



## INTERNATIONAL WORKSHOP ADVANCES IN CLEANER PRODUCTION

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

### Case Study for Recovering of Landfill Landscape of Toledo-PR

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#### Abstract

The work was to propose guidelines for the recovery of landfill landscape of Toledo - PR. The development of a technology coverage aimed specifically end the establishment of a vegetation, initially was based on an established diagnosis of physical and chemical characteristics of soil used in the final layers of coverage. We collected samples of soil in the depth of 0-20 cm, which were established some parameters such as pH, Saturation of bases, cation exchange capacity, macro and micro nutrients. The spontaneous flora of the area studied is composed of species that escaped from cultivation; from the remnants of species in natural surroundings. In this study may notice that there were no significant differences in relation to the relevant witness, therefore, the results allowed the suggestion of studies and definitions of species that can be used revegetated in the cell and closed the surroundings of the landfill in the municipality of Toledo-PR. The determination of the chemical analysis of soil from landfill showed great concentration of organic matter, derived from waste, can avail of nutrients already deposited in the soil, however, requiring small levels of application of fertilizer and lime to promote better development and resistance of the species recommended.

*Keywords: Sanitary embankment, degraded Area, revegetation, Slope.*

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