عنوان مقاله:

ENVIRONMENTAL POLLUTION IN CONSTRUCTION SITES: THE CASE STUDY OF CONCRETE ELEMENT MANUFACTRING SITE IN IRAN

محل انتشار:

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خلاصه مقاله:

In this study, environmental pollution of a construction site in Iran was considered and the role of each major activity in air, soil and water pollution has been discussed. The environmental pollution generating by construction industry have been concerned significantly all over the world. Construction sites especially the ones which involve in producing concrete elements deal with the pollution issues in their air, soil and water environment. This paper investigates the polluting contribution of each activity in air, soil and water pollution using an emission importance factor analysis carried out with measured data of a busy week of summer. In order to evaluate the pollution of whole environment, two pollutants with highest pollution index were designated. Then the weighted values of polluting contribution were calculated for activities and pollution components. The results indicated that the presence of cement affected all of three environments directly or indirectly. Also, the role of cement in sourcing dust pollution throughout site's activities was highlighted. In addition to the results of this study, the approach for evaluating environmental performance of activities could be useful for those who attempt to understand the main sourced of environmental pollution in .construction sites

کلمات کلیدی: