



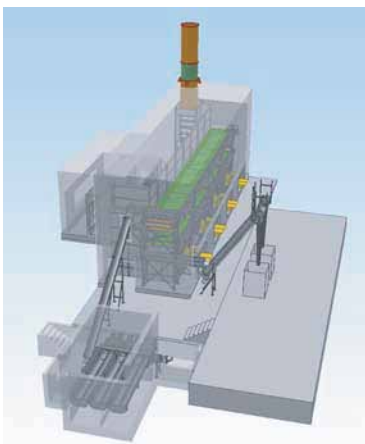
**BENEFITS**

- ▶ Low particulate emissions (no controls required)
- ▶ Low odor emissions (no controls required)
- ▶ Landfill avoidance
- ▶ Capability to use waste heat
- ▶ Safe low temperature drying
- ▶ Valuation of biomass

**DRY-REX™ Low Temperature Biomass Drying**

A DRY-REX™ low temperature biomass belt drying system was installed to dry reclaimed fibre from primary water treatment at this kraft pulp mill from 40% solids to 90% solids. The system operates with exceptionally low odor and particulate emission rates and no controls are installed or required. Savings in the form of landfill avoidance and valuation of biomass result in exceptional economics of the application. The system performs as follows:

- Throughput: 76 wet tonnes/day
- Input Moisture: 40% solids
- Output Moisture: 90% solids
- Evaporation Rate: 1,724 kg/h



**Background**

Kamloops Pulp began operation in 1965. Thorough expansion and upgrading, the mill became recognized as one of the finest world-scale, internationally competitive mills in North America. The fibre supply for the pulp mill is drawn from sawmill residues. Wood chips, sawdust, shavings, and hog fuel are supplied by 20 independent sawmills within a 200 kilometre radius of Kamloops. It is the second largest northern bleached kraft mill in North America, and became part of Domtar in 2007. The mill has an annual pulp production capacity of 485,000 tonnes from two pulp lines, and produces cellulose fibers, papergrade bleached softwood kraft (short and long fiber), and specialty pulp grades. The site won the 2008 BC Export Award for Sustainability.



An Innovative Technology Company Providing  
Custom Energy and Emission Reduction Solutions

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