



Waterwell and Groundwater Monitoring Newsletter

June 2013

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Dear Robert,

Canadian Pipe & Pump Supply is an industry leader engaged in the manufacturing and distribution of pipe product used in waterwell and groundwater monitoring applications. In addition, we supply pumps and accessories used in conjunction with our pipe. We firmly believe in helping our customers grow their businesses. Our skilled team of industry experts can help select the proper product for your application or help to design a custom solution.

We have four locations across Ontario to serve your needs. Please visit us at one of our branches located in Toronto, Orillia, Ottawa or Tillsonburg.

Soda Ash - the easy answer to hard make-up water

High levels of calcium ions (or hardness) in make-up water can negatively impact the mixing ability and overall effectiveness of drilling fluid components commonly used in water well drilling. Since many available sources produce water with calcium levels well over the hardness benchmark of 100 parts per million, it is essential to treat the make-up water prior to mixing it with drilling clays such as bentonite. Fortunately, calcium levels can be easily reduced to optimal levels by adding Soda Ash (aka sodium carbonate) to make-up water prior to mixing. Soda Ash has the added advantage of raising alkaline levels in the water, which also increases the mixing ability of bentonite.

A sample of the make-up water should be tested for both hardness and alkalinity prior to adding Soda Ash in order to determine the appropriate quantities needed to provide the optimum mixing environment. Generally, 1-2 lbs. of Soda Ash is needed for every 100 gallons of make-up water. Providing products and services for the water well industry since the 1950s, Baroid Industrial Drilling Products offers Soda Ash in 50 lb. bags.

Baroid recommends the following procedure in treating your make-up water:

- Always check the hardness and pH levels before treating
- Be sure to add Soda Ash before you add bentonite or polymer to the drilling fluid
- Add Soda Ash separately from other drilling fluid components
- Maintain water pH levels between 8.5 - 9.5

[Click here](#) to see full details on Baroid's Soda Ash product.

Soda Ash is the easy solution to your hard water problems. Contact your CPPS Representative to place your next order for Soda Ash from Baroid Industrial Drilling Products.

We look forward to your business and partnering with you to help drive your growth in 2013.

Sincerely,

Robert Martini
Vice-President General Manager