

ANOTHER PROBLEM SOLVED!

OPEN-TOP HEADBOX SHOWER ELIMINATES PULP BUILD-UP

THE CHALLENGE

A pulp mill in Western Canada was facing a production and maintenance challenge due to a build-up of pulp around the inside diameter of the headbox. Pulp build-up can lead to bio-degradation and contamination of the pulp, affecting the integrity of the product. The build-up was being treated manually but this method of cleaning was not as efficient as a dedicated shower header could be.

THE SOLUTION

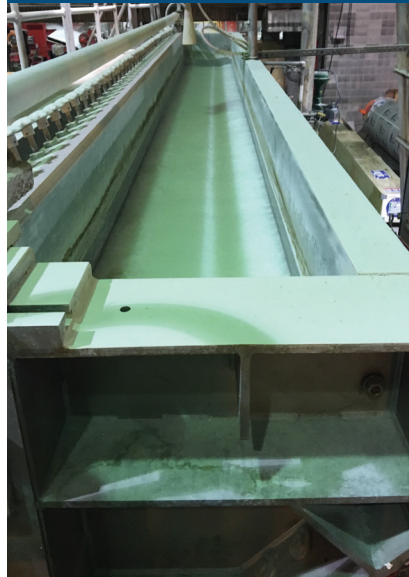
Our spray application expert worked with the customer to find a solution for an open-top headbox design. A custom shower design that would keep the inside of the headbox clean, without spraying above the open-top, was recommended. This design eliminated the accumulation of pulp on a continuous basis so manual cleaning was no longer required. The shower was installed during a scheduled maintenance shut-down so production was not affected.

THE RESULTS

- ▶ Improved Operational Efficiency and Productivity
- ▶ Elimination of Potential Web Breaks
- ▶ Improved Product Quality

For more information on this solution or if you have a fluid handling challenge of your own - Contact a John Brooks Company Application Expert today!

BEFORE



AFTER



PULP PRODUCTION | HEADBOX CLEANING

CUSTOM OPEN-TOP HEADBOX SHOWER

TECHNOLOGY UTILIZED

- John Brooks Custom Built Shower Header
3" SCH 40 Pipe
- 122 Drop Pipe Nozzle Assemblies | 60° Full Cone Nozzles

HOW IT WORKS

- 252" Shower Header is mounted on top of the Headbox.
- Nozzle Extensions place nozzles as close to the problem area as possible.
- Cleaning Spray is directed several inches down into the Headbox.
- A Shower Sub-Assembly was added at each end to spray the short sides.