

Wastewater Production, Treatment, and Use in Burundi

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Wastewater production and treatment

- In BURUNDI, wastewater is generated throughout the country.
- Institutions like schools, hospital, Police also generate a lot of wastewater, especially those connected to piped water supply network.
- In general, wastewater is generated both from domestic and industrial.
- There is also wastewater from water utility companies generated during treatment of drinking water.
- The rainfall generate also wastewater in case of erosion.

Wastewater use and/or disposal

- Treatment of wastewater is through:- Stabilization Lagoons; Aerated Lagoons; Settlement tanks .
- Stabilization lagoons, Settlement tanks are mostly available in urban areas only and are used for both domestic and industrial wastewater.
- Disposal of wastewater is mainly into water bodies.

Regulations and implementation of guidelines

- we have decree no 100/241 31th December 1992 reglemented sewerage of waste water in urban and Legislation about impact of Environmental.
- The use of waste water in Agriculture is not implemented yet.

Challenges

- Lack of technical awareness in the use of wastewater.
- Our National policy is not clear.
- Lack of capacity to manage wastewater.

Government's approach to wastewater management

- Ministry of water and Environment are elaborated the National policy of sanitation.
- Ministry of water and Environment will run the project for management of liquid and solid waste

Possible solutions

- Improvement on the processes involved in wastewater treatment to ensure that the final effluent is of acceptable quality.
- Enrich National guidelines from other experiences.
- Introduction of different types of wastewater re-use and development of guidelines/standards on water quality for irrigation.
- Promote safe use of wastewater in Agriculture.