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EVALUATION OF COMPLIANCE WITH NR-20 IN A FUEL DISTRIBUTOR IN MANAUS/AM

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RESUMO

Aiming at greater control in the process of managing activities involving flammable and combustible products, especially with regard to health and safety at work, the Ministry of Labor and Employment (MTE) standardized through Regulatory Standard 20 (NR-20). Thus, it is necessary to study the compliance with the application of NR-20 in companies of liquid bulk derived from petroleum (fuels) to guarantee the correct compliance with the legislation, as well as to guarantee the conditions of safety, health and environment. This case study was carried out at a Fuel Distributor located in the city of Manaus-AM, whose storage exceeds 75.000 m³ of flammable fuel. The National Agency of Petroleum, Natural Gas and Biofuels (ANP) characterizes the company under study within the activity of distribution of liquid fuels that is of public utility and includes acquisition, storage, mixing, transportation, commercialization and quality control of liquid fuels, according to ANP resolution n° 58/2014. According to NR-20, the company under study is engaged in the storage, transfer, handling and handling of flammable and combustible liquids. It is also classified as Class III Installations, taking into account the stored volume, as it has storage capacity above 50.000 m³. The requirements of the NR-20 were raised and a check-list with items of the standard was carried out and the company's compliance with the requirements of constructive conditions, maintenance, operation, occupational health and safety and compliance with the current legislation was verified. During the checklist elaboration stage, questions were asked, relating the item of the standard, in order to evaluate them with two simple answers: item conforming (C) or not conforming (NC). With the application and evaluation of the NR-20 check-list in the company, it was observed that of the 77 items identified, 73 are compliant (C) and 4 are Non-Conforming (NC). Analyzing the requirements identified as non-compliant during the check-list application stage, it was possible to classify them in 2 generic categories: procedure and training. Thus, it was concluded that of the 77 requirements identified, the company under study presented 95% Compliance. This demonstrates a good health and safety management system. With the development of this case study, it was possible to identify the NR-20 requirements applicable to the company under study and to elaborate a checklist that helps, not only the local company, but also enables other branches and even other companies operating in the same market segment, an assessment to verify compliance with the legislation used in this study.

PALAVRAS-CHAVE: combustible, flammable, NR-20.

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