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capitalwell *NEWS*

CUSTOMER SERVICE IN THE CLEAN WATER CENTER HAS JUST BEEN TAKEN TO THE NEXT LEVEL!!

By: Aaron Burbee

Some of you may have already gotten a phone call from me to schedule your annual filtration service this year, which we have never done in the past. With this quick phone call I will ask you some general questions pertaining to your water quality and water system. We simply want to take our service for you, our customer, to the next level. We all know there is nothing worse than getting up to find that you have no water, or getting that staining or odor you may have had once before! This quick phone call is to identify a problem before it occurs, so that we can make proper recommendations or even simply deliver you a bag or two of salt for convenience. With staying on top of your water needs it allows us to provide you with the up most quality water solutions around, and keeping you worry free about your water. With your extra input before the filtration service we can be more accurate at gauging time, and more importantly, gauging overall costs to you.

Now, for the most exciting news!!!!!! We now offer salt delivery! This is a topic we will cover with the phone call. We all know how it can be a pain going to your "BIG BOX" stores to pick up 3 or 4 bags of 40lbs bags of salt, carry them out to the car, load then in, drive home, and then carry them down to the cellar. DON'T WORRY ABOUT IT ANYMORE! We will bring the amount of salt you

average for the year, that's right, for the year and top off the brine tank while we are there. This is a specific service package we have set in place for you. It is automatically renewable, so again, no worries! If you would like to take advantage of it now, please contact me before I contact you. Otherwise, we will talk soon.



with the closed loop we could either adapt our existing well to accommodate the new geothermal system or drill new bore holes. We made the decision to drill new bore holes and install a Closed Loop System.

What is a Closed-Loop System?

Closed loop uses a continuous loop where heat transfer fluid is circulated (typically glycol water solution). We bore 6" vertical holes in the ground 150-450 feet deep per well. Each hole contains a single loop of pipe (1"-1.25") with a U-bend at the bottom. The hole is then backfilled or grouted to improve the thermal conductivity. Each vertical pipe is then connected to a horizontal pipe underground to and from the heat pump. Vertical loops are generally more expensive to install, but do not impact the bedrock aquifer and their success is not contingent on hitting any water. We recommend 150-200 feet of bore hole per ton of the heating system for the most efficient performance of a closed loop system in New Hampshire.

Drilling was started in February of 2010. Two boreholes were drilled to 200' the Closed Loop System installed, lines run into the house, the geothermal contractor came and in one day the old system was removed, the new system was up and running; making the change over in the middle of February very quick and comforting.

The new system has been up and running for four months and running flawlessly, and with the unusual hot weather we have had this spring we have even been able to try out the cooling system!

We have been working with Geothermal Contractors now for several years, and now we know firsthand how efficient these systems are.

Capital Well Clean Water Center is a proud member of NH Contractors.net

CONVENTIONAL FOSSIL FUEL SYSTEM CHANGE OVER

By: Mike Dragon

In the fall of 2009 my wife and I started thinking it was time to put our 25 years old forced hot air system to bed, and GO GREEN.

We chose to go with a Closed Loop System. We had a couple of options

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NORTH COUNTRY NEWS

By: Stephen Voisine

Another winter season has passed and with what was an early spring, we are excited to step back into our busiest seasons! Although the winter months are a little more quiet for our team, that doesn't mean we haven't been busy in our community.

Late last fall the Northern New Hampshire and Vermont communities banded together for one heroic cause, and after several months the new 45th Parallel EMS Facility was erected. This was a tremendous community effort and many were involved in making this great need a reality. Capital Well Clean Water Center was selected and honored to provide the well and water system for the facility. CWCWC has taken our "job" a bit further and turned our involvement from service provider to fund raiser. We were so impressed at how our local communities came together for this cause, we have decided to adopt the project and help out in this way.

In March we took part in the 2010 Snodeo Event at Coleman State Park. We spent 2 beautiful days serving hot cocoa to all who passed by our booth. Several hundred snowmobilers and spectators enjoyed the warmth it provided. CWCWC donated the hot cocoa and the staff to serve it. All donations were set aside to assist the new EMS Facility in the way of Recreational Rescue.

CWCWC has several other events on the calendar this year, in which we will continue to serve refreshments and take donations for the EMS Facility and present them with a check after the Lancaster Fair.

Please come and join us in supporting our community. You will find us at; The North Haverhill Fair, July 28th - August 1; The Colebrook, NH & Canaan, VT, Moose Festivals August 27th-29th; and the Lancaster, NH Fair September 2nd-6th.

We look forward to seeing you there! We would like to thank all those who have already involved themselves in the 45th Parallel EMS Facility.

We also wish thank those who donated funds at the Snodeo and volunteered time. It has already been a blessing to our local communities and will benefit our area tremendously for years to come.



MORE BABIES AT CAPITAL WELL
~ One little girl and One little boy~

Tucker Liberte Dragon born on
December 18, 2009 to
Adam Dragon
Pump/Safety Manager

Harbor Michael Dragon born on
April 19th, 2010 to
Gregory Dragon
Pump Technician

RECENT EMPLOYEE CERTIFICATIONS:

Adam Dragon, Daniel Grace, Gregory Dragon and Stephen Voisine recently completed the Water Energy held in workshop on Geothermal System in New England.

Gregory and Michael Dragon were recently certified in ground source heating and cooling for Residential & Commercial Properties, Leominster, Ma.

Gregory Dragon recently completed a Charta Plastic Socket and Butt Training Class.

Mike Dragon, Joe Conrad, Adam Dragon, Ken Miner, Joe Dragon and Gregory Dragon recently took a refresher class on welding by Wayne Peasley of Peasley Safety Consulting, LLC.



CAPITAL WELL'S SAFETY CORNER

Have you noticed a mood change lately? Feeling a little happier? See your neighbors more? Enjoying the outdoors? It may be a sign that Summer is actually here. It is true that the presence of the sun can actually boost your mood and personality on life

Rule #1- Hydration

You have to stay hydrated all year long. If you're thirsty, you are already dehydrated, so drink plenty of fluids. Don't be fooled, stick to your water. Take bottles out with you if you are going to be working out in the yard, exercising, walking or hiking. I cannot express the importance of hydration. Sports drinks like Gatorade or all sport are best used when exercising longer than 60 minutes in duration. This includes if you're gardening or mowing grass for longer than 60 minutes as well. You need to replace those electrolytes.

Rule #2 - Clothing

Be cool beyond fashion. Hats, sunglasses, moisture wicking fabrics, and comfortable shoes are a good idea. Wear loose fitting clothes to get the most comfortable movement in the heat. If you are wearing a hat, wear one where the heat can escape the head. The hat may be made of moisture wicking fabric, have ventilation holes, or be made of straw.

Rule #3 - Safety

Real safety. If going out for a walk or run, take your cell phone in case something happens. Let someone know where you are going. Lock up bicycles, roll up windows on cars and lock your car if traveling. If riding a bicycle, consider carrying mace or another effective agent against dogs who love to chase wheels.

THIRSTY FOR KNOWLEDGE

TUNE INTO 107.7 WTPL
THE 'PULSE'

EVERY SECOND AND FOURTH WEDNESDAY
AT 8:15 AM WITH PETER ST. JAMES

"TALKING WATER" WITH

**CAPITAL WELL
CLEAN WATER CENTER**

GEOTHERMAL

By: Daniel Grace

2009 proved to be another great year for the progression and innovation of geothermal heating and cooling systems, New Hampshire boasting a 26% installation gain from 2008. The International Ground Source Heat Pump Association (IGSHPA) called 2009 "a take-off year for a new era of geothermal growth." After remaining fairly flat for years, geothermal activity is heating up!



Installation numbers are continually growing in spite of the recession... why? It appears that projected fuel costs and great tax incentives are what's driving this wave of growth, that and the public's awareness of "GREEN" renewable energy.

Why settle for 90% efficiency when you can have 400%!

Being "green" is not only progressive but intelligent. What used to be a common 5 year pay back (ROI) on geothermal has been reduced in many cases to one to two years, due in part by the 30% federal tax credit and the aggressive rebate programs put forth by most major utility companies. An average single family home in most cases will also cut their carbon foot print, from the 2000 pounds of CO2 per year (typical fossil fuel heating system) down to 100 pounds CO2 by installing geothermal heating and cooling.

Once the genuine geothermal facts are known and understood by a consumer, the inevitable quote is frequently heard, "It just makes sense". When working with reputable, experienced contractors you can create

efficient, comfortable heating and air conditioning all while saving the planet and oh yes... money too!

RADON IN WATER? – WHAT'S IN "YOUR WATER"?

By, Jonathan Swain
Sr. Project Manager

Hello, and welcome to warmer weather! A day does not go by without a call with questions about radon, so I thought I would talk briefly in this article about radon in water. First, let me start by informing you of the most important fact about radon, simply put in layman's terms:

Radon is a cancer-causing radioactive gas. You cannot see, smell or taste radon, but it may be a problem in your home. The Surgeon General has warned that radon is the second leading cause of lung cancer in the United States with more than 21,000 deaths attributed annually to radon related lung cancer. If you smoke and your home has high radon levels, you're at higher risk for developing lung cancer. Some scientific studies of radon exposure indicate that children may be more sensitive to radon gas.

Radon is found in the air and the water. Testing is the only way to find out what your levels of radon are in your home. For a very small fee, typically less than \$45.00 you can have a radon test completed to find out if the level needs attention where you live. That's \$3.75 per month for one year to find out if you are at risk!



Radon Mitigation System

Radon is measured in picocuries per liter (pCi/L) of air or water which is a measurement of radioactivity. For private wells, the state recommends that homeowners consider taking steps

to lower radon in water if the level exceeds 2,000 pCi/L. Nearly one out of every 15 homes in the U.S. is estimated to have elevated radon levels. The prevalence in New Hampshire is even greater – one out of every three homes! Radon Problems can be fixed! For a long-term solution, a radon mitigation system should be installed. Radon mitigation systems typically remove up to 99% of the radon gas from the water. We take water serious at Capital Well Clean Water Center, and this information on radon gas is very important for everyone to understand. It's NOT an attempt to scare you into testing, it's simply an attempt for you to understand its importance. Fortunately, in 2010, we have technologies available to us today that our ancestors did not, from testing to treatment!

Please call us today to schedule your radon sample collection, or to simply ask any questions at all, we are here for you – our valued customers

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