

Qualified Property

This project will build a new 1.802 B lb/yr chlorine facility utilizing membrane cell technology. The facility will be located in Block B-800 at Freeport, Tx. Ops. Membrane Cell MET is defined based on Asahi ML60NCH high current density (HCD) cells. A membrane cell module/train is defined as a set of electrolyzers with single anolyte & catholyte circulation systems. Cl7 will consist of 2 trains with each train made up of 10 membrane electrolyzers.

The scope of this project includes the design of the ISBL portion of a membrane plant which includes brine purification, electrolyzers and circulation systems, Chlorine Cooling, Drying, and Compression, Hydrogen, anolyte dechlorination, anolyte treatment, Cl2 vent scrubber, 32% caustic evaporation, 50% caustic storage, anhydrous HCL headers, Stratton Ridge anolyte systems and utilities .