



**ENVIRONMENTAL CONSEQUENCES OF PULP AND
PAPER MANUFACTURE
I. BLEACHED KRAFT PULP MILLS**

Dan Gavrilescu

*Technical University of Iasi, Department of Pulp, Faculty of Chemical Engineering, Paper and
Fibers, 71 A, D. Mangeron Blvd., 700050 Iasi, Romania, e-mail: gda@ch.tuiasi.ro*

Abstract

The pulp and paper mills represent a major source of polluting materials which are very different regarding their characteristics and quantities. The most significant environmental impacts of the pulp and paper manufacture result from the pulping and bleaching processes: some pollutants are emitted to the air, others are discharged to the wastewaters, and solid wastes are generated as well. The paper aims to present the environmental impact of the bleached kraft pulp mill. The contribution of each manufacturing stage in the generation of different pollutants is discussed. A special attention is focused on the pulp bleaching as the most pollution process of the chemical pulp manufacturing.

Keywords: kraft pulping, pulp bleaching, environment, wastewaters, air emissions, liquid discharges, solid wastes
