

Site description

The St Joseph Mercy Hospital is located at 130-132 Parade Street Kingston. To the north east and north west are private properties with the hospital's property sandwiched between and bordering on Young Street.

To the south is a private property. Parade street forms the eastern boundary and the Embassy of the United States of America the western boundary separated by an alleyway.

The utility structures on the property are:

- Sewer system that is owned and maintained by the competent authority
- Electricity service network that is maintained by the Electricity Corporation

The site plan is attached for confirmation.

The St Joseph Mercy Hospital is a religious, Non Profit Health Care facility that provides Diagnostic, Medical and Surgical Services to the general public. All services offered are located on the premises and are done in conformance with the provisions of the Health Facilities Licensing ACT 2007 (ACT No. 26 of 2007) These services include:

- Internal Medicine
- Obstetrics and Gynaecology
- Pediatrics
- Surgery
- Orthopedics
- Cardiology Clinic
- Infectious disease clinic
- Medical Laboratory
- Diagnostic Imaging
- Dialysis center

Utilities

- a. Water- The hospital sources all of its water from the Guyana Water Inc at a rate of 20 cubic meters per day. This water is stored in 18,000 liters above ground tanks and distributed via a powered internal network.
- b. Electricity – Electrical power is sourced from the National Utility at a rate of 116.43 kwh. There is also a standby generator maintained by the hospital for emergency use. This generator is a 500 KVA, 60 cycles 3 phase 220 V unit. It is fitted with an automatic change over switch with a 30 second delay and is utilized whenever the main power supply is disrupted.
- c. Waste Disposal – two categories of waste are generated by the hospital. These are:

- a. Domestic – the estimated domestic waste generated monthly is 15,000kg. This waste is temporarily stored in a wooden structure and is disposed of by a private contractor on a scheduled basis.
- b. Medical – the estimated medical waste generated monthly is 230 kg. This waste is segregated and temporarily stored in a wooden structure designated for this purpose. It is disposed of by the GPHC Biohazard Disposal Services on a scheduled basis.

The waste management plan is attached.

Hospital Summary

The St Joseph Mercy Hospital is a health care facility that offers 24 hour medical and surgical treatment and care. It has a staff of 245 doctors, nurses, lab technicians, ancillary and clerical personnel are responsible for providing quality care. The hospital has two Operating Rooms. Fifty four beds, an emergency room, x-ray, pharmacy, laundry and materials bond.

Potential Environmental Risks

Waste disposal -The hospital is at risk of promoting an unsanitary environment if responsive measures are not adopted. Waste disposal if not scheduled and enforced will result in the creation of an enabling habitat for flies and rodents. This in turn will compromise the health of patients and staff.

Sanitation – The hospital will attend to patients affected by numerous infections. The sanitation schedule of the entire facility must therefore be robust and be responsive to emerging situations. The cleaning and disinfectant protocols address this situation.

Radiation- Uncontrolled radiation exposure from equipment. This can be mitigated by embracing a robust maintenance schedule and regularly confirming that the status of the containment structures is in accordance with national and international regulations and standards. Patient protective equipment is also mandatory in all situations.

To mitigate the risks associated with the hospital's operations the following protocols have been implemented and are in force:

- Cleaning and Disinfection Protocols
- Infection Prevention and Control Checklists
- Waste Management Plan
- Occupational Safety and Health Manual