

Higher heat recovery from a delayed coking unit

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Abstract The technical and economical aspects of heat recovery from a delayed coking unit having A-type distillation column (two lateral refluxes) is presented. Maximum heat recovery was considered by preheating raw material, by heating water from 25 °C to the equilibrium boiling temperature and by saturated steam generation. The heat exchanger network was established by using pinch technology. Finally, the benefit realized by this heat recovery was estimated.

Keywords: : heat recovery, heat exchange, pinch technology, delayed coking
