

عنوان مقاله:

Amine gas sweetening system problems arising from amine replacement and solutions to improve system performance

محل انتشار:

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خلاصه مقاله:

This paper includes the significant on -site experience of the authors related to problems faced in amine systems with fresh amine and their possible solutions in the phases #2&3 of south pars gas complex . The amine system was designed as a closed circuit system with the primary objective of removing H₂S, CO₂, and other acidic components from gaseous hydrocarbon streams. amine plant operational problems such as excessive foaming , intense corrosion and capacity reduction are observed in gas sweetening unit. heat stable salts accumulations were found to be one of the main reasons for corrosions. since there is not any facility to purify MDEA here in phase #2&3, so it was decided for replacing old MDEA solution with fresh MDEA. but there are some problems that many plants have experienced after amine replacing or construction. in this paper practical strategies with experimental data were proposed for combating these problems

کلمات کلیدی:

.amine replacement , HSS,MDEA,corrosion , degradation, regeneration

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