



**Environmental
Protection
Agency**

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Environmental Permit

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

Reference No.:	20220329-WASTE
Fee:	Small (C2) i.e., US\$175 per year
Fees Paid	US \$525 for Three (3) years (June 2022 to May 2025)
Addressee(s):	<div>Ms. Candacy Salaru Proprietor Swan Metal Recycling Inc. 79 Middle Road La Penitence, Georgetown.</div> <div>ENVIRONMENTAL PROTECTION AGENCY Database Updated <i>Quirich</i> 9/13/22</div>
Activity:	Storage of Ferrous & Non-Ferrous Scrap Waste, Electronic Waste & ULABS.

Swan Metal Recycling Inc. 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, to Store Ferrous, Non-Ferrous Scrap Waste, Electronic Waste and ULABS at Tract G Madewini Eastern Side Soesdyke Highway, hereinafter referred to as the "Project", in a manner indicated in the Application for Environmental Authorisation submitted on March 29, 2022, and subject to the terms and conditions set forth herein under the Environmental Protection Act, Cap. 20:05, existing and/or forthcoming regulations, guidelines, best practices, and standards relevant to this project.

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

1.0. GENERAL

- 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;
 - 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 Conduct all operations in accordance with the **Old Metal Dealers (Amendment) Act 2007**.
- 1.3 The base of the storage area for non-ferrous scrap waste shall remain impervious. The storage area shall be clearly demarcated and shall not be accessible to unauthorised persons.
- 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 Acid contaminated waste shall be stored in a covered, bunded area. This area shall include the following:
 - i. Signage- "**Hazardous Waste Storage Area**"
 - ii. Low traffic
 - iii. No floor drains
 - iv. Secondary containment capable of containing 110% of the largest volume therein
- 1.6 Storage of ferrous metal scrap wastes at the Project shall be orderly with adequate distance between stockpiles.
- 1.7 An inventory of ferrous and non-ferrous metal scrap wastes shall be established and maintained. The reports shall be made available to the EPA upon request.
- 1.8 Make all employees, and third parties under your direction, aware of the conditions of the Environmental Authorisation and provide training on good environmental practices. Annual training records shall be maintained on-site and made available to the EPA upon request.
- 1.9 Obtain and maintain the **Ministry of Tourism, Industry, and Commerce Scrap Metal Unit Certificate** and submit a copy of the approval for the EPA's records.
- 1.10 Adhere to the requirements of the **Occupational Safety and Health Act, Cap. 99:01, Laws of Guyana**.

2.0 MANAGEMENT OF USED LEAD-ACID BATTERIES

- 2.1 Used Lead Acid Battery (ULAB) shall be accepted **DRAINED**. Signage to this effect shall be clearly visible at the Project's entrance.

- 2.2 All residual acids in the ULABs shall be neutralized (i.e. mixing the residual acid with a base chemical such as Sodium Carbonate to attain a pH of 7).
- 2.3 Neutralizing base chemicals shall be stored in accordance with the manufacturer's directions or Safety Data Sheet (SDS) instructions.
- 2.4 Secondary containment (bund area) shall be established and maintained around storage areas of all liquid chemicals.
- 2.5 The secondary containment shall have the capacity to store 110% of the volume of the largest storage container and must be constructed of impermeable material such as concrete.
- 2.6 Used lead-acid batteries shall be stored upright on pallets which shall be inspected for signs of leakage or corrosion. Damaged pallets shall be replaced.

3.0 WATER QUALITY

- 3.1 Adhere to the provisions of the **Environmental Protection (Water Quality) Regulations, 2000.**
- 3.2 Disposal of untreated wastewater and residual battery acid from the Project into the surrounding drain or environment is strictly **prohibited.**
- 3.3 Acid spill occurring during handling or unloading operations shall be immediately cleaned, as guided by the respective Safety Data Sheet, and appropriately disposed to prevent discharges into surface or groundwater.

4.0 NOISE MANAGEMENT

- 4.1 Adhere to the provisions of the **Environmental Protection (Noise Management) Regulations, 2000.**
- 4.2 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:

Commercial Limits: 80 dB (Day-time (06:00 h -18:00 h))
65 dB (Night- time (18:00 h - 06:00 h))

A noise quality monitoring plan shall be submitted to the EPA for approval. Noise monitoring shall be conducted in accordance to the approved plan and the results shall be submitted to the Agency upon request.

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- 4.3 All generators and 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.
- 4.4 All equipment and machinery shall be placed upon foundations properly designed to ensure effective damping of vibrations.
- 4.5 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.

5.0 WASTE MANAGEMENT

- 5.1 In accordance with the Environmental Protection (**Litter Enforcement Regulations 2013**), promote good sanitation and solid waste disposal practices on site. Place covered garbage receptacles, each on an impervious base and at a strategic location, within and outside the storage facility.
- 5.2 Burning of solid waste **is strictly prohibited**. All solid waste shall be disposed of by an EPA-Authorised Waste Disposal Company.
- 5.3 Acid contaminated waste shall be disposed of by an EPA authorised Hazardous Waste Disposal Facility where applicable.
- 5.4 Promote waste minimization and the reuse and/or recycling of waste and other materials where practical.
- 5.5 Waste collection areas shall be kept clean. Dry methods shall be used when cleaning around waste handling and disposal areas (e.g., sweeping, use of absorbents).

6.0 COMPLIANCE MONITORING AND REPORTING

- 6.1 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 discovery of the incident occurring.
- 6.2 Monitor the implementation of the conditions of this Permit, insofar as they involve adherence by your employees and all third parties under your direction.

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- 7.3 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.
- 7.4 The Permit Holder shall be liable for discharging, causing or permitting the entry into 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.
- 7.5 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.
- 7.6 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.
- 7.7 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.
- 7.8 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.
- 7.9 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.
- 7.10 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.
- 7.11 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

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- 6.3 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.
- 6.4 Notify the Agency **within twenty-one (21) days** in event of death, bankruptcy, liquidation or receivership of the Permit Holder or if the Company becomes a party to an amalgamation.
- 6.5 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).
- 6.6 Submit an **Annual Report** to the EPA on your compliance with this Environmental Permit on or before **March 31, each year**.
- 6.7 Report to the Agency of non-compliance with the Environmental Permit:
- i. 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.
 - ii. 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.
- 6.8 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.
- 6.9 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.
- 6.10 Obtain Export Permit for each shipment of Used Lead Acid Batteries under the Basel Convention for Transboundary Movement of Hazardous Wastes and their Disposal.

7.0 INSTITUTIONAL AUTHORITY/ LIABILITIES

- 7.1 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.
- 7.2 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.

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.

- 7.12 The EPA has the right to modify, cancel or suspend this Permit for breach of any of the terms and conditions contained herein.
- 7.13 **This Environmental Permit is not the final consent; all relevant Permissions should be obtained from other regulatory bodies for continued operation.**
- 7.14 The Environmental is effective for the period stipulated herein from **June 2022 to May 2025**.
- 7.15 This Environmental Permit shall remain valid until **May 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.
- 7.16 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 **November 30, 2024**.
- 7.17 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.
- 7.18 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.

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Signed by

Shamfab Layek
Kemraj Parsram
Executive Director

on behalf of the Environmental Protection Agency.

Date

2022.06.13

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 and or forthcoming regulations, best practices, guidelines and standards made under this Act.

NAME	RASHLEY HOLDER
DATE	JUNE. 20. 2022
SIGNATURE	<i>Candacy Salaku</i> for Candacy Salaku
DESIGNATION	LOGISTICS COORDINATOR

