



Analysis Of Kasur Tannery Pre Treated Wastewater For Its Metal Toxicity

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ABSTRACT

In this paper analysis of Kasur tannery pretreated wastewater discharging form Common effluent pre treatment plant (CEPTP) is analyzed to find out its metallic toxicity. The concentrations of various metals such as Cr, Cd, Cu, Fe and Zn were computed and compared with the standards of wastewater for irrigation purposes proposed by WWF (2007). The results reveal that the concentration of Cr ($0.283 \pm 0.003 \text{ mg L}^{-1}$) is much above the permissible limits, while the concentration of other heavy metals are as Cd ($0.001 \pm 0 \text{ mg L}^{-1}$), Cu ($0.02 \pm 0.00351 \text{ mg L}^{-1}$), Fe ($3.531 \pm 0.03001 \text{ mg L}^{-1}$) and Zn ($0.028 \pm 0.00902 \text{ mg L}^{-1}$). The revealed that, pretreated wastewater cannot be used for irrigation due to the presence of excessive Cr.

Keywords: Kasur, Heavy Metals, Pre treated Tannery Wastewater, Cr.
