

عنوان مقاله:

HEALTH AND SAFETY RISK ASSESSMENT OF BEHSHAHR'S COMPOST STUFF BY WILLIAM FINE METHOD

محل انتشار:

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خلاصه مقاله:

Compost production process in the compost factory of Behshahr, Mazandaran Province, is accompanied with different hazards in terms of safety, health and environment due to nature and activities. As a result, there is the possibility of harm to humans, in the event of an accident. In this research William fine, FMEA method was used to evaluate health and safety risks of Behshahr's compost plant. In these models, aspects recognition and ranking are based on objective observation sand the previous experiences o f accidents. Therefore, ۱۱۱ aspects were studied and ۷۸ of them were identified and assessed with the risk priority number higher than degree of risk-taking and were divided to three levels of very high and high (%۱۴), moderate (%۸۴) and normal levels (۲۲۴) and were analyzed and considered critical issues which corrective or control actions were defined for them. The results showed that the highest risk number which was higher than %۷۴ was related to the risk of infectious and skin diseases, dealing with sharp objects, injuries to workers who are working around the loader, electrician and line welder and workers in processing hall as a results of separating large objects (feeder) and separating mixed objects, line wastage transmission and Cleaning workers. The results show that the plant has risks higher than degree of frisk-taking .Although it has health and safety system control, but because of the performance of devices and machineries and workers' close contact with high-risk machineries, corrective actions and stronger controls are necessary to improve the environmental health of the region

کلمات کلیدی:

Risk assessment, Health and safety, composting plant, William fine method, Behshahr

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