

Accepted Manuscript

A Process Design Approach to Manage the Uncertainty of Industrial Flaring during Abnormal Operations

Monzure-Khoda Kazi , Fadwa Eljack , Mohammad Amanullah ,
Ahmed AINouss , Vasiliki Kazantzi

PII: S0098-1354(18)30204-7
DOI: [10.1016/j.compchemeng.2018.06.011](https://doi.org/10.1016/j.compchemeng.2018.06.011)
Reference: CACE 6137



To appear in: *Computers and Chemical Engineering*

Received date: 20 March 2018
Revised date: 5 May 2018
Accepted date: 16 June 2018

Please cite this article as: Monzure-Khoda Kazi , Fadwa Eljack , Mohammad Amanullah , Ahmed AINouss , Vasiliki Kazantzi , A Process Design Approach to Manage the Uncertainty of Industrial Flaring during Abnormal Operations, *Computers and Chemical Engineering* (2018), doi: [10.1016/j.compchemeng.2018.06.011](https://doi.org/10.1016/j.compchemeng.2018.06.011)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- Addresses the uncertainties of industrial flare management during ASM
- An integrated multi-period optimization and Monte Carlo simulation approach
- Illustrates flare management using ethylene process and cogeneration unit
- Highlights trade-offs between different techno-economic and environmental aspects
- Presents sensitivity analysis for the variation of the flaring uncertainty

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/6594671>

Download Persian Version:

<https://daneshyari.com/article/6594671>

[Daneshyari.com](https://daneshyari.com)