

## عنوان مقاله:

Analyzing the Consequences of Mixture Release in the South Pars Gas Field Development in Iran-A Case Study

## محل انتشار:

هشتمین همایش ملی و نمایشگاه تخصصی مهندسی محیط زیست (سال: 1395)

تعداد صفحات اصل مقاله: 12

## نویسندگان:

nader nabhani - Ass.Professor of Petroleum University of Technology, Abadan, Iran

seyyed ali hashemi nejad

## خلاصه مقاله:

Consequence modeling refers to the calculation or estimation of numerical values (or graphical representations of these) that describe the credible physical outcomes of loss of containment scenarios involving flammable, explosive and toxic materials with respect to their potential impact on people, assets, or safety functions. The main commercial general purpose consequence modeling packages are: CANARY from Quest, EFFECTS from TNO, PHAST from DNV and TRACE from Safer Systems and There are some models to analyze the dispersion of release toxic and flammable material like PHAST, ALOHA, SLAB , DEGADIS and HGSYSTEM .In this article, consequences and conditions of 42 export gas line leakage (contains: nitrogen, carbon dioxide, methane, ethane, propane) from Gas Export Compression Unit which is in South Pars Gas Field Development (Phase 15&16) is investigated by using PHAST software version 6.53.1. The results show that within the region 28.95 m distance from the source should not install any vessel or equipment because in case of accident all equipment will be destroyed

## کلمات کلیدی:

Consequence analysis, PHAST Software, Leakage

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/529394>

