Triggered activities with the waste generated in steel production: a study from the ergonomics standpoint

Yazigi, S.*; Yazigi, R.; Porfiro, F.; Oliveira, R.

*FIEMG- Federação das Indústrias do Estado de Minas Gerais
Ergonomia/SST/GES- Segurança e Saúde no Trabalho / Gerência Executiva de Saúde
Av. do Contorno 4456-9ºandar- Funcionários – Belo Horizonte/MG- Brasil. CEP30110-028.

Abstract:

The tract of waste in industrial production creates a part sector of the production process, in which activities are developed with ergonomic risk varied, either in treatment, transportation or disposal of material generated.

Through the methodology of Ergonomic Work Analysis, questions were raised about the influence of the waste generated in the production of steel and its implications at work.

Thus, it can be said the determinants of ergonomic risk in a work activity are related to various aspects of the production process, physical features of the industry, the layout of the work area, the types of tools used and work organization. These elements may influence the operative mode adopted by a worker.

Understanding the variability of activity may allow taking corrective actions or design in the workplace, providing better interaction with humans, reduced physical and cognitive overloads which directly influence with worker productivity.

Therefore, the study highlights the determinants of ergonomic risks, recommending improvements in the work process that are related to adaptation in the production process.

Key Words: Ergonomics, Ergonomic Risk, steel production, Waste, Productivity, Ergonomic Work Analysis.
References


