

عنوان مقاله:

Consequence modeling and analysis of hazardous material dispersion by PHAST-A case study in South Pars Gas Field Development-Phase 13

محل انتشار:

سومین کنفرانس نوآوری های اخیر در مهندسی صنایع و مهندسی مکانیک (سال: 1395)

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خلاصه مقاله:

Risk assessment is the determination of quantitative or qualitative value of risk related to a concrete situation and a recognized threat. The aim of the risk assessment process is to remove a hazard or reduce the level of its risk by adding precautions or control measures, as necessary. By doing so, we have created a safer and healthier workplace. Quantitative risk assessment (QRA) software and methodologies give quantitative estimates of risks, given the parameters defining them. PHAST is one of this software that offers a simple and flexible process for analyzing process industry hazards. In this work, a case study about reflux drum containing Carbon dioxide, methane, ethane, propane was studied in scenario BELEVE consequence. The result shows that the risk of explosion is more than the others and thus a priority should be given for emergency of explosion case.

کلمات کلیدی:

Consequence Modeling, Risk, Fire Zone, Explosion

لینک ثابت مقاله در پایگاه سیویلیکا:

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