

## **HYDROGEOLOGICAL DIAGNOSIS OF THE SANTO ANDRÉ COUNTY / SP - INDUSTRY AND ENVIRONMENT**

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This work studies the industrial development and its relationship with industrial and environmental aspects, with emphasis on the underground water resources. The study area occupies an extension of approximately 30 km<sup>2</sup>, defined by the basin of the river Tamanduateí, in the municipal Santo André County. Which is an area of great industrial density. The industries of this region, for its intrinsic characteristics, generate impacts on the environment, because of the production of wastes I / II classes and liquid residues. Verified through interviews and observations in locu, it was, as alternative adopted in 80% of the visited companies, the valorisation of the residue, in 10% are sent to cement furnaces and incinerators, and in about 50%, the internal use of the generated wastes. It is shown that 40% of the industries discard, in an inadequate way, its wastes. Observations accomplished in areas along the margins of the main drainages and of some vacant lands, allowed to verify that it discards about 10 thousand m<sup>3</sup> of waste, of which: 57% are dejections of civil construction; 20% domestic waste; 10% residues of shops; 8% industrial wastes ;4% tires; and 1% others. This picture illustrates a negative condition to the environment and public health, motivated by the connivance of the public authorities and because of the lack of education and conscience of the society of the consumers. In the Santo André county the establishment of the political priorities of protection of the environment becomes, and is of an effective control of the secret activities of the waste. There are gaps in the legislation which facilitate harmful practices.