



ChemTech

International Journal of ChemTech Research

CODEN (USA): IJCRGG, ISSN: 0974-4290, ISSN(Online):2455-9555
Vol.9, No.06 pp 289-295, 2016

Evaluation of stabilize contaminants in biological sludge wastewater

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Abstract : In this study, the performance of activated sludge to remove organic contaminants from industrial wastewater has been investigated. A solution of 8 g glacial acetic acid, 8 g polyethylene glycol and 6 g P-xylene in water were prepared. This solutions was mixed with ratio of 80/100, 90/100, and 100/100 for activated sludge from wastewater sludge. The parameters such as pH, temperature, mix speed and the mixing ratio of sewage sludge were investigated. The mixing ratio of sludge was observed to be reducing the COD in the effluent 90/100 at pH 7.5, temperature 37 °C and mix speed 180rpm.

Key word: activated sludge, kit COD, reduce Organic matter.

Omid Espergham et al /International Journal of ChemTech Research, 2016,9(6),pp 289-295.
