

**PAPER
TECHNOLOGIES**

**WATER
TREATMENT**



TAP INTO THE VAST RESOURCES

of a water treatment
leader.

Enhance
your mill with
advanced services
and expertise
from Buckman.

As you look for ways to conserve resources and maximize efficiency in pulp and papermaking, there's one resource that's always available in full supply: Buckman. Our advanced chemistries and innovative

solutions can successfully address water treatment issues throughout your mill, from influent to effluent and everywhere in between.

We will help you reduce water and electricity consumption, enhance equipment performance, reduce downtime, meet environmental challenges, and lower costs. By keeping your systems clean and performing at their highest level, Buckman can help make your entire mill more efficient and competitive.



See the clear difference Buckman water treatment programs can make.

Buckman's comprehensive programs are built upon a team approach with full collaboration between our water treatment specialists, our paper process specialists, and your mill personnel. With Buckman, you will always get the water treatment products and on-site support you need to help your mill thrive.

Our customized water treatment service plan includes:

- Site-specific problem solving and product development
- Buckman's Transition Workshop, which ensures a smooth transition for new applications
- Customer satisfaction surveys and workshops
- Business reviews and best practices
- Safety and energy audits
- Green technologies



In addition, our technicians in the field are supported by our global network of water treatment experts, so you benefit from a world of up-to-date technical knowledge and experience. Buckman's ISO 9001 and 14001 certifications assure you of our commitment to quality and environmental excellence.



Rely on Buckman for high-performance solutions

Buckman OnSite[®]

- Data management and analysis
- Reporting and alert functions
- Repository for service documentation

Influent treatment

- Clarification and filter-aid polymers
- Color removal
- Mill water disinfection
- Mill water deposit and corrosion control

Pretreatment for impurity removal

- Precipitation softening
- Filtration
- Ion exchange, reverse osmosis and EDI

Feedwater and boiler treatment

- Inorganic oxygen scavengers
- Organic oxygen scavengers
- Volatile metal passivators
- Optimized polymer chemistry for low and high operating pressures
- Matched pairs for coordinated PO₄ control
- Tracers for cycle studies
- Antifoams

Recovery boiler treatment

- Recover Boiler Adviser (RBA), leak detection
- Fireside pluggage monitoring
- High-pressure internal treatment
- Smelt spout cooling and monitoring
- Comprehensive inspections, internal and fireside

Steam treatment

- Blended neutralizing amine
- Filming treatment
- Volatile organic oxygen scavengers and passivators
- Condensate quality monitoring

Cooling water treatment

- Closed systems
- Open recirculating systems – Corrosion, scale, and deposition inhibitors
- Biocides
- Clam and mussel control
- Online monitoring

Waste and effluent treatment

- Clarifier settling aids
- Defoamers
- Sludge dewatering polymers
- Odor control
- Bioaugmentation

Learn more

Tap into an endless resource for water treatment. Find out more about Buckman papermaking water treatment programs. Contact your local Buckman representative, or visit us online at buckman.com.



Analysis

- Full water analysis capability
- Deposits and scale characterization
- Steam purity
- Resin analysis, membrane autopsy
- Metallurgical failure analysis
- Tube deposit loading (DWD)
- High purity condensate quality
- Boroscopic and fiber optics inspections

Water recycling

- Effluent water reuse
- Process water reuse
- Recycling for optimum thermal efficiency

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Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose referred to in the directions for use when used in accordance with the directions under normal conditions. Buyer assumes the risk of any use contrary to such directions. Seller makes no other warranty or representation of any kind, express or implied, concerning the product, including **NO IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS OF THE GOODS FOR ANY OTHER PARTICULAR PURPOSE**. No such warranties shall be implied by law and no agent of seller is authorized to alter this warranty in any way except in writing with a specific reference to this warranty. A877H (09/18)

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