

600 TPD AMMONIA PLANT FOR SALE

Capacity: 600 TPD

Year Started: 1967

Year Shut Down: 2011

Many upgrades in the past years

Feedstock: Naphtha
(can be converted to natural gas)

Technology: Mitsubishi Chemical
(Japan)

Engineering: Toyo (Japan)

Product Specifications:

- Ammonia (%) 99.5 min.
- Moisture (%) 0.5 max.
- Oil (ppm) 5.0 max.

Major Equipment:

- 1st and 2nd Reformers
- CO₂ Absorber
- Ammonia Absorber
- 1st Shift Converter
- Synthesis Converter
- Reactor
- Separators



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BRIEF PROCESS DESCRIPTION

In the primary reformer, feed gas is mixed with steam, preheated by exchange with high temperature shift effluent, and then further heated in the reformer convection section. The effluent from the primary reformer and process air are mixed in the top of the secondary reformer. Conversion of the CO to CO₂ in the reformed gas stream is achieved catalytically in ammonia converter. The synthesis stream leaving the shift converter contains carbon dioxide on a dry gas basis. It is necessary to remove all carbon dioxide from the synthesis gas before entering the ammonia synthesis loop.

CONTACT US FOR MORE DETAILS