

# Wyoming Water Well Contractor's Licensing News

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## National Protect Your Groundwater Day!



The National Ground Water Association Protect Your Ground Water Day is September 6, 2016.

The two fundamental categories for protecting groundwater are:

1. Keeping it safe from contamination.

2. Using it wisely, not wasting it.

Visit the website below for a variety of links and activities to help promote ground water protection!

<http://www.ngwa.org/Events-Education/groundwater-day/Pages/default.aspx>

## A Little Chlorine is good, but is a lot better?

Chlorine is probably one of the most widely used chemicals in water wells. It is important to understand that chlorine is a very reactive substance, is very volatile, and it can easily change into other things. There are a variety of chlorine compounds and the molecules can change depending on a number of different variables

in the water such as; the PH, temperature, hardness, alkalinity, and other chemicals in the water. If you can monitor the water chemistry you will be more successful in using chlorine.

According to specialists adding 200 ppm is usually the target. Adding 1000 ppm or 5000 ppm will shock the system but it will not remove the bacteria that is protected by the bio-film and/or

slime. So shocking it really isn't going to do you any good. Understanding the water's chemistry and what you are dealing with in the beginning will help with properly sanitizing a water well.

For more information visit: [www.nationaldriller.com](http://www.nationaldriller.com)

State Board of Examining Water Well Drilling Contractors and Pump Installation Contractors

Website:  
[wwcb.state.wy.us](http://wwcb.state.wy.us)  
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## New Licenses Issued.

### WELL & PUMP

Joshua Kleinheksel,  
Platte Valley Well &  
Construction, LLC,  
Encampment, WY

David Giles, Terre Firma  
Earth Technologies,  
Houston, TX

Neal Sanburn, SCI Drilling,  
Sheridan, WY

Brett Douglas, Douglas  
Drilling, Roberts, MT

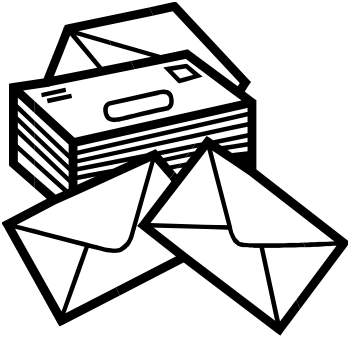
### WELL:

Rick Olson, Wyo Drilling,  
Casper, WY

### Pump:

Lance Gleich, LG  
Drilling, Cheyenne, WY

## Letter from the Executive Director



Well over the last couple of months we have had a lot of smoke here in Fremont County. Although the weather is changing and it has been much cooler here. I hope that all of you remain unscathed by the fires. August has been a busy month for complaints. The Board Office has received three new complaints in the past month. I hope to have

them completed fairly quickly.

The National Ground Water Association is holding their National Ground Water Protection Day on September 6, 2016. I added some informational links on page one for those of you who would like to get involved. If any of you plan on doing something special please let me know if I

can help in anyway. A good portion of our state residents depend on their water well for domestic use so it is important to educate them on how to take care of their water wells and protect the ground water. Your experience and involvement as a water professional could make a lasting impression! Until next time! Stay safe.

## DID YOU KNOW!

### STUDY: PUBLIC WATER SUPPLY IS UNSAFE FOR MILLIONS OF AMERICANS!

Millions of Americans may be drinking water with unsafe levels of industrial chemicals, according to a study published Tuesday in the journal *Environmental Science & Technology Letters*. These chemicals, known as polyfluoroalkyl and perfluoroalkyl substances or PFASs, have been linked to high cholesterol, obesity, hormone suppression -- and even cancer.

Introduced more than 60 years ago, PFASs are a category of man-made chemicals that degrade very slowly, if at all, in the environment.

"PFASs are organic compounds that are really useful," said Xindi Hu, lead author of the new study and a doctoral student at Harvard T.H. Chan School of Public Health. This usefulness means these chemicals are used to make such items as food packaging materials (such as pizza boxes and popcorn bags), fabrics, nonstick cooking pans and firefighting foams.

As a result of their ubiquity, the chemicals migrate into air, household dust, food, soil and ground and surface water, and they eventually make their way into drinking water.

The problem with PFASs is that they remain in your body for a long time. Though other chemicals can be excreted within hours, it takes about 3½ years for your body to get rid of just half of whatever amount you ingest, Pinney explained, speaking of one particular PFAS she has studied. If you are exposed day after day, they will accumulate in your body.

"We know this chemical gets stored in the blood serum, the liver and some other organs," Pinney said. While the health effects may not be "huge," subtle changes in cholesterol levels and timing of puberty may have important health consequences if they become prevalent in the population as a whole. And, she says, not all the physical effects are currently known.

But PFASs seem to be everywhere. They are found "in wildlife and human tissue and bodily fluids all over the globe," explained Arlene Blum, a co-author of the new study and executive director of Green Science Policy Institute. A chemist, she spearheaded a 2015 statement signed by 200 international scientists to urge restricted use of PFASs.

For their new study, colleagues examined more than 36,000 water samples collected by the Environmental Protection Agency between 2013 and 2015. The researchers discovered that 66 public water supplies serving 6 million Americans had at least one water sample that measured at or above the EPA recommended safety limit of 70 parts per trillion for perfluorooctanesulfonic acid and perfluorooctanoic acid, two types of PFASs. Newark, Delaware, and Warminster, Pennsylvania, showed particularly high concentration levels. **VISIT: [WWW.CNN.COM](http://WWW.CNN.COM) FOR FULL STORY.**

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## Calendar

Continuing education opportunities for March and April: The codes in the first column are as follows:

WWWA – Wyoming Water Well Association

NGWA – National Ground Water Association

NWDA – Nebraska Well Drillers Association

CWWCA – Colorado Water Well Contractors Association

WARWS – Wyoming Association of Rural Water Systems

WWA- Wyoming Water Association

The topic, date, time and location are given. Please refer to each respective association's website for more information on how to register, and/or for future educational opportunities.

BIDP – Baroid Industrial Drilling Products

AGWT – American Ground Water Trust

SEDC – Shallow Exploration Drillers Clinic

ISWD – International School of Well Drilling

CPS - CPD Distributors

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### CALENDAR OF EVENTS September

AGWT	Educational Videos and Books	Website	<a href="http://www.AGWT.org">www.AGWT.org</a>
ISWD	International School of Well Drilling Online Courses	Website	<a href="http://welldrillingschool.com">welldrillingschool.com</a>
NGWA	Introduction to Groundwater Resources (#1012)	Website	Online self-paced course
NGWA	Drilling Fluid Mixing (webinar #869)	September 14, 2016	Webinar
NGWA	Low-Cost Water Wells and Water Treatment Solutions to Ghana's Rural and Urban Water Supply Sector: NGWA International	September 21, 2016	Brown Bag Session

If you have any training opportunities you would like to be published in this newsletter please send them to the Board office.

**Next Board Meeting scheduled for September 7, 2016, State Engineer's Office, Cheyenne, at 10:00 am.**

**Professionalism is: the skill, competence, or character expected of a highly trained profession.**

**Be a professional, call yourself a professional, work like a professional, and demand the same from everyone in your profession!**