

Process & Water Treatment for the

OIL SANDS INDUSTRY

Oil Sands producers are constantly striving to optimize production while maintaining the highest levels of quality and compliance. ChemTreat's process and water management strategies improve the efficiency of plant operations, protect employees and the environment, and ultimately make our customers more competitive.



The Best People

Developing Partnerships, Delivering Results

- Global network of experienced field engineers with a vested interest in your success
- Application Technology team with unparalleled industry expertise & problem-solving capability
- R&D group that specializes in the development of customized solutions
- Portable and fixed analytical labs that offer comprehensive testing and quick turnaround

Peace of Mind

Reliability of Production & Performance

- Increasing productivity through the reduction of cleaning and maintenance activities
- Increasing water quality with customized polymer solutions for warm & hot lime softening
- Reduction of diluent addition through superior demulsification performance
- Improved reliability and productivity through evaporator deposit control

ROI Solutions

Helping Our Customers Do More With Less


- Maximizing energy efficiency through improved heat transfer and control
- Safe engineered solutions to ensure asset and environment protection
- Extending asset life with effective programs that efficiently utilize water & energy resources
- Proven strategies for effective water and waste-water reuse

Continuous Innovation

Advanced Technology for Complex Systems

- Customized products designed for unique water and equipment needs
- Web-based water treatment communication and control for 24/7 system monitoring
- Eco-friendly, high performance cooling, boiler, and wastewater chemical technology
- Enterprise-level data management for measuring quality and conformance



An aerial photograph showing a cityscape in the background, a river winding through the middle ground, and a dense forest in the foreground. The city includes various buildings, a highway, and a large stadium-like structure. The river is surrounded by trees and some industrial or construction areas. The foreground is dominated by a thick forest of evergreen trees.

ChemTreat continues to exceed customer expectations because we have a simple strategy: provide superior service with a long-term view, use the most current technology, and employ the best people. We leverage this winning formula to take on the most difficult water treatment problems and succeed where others fail.

ChemTreat's Enhanced Offerings



Inlet Separation Technology (Demulsification)

- Rapid Phase Separation
- Diluent Reduction
- Improved Sales Oil Dehydration
- Oil in Water Reduction



Produced Water Treatment

- Produced Water Exchanger Fouling Control – Reduced Cleaning Frequency
- Improved De-oiling – Oil in Water Reduction
- Optimized IGF Operation – Reduced Downstream Oil Contamination
- Enhanced WLS/HLS Performance – Less Maintenance/Improved Reliability



Conventional Treatment

- Improved Warm Lime Softening/Hot Lime Softening Clarification
- OTSG Scale Control – Extended Period Between Cleaning Cycles
- Maximized OTSG Blowdown Recycle



Evaporator Treatment

- Optimization of Antifoam Programs with Low to No Silica Chemistry
- Evaporator Scale Control – Improved Heat Transfer and Decreased Cleaning Frequency
- Increased Solids Loading – Reduced Evaporator Wastage
- Optimization of Water Usage Through Recycle/Reuse and Reduction Strategies
- Control of Scale and Corrosion in Steam Boilers – Maximize On-stream Time

*Enhanced offerings are optional services.
They are not part of all treatment packages.*



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