



10th INTERNATIONAL WORKSHOP ADVANCES IN CLEANER PRODUCTION

“TEN YEARS WORKING TOGETHER FOR A SUSTAINABLE FUTURE”

Sustainable alternatives for urban water supply in sanitation companies

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Abstract

The aim of this work was to investigate the sustainable practices of urban water supply by the Supply Companies in the Paraná and Santa Catarina states and to verify if these supply companies do the monitoring of these practices by performance indicators, which express the dimensions of the *triple bottom line*. For the initial analysis, a literature review was carried out on sustainable management of water resources and water footprint concepts, sustainable supply alternatives and indicators of sustainable performance. The research is characterized regarding its nature as applied, regarding its objectives as exploratory / descriptive feature, the technique used was a case study and data collection was made on the Supply Companies and on the website of the National Information System on Sanitation. It was verified whether the practices focused at sustainability that the companies practice are inserted in the *triple bottom line* and reach the economic, social and environmental levels. The indicator model used, as reference in this study was the Sabesp's Indicators Panel, being addressed the operational, environmental, economic and social indicators. It was verified that losses in the production process and distribution are critical factors for the sustainability of these Companies, presenting high percentages when compared to the percentage of Sabesp's losses.

Keywords: *Sustainability, water supply, indicators.*