

## CHEMICAL PROCESSING INDUSTRY



**Project:** Caustic Line Replacement for Trains 1 and 2 Chlorine Production

**Products Provided:** MAXAR Piping 1" through 16"  
Gaskets  
Shear Collars  
Weld Kits  
PTFE Spacers

**Services Provided:** Pipe stress analysis, drafting services, installation supervision in the Middle East, Hydro Test, QC testing and reporting, logistic support and field service plastic welding

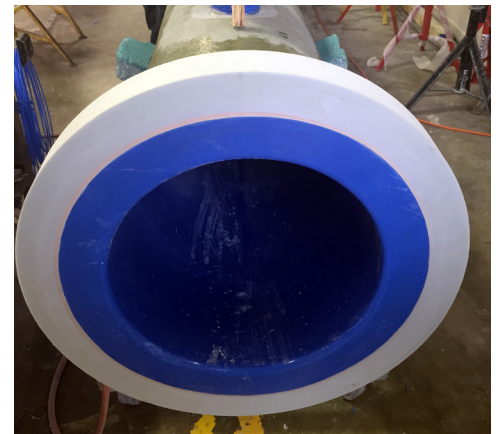
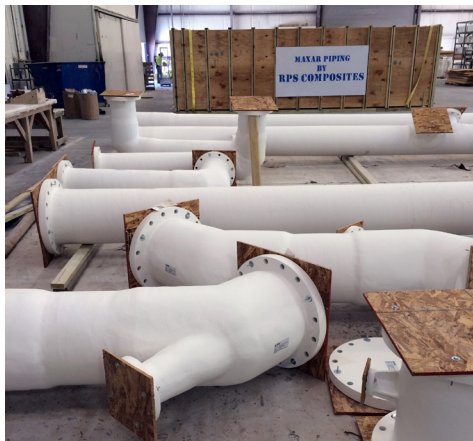
**Date:** 2013-2014

For over two years, RPS worked with this international customer to provide an alternative to using Carbon Steel pipe for a caustic line replacement. The RPS MAXAR piping system utilizing FRP piping with a seamless FEP liner is a superior material choice and will provide a much longer life span than their current equipment. The project consisted of over 3800 feet of pipe ranging from 1" through 16" that included everything from straight headers to complex spools.

During the process, RPS was able to provide the customer with a detailed pipe stress analysis and engineering support. The customer and General Contractor, consisting of Project Managers, QC Managers, and contractors, came to RPS to inspect fabrication and production to ensure the project would be a success. RPS provided the project field service support to supervise the installation of the product and to provide specialized plastic welding.

The challenges of logistics were met by arranging the product to be Air Freight to the Middle East to ensure on-time delivery prior to a fixed outage schedule. RPS built 12 crates containing over 150 parts and spools, and the crates were split into two shipments totaling ~100,000 pounds of product.

This customer is now using RPS products and services in three different facilities worldwide.



RPS makes it easier for our customers to realize the benefits of choosing composite piping and equipment. We provide our customers with smarter choices.

