

عنوان مقاله:

Petroleum storage management using multi-criteria decision making approach

محل انتشار:

اولین کنفرانس بین المللی نفت، گاز، پتروشیمی و نیروگاهی (سال: 1391)

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خلاصه مقاله:

Selecting an appropriate site to construct petroleum storage is a significant decision in petroleum industry. Decision making on this issue depends on various quantitative and qualitative criteria which are in conflict with each other in some cases. Therefore, multi-criteria decision making (MCDM) methods could be used to solve this problem. In this study, the influential criteria for selecting an appropriate site including: Feeding, Distribution, Safety, Environmental, Geotechnical properties, tectonic properties, access to water and Cost, were considered and with collecting the expert opinions, the weight of each criterion was determined. Then, the areas surrounding Iran's Mahdasht city were studied, and four potential sites were proposed. After that, these sites were studied using analytic hierarchy process (AHP) method, and finally, the most optimal site was selected.

کلمات کلیدی:

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