

KARIOBANGI SEWERAGE TREATMENT WORKS (KSTW)

Kariobangi Sewerage Treatment Works (KSTW) is located in Kariobangi North, Kasarani Division, Eastern part of the City of Nairobi about 8 km northeast of the city center and about 100m off Juja road, 500m off Outering road. It is enclosed within the residential area of Korogocho, Kariobangi Light industries area and Dandora Estate. The area is transversed by Nairobi River. The effluent of the plant is discharged into the Nairobi River.

The KSTW was established 1960 and fully commissioned, operations started 1963. It was established for the purpose of conveyance and treatment of waste water. The core function of the plant is to treat domestic effluent from Kariobangi, Westlands and City Centre. KSTW has a capacity of 94,000 m³/day, with the current running capacity of 23,000 m³/day. The plant has electro-mechanical and biological equipment to process the waste water.

The KSTW treatment process consists of:

- Conveyance
- Treatment Works
- In-let works
- Primary sedimentation tank
- Trickling filters
- Secondary sedimentation tank
- Sludge pump house.
- Primary digester.
- Secondary digester.
- Sludge drying beds.

KARIOBANGI TREATMENT FLOW

