

New Filtration Tech for International Paper's Pulp Mill in Canada

Natural Resources Minister, Jonathan Wilkinson has announced funding of over CAD3.6 (USD2.7) million to International Paper Company, in collaboration with Via Separations Inc., for the implementation of a first-of-its-kind filtration technology aimed at reducing the energy intensity and carbon emissions associated with the kraft pulping process.

After successful pilot demonstrations of the technology, International Paper will be the first manufacturer to deploy Via's Black Liquor Concentration System at commercial scale. The project will help minimize the mill's carbon emissions, improve throughput and increase the production of valuable co-products like converting the black liquor soap into crude tall oil, which can be used in several applications, including as a potential bio-fuel for transportation.

Deployed in Grande Prairie, Alta., this project demonstrates how pulp mills can implement low-carbon solutions to help move toward net-zero emissions while advancing the competitiveness and efficiency of the forest sector and enabling clean tech innovation through a cross-industry partnership. This breakthrough filtration technology will lead to major environmental benefits and has significant replicability potential, providing valuable revenue diversification opportunities for mills across Canada.