



SuperWash Technologies

*Comprehensive Foam Control and Drainage Management Technologies
for the Brown Stock Washer Unit Operation*

NALCO Water
An Ecolab Company

SuperWash Technology Description

- State-of-the-art silicone emulsion and silicone concentrate chemistries that are custom formulated to meet the demands of all types of pulp furnishes
- Superior process injection technology using PARETO™ Mixing Technology
- Best practice application technology gained by experience in over 500 global Pulp mill applications



Program Description

SuperWash technology is designed to improve the performance of the Brown Stock Washer unit operation. It does this through superior foam control and by accelerating pulp drainage. As a result, spent black liquor is more efficiently removed from the fiber and can be more effectively recovered.

A site survey is conducted prior to program implementation. Typically a conductivity and temperature profile of the pulp line will be performed to aid in product selection and to determine the optimum dosing points.

The SuperWash program can also utilize PARETO Mixing technology to more effectively distribute the chemical in the process pipe. Optimization of the chemical dose is then achieved.

Program Benefits - Total Cost of Operation Improvement

- Improved pulp throughput
 - Increased tonnage rates
- Reduced soda losses
 - Lower chemical make-up costs
- Improved pulp quality
 - Minimize potential for defoamer carryover and related deposits
- Reduced bleaching costs and potentially improved pulp brightness
- Reduced evaporation costs
 - Higher weak liquor solids
 - Minimize liquor handling issues
- Optimized wash-aid usage rates

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