

### Application

24 Ft. Dia. x 30 Ft. Shell Height – Large Diameter Shop Fabricated Field Erected Chlorine Dioxide (ClO<sub>2</sub>) Storage Tank, RTP\* construction, Insulated Wall Foam Core construction, RTP\* Safety Ladder & Top Rail system, 100,000 gal. capacity, Specific Gravity 1.2, Atmosphere Pressure Operating & Design, Wind Load 90 mph, Seismic per IBC 2003.

\*RTP: Reinforced Thermoplastic

### Problem

Replaced a failing carbon steel brick lined tank due to severe corrosion attack, client was experiencing costly maintenance repairs and shut downs.

### Solution

CoroTech's team designed, engineered, shop fabricated components, mobilized, and field erected this large diameter tank. Material of construction: DERA KANE® 470-300 composite laminate, 140 mil Corrosion liner -Type I Hand lay-up, Structural Laminate Type X & II , ASME RTP-1 Design Rules.

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### Results

ClO<sub>2</sub> Storage Tank was commissioned for service after final site hydro-test, service Life expectancy 25 plus years, this replacement tank design allowed for additional ClO<sub>2</sub> storage capacity.



### Problems, Solutions... Results.