



ChemTech

International Journal of ChemTech Research

CODEN(USA): IJCRGG, ISSN: 0974-4290,

ISSN(Online):2455-9555

Vol.10 No.2, pp789-795,2017

The Evaluation of Crude oil leakage effect on Water quality

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Abstract: This investigation was designed to evaluate the effect of crude oil leakage from Electricity station in Karbala City, Iraq on water quality parameters of Amholia stream, therefore two sites were chosen, the first one before the leakage point and the second after this point, the results according to statistical analysis indicate that some water quality parameters have affected by this leakage such as pH, E.C., T.D.S, Chloride, acidity , Total hardness, Mg, Nitrate, phosphate with fluctuation through study period, only Fe concentration increased after leakage point, we concluded that crude oil leakage effects on water quality has related with many factors.

Keywords :crude oil leakage, water quality, stream, heavy metals.

Wameedh A.K. AL-Yasari *et al*/International Journal of ChemTech Research, 2017,10(2): 789-795.
