

SDG Problem Definition: Sewage Management in Nairobi County.

Poor sewage systems and disposal sites have greatly impacted and questioned the country's sanitation and environmental status. Poorly maintained manholes, open sewages and blocked systems are just but a few cases of mishandled sewage systems affecting our country.

It is significantly seen and experienced when it rains. Areas with poor drainage become affected since the rainwater comes into contact with the sewage and gets contaminated. Many water-borne diseases arise due to this and a great majority of Kenyans become victims, but most especially, children.

This poor sewer disposal has greatly impacted residential apartments with poor sewage disposal systems and have lead to contamination of fresh water sources such as Nairobi and Athi river. In conjunction with the government, we recommend the development of a sewage disposal monitoring system that will help in tracking how often a residential area disposes their waste and where the waste is disposed of for a healthier and safer Kenya.

Objectives for the SDG Problem Definition: Sewage Management in Nairobi County

1. Enhance Monitoring of Sewage Disposal:

- Develop a system to track sewage disposal activities in residential areas, ensuring that waste is properly managed and disposed of in designated sites.

2. Improve Maintenance of Sewage Systems:

- Identify and monitor the maintenance schedules for manholes, open sewers, and drainage systems to prevent blockages and reduce instances of sewage overflow.

3. Reduce Environmental Contamination:

- Minimize contamination of fresh water sources such as Nairobi and Athi rivers by implementing a monitoring system that ensures sewage is not improperly discharged into the environment.

4. Prevent Water-Borne Diseases:

- Reduce the incidence of water-borne diseases by ensuring that rainwater does not mix with sewage, particularly in areas with poor drainage systems, through improved sewage management practices.

5. Support Government Efforts in Sanitation:

- Collaborate with government agencies to develop a sewage disposal monitoring system that aligns with national sanitation goals and promotes a healthier living environment in Nairobi County.

6. Promote Public Health and Safety:

- Protect vulnerable populations, especially children, by ensuring that residential areas have proper sewage disposal systems that do not compromise the quality of drinking water.

7. Facilitate Data-Driven Decision Making:

- Provide relevant data and insights to policymakers and stakeholders for informed decision-making regarding sewage management and environmental conservation in Nairobi County.