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Evaluating the Operating Conditions of a Rectifier Column Using Gamma Column Scanning

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This paper reports the gamma scanning carried out to a rectifier column in one of the refineries in the Philippines. Several scans were performed to gather information on the operating conditions of the column at different sets of operating parameters using a 10-mCi Co-60 source and a 2-inch detector tandem. Result of each scan reveals the presence of blockage at several sections of the column. These blockages cause flooding inside the column when process settings were changed as reflected in the profiles of several scans. Gamma column scanning was able to specify the presence and location of blockages and their effect to the operating condition of the column at varying process parameter settings.

Country/Organization invited to participate

Philippines

Primary author: Mr AQUINO, Denis (Philippine Nuclear Research Institute, Philippines)

Co-author: Ms MALLILLIN, Janice (Philippine Nuclear Research Institute, Philippines)

Presenter: Mr AQUINO, Denis (Philippine Nuclear Research Institute, Philippines)

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