

Chlorine 1 History

Chlorine 1 plant was among the first of the plants to be started up in the Louisiana division sometime in 1959. The original plant had a four (4) rectifier/circuit operation with M-42 vintage cells and a 10 KA/rectifier capacity.

The 1960's

During the decade of the 1960's numerous changes occurred

- M-42 cells were replaced with M-61 cells
- A 5th rectifier and circuit of M-80 cells was added
- Existing PD Cl₂ compressors were replaced with centrifugal compressors
- Installed a low pressure liquifaction system - added HCBD tailgas system
- R22 refrigerant was replaced with R12
- Ferric chloride system installed to supply this compound to water treating
- Added 6th and 7th rectifiers and cell circuits
- Installed a new brine clarifier

The 1970's

- Replaced existing drying trains and increased brine capacity
- Replaced all cells and peripheral equipment
- Installed new pressurized sulfuric trains
- Installed high stage dry Cl₂ booster compressors
- New purification and liquefaction trains installed and started up
- 500 and 600 R12 refrigeration units installed
- T-54 and T-56 storage spheres installed

The 1980's

- Hydrogen collection trains built and started up
- New brine system installed

The 1990's

- New Cl₂ superscrubbers installed
- New Fuji rectifier replaced existing Rectifier #1.