

RECORDED BENEFITS

- 100% talc-free operation
- Quality and runnability maintained
- Online tracking and control of deposition rates
- Reduced system turbidity

Talc-free Pitch Control Achieved via Advanced Chemistry and Real-time Monitoring

Infinity™ Pitch Control Agent and OnGuard™ 3S Analyzer

Customer Challenge

A North American pulp mill producing 1000 tons per day of NBSK/NBHK was interested in eliminating talc due to customer requests related to health and safety issues.

Recommended Solution

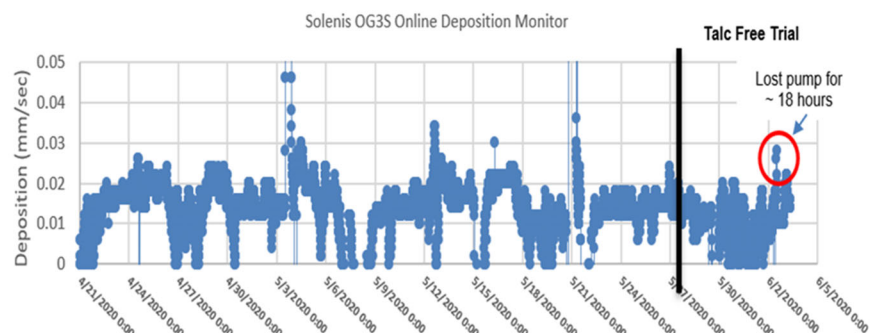
After a system audit, the Solenis team recommended replacing talc with Infinity PK7825 pitch control agent applied after the post-bleach thickener. They also recommended our revolutionary OnGuard 3S analyzer that provides accurate scale measurement in real time and provides advanced warning of potential upset conditions.

In this case, the OnGuard 3S was used to monitor deposition rates and program feed rates to control deposits so that adjustments could be made before they negatively impacted dirt counts. The deposition rates were extremely well correlated with dirt counts at the pulp machine and provided a 12–18-hour advance warning.

Results Achieved

The Infinity PK7825 program successfully replaced talc with no negative impact on dirt counts, deposition or runnability. Additional benefits included a reduction in machine turbidity as a result of eliminating talc.

The OnGuard 3S provided extremely good correlation with deposition rates as indicated by a period of lost chemistry feed rates that was identified and resolved before it could impact machine dirt counts.



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