

## **ABSTRACT**

*Water related challenges are increasingly becoming a major environmental threat to mankind. The purpose of this study was to investigate the impacts of wastewater disposal into the environment within Narok town. The research was guided by four objectives which are: To investigate how residential and commercial buildings in Narok town dispose their waste water, to determine the potential environmental impacts of waste water release into the environment, to investigate wastewater types, sources and amount disposed into the environment and to determine the quality of wastewater. The project considered policies legislative and institution framework when it comes to wastewater management. Descriptive research design was employed under which questionnaires, key informant interviews and photography methods were used to collect data. Purposive sampling was used in administering questionnaires in the field to determine water used per day by various people and methods of wastewater disposal in residential and business premises. Simple random sampling was used to collect samples and laboratory experiment was carried out to determine the quality of wastewater. The data was manually coded and analyzed using both descriptive statistics and inferential statistics with the help of excels spreadsheet and SPSS. The open ended questions were manually analyzed by grouping into similar themes and frequencies and closed –ended question labeled and entered into SPSS software version 23. The study established that wastewater disposal into the environment has resulted to environmental pollution. Chi square analysis between knowledge, gender and wastewater management yielded results that showed there is no significant association between them and wastewater management in Narok town. The recommendations made by the study are that the local government should construct a sewerage system in Narok town, complete with a sewage treatment plant to avert any chance of introducing raw sewage to the river and to streamline waste disposal and management. Further research is required to analyze impact of wastewater so as to come up with proper measures of eradication of negative impacts on the environment.*