

Industry: Pulp and Paper

- Lime Mud Flow

SONARtrac[®] SOLUTIONS

Lime Mud Flow to Precoat Filter

Benefits

- Allows accurate dosing of chemicals
- Provides accurate flow measurement while immune to scaling on inside of pipe
- Easy installation / < 2 hours
- Zero process interruption during installation
- Meter roll-out not necessary during annual outage when the line is cleaned
- Customer estimates they will save \$15,000 per year in maintenance and proper dosing of chemicals

Scaling on the inside of pipe affects the magmeter reading, which may result in improper dosing of chemicals. The SONARtrac meter, immune to scaling, will save customer thousands in maintenance costs and costs associated with improper dosing.

Application

Lime mud flow to precoat filter control

- Higher mud solids content
- Steady process operation
- Low alkali content
- Low maintenance costs

Sample application specs

- 3" diameter SS schedule 10 pipe
- 30% solids by weight
- Nominal flow rate 125 gpm



SONARtrac Value Proposition

The SONARtrac meter needs to be installed one time — this is extremely attractive to the customer dealing with this application. Furthermore, the line can be cleaned out while the meter is in place.

Maintenance can be done on the meter at anytime; the mill does not need to wait until mill outage for installation or maintenance. Typically, the mill manager has confidence in the magmeter reading for approximately 4-6 months of the year. After 4-6 months, the electrodes become coated and the reading develops an offset that negatively impacts the chemical dosing of the paper slurry.

The SONARtrac meter is not affected by coating inside the pipe; therefore, the quantifiable business results are derived from reduction of maintenance costs, reduction of installation costs as well as the reduction of costs associated with improper dosing of chemicals.

SONARtrac meters will result in an annual savings of approximately \$15,000.