

Eka Facts

Chlorine Dioxide Services

AkzoNobel is the worldwide sodium chlorate market leader and one of the leading suppliers of hydrogen peroxide to the pulp and paper industry. The combination of sodium chlorate, hydrogen peroxide and chlorine dioxide technologies makes AkzoNobel a unique supplier of bleaching chemistry to pulp bleaching plants.

For over 40 years, AkzoNobel Pulp and Performance Chemicals has been designing, building and operating chlorine dioxide systems for applications ranging from pulp bleaching to drinking water disinfection and iron & manganese reduction.

As the international leader in chlorine dioxide technology, AkzoNobel offers comprehensive services and high quality equipment for the large-scale production and application of chlorine dioxide for both vacuum and atmospheric customers.

We recognize the ever increasing pressures on pulp mill operations to control costs and do more with less. We all have a vested interest in chlorine dioxide as a vital component of bleached pulp production.

Our industry is dealing with aging plants and equipment that are approaching service lives of 30 years or more. To compound the challenge, the pool of experienced labor to operate and maintain existing facilities is shrinking. At AkzoNobel we continue to invest in chlorine dioxide expertise and remain committed to helping our customers remain globally competitive.

We are able to offer our customers world class chlorine dioxide production and application related services at the best possible value. These services include, but are not limited to:

Generator Support

- Remote or on-site troubleshooting
- Applied Kepner-Tregoe methods
- 24 - 7 availability

Optimization

- Chemistry, yield, chlorine dioxide capacity
- Remote monitoring
- Advanced process control

Enhancement

- Design, procurement & installation
- Plant & equipment maintenance
- Spare parts specification

Replacement Materials & Equipment

- Mechanical integrity
- Inspections & testing

Process Safety Management (PSM)

- Implementation
- Program review
- Re-certification

Site Customized Training

- Operator refresher training
- Safety training
- Procedures & documentation

Unloading, Storage and Handling

- Chlorate, chlorine dioxide, sulfuric acid,
- Methanol & hydrogen peroxide

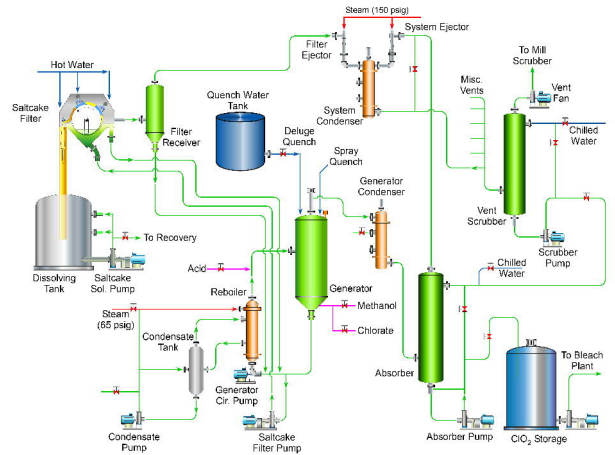
AkzoNobel delivers VALUE and offers flexible service programs and rates to meet all of your chlorine dioxide production and maintenance needs.

- DCS Control Assessments
- Interlock PSM Safety Reviews
- Customized Operator Training
- Instrument Specification
- Control Logic
- Piping & Mechanical Specification
- Supplier Recommendations & Qualification
- Advanced Process Control Consultation

Heat Exchanger Mechanical Reliability and Integrity Assessment Shell and Tube Side



Chlorine Dioxide Generator Process Flow Diagram



Reactor Inspection & Maintenance



Absorption Train Maintenance & Repair



Our chlorine dioxide services team has extensive experience in the design, erection, operation, and maintenance of safe and reliable chlorine dioxide production systems.

For more information please call or email an AkzoNobel chlorine dioxide specialist.

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Optimization – Maintenance – Training – Regulatory Compliance
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