

[1]唐彦东,于汐,刘春平,等.天然气管道地震风险综合评估基本思路与框架[J].自然灾害学报,2009,03:135-138.

TANG Yan-dong,YU Xi,LIU Chun-ping,et al.Basic thinking and framework for earthquake risk integrated assessment of natural gas pipeline[J].,2009,03:135-138.

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天然气管道地震风险综合评估基本思路与框架

《自然灾害学报》[ISSN:/CN:23-1324/X] 期数: 2009年03期 页码: 135-138 栏目: 出版日期: 1900-01-01

Title: Basic thinking and framework for earthquake risk integrated assessment of natural gas pipeline

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关键词: 管道; 地震灾害风险; 综合评估

Keywords: pipe line; earthquake disaster risk; integrated assessment

分类号: P467

DOI: -

文献标识码: -

摘要: 天然气管道地震风险综合评估是生命线工程重要的研究内容。基于地震危险性分析和管道工程易损性(脆弱性)等工程研究成果基础上,从社会、经济、资源与环境等多角度建立了天然气管道地震风险综合评估的基本思路和整体框架;指出随着地震工程科学和技术的发展,管道地震风险综合评估研究需要不断提高和完善。

Abstract: Earthquake risk integrated assessment of natural gas pipeline is a fundamental work of lifeline engineering. Based on the research findings about earthquake hazard and vulnerability of pipeline engineering, this paper establishes the basic thinking and framework for earthquake risk integrated assessment of natural gas pipeline from point of view of society, economics, resources and environment etc. It is pointed out that with development of seismic engineering science and technology, the theory and method of earthquake risk integrated assessment for pipeline need to update and perfect furthermore.

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