

Environmental Pollution and Health Risks of Residents Living near Ewekoro Cement Factory, Ewekoro, Nigeria

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Abstract : The natural environment is made up of air, water and soil. The release of emission of industrial waste into anyone of the components of the environment causes pollution. Industrial pollution significantly threatens the inherent right of people, to the enjoyment of a safe and secure environment. The aim of this paper is to assess the effect of environmental pollution and health risks of residents living near Ewekoro Cement factory. The research made use of IKONOS imagery for Geographical Information System (GIS) to buffer and extract buildings that are less than 1 km to the plant, within 1 km to 5 km and above 5 km to the factory. Also, a questionnaire was used to elicit information on the socio-economic factors, the effect of environmental pollution on residents and measures adopted to control industrial pollution on the residents. Findings show that most buildings that between less than 1 km and 1 km to 5 km to the factory have high health risk in the study area. The study recommended total relocation for the residents of the study area to reduce risk health problems.

Keywords : environmental pollution, health risk, GIS, satellite imagery, ewekoro

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