

# Color removal from Pulp and Paper Mill effluent - methods and industrial applications - a review.

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## **ABSTRACT**

Color and odour from integrated pulp and paper mill has been a matter of concern, on aesthetic sense, which has also been addressed in the CREP guidelines for the pulp and paper industry. Though the odour problem has been taken care by installing systems for NCG collection and combustion, the color removal from effluent, on a continuous industrial scale, has been an aspect of research for several years. Many technologies and methods have been tried out successfully in bench scale and even on pilot plant scale. However there is no proven method for color removal from pulp and paper mill effluent, so far, on an industrial scale. There has been several promising methods demonstrated, which need a combination of techniques. This paper reviews the color removal techniques so far studied. Color reduction at source is the most practical.