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Studies on a Novel treatment Plant for a Paint Industry

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ABSTRACT

Paint industry effluent is a complex mixture of inorganic pigments, organic dyes and solvents. It contains heavy metals like zinc, cadmium, iron, aluminum, lead and chromium. It is having nearly 30-40% suspended and settleable solids. Hot alkali wash of paint tanks contributes to high pH. In this communication hydrogen peroxide is used to oxidize all heavy metals to their respective oxides. This oxidation method made the treatment economical and more efficient.

Keywords: Treatment Plant, Effluent, Hydrogen Peroxide and COD.
