

# CHIP THICKNESS UNIFORMITY

**CLIENT:** Kimberly-Clark Nova Scotia  
**LOCATION:** Abercrombie Point, Nova Scotia

The scope of this project was to provide a new screen room, complete with gross overs screening. This mill is a cold weather facility that uses 100% purchased chips. The chips are fed to the new screen room from two directions. The scalping screens were retrofitted into two different existing structures, and new enclosed trussed conveyors were designed to feed the new screen room from these different locations. The chip uniformity system consists of three lines of gyratory, disc thickness, ADS, and slicer equipment. The system will handle 180 BDT per hour, and replaces two older screen rooms using gyratory screens and re-chippers. The complete woodyard was reprogrammed as part of this project, and all woodyard and screening operations are controlled from a new control room. The entire project from the development of conceptual layouts through start-up took only 10 months.

## SCOPE OF ENGINEERING SERVICES PROVIDED TO KCNS:

- I. Preliminary Engineering
  - a. Developed several alternative layouts based on owner's site and process criteria and Evergreen Engineering, Inc.'s experience.
  - b. Evergreen/owner team selected the most viable alternative, and Evergreen developed flow sheets, layouts, sections, equipment lists, P&IDs, a Class 20 estimate, and a scope of work at the owner's appropriation request.
- II. Detailed Engineering
  - a. Provided fast-track engineering, including all mechanical, civil, structural, electrical, and control design (PLC).
  - b. Wrote technical specifications for all purchased equipment, fabrication, and installation services.
  - c. Provided construction and startup assistance.

