

Masaka Faecal Sludge Treatment Plant

Introduction

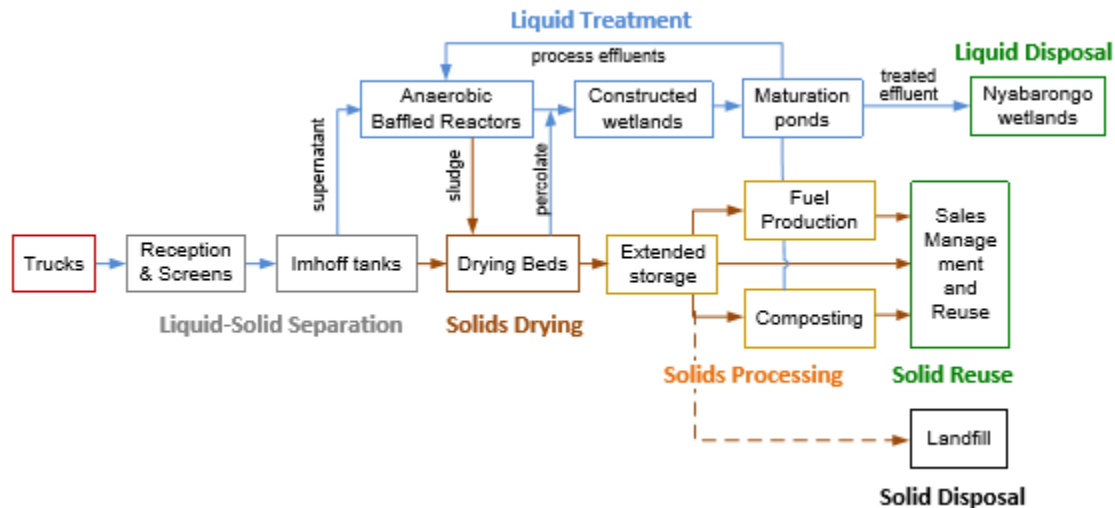
Kigali faecal sludge treatment plant is a project with main objective of replacing the crude dumping site at Nduba Landfill and implement a permanent faecal sludge treatment plant for the sludge collected from pit latrines and septic tanks of the City of Kigali. This project is one Component of Lake Victoria Basin Integrated Water Resources Management Programme (LVB-IWRM Programme) under Lake Victoria Basin Commission. In order to implement this project, LVBC and KFW hired a Germany consultancy company called CES (Consulting Engineers Salzgitter GmbH) for *the review and preparation of feasibility studies, detailed designs, technical drawings, preparation of tender documents, procurement of contractors for works, construction supervision, support during defects and liability period.*

Current status

Regarding the review of the existing feasibility study, the inception report, the design criteria report , conceptual design for Kigali faecal sludge treatment as well as the feasibility study for construction of Kigali faecal sludge treatment plant were completed and the project financing agreement is under preparation and signature process.

The Kigali faecal sludge treatment plant will have the capacity of treating 600 m³/day of the faecal sludge and it will be constructed at Masaka.

Below there is a diagram flow of the plant:



This project is considered as long term solution for faecal sludge treated management in Kigali with maximum utilization of the plant capacity at 2035.

As short solution, WASAC Ltd is working with KAMPS, a Belgian Company which was interested to work with WASAC Ltd in the improvement of faecal sludge management in Kigali. In line with improvement of faecal sludge management in Kigali, KAMPS submitted the proposal for implementation of MASAKA faecal sludge treatment plant and embarked also on financial resource mobilization through the Belgium Central Government.

Status

Currently, KAMPS has managed to mobilize the fund for implementation of Masaka faecal sludge treatment plant where 900,000 Euro have been secured through the grant of 700,000 Euro approved by the Belgium Central Government while the remaining fund will come from the Wallonie Region with the condition to use the innovative Technology of KAMPS. The short term solution as per proposal of KAMPS is to construct the faecal sludge treatment plant of 100 m³/day. So far the preparation of this project is at final stage and the implementation is expected to start next year (2021).