



INTERNATIONAL WORKSHOP ADVANCES IN CLEANER PRODUCTION

"KEY ELEMENTS FOR A SUSTAINABLE WORLD: ENERGY, WATER AND CLIMATE CHANGE"

Proposal to the Residues Reduction in the Process of the Plasma Cutting of a Manufacturer of Building Systems

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Abstract

The paper aims to develop a proposal for a reduction in the residues volume in the process of the plasma cutting in a manufacturer of building systems. For this, specific studies on the cleaner production and residues reduction supported a better understanding of these concepts and on the environment in the company serving as a theoretical basis for practical application in the development of specific objectives from the main objective, that is to reduce the volume of residues from the process of the plasma cutting, mainly from scrap metal derived from this process. Thus, the specific objectives have been met regarding the proposal, but the effectiveness of the result can only be measured after the actions implementation to continue getting future due to demand of time for implementation. However, it is clear that to have sustainable development as a guarantee of competitiveness, the company should focus its strategies in prevention and correction actions of problems rather than only attack their effects.

Keywords: cleaner production, residues, reduction of residues.
