

COURTRIGHT CO₂ PLANT AND LSC FSMS FOR BULK LIQUID CO₂
D) Courtright Equipment Scheme

The raw carbon dioxide is produced by catalytic reforming of natural gas. It contains low concentrations of sulfur compounds and high levels of heavy hydrocarbons.

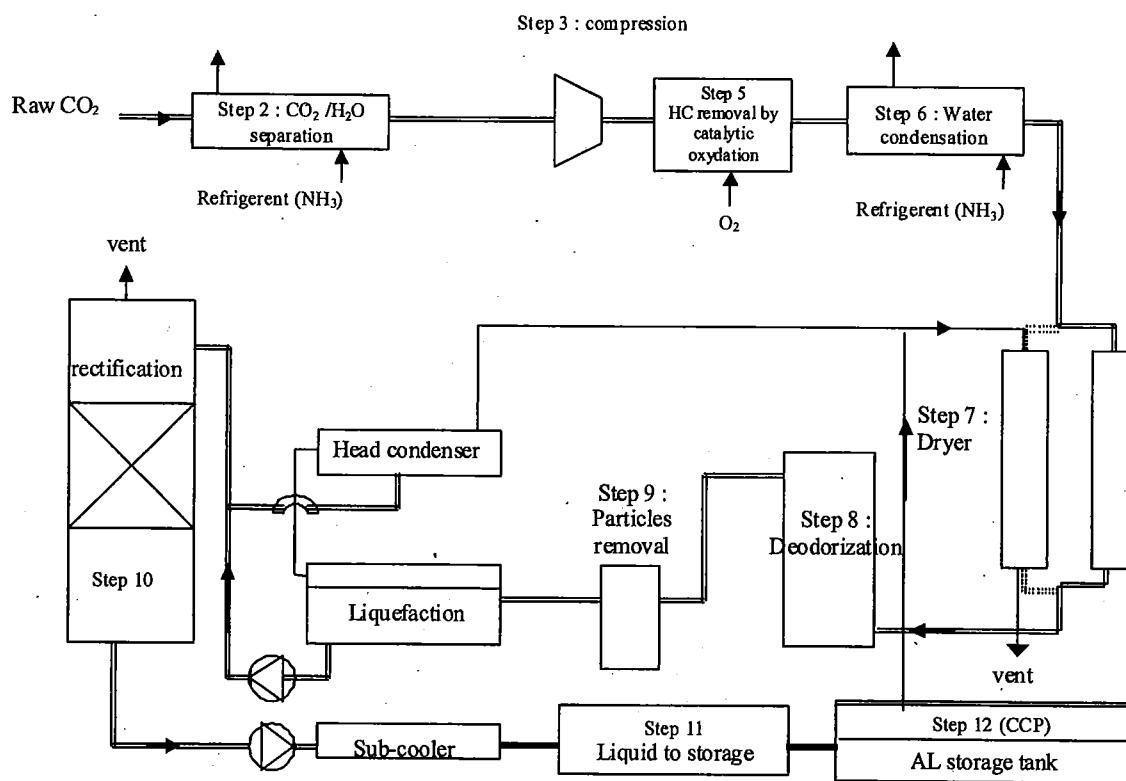
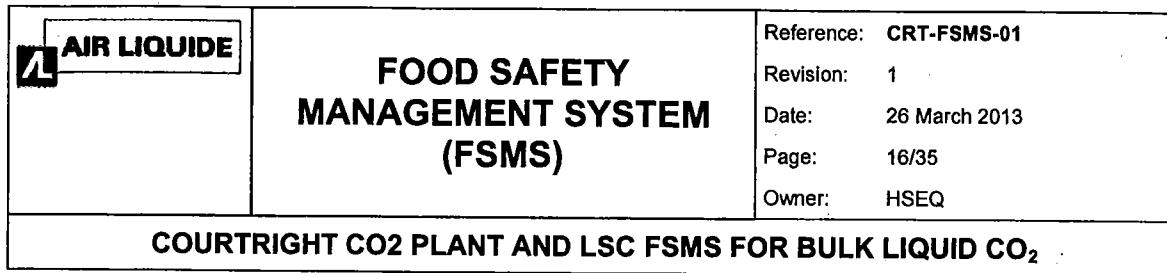


Figure 5: Equipment scheme for purification and liquefaction of raw CO₂ from catalytic reforming of natural gas.

6.3.5.2 CO₂ Liquid Carbon Dioxide Distribution Process

Transportation between LCO₂ production plants and storage tanks at customers' sites is accomplished by transport tank. Procedures for loading and unloading any transport tank are similar enough to be described all together.

The CO₂ storage tank at the customer site may deliver liquid CO₂ or gaseous CO₂ after vaporization.



B) Courtright Process Flow Diagram

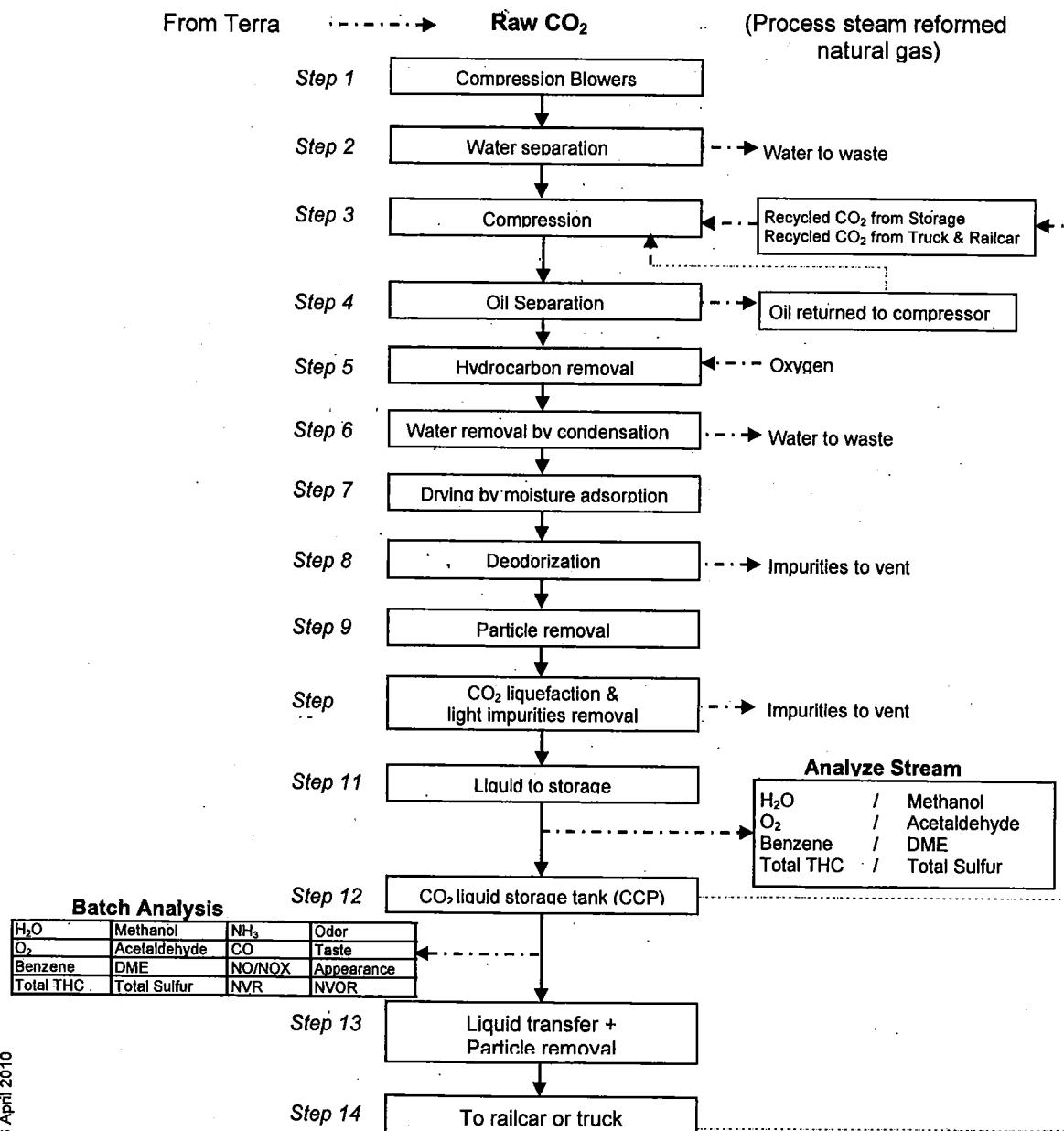


Figure 4: Flow chart of raw CO₂ purification and liquefaction at Courtright