

News Release

For Immediate Release

HARMAC PACIFIC SELECTS FITNIR ANALYZERS TO SUPPLY ONLINE FT-NIR ANALYZER

Vancouver, BC – April 6, 2017 – FITNIR Analyzers Inc. has been awarded with supplying its state-of-the-art FT-NIR online analyzer system to Harmac Pacific. A single analyzer and field sampling station system will analyze seven recovery and recaust streams at the Nanaimo, BC mill.

“Harmac’s primary intention for installing FITNIR Online is to stabilize the TTA (Total Titratable Alkali) for more consistent slaker operations and a higher CE (Causticizing Efficiency),” stated Doug Barbour, Production Engineer. “With that, Harmac will see an improvement in white liquor strength and stability, potentially translating to an increase in digester yield.”

Harmac Pacific considered other available liquor analyzer technologies, but a number of key attributes elevated FITNIR’s position to the top, including the technology’s broad acceptance within the pulping industry as well as overall life cycle cost.

“With a slight delay in initiating this project due to market downturn, we are pleased to finally be proceeding with the installation of FITNIR Online at Harmac Pacific,” said Ryan Prontack, Engineering Superintendent. “We are looking forward to improved operations from having an online liquor analyzer and expect to see a very quick return on investment on the project.”

“We are excited to add Harmac Pacific to our growing list of Canadian pulp and paper installations,” stated Thanh Trung, VP of Technology for FITNIR Analyzers. “We are pleased to contribute to the reinvestment of yet another locally owned and operated mill.”

Equipment delivery to Harmac Pacific is being planned for June 2017 in preparation for a target start-up date of July 31, 2017.

About Harmac Pacific

Harmac Pacific operates a Northern Bleached Softwood Kraft (NBSK) pulp mill located on the east coast of Vancouver Island near Nanaimo, British Columbia. Nanaimo Forest Products Ltd., the owner of the Harmac Pacific trademark, restarted the mill with a single production line on October 3, 2008, producing NBSK at the rate of 226,000 tonnes per year. In 2009, a second production line was restarted and capital upgrades in 2010 and 2011 brought the mill’s production capacity up to 365,000 tonnes of pulp per year.

The Harmac mill produces high quality kraft pulps made from custom blends of Douglas fir, western hemlock, balsam fir, interior SPF and western red cedar. The pulp is sold in Asia, Europe, North America, and Latin America. With its strategic location on a deep water port, the mill is well situated for cost effective export of pulp and receipt of raw materials such as wood fiber.

<http://www.harmacpacific.com/>

About FITNIR Analyzers Inc.

FITNIR’s automated online and benchtop analyzers reliably measure complete pulp liquor compositions. Fast, frequent and accurate measurements drive control strategies that decrease process variability and environmental impact for improved efficiencies and profitability. Proven applications for the digester,

recausticizer, recovery boiler, ClO2 generator, brownstock washer, and now kappa measurements for wet and dry pulp, FITNIR is the next generation of process analyzers. www.fitnir.com

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