

ABSTRACT

A work in a confined space has a danger of the healthy and the safety of the labor. The confined space contains of some dangerous sources of the chemical danger, physical danger, or mechanical danger. In this research, the writer identified the danger itself, the risk assesment, and controlling the danger of cleaning the vessel crude DOP storage tank process in PT. Petronika Gresik company.

In this research, the writer uses observational descriptive method by using cross sectional approach. The primary data are collected by observing and interviewing, and the secondary data is collected from the company. The object of this research is the work of cleaning the vessel crude DOP storage tank in PT. Petronika Gresik company. The informations are collected from two safety officers and two storage tank cleaning officers. Then the data which have collected by the writer are described and compared with the standard and the present theory.

The result of the research shows the chemical danger is formed of octanol steam, the physical danger is formed of wet floor and it can make someone falls from the high floor, the mechanical danger comes from the equipment which can make pinched and crushed the other equipment. The result of the risk assesment shows there is only one step with the high risk level, there is no step with the medium risk level, and there are six steps with the low risk level. The controlling efforts which has done by the writer are technical control, administrative, and procuring personal protective equipment (APD).

The company is suggested that they have to improve the controlling efforts by giving the training activity to the storage tank cleaning officers, completing the items of the safety permit form as good as the standard, listing the APD equipment to the safety permit in accordance to the what they need, and giving training activity for increasing the awareness of the important thing to use APD equipment.

Keywords : Risk Assessment, Crude DOP Storage Tank