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*Full papers*

**MODELLING OF WASTEWATER TREATMENT OF A  
PULP AND PAPER MILL FOR MONITORING**

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**Abstract**

The purpose of this work is to contribute, through better supervision, to improve the efficiency of a specific wastewater biological treatment plant of the Matussière and Forest Group. This paper presents the design of a dynamical model of the aeration tank, which allows to anticipate treatment difficulties. Given the great complexity of the process, an urban model established by the European action COST 624 has been adapted to the industrial treatment station. The simulation results, compared with measurements taken directly on the industrial site demonstrate that this approach is available.

*Keywords:* pulp and paper mill, wastewater treatment, activated sludge process, modeling, effluent characterization, monitoring

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