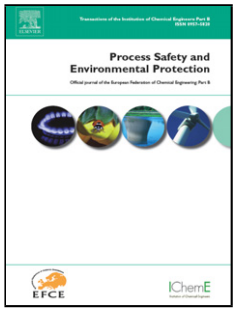

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PII: S0957-5820(18)30729-8
DOI: https://doi.org/10.1016/j.psep.2018.08.028
Reference: PSEP 1498

To appear in: *Process Safety and Environment Protection*

Received date: 7-9-2017
Revised date: 23-7-2018
Accepted date: 23-8-2018

Please cite this article as: de Lira-Flores JA, Gutiérrez-Antonio C, Vázquez-Román R, A MILP approach for Optimal Storage Vessels Layout based on the Quantitative Risk Analysis Methodology, *Process Safety and Environmental Protection* (2018), https://doi.org/10.1016/j.psep.2018.08.028

A MILP approach for Optimal Storage Vessels Layout based on the Quantitative Risk Analysis Methodology

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Highlights

- A MILP approach to find an optimal layout for storage vessels.
- Minimization of the probability of damage and domino effect due to fire and explosion scenarios.
- Quantitative risk analysis applied to storage vessels layout.
- The approach has been successfully applied to a chemical processes plant, and it could be used to solve real-world problems.