

POLLUTION ALONG THE LAGOS LAGOON

FAGBENRO OLUWAKEMI KEHINDE & AJALA ABDULKAREEM ROTIMI

Department of Civil Engineering, Faculty of Engineering and Technology,
Ladokeakintola University of Technology, Ogbomosho, Nigeria

ABSTRACT

Pollution of the Lagos Lagoon was studied by examining and comparing the water quality at various locations along its course. Five high density communities in Lagos state, along which the Lagoon runs were randomly selected for sampling. The five parameters studied are appearance, pH, temperature, dissolved oxygen and iron. Results show that pollution was higher at Ajegunle and least at Lekki and Lagos Island. The latter are the high brow parts of the city and expectedly with a lower contribution to pollution. Only samples from both Lekki and Lagos Island had a clear appearance while others were dark and dirty brownish. Samples from Lekki also had the highest DO, while those from Ajegunle were least. Concentration of Iron was a highest value of 1mg/l for samples from Ajegunle and Oworonshoki, but not detectable in samples from Lekki, Lagos Island and Ebute-metta. Results points to the need for an environmental pollution awareness and a good water quality and sustainable development.

KEYWORDS: Pollution, Lagoon, Water, Ph, Dissolved Oxygen