

عنوان مقاله:

Application of EFD for Health, Safety and Environment (HSE) Sections

محل انتشار:

دومین کنفرانس ملی بهداشت، ایمنی و محیط زیست (HSE) (سال: 1391)

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خلاصه مقاله:

Nowadays study of the industrial pollutions has become a controversial issue to reduce the risks of them in all of the world. Studding of air, water, and soil pollutions as separately may cause neglect from address to a comprehensive look in industrial pollution issue. In addition, without the exact information about quantity and quality of pollution sources, reduce or eliminate industrial pollutions are not possible. Environmental flowdiagram (EFD) is made based on energy reference system (RES) and process flow diagram (PFD) for each industrial company or unit. In this paper, by coding in visual basic program environment, EFD designed for determining sources of pollutants, division sources of pollutants flows based on acceptor environment, and explaining impact of solutions to the energy optimization and reduce environmental pollutants. EFD is an user friendly software that can be used in all of the industrial companies particularly in Health, Safety and Environment (HSE) sections of operational units for detailed knowledge of pollution level of the area.

کلمات کلیدی:

Air pollution, environmental flow diagram, reference energy system, soil pollution, water pollution

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