



Waterwell and Groundwater Monitoring Newsletter

July 2013

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Dear

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.

A "Screening Process" for selecting Water Well Screens

As both municipal and domestic well water drillers know, sand control during the drilling process is a key challenge that needs to be managed for the successful completion and operation of water wells. Sand production can cause numerous problems for drillers, including the failure of pump equipment, the obstruction of water flow and damage to both downhole and surface equipment. Therefore, prior to drilling, it is important to be aware of the types of sediment you are likely to face in the drilling process, and determine the equipment you will need in order to mitigate potential problems.

Water well screens are a critical part of sand control systems; sometimes operating in conjunction with the gravel pack and other times being utilized as a standalone solution. An innovator in water well screens since the early 1900s, Johnson Screens has been helping customers manage sand control issues with its advanced designs and industry expertise for decades.

According to Johnson Screens, an efficient well should allow access to the formation for development purposes and permit the unobstructed flow of water into the well. With these objectives in mind, Johnson Screens developed the Continuous Slot Vee-Wire® screens, which allow water to enter along the full screen and facilitate the development of the entire formation. The benefits of the Continuous Slot Vee-Wire® screen design include:

- Lower pumping costs - the screen design allows water to flow more easily, which reduces drawdown inside the well and therefore the energy demand on the pump.
- Reduced wear and tear on the pump - the screens prevent sand from entering the well and causing abrasion to the pump.
- Increased well life - the ease in which water enters the well means it can move at low velocity. Low velocities mean reduced pressure changes in the well and a lower probability of mineral encrustation on the surface of the screen.

CPPS is a proud partner of Johnson Screens and offers a wide product selection of well screens. Contact your CPPS Representative to find out more.

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

Sincerely,

Robert Martini
Vice-President General Manager