

OCC Stock Prep System Weyerhaeuser Company Ltd.*



Weyerhaeuser wanted to develop an old corrugated container (OCC) recycling pulp mill to replace its existing semi-chemical pulping line. The objective was to make corrugating medium from the recycled pulp that was equal to or better than that made with virgin pulp.

A very simple, but highly effective system was decided on, comprising:

- bale conveyor
- continuous pulper and detashing screen
- high density cleaner
- coarse screening system
- forward cleaning system
- thickener
- pressurized dispersion
- high density storage
- refiners
- DCS control system
- trash handling system

In order to reduce the projects costs, existing buildings were extensively renovated and re-used for the new mill. Dick Engineering's role in the project included:

- feasibility study
- appropriation grade capital cost estimate
- detailed design
- procurement
- construction and startup assistance

Project statistics

Location	Sturgeon Falls, ON
Capital cost	\$12,000,000
Schedule	10 mo
Production capacity	260 t/d
Grades	OCC

* formerly MacMillan Bloedel Ltd.