA, DOT, and now even the Department of Homeland Security. If there is one identifiable workplace hazard, you must train, medically monitor, or otherwise protect your workers. Everything from the chemicals in the supply cabinet, to the open excavations and dust in the warehouse require regulatory training. It wasn't that long ago when I was training office workers on the safest way to open and sort mail for fear contracting anthrax. Yes, the times have changed.

B.L. Myers Health & Safety department strives to stay one step ahead of the curve. We can assist you with developing the programs you need and provide training to your employees to give you the confidence that you are staying in compliance. If your not sure what you need, or just don't have the manpower to get it done, contact us for assistance. We provide training at our facility or yours depending on your needs.

For more information, contact Michael Cassella, Health & Safety Manager at [mcassella@blmyers.com](mailto:mcassella@blmyers.com) or 610-942-2030 ext.233.



### B.L. MYERS HEALTH & SAFETY SERVICES

- Training: Open enrollment course at our facility
  - Hazardous waster operations & emergency response (HAZWOPER) OSHA 29 CFR 1910.120
- Emergency Response for Hazardous Materials (HAZMAT)
- Training programs: customized on-site
- Construction: OSHA 29 CFR 1926 select topics (Competent Person Certification)



## Did You Know

Bathroom sink faucets account for more than 15 percent of indoor household water use — that's more than 1 trillion gallons across the United States each year.

Source: U.S. Environmental Protection Agency

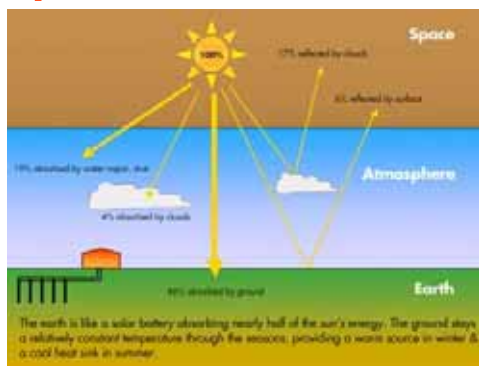
## Water

### FUN FACTS

#### All Living Things Need Water

- In some organisms, (like jellyfish!) up to 90 percent of their body weight comes from water.
- Up to 60 percent of the human body is water.
- The brain is composed of 70 percent water!
- Blood is 82 percent water.
- The lungs are nearly 90 percent water.

## It's What's Underneath that Counts: Geothermal Systems & Overview



Go to <http://www.blmyers.com/geothermal.htm> for more information.

## Fuel Watch

### Fuel Prices for March 6-12

Each week, the U.S. Department of Energy releases average gasoline and diesel prices for the United States. For the week of March 6-12, the West Coast had the highest average prices for gasoline and on-highway diesel fuel. All prices have increased this month. The average increase for gasoline was \$0.26 per gallon, and the average increase for diesel fuel was \$0.18 per gallon.

**J.S. Gasoline Prices, Regular Grade**

Region	Average Price (3/12/2007)	Change from Last Month
East Coast	\$2.53	+ \$0.34
Midwest	\$2.49	+ \$0.27
Gulf Coast	\$2.40	+ \$0.31
Rocky Mountain	\$2.41	+ \$0.27
West Coast	\$2.67	+ \$0.13

Source: U.S. Department of Energy

**J.S. On-Highway Diesel Prices**

Region	Average Price (3/12/2007)	Change from Last Month
East Coast	\$2.67	+ \$0.20
Midwest	\$2.67	+ \$0.24
Gulf Coast	\$2.64	+ \$0.28
Rocky Mountain	\$2.74	+ \$0.22
West Coast	\$2.81	+ \$0.03

Source: U.S. Department of Energy

To view the most up-to-date prices and to get more information, please visit <http://tonto.eia.doe.gov/oog/info/gdu/gasdiesel.asp>.

## The Drilling Dynamics Simulator

March 1, 2007



**Sandia National Laboratories is developing technology to reduce problems caused by bit vibrations by reproducing downhole vibrations in the laboratory.**

vibrations typically cause bit failure that is often accompanied by significant economic losses.

### Future Benefits

The drilling dynamics simulator will provide a platform for developing a wide range of drilling tool technologies under representative downhole environments that are encountered in today's hard rock drilling conditions. This capability will result in improved well construction methods and reduced production costs. It will allow development of vibration theories, hardened drill bit materials, stable bit designs, reliable passive and active dampers and other downhole tools, and improved operational methodologies.

### The Vibration Dilemma

Drilling dynamic dysfunctions currently limit the use of advanced technology drill bits and related tools for drilling hard rock formations. The bit, formation, hydraulics and bottom hole assembly can interact in a complex way, resulting in a range of vibration modes. Among these are bit bounce, stick-slip and whirl. In harder formations, these

Edited from: [http://www.nationaldriller.com/CDA/Articles/Feature\\_Article](http://www.nationaldriller.com/CDA/Articles/Feature_Article)