



**Environmental
Protection
Agency**

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Environmental Permit (Modified Renewed & Transferred)

(Issued under the Environmental Protection Act, Cap. 20:05, Laws of Guyana,
the Environmental Protection (Amendment) Act, 2005, and the
Environmental Protection Regulations, 2000)

Reference No.:	20150615-BKFSO
Fee:	Small (C3) US\$300 per year
Fee Paid:	US\$300 for one (1) year (September 2024– August 2025)
Address:	Kaimattie Kalpu Owner Lot 26, De Hoop Mahaica East Coast Demerara.
Activity:	Operation of Welding Workshop inclusive of Fuel Storage (DIESEL ONLY)

K B & B Contractors, hereinafter referred to as the “Permit Holder”, is hereby authorised in accordance with the Environmental Protection Act, Cap. 20:05, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000, for the Operation of Welding Workshop inclusive of Fuel Storage at 26 De Hoop, Mahaica, East Coast Demerara, hereinafter referred to as the “Project”, in a manner indicated in the Application for Transfer of an Environmental Authorisation submitted on September 07, 2021, and subject to the terms and conditions set forth herein and in any forthcoming regulations, guidelines, best practices, and standards relevant to this project.

This is a Modification, Renewal, and Transfer of the Environmental permit, reference No. 20150615-BKFSO, issued on March 2017 and which expired on February 2022.

The Permit Holder, His Servants, Agents, and/or Sub-Contractors shall comply with the following Terms and Conditions for Operation:

1.0 GENERAL OPERATION

- 1.1 Make an application to the Agency to vary this Permit in instances where it becomes necessary to:
 - i. change the construction, operation, structure, or layout of the facility and all associated buildings;
 - ii. change equipment, machine, apparatus, mechanism, system or technology serving the facility;

Kaimattie Kalpu

- iii. change the position and design of any outlet at the point or points of discharge of effluents; or
- iv. effect any other change outlined in 20(3) of the Environmental Protection (Authorisations) Regulations.

1.2 The inspection, maintenance, and repairs of all equipment used at the Project shall be conducted in accordance with the Manufacturer's Specification.

1.3 Equipment, tools, and machinery maintenance activities at the Project shall at all times be conducted on impervious bases.

1.4 Emergency spill clean-up kits shall be maintained at the Project for response to spills. Kits shall contain absorbent materials, drain seals, and other appropriate tools for clean-up, and be readily available and clearly identified at the Project.

1.5 Fire prevention and control equipment shall be maintained in accordance with **Guyana Fire Service Approval**. This may include a smoke detection and alarm system, fire extinguishers, fire hydrants, or sprinkler systems as appropriate.

1.6 Adhere to the requirements of the **Occupational Safety and Health Act, Cap. 99:01, Laws of Guyana**.

2.0 OPERATION OF WORKSHOP

2.1 Servicing and maintenance of vehicles and equipment shall be conducted within the confines of the workshop and on an impervious base.

2.2 Contaminated wastewater from cleaning greasy hands and equipment shall be collected and/or routed through the oil-water separator prior to discharge into the environment.

2.3 A drip pan shall be utilized to capture waste oil spills during servicing and maintenance activities.

2.4 Engine oil, grease, lubricants and other chemicals used in the Project shall be stored in accordance with the Safety Data Sheets (SDS). SDS shall be readily available and easily accessible.

2.5 Flammable materials shall be stored away from ignition sources. **'No Smoking'** signs shall be posted where such materials are handled and stored.

2.6 Oil- contaminated waste from servicing and maintenance activities such as rags, filters, etc. shall be collected, treated, and disposed of by an EPA Authorised Hazardous Waste Disposal Facility.

Kaimathie Halper

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3.0 MANAGEMENT OF FERROUS AND NON-FERROUS SCRAP WASTES

- 3.1 Storage of ferrous scrap wastes at the Project shall be stored orderly on an impervious base, with adequate distance between stockpiles.
- 3.2 Non-ferrous scrap waste shall be stored under a covered area on the impervious that is protected from the ingress of storm or rainwater. The storage area shall be clearly demarcated and shall not be accessible to unauthorised persons.
- 3.3 An inventory of ferrous and non-ferrous scrap wastes shall be established and maintained. The reports shall be made available to the EPA upon request.
- 3.4 Smelting of scrap metal shall be conducted within a controlled environment designed to control indoor and outdoor hazardous air emissions.

4.0 WATER QUALITY

- 4.1 Adhere to the provisions of the Environmental Protection (Water Quality) Regulations, 2000.
- 4.2 Discharge of wastewater from the Project into the environment is **strictly prohibited**.
- 4.3 Effluent from the sump shall be collected, treated, and disposed of by an EPA Authorised disposal facility
- 4.4 The project shall maintain the integrity of the existing waterways at all times. Discharges into the environment should be in accordance with the Guyana National Bureau of Standards (GNBS) *Interim Guidelines for Industrial Effluent Discharge into the Environment*. The following are the allowable limits for the general environment and should not be exceeded:

Parameter	Maximum Concentration	Units
Oil and Grease (O&G)	<10	mg/L

Water Quality monitoring shall be conducted at the discharge point, (GPS coordinate: 21 N 0401049 UTM 0735556) **annually** in accordance with the parameter listed above by trained personnel utilizing calibrated equipment. Records of each monitoring exercise shall be maintained and results submitted to the Agency as a component of the Project's **Annual Report**.

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5.0 AIR QUALITY

- 5.1 Adhere to the provisions of the **Environmental Protection (Air Quality) Regulations, 2000.**
- 5.2 The Best Available Technology (BAT) shall be implemented to remove vapors/ fumes from the workshop during welding and fabrication works.
- 5.3 Welding gas cylinders shall be stored and managed according to the supplier's recommendations.
- 5.4 In the event of equipment malfunction or inefficiencies which may result in visible emissions to air or, in the event of the malfunction leads to abnormal emissions, the operator shall:
- i. Investigate and undertake remedial action immediately;
 - ii. Adjust the process or activity to minimise those emissions; and
 - iii. Record the events and actions taken. This shall be submitted in the annual report.

6.0 NOISE MANAGEMENT

- 6.1 Adhere to the provisions of the Environmental Protection (Noise Management) Regulations, 2000.
- 6.2 Noise emissions shall be monitored at the Project's boundary to determine compliance with **Guyana National Bureau of Standards (GNBS) Guidelines for Noise Emissions** into the Environment, not exceeding the **Commercial Limits** listed below:
- Residential Limits: 75 dB** (Day-time (06:00 h -18:00 h))
60 dB (Night-time (18:00 h - 06:00 h))
- 6.3 A noise quality monitoring plan shall be developed and submitted to the EPA for approval by **March 31, 2024**. Noise monitoring shall be conducted in accordance with the approved plan and the results shall be submitted to the Agency upon request.
- 6.4 All machines/equipment shall be serviced in accordance to the manufacturer's specification to ensure efficiency and reduce the level of noise produced. A summarised maintenance report shall be maintained on-site and made available to the EPA upon request.
- 6.5 All equipment and machinery shall be placed upon foundations properly designed to ensure effective damping of vibrations.

- 6.6 All significant noise-producing equipment, such as generators, shall be equipped with appropriate silencers or mufflers and/or are enclosed in suitable acoustic enclosures where necessary, to reduce noise levels impacting the surrounding environment to achieve compliance with Guyana National Bureau of Standards (GNBS) requirement.

7.0 FUEL HANDLING AND STORAGE (DIESEL ONLY)

- 7.1 Adopt and comply with the National SOP "Guidance for the Design, Construction, Modification, and Maintenance of Petrol Filling Stations" and any forthcoming code of practice/guidelines pertaining to the operation of fuel storage.
- 7.2 Fuel shall at all times be stored above ground and away from ignition sources. **'No Smoking'** signs shall be posted where fuel is handled or stored.
- 7.3 Existing secondary containment around the fuel tanks shall be inspected monthly for cracks and breakage to ensure they are liquid-tight to withstand hydrostatic pressure of any contained liquid when full. A summarized inspection report shall be kept and provided to the EPA upon request.
- 7.4 All secondary containment shall remain sealed and all piping must enter or exit the containment over the wall. Secondary containment shall provide total containment, and no part of the tank infrastructure (e.g., dispenser, filling hoses, and valves) shall protrude outside the containment.
- 7.5 Fuel storage tanks shall be visually inspected to verify their integrity. A summarised inspection report shall be kept and provided to the EPA upon request.
- 7.6 Protection measures for fuel storage tanks such as painting and coating shall be maintained to minimise corrosion of fuel tanks.
- 7.7 Maintenance and/ or repair of fittings, pipes, and hoses shall be in accordance with the manufacturer's specifications. A summarised inspection report shall be kept and submitted to the EPA upon request.
- 7.8 Overfill protection systems shall be installed and maintained on all fuel tanks. This may include an automatic shut-off device or an audible or visible overfill alarm.
- 7.9 The safe fill level shall be identified on the gauge and set at 90% to prevent overfilling. In the event of overfilling, all discharges shall be released into the containment bund.

Vainattie Mahajan

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- 7.10 Hoses and couplings shall be inspected before use. Hoses showing deterioration, leakage, or weakness in the body of the hose or at the couplings shall be removed from service.

8.0 WASTE MANAGEMENT

- 8.1 In accordance with the **Environmental Protection (Litter Enforcement) Regulation, 2013**, promote good sanitation and solid waste disposal practices on site; covered garbage receptacles must be placed at strategic locations at the facility.
- 8.2 Waste materials shall not be burnt on site. All solid waste shall be disposed of, at an approved Solid Waste Disposal Site.
- 8.3 Good housekeeping, sanitary, and hygienic practices shall be maintained at all times. The facility surroundings shall be kept free of vegetation and litter.
- 8.4 Septic Tank(s) shall be constructed and maintained in accordance with Guyana National Bureau of Standards Code of Practice for the Design and Construction of Septic Tanks and Associated Secondary Treatment and Disposal Systems.
- 8.5 Septic Tank(s) shall at all times be accessible for cleaning and de-sludging by an EPA authorised waste disposal company.
- 8.6 Any modification to the Septic Tank(s) must be in accordance with the Guyana National Bureau of Standards (GNBS) Code of Practice for the Design and Construction of Septic Tanks and Associated Secondary Treatment and Disposal Systems.

9.0 COMPLIANCE MONITORING AND REPORTING

- 9.1 Notify the Environmental Protection Agency within **one (1) hour** of the discovery of the occurrence of environmental emergencies (e.g., oil spills, hazardous materials/wastes spill, sudden onset disaster, natural technological or human-induced factors that cause or threaten to cause severe environmental damage as well as harm to human health or livelihood). Notification as prescribed by Section 19(3)(a) of the Environmental Protection Act, shall be submitted to the EPA within **twenty-four (24) hours** of the discovery of the incident occurring.
- 9.2 Monitor the implementation of the conditions of this Permit, insofar as they involve adherence by your employees and all third parties under your direction.
- 9.3 Notify the Agency in writing of any change of name or ownership of the Permit Holder's facility within **thirty (30) days** after the change occurs.
- 9.4 Notify the Agency **within twenty-one (21) days** in the event of death, bankruptcy, liquidation, or receivership of the Permit Holder or if the Company becomes a party to an amalgamation.

- 9.5 Maintain and submit to the Agency records of the type, composition, and quantity of contaminant released (i.e., any solid, liquid, gas, odour, sound, vibration, radiation, heat, or combination of any of them).
- 9.6 Submit an **Annual Report** to the EPA on your compliance with this Environmental Permit on or before **March 31, of each year**.
- 9.7 Report to the Agency of non-compliance with the Environmental Permit:
- Within **twenty-four (24) hours** of the time the Holder of the Environmental Permit becomes aware of the non-compliance outlining the anticipated manner in which human health or the environment may be impacted.
 - Within **seventy-two (72) hours** of the time the Holder of the Environmental Permit becomes aware of the non-compliance, submit to the Agency a written report containing a description of the non-compliance, its cause, the period of non-compliance including exact dates and time, and the anticipated time it is expected to continue if the non-compliance(s) has not been corrected.
- 9.8 Comply with any lawful directions given by the EPA from time to time in furtherance of the implementation of any international or other obligation for the environmental protection of Guyana.
- 9.9 It is the responsibility of the Permit Holder to ensure the permitted activity and premises are secured and that all practicable steps necessary to prevent fires, explosions, leaks, or suspected leaks and spills at the permitted premises are taken.
- 9.10 Obtain Export Permit for each shipment of Used Lead Acid Batteries under the Basel Convention for Transboundary Movement of Hazardous Wastes and their Disposal.

10.0 INSTITUTIONAL AUTHORITY/ LIABILITIES

- 10.1 The Permit Holder shall be liable for any material environmental harm caused by polluting the environment, pursuant to s. 39 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 10.2 The Permit Holder shall be liable for any serious environmental harm caused by polluting the environment, pursuant to s. 39 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 10.3 The Permit Holder shall be liable for any activity that causes or is likely to cause pollution of the environment unless all reasonable and practicable measures are taken to prevent or minimize any resulting adverse effect, pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 10.4 The Permit Holder shall be liable for discharging, causing or permitting the entry into

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the environment, of any contaminant in any amount, concentration or level excess of that prescribed by the regulations or stipulated by this Environmental Permit pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.

- 10.5 The Permit Holder shall be liable to compensate any person who suffers any loss or damage as a result of contravening conditions 7.3 and 7.4 of this Environmental Permit, pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 10.6 The Permit Holder shall not be indemnified by the Agency for any activity that causes or is likely to cause pollution to the environment, resulting from adverse effects through the discharge, any contaminant in any amount, concentration, ultra-hazardous substances, chemicals or otherwise, and shall be rendered liable to prosecution and to penalties prescribed under the Environmental Protection Act and Regulations.
- 10.7 The Permit Holder shall be liable of any gross negligence or wilful misconduct caused by the Permit Holder, his Servants and/or Agents, to the environment, biodiversity, protected species and natural habitat with respect to any release, discharge, or spill, of contaminant fluids, oil or lubricants.
- 10.8 Should the Permit Holder contravene or be likely to contravene any condition of this Permit, the Agency (EPA) may serve on him an Enforcement Notice in accordance with Section 26 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 10.9 Where it appears to the Agency that the Permit Holder is engaged in any activity that may pose a serious threat to natural resources or the environment, or a risk of serious pollution of the environment or any damage to public health, the EPA may issue to the Permit Holder a Prohibition Notice, which may order him to immediately cease the offending activity, in accordance with Section 27 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 10.10 The EPA reserves the right to conduct regular inspections of the Permit Holder's activities as part of its monitoring and enforcement requirements under the Environmental Protection Act, Cap 20:05, the Environmental Protection (Amendment) Act, 2005, and Environmental Protection (Authorisations) Regulations, 2000.
- 10.11 The Permit Holder, His Servants, and/or Agents shall at all times, allow entry to the permitted facility to any Officer designated by the EPA for the purposes of conducting inspections or any other legitimate business of the Agency. Pursuant to Section 38 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana, it is an offence to assault, obstruct or hinder an authorised person in the execution of his/her duty under the said Act or its Regulations and the Permit Holder shall be liable to penalties prescribed under paragraph (c) of the Fifth Schedule for doing so.
- 10.12 The EPA has the right to modify, cancel, or suspend this Permit for breach of any of the terms and conditions contained herein.

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- 10.13 **This Environmental Permit (Renewed, Modified & Transferred) is not the final consent; all relevant Permissions should be obtained from other regulatory bodies for continued operation.**
- 10.14 The Environmental Permit (renewed, modified & transferred) is effective for the period stipulated herein from **September 2024– August 2025.**
- 10.15 This Environmental Permit shall remain valid until **August 31, 2025**, unless otherwise suspended, canceled, modified, or varied in accordance with the provisions of this Permit or the Environmental Protection Act, Cap. 20:05, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000.
- 10.16 This Permit shall be renewed by submitting a completed *Application Form for Environmental Authorisation* (Environmental Permit) to the Agency at least six months before this Permit expires, that is, no later than **February 28, 2025.**
- 10.17 Any late submission of renewal application(s) after the specified date as stated above, may require the Permit Holder to pay, in addition to the renewal fee, a late penalty fee (accruing at the time such obligation was first owed for renewal) at a rate of **two thousand dollars (\$2,000.00) per day for every day late**, until such renewal application is submitted to the Agency, without prejudice to any other rights of the Permit Holder in connection therewith.
- 10.18 Failure to comply with the requirements of this Permit or with applicable laws and regulations, whether existing or forthcoming, shall render the Permit Holder liable to prosecution and to penalties, inclusive of civil penalties, injunctive relief, and imprisonment, as prescribed under the Environmental Protection Act, Cap. 20:05, Laws of Guyana, the Environmental Protection Regulations, and other applicable laws of Guyana.

Signed by  on behalf of the Environmental Protection Agency.
Kemraj Parsram
Executive Director

Date 2024.09.30



I hereby accept the above Terms and Conditions upon which this Environmental Permit is granted and agree to abide by the Environmental Protection Act, Cap, 20:05, Laws of Guyana, Environmental Protection (Amendment) Act, 2005, the Environmental Protection (Authorisations) Regulations, 2000, and any existing or forthcoming regulations, guidelines, best practices and standards made under this Act.

NAME	HAIMATIE KARIU
DESIGNATION	Manager.
SIGNATURE	Haimatie Kariu
DATE	2024/10/01

