

Flygt Municipal Newsletter

Fall 2006



Welcome to the Fall 2006 ITT Flygt Canada Municipal Newsletter!

We hope you find the contents both informative and of interest. The intent is to publish several issues each year with articles of interest to the Flygt customers regarding processes, products and events of interest to the Public Utilities Market in Canada.

Anthony Altavilla, eng.
Market Manager, Public Utilities

Flygt Sludge portal released – Ask Flygt!

This is the theme of our newly released sludge pumping portal.

With our expanded ability to handle municipal sludge due to the excellent sludge handling characteristics of our N-pumps and our ITT Flygt branded progressing cavity pump, we can now provide a wide range of products and solutions for your municipal sludge handling requirements.

To complement our product offerings and selection tools, we have released a sludge portal (www.flygt.ca/sludge) that provides a wealth of information for handling sludge. In this site you will find a wide variety of information, whether it is a set of guidelines for selecting the right sludge pump, design or sizing recommendations, product information or application suggestions, etc.

It also includes some PowerPoint presentations and some excellent case stories that indicate best practices from around the world.

We are sure you will find this site very useful.

To fully exploit this portal, please ensure you have the latest version of our pump selection tool, FLYPS (3.1.5). If you do not have this version, please contact your local Flygt representative or upgrade from our site at www.flygt.ca.

Remember - Ask Flygt!

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Maple Pump Station to use Goulds model 3409 pumps supplied by ITT Flygt

ITT Flygt has been awarded an order to supply six model 3409 double suction pumps and motors for a value in excess of \$500 K.

The Maple Pumping Station needed expansion to meet the growing appetites of the cities of Aurora and Newmarket, in the Region of York, north of Toronto. A water main was built from North Maple Pumping Station to the Aurora-Newmarket Reservoir at Bloomington Road, where three 3409 L, 14x18-28 units and three 3409 M, 10x14-20L units will be installed.

The general contractor for this project is Torbear Construction. Malfar Mechanical is handling the mechanical aspects of the project, including these pumps.

Nova Scotia High School student represents Canada at the ISJWP

Joanna McNeil of Saint-Peter's, Nova Scotia, will be representing Canada at the Stockholm Junior Water Prize (SJWP) competition in Stockholm, Sweden, in August 2006. The 18-year old student from Richmond Academy recently won the Canadian competition, held in conjunction with the Canada Wide Science Fair. This year, the Fair was held in Saguenay at the Université du Québec à Chicoutimi from May 13th to 21st.

Ms. McNeil's project, entitled Living in the Sydney Tar Pond: An Analysis of the Microbial Community, sought to assess the feasibility of an environmentally friendly alternative to the decontamination of North America's largest toxic dump site using biological remediation instead of the recommended incineration. This process uses microorganisms to decompose toxins into more manageable substances. The main research activity was to perform microbial community analysis, gauging the activity levels of the microbes in the Tar Ponds.



Congratulations Joanna!

<http://www.wcwea.net/SJWP/SJWP2006.htm>

ITT Flygt distributes the products of our sister division, the ITT IBC division, to the Canadian municipal market.



Operators' Challenge at BCWWA

The BCWWA annual conference and trade show was held April 29 - May 3 in beautiful Whistler, BC.

One activity that has proven popular is the Operators' Challenge where eight teams from various communities and municipalities – one team combined workers from Whitehorse and Faro - compete against the clock in the performance of a series of specified tasks. Congratulations to the winning team from the City of Burnaby, BC.

ITT Flygt is proud to participate in this challenge by supplying the BCWWA with a unit on which the various teams compete.



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APP 521 – An easy monitoring and control unit for small to medium pump stations

The APP 521 is a robust pump controller for small to medium size pump stations.

The ITT Flygt APP 521 controller simplifies daily pump station operations. The controller is extremely user friendly. Its use of a compass rose navigator simplifies using this unit and really does not require any training to master it.

The unit is DIN-rail mounted for ease of installation in either new or existing control panels.

This basic pump controller incorporates features that have been carefully selected for easy monitoring and control. In addition to standard features such as maintenance run, automatic alternation, high and low alarm, there are four general inputs enabling you to configure optional functions for the specific pump station.

When connecting the APP 521 to a SCADA system, you can remotely read status, alarms and optional data. You can also remotely control the pump and change set points. It's easy!



You can find additional details about the APP 521 by browsing at www.flygt.ca.

A milestone in wastewater pumping

ITT Flygt has a long experience in wastewater pumping. Already in the 1930's, the company manufactured and sold pumps for this application. But 1956 really constituted a milestone. This was the year the world's first submersible wastewater pump was launched. This invention was called the CP-pump and soon became Flygt's most successful and popular product.

50 years of continuous operation

The key feature of the CP-pump was that it could be lowered into the sump from ground level and that it would locate the connection to the pipe system by itself. This meant that the sump could be standardised and the cost of installation reduced.

Today, 50 years later, there are lots of these original CP-pumps still in operation. They provide the ultimate reflection of Flygt's dedication to product quality and commitment to service.

More than 2 million wastewater pumps

This year, Flygt's 2,000,000th wastewater pump leaves the factory and goes into operation. It's an N-Pump. This new generation pump is actually based on the same basic working principle

as the original CP-pump but comprises all the experience Flygt has gained over the years.

The introduction of the N-Pump has taken wastewater pumping to a new level of efficiency. At the heart of the pump there is the patented N-technique that creates a self-cleaning flow-path through the pump. This design minimises the risk of clogging and maintains efficiency over longer periods of time. It is state-of-the-art pump technology.

What's next?

At Flygt, development is a constant state of things. In Flygt's research and testing laboratories there are always activities and projects going on to take pumping technology still further. New ideas are continuously being tested in the field in close collaboration with customers world wide. It is the never-ending search for small improvements and minor adjustments that really pays off in the end. Big innovations like the CP-pump and the current N-Pump happen only once or twice in a lifetime. But when they happen, you can expect them to come from Flygt.

