

## Closed-cycle technology for the decontamination of electroplating wastewaters

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**Abstract** The electroflocculating process investigated in this work consists of in situ generation of ferrous ions by iron anode dissolution, followed by chromium (VI) reduction, and the co-precipitation of iron and chromium at pH greater than 2.8. The influence of the current density, time, pH, basic electrolyte, and number of electrodes has been investigated. On the basis of these experimental results, a pilot plant has been designed and put into operation at S.C. Electrocontact S.A. in Botoşani..

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