

# Wyoming Water Well Contractor's Licensing News

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## License Renewals!

Renewal notices for licenses expiring on December 31, 2016 were mailed the beginning of October. If you did not receive a renewal form, you can print one from the Board's Website under the "Forms" Section at <http://wwcb.state.wy.us>.

A reminder notice will be given to licensees who have not renewed by December 26, 2016.

Per W.S 33-42-109(c); if a licensee contractor does not submit the renewal by the December 31 deadline the license shall expire.

The contractor shall have thirty - one (31) day grace period to renew the expired license.

If additional education hours are needed you can obtain them prior to February 1, 2017 and send them in with the renewal fees.

## Introduction to Groundwater and Energy!

NGWA 2016

Groundwater is used to maintain a healthy lifestyle not only by serving as a source of drinking water, but also as a catalyst of energy development and production. While surface water is likewise used for energy production, many states rely on groundwater in areas where surface water resources are not abundant. Without groundwater, daily activities such as watching television or driving a vehicle would be hindered because groundwater is

necessary for power generation and fuel extraction. While groundwater is indispensable for energy production, the reverse is also true, as energy is required for groundwater withdrawal, treatment, and delivery. Groundwater and energy are, therefore, closely interconnected, so as the demand for energy increases, the demand for groundwater increases as well. Similarly, energy

conservation is directly linked to water conservation, which is necessary to ensure a lasting groundwater supply for future generations. As the need for water continues to grow to meet the demands of a growing population, understanding the relationship between groundwater and energy will be essential for safeguarding continued delivery of energy and water to consumers.

## Liability Insurance Requirement!

In October 2016 notification was emailed to call contractors that the Board Office has an email address for, in reference to expired

certificates of liability insurance. Although a good number current certificates were received, there are still a number of

contractors that need to send updated certificates. Please see attached list!

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

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email: [wwcb@wyo.gov](mailto:wwcb@wyo.gov)

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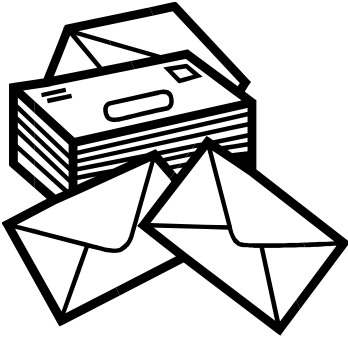
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## Letter from the Executive Director



The twelfth month is upon us and it has been a cold one all around the state. The winter solstice is vastly approaching and the days are getting much shorter. Times like this make it easy to understand why some animals hibernate!

The Board Office mailed out

174 license renewals for licenses that expire at the end of December 2016. To date approximately 90 renewals have been processed. If you are required to renew this year and did not receive a notice please call or email the Board Office so we can get you the appropriate forms.

I hope you all have a Merry Christmas and Happy New Year!

Until next time, Stay safe!

## Using Dry Bentonite to Seal Boreholes! By Bob Oliver

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Dry bentonite sealants have become very popular because they are easy to apply and require no mixing or pumping. They are a very effective method of grouting wells and other boreholes with a high-solids bentonite seal. They actually provide the highest solids bentonite seal available today. The dry sealants include:

- Bentonite chips
- Bentonite tablets or pellets
- Coated bentonite tablets or pellet

In order for these products to be effective, they must be installed properly. Although they are easy to use, as mentioned above, they need to be applied with care.

The first order of business is to calculate the amount of product needed. Using the well dimensions (depth and diameter), the contractor can consult technical information from the manufacturer. This usually includes published technical information, information on product containers or manufacturer websites. Some websites even include calculators for figuring the amount of product needed. Usually, manufacturers recommend figuring 10 percent above the amount of product calculated to cover unexpected void areas in the borehole.

One very important factor to consider in the installation process is that, regardless of whose product you may be using, fines will accumulate in the container during transit of the material from the manufacturer to the drill site. These fines will hydrate immediately when poured into water and will cause sticking and bridging problems.

These fines should be removed before the product enters the borehole, and this can be done by pouring them over a screen as they are introduced into the borehole.

These sealants should be poured slowly over the screen in to the borehole. A couple of minutes per 50 pounds of material is a good rule of thumb.

Manufacturers also recommend the use of a tagline, a weighted string, to assure that the material is falling into place and not bridging. If bridging occurs, the contractor should stop and correct the problem before continuing with the installation.

These products have been placed to depths ranging from a few feet to 1,500 feet, with some even going beyond that. The keys to successful installations at any depth are the care taken during the installation and the conditions of the borehole.

Selection of the proper product to use will depend on a number of factors. Some of these include:

- Cost
- Hole dimensions
- Conditions
- Product quality
- Criticalness of the seal

Read Full Article at [www.nationaldriller.com](http://www.nationaldriller.com)

## 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

WWQ & PCA – Wyoming Water Quality & Pollution Control 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 December - January

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
WWWA	Wyoming Water Well Association Convention	Casper, WY	January 18 - 20, 2017

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 January 18, 2017, Parkway Plaza, Casper 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!**