

عنوان مقاله:

Effect of filter cloth on reducing waste water of rotary vacuum drum filter of Gol-E-Gohar Complex

محل انتشار:

همایش ملی مصرف بهینه آب در صنعت چالشها و راهکارها (سال: 1394)

تعداد صفحات اصل مقاله: 8

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خلاصه مقاله:

The final concentrate of Gol-E-Gohar hematite recovery plant after thickeners, is moved to vacuum drum filter. D80 of filter feed is 89 microns and the average cake moisture is 10.5%. In this study to do experiments, bottom feed vacuum filtration applied to choose the optimize filter cloth. Using polypropylene filter cloth with twill weave fabric lead to decrease moisture about 1% while throughput is good. Also filtrate turbid decreased about 9000 unit (NTU) that is important in environmental view.

کلمات کلیدی:

Filtration, filter cloth, throughput, turbid, filter cake

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