

Importance of Organizational Safety Climate of Natural Gas Companies on
Work Safety

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Abstract

Zero disaster in work safety is the operating target of natural gas companies, as the casualties caused by work safety accidents would heavily damage the companies. This study conducted a literature review and a survey to investigate the importance of organizational safety climate of the natural gas industry to the work safety. Ten senior managers of listed and over-the-counter (OTC) natural gas companies were surveyed by questionnaire. The DEMATEL (Decision Making Trial and Evaluation Laboratory) method was used to analyze the direct and indirect relationships between indexes, the cause-effect relationship was defined clearly. Based on the opinions of the managers, as well as the ten indexes of work safety and organizational safety climate, this study concluded that the indexes of great importance are safety supervision, risk perception, and colleague safety.

Keyword : natural gas company; organizational safety climate; work safety