

Environmental Risk Assessment of Hazardous Materials

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Abstract

Hazardous material characteristics have been examined and oil characteristics have been discussed as a sub-categorisation of hazardous materials. Major inputs and removal processes of petroleum in marine environment, followed by history of oil spills and oil combating, have been given. The environmental risk assessment of hazardous materials has been defined and a model determining maximum disaster potential (DP) and the risk assessment rate (RAR) has been introduced. DP and RAR have been calculated as 1462 people and %82.6 respectively. The results have been placed in a scale evaluating the risks on the ecosystem.