

IDENTIFICATION OF GAS HAZARDS IN A INDUSTRIAL COMPANY WITH USING CHAIN OF EVENTS ANALYZES

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Abstract: The purpose of this article is to present the process of hazard identification as a sequence of events that leads to an accident and / or material loss at the workplace. An event chain can be described as an ordered set of circumstances conducive to the emergence of a threat. The article presents an analysis of the use of elements of the event theory to identify hazards in a chemical plant on the example of a gas explosion event. An analysis of the circumstances surrounding the emergence of a gas explosion hazard by identifying the causes of direct and indirect events and the main conditions leading to the event is also presented. Also identified are events that are responsible for initiating a gas explosion hazard.

Keywords: chain of events, sequences of events, gas hazards, security deficits.