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IMPROVING THE CELLULOSIC SLUDGE DEWATERING BY ELECTRO-OSMOSIS

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Abstract. The paper surveys the main dewatering technologies used in the pulp and paper industry and discuss the alternative of using electro-osmosis to enhance the efficiency of dewatering and sludge-to-energy conversion. Some results of laboratory tests on the Vrancart sludge are presented and discussed.

Keywords: electro-osmosis, pulp and paper, dewatering, energy recovery.

1. Introduction