

# 27,000 TPY CAUSTIC SODA PLANT FOR SALE

## Capacity

27,000 tons per year

## Technology

Forced Re-circulation Mono-Polar  
Membrane Technology

## Year built

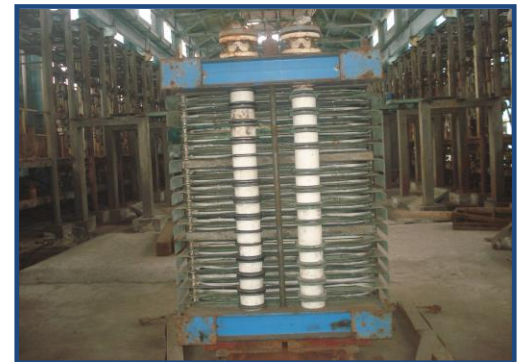
2001

## Year shut down

2013

## Major Equipment

Electrolyzer (16)  
Transformer (2)  
Salt water storage tank (1)  
Salt water pump  
Storage Tanks  
Reactors  
Generators  
Feed Pumps  
Filters  
Pressure Tanks  
and Much More



## BRIEF PLANT DESCRIPTION

The complete soda caustic plant uses forced recirculation mono-polar membrane technology. In addition to the core electrolysis process, brine preparation, chlorine gas recovery and anhydrous caustic soda production sections are available. The evaporation produces 50%, 72% and 98% liquid or flake products. Caustic Soda solutions are produced in congruency with Chlorine, electrolytically by two technologies: membrane cells and diaphragm cells. Both use NaCl as the primary raw material. The salt is electrolytically split using direct current electricity, resulting in Chlorine and a sodium ion that is reacted with water in the cell to make Caustic Soda and Hydrogen. The hydrogen by-product can be used as a fuel source, sold to hydrogen customers, or used to make high purity Hydrochloric Acid. A third process to make Caustic Soda solutions is a chemical conversion of trona ore. This process produces low quality Caustic Soda.

**CONTACT US FOR MORE DETAILS**

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