

# **The Effect of Tube Replacement on The Operation of Primary Reformer in Ammonia Plant**

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## **Abstract**

The primary reformer in Ammonia Plant is basically a furnace containing burners and tubes packed with supported nickel catalyst. The reformer operating parameters has an important influence on reduction of energy consumptions and increasing the reactor performance.

In this paper, the effect of tube replacement on the operation of primary reformer is investigated. Furthermore, the heat balance in the radiation and convection sections of primary reformer are studied using Aspen Plus software.

## **Keywords**

tube replacement, primary reformer, ammonia plant, radiant and convection section, aspen plus simulation

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## **Biography**

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