Development of A Safety Culture Assessment Tool for Chemical Industry

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Abstract

This study presents the results of a Process Safety Management (PSM) climate assessment tool developed in chemical plants in Korea. We reviewed the current techniques and literatures available to assess safety climate and culture, conducted focus group interviews and discussions. Based on the reviews and focus group, PSM climate assessment questionnaires and an online application program were developed. A pilot assessment was done at a chemical plant in Korea and the safety climate profile was completed. It was suggested to have a constant feedback from different sectors of industry to improve the application.

Key Words: Safety Culture, Safety Climate, Safety Management