



4th May, 2021

Ms. Saliqa Zaman
Environmental Officer II
Industry & Waste Management Division
Environmental Protection Agency
Ganges Street,
Sophia

Dear Ms. Zaman,

Application for Environmental Authorisation

In compliance with the Environmental Protection Act of 1996, Woodlands Limited hereby seeks Environmental Authorisation to continue the administration of healthcare at our 110-111 Carmichael Street complex. From the commencement of the Hospital's services in the year 1968, caring for the needs of patients has always been the cornerstone that has propelled us to continually raise the standard of patient care provided. As such, we are currently undertaking internal renovations to heighten the level of care rendered to our patients. We are in the process of creating private and semi-private rooms, and staff changing rooms, all for a more comfortable in-house experience. The construction works do not extend beyond the current boundaries of the Hospital.

The Hospital is well equipped to manage all departments, with a workforce of over 200 qualified and trained personnel. Some of the services available are Cardiology, Gynecology, Orthopedics, Pediatrics, Neurology, Urology, Internal Medicine, General Surgery, Psychiatric, Medical Laboratory, Radiology, Pathology, and Ophthalmology. We pride ourselves in our investment in technology that is modern and relevant.

To ensure that electricity is constantly provided, Woodlands Limited is powered via a grid-tied solar system. Additionally, the Hospital is in possession of two (2) diesel generator sets which are activated in the event of a power failure. Both generator sets are housed in well ventilated confines away from the public, and possess smoke stacks that reach in excess of 26 feet. Each generator set is fitted with noise attenuating devices and adequate guard panels to ensure that noise levels are kept within the required decibels. Permission to store fuel on site has been granted by the Guyana Fire Service.

WOODLANDS LIMITED

110-111 CARMICHAEL STREET, NORTH CUMMINGSBURG
GEORGETOWN, GUYANA

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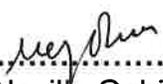
Please see below for details of supporting documents.

- **Proof of Land Ownership;**
Document attached
- **Map Showing Surrounding Land uses including all effluent and storm water discharge points;**
Document attached
- **Business Registration**
Document attached
- **Site Plan**
Document attached
- **Guyana Fire Service Licence**
Document to be obtained; awaiting CHPA approval

Additionally, we have included a detailed note explaining the procedures in place at our facility for the management of waste.

Should any further information be required as we pursue Environmental Authorisation, please do not hesitate to contact our Quality Control/Safety and Health Manager, Mr. Roger Astwood, on 225 4050, ext.317.

Sincerely,


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Dr. Neville Gobin
Managing Director

**WOODLANDS
LIMITED**

GENERAL WASTE MANAGEMENT ACTIVITIES

Woodlands Limited is keen on the safe and sustainable management of waste produced from healthcare activities. We are responsible for our waste from the point of generation to final disposal.

We understand that in order to mitigate environmental impacts of our operation the following must be adhered to: Waste Segregation; Waste Transport; Treatment and Sterilization of Waste; Interim Storage; and, Waste Disposal.

Waste Segregation

- I. All medical waste is sorted at the point of generation into appropriately labelled bins/containers and separated from general wastes.
- II. Colour-coded disposable bags are used to line various bins which further indicate the type of waste. Red bags are used for medical waste while black bags are used for general waste.
- III. Sharps are kept in secured sharps containers, while chemical waste is kept in appropriate bottles for dilution, neutralization and then disposal.

Transport of Wastes

- I. Staff handle medical waste as little as possible to avoid the risk of accidents
- II. For the transport of waste Personal Protective Equipment is used
- III. Medical and chemical waste are removed from operating areas when the containers are $\frac{3}{4}$ filled. However, general waste is removed at least once daily or more frequently if needed

Treatment and Sterilization of Waste

Woodlands Limited does not treat or sterilize medical waste on site. However, the Georgetown Public Hospital Corporation is contracted for the disposal of medical and chemical waste.

Interim Storage

- I. Medical and chemical wastes are stored at the point of generation.
- II. Such wastes are then transported to designated containers/bins located at the back of the Hospital compound until they are removed by the contracted waste disposal service.
- III. The waste storage area is enclosed and restricted to authorised personnel only
- IV. Drains running through the waste storage area are separated from storm water drains
- V. Run-off water from cleaning activities such as washing of the waste storage area, are channeled into chambers via separate drainage systems, treated, and then released.

Disposal of Waste

All waste generated at Woodlands Limited is picked up according to an established schedule.

TABLE I

ITEM	COMPOSITION	Discharge Rate (m³ Per Day)	Ultimate Effluent Points
WASTE WATER	Slightly turbid upon discharge	3m ³ per day	Sewer System
AIR EMISSIONS	Exhaust fumes from diesel generators	Utilized based on GPL power outage	Exhaust stacks with a vertical reach in excess of 26 feet.
NOISE LEVELS	Sound waves in decibels as gen sets operate	Based on GPL Power Outage Schedule	N/A
HAZARDOUS WASTES	Blood and body fluids, needles and syringes.	20 large biohazard bags per day	Stored at waste holding area in skips for twice/weekly pick up by waste disposal service.
CHEMICALS	Formaldehyde Xylene	-0.0006 m ³ (neutralized) -0.003 m ³ per day	-Neutralized then discharge @ sink -Taken off-sites & disposed by private contractor.
SOLID WASTES	General wastes such as paper or anything classified as non-hazardous.	25 large black bags per day.	Stored at the waste holding area for collection by waste disposal service daily.
WASTE FROM FAT TRAPS, SUCH AS FAT AND GREASE	Fat/Grease	0.06 m ³ per day	Wasted enters grease/fat traps and are cleaned twice monthly.