

عنوان مقاله:

METHODS FOR REDUCING ENVIRONMENTAL IMPACTS OF GAS FLARING

محل انتشار:

نهمین کنفرانس بین المللی نفت گاز پالایش و پتروشیمی با رویکرد توسعه ارتباط بین دولت دانشگاه و صنعت (سال: 1398)

تعداد صفحات اصل مقاله: 8

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خلاصه مقاله:

Flare is a device for burning gas in industrial units. In fact, the Flare converts flammable, toxic and corrosive gases into less harmful compounds. Flares are classified into four categories in terms of mixing: Steam Assisted - Air Assisted - Pressure Assisted - Non Assisted. In cases where we are technically and economically inefficient to use flare, we must reduce the harmful effects of greenhouse gas emissions by increasing the efficiency of burning flare and converting volatile organic materials (including methane gas) into carbon dioxide. Factors affecting the burning efficiency of flares: 1. the amount of steam or air injected as a mixing agent, 2. Wind speed, 3. rim diameter flare, 4. keep the flame of the gas using auxiliary fuel to raise the combustibility

کلمات کلیدی:

Flare, burning gas, burning efficiency, combustibility

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