



**Environmental
Protection
Agency**

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Environmental Permit (Renewed)

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.:	20171006-STBES
Fee:	Small (C1) US\$875 (5 years) i.e., US\$175 per year
Fees Paid:	US \$875 (January, 2024- December, 2028)
Addressee(s):	Mr. Stephen Bourne Eternity Investment Inc 965, Eccles, East Bank Demerara
Activity:	Transportation and Storage of Ferrous and non-ferrous Wastes and Waste Electrical and Electronic Equipment (E-waste)

Eternity Investment 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 Environmental Protection (Authorisations) Regulations, 2000, to Transport and Store Ferrous & Non-Ferrous Wastes and Waste Electrical and Electronic Equipment (E-waste) at Tract G, Madewini, Eastern Side, Soesdyke, Linden Highway, hereinafter referred to as the “Project”, in the manner indicated in the Renewal Application for Environmental Authorisation submitted on October 17, 2023, respectively, and subject to the terms and conditions set forth herein under the Environmental Protection Act, Cap. 20:05, existing and/or forthcoming regulations made under the said Act, and/or any other applicable laws, guidelines, best practices, and standards relevant to this project.

This is a Renewal Environmental Permit, Reference No. 20171006-STBES issued on April 17, 2023, and expiring on March 31, 2024.

Terms and Conditions for Operation to be adhered to by Permit Holder, His Servants, Agents, and/ or Sub- Contractors:

1.0 OPERATION

- 1.1 An application shall be made to the Agency to vary this Permit in instances where it becomes necessary to:
- change the construction, operation, structure, or layout of the facility and all associated buildings;
 - change equipment, machine, apparatus, mechanism, system, or technology serving the facility;
 - 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 Emergency spill kits shall be maintained at the Project site for response to potential spills. Kits shall contain absorbent materials, drain seals, and other appropriate tools for clean-up, and shall be readily available and identified at the Project.
- 1.3 The Guyana Fire Service approval shall be maintained and fire protection measures such as fire extinguishers and sand buckets shall be provided in accordance with this approval.
- 1.4 All firefighting equipment shall be maintained and serviced according to the Guyana Fire Service requirements.
- 1.5 Operation shall be conducted in accordance with the **Old Metal Dealers (Amendment) Act 2007**
- 1.6 The Ministry of Tourism, Industry, and Commerce Scrap Metal Unit Certificate shall be maintained and made available to the EPA upon request.
- 1.7 Adhere to the requirements of **the Occupational Safety and Health Act, Cap. 99:06, Laws of Guyana.**
- 2.0 TRANSPORTATION OF FERROUS AND NON-FERROUS WASTES and ELECTRICAL & ELECTRONIC EQUIPMENT(E-WASTE)**
- 2.1 Ferrous and non-ferrous scrap wastes shall be transported in a fully enclosed vehicle, or on an 'open top' vehicle.
- 2.2 Ferrous and non-ferrous scrap wastes shall be packed and strapped at least one meter below the height of the vehicle.
- 2.3 Waste Collection Vehicles shall be inspected for signs of leakage or corrosion and damaged parts **shall be repaired/replaced immediately.** Inspection reports shall be maintained and made available for inspection by the EPA upon request.
- 2.4 Highly visible and legible labels shall be affixed to the Waste Collection Vehicles transporting ferrous and non-ferrous scrap waste, Electrical & Electronic Equipment (E-Waste), and charcoal. Signage shall include the following information:
 - i. Identity and contact information of the Project;
 - ii. The words **"Transportation of Ferrous and Non-Ferrous Scrap Waste and Electrical & Electronic Equipment (E-Waste)"**.

- 2.5 Signed copies of Waste Manifest form shall be maintained by the Project for every transport of ferrous, non-ferrous scrap wastes and electrical & and electronic equipment (E-Waste). The manifest shall contain the following:
- i. The name and address of the waste generator;
 - ii. The name and description of the waste and hazard class;
 - iii. The quantity of waste being transported, and;
 - iv. The name and address of the facility designated to receive the waste.

Signed waste manifest forms shall be made available for inspection by the EPA upon request.

3.0 MANAGEMENT OF ELECTRICAL & ELECTRONIC EQUIPMENT WASTE (E-WASTE).

- 3.1 The release of Hazardous substances from Waste Electrical and Electronic Equipment (E-Waste) into the air, water, or soil is **STRICTLY PROHIBITED**.
- 3.2 Dismantling and sorting of waste electrical & electronic Equipment (E-Waste) shall be conducted on impervious surfaces.
- 3.3 Handling and storage of Waste Electrical & Electronic Equipment (E-Waste) components containing hazardous materials shall be conducted in a secure and designated ventilated area. This area shall include the following:
- i. Signage- "**E-Waste Storage Area**"
 - ii. Not exposed to direct sunlight and rainfall
 - iii. No damage components to release gases, liquids, or solid particles to the environment.
- 3.4 The hazardous components of E-Waste shall not be mixed with non-hazardous waste.
- 3.5 The disposal and burning of the hazardous components of E-Waste including plastic cables are **strictly prohibited**.
- 3.6 An inventory of Waste Electrical & Electronic Equipment (E-Waste) shall be established and maintained. The reports shall be made available for inspection by the EPA upon request.

4.0 MANAGEMENT OF FERROUS AND NON-FERROUS SCRAP WASTES

- 4.1 Ferrous scrap metal wastes shall be stored under covered areas on an impervious surface that is protected from the ingress of storm or rainwater and bonded by a contained drainage system to collect stormwater. The storage area shall be clearly demarcated and shall not be accessible to unauthorized persons.

- 4.2 Storage of ferrous scrap wastes at the Project shall be orderly with adequate distance between stockpiles.
- 4.3 Cutting of larger ferrous and non-ferrous scrap waste by torching shall at all times be conducted within the confines of the workshop.
- 4.4 The Best Available Technology (BAT) shall be implemented to remove fumes from the workshop during the torching of ferrous and non-ferrous scrap metal.
- 4.5 The base of the storage area for non-ferrous scrap waste shall be impervious. The storage area shall be clearly demarcated and shall not be accessible to unauthorized persons.
- 4.6 An inventory of ferrous and non-ferrous scrap wastes shall be established and maintained. The reports shall be made available for inspection by the EPA upon request.

5.0 MANAGEMENT OF USED LEAD-ACID BATTERIES

- 5.1 The Project shall maintain a facility for the treatment of ULABs Acid via neutralization.
- 5.2 ULABs acids shall be neutralized by mixing the acid with a base chemical such as Sodium Carbonate to attain a pH of 7.
- 5.3 Neutralizing base chemicals shall be stored in accordance with the manufacturer's directions or Safety Data Sheet (SDS) instructions.
- 5.4 Secondary containment (bund area) shall be established and maintained around storage areas of all liquid chemicals.
- 5.5 The secondary containment shall have the capacity to store 110% of the volume of the largest storage container and shall be constructed with impermeable material such as concrete.
- 5.6 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.
- 5.7 Acid spills occurring during handling or unloading operations shall be immediately cleaned, as guided by the respective Safety Data Sheet, and appropriately disposed of to prevent discharges into surface or groundwater.
- 5.8 Hazardous Sludge obtained from neutralization shall be stored within a secured, well-labelled, and bonded area. The Hazardous Sludge shall be disposed of by an EPA-

authorized disposal and treatment facility.

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 industrial limits listed below:

Industrial Limits: 100 dB during the daytime (06:00 h - 18:00 h)
80 dB during the night-time (18:00 h - 06:00 h)

Monitoring shall be conducted bi-annually by trained personnel using calibrated Type 2 Sound Level Meters. Records of all monitoring exercises shall be maintained and submitted as part of the Annual Report.

6.3 All machines/equipment shall be serviced in accordance with the manufacturer's specifications 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.

6.4 All equipment and machinery shall be placed upon foundations properly designed to ensure effective damping of vibrations.

6.5 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.

7.0 WATER QUALITY

7.1 Adhere to the provisions of the **Environmental Protection (Water Quality) Regulations, 2000.**

7.2 Disposal of untreated wastewater and residual battery acid from the Project into the surrounding drain or environment **is strictly prohibited.**

7.3 Acid spills occurring during handling or unloading operations shall be immediately cleaned, as guided by the respective Material Safety Data Sheet, and appropriately disposed of to prevent discharges into surface or groundwater.

7.4 Drainage systems around the storage and processing areas shall be maintained to prevent harmful liquids from reaching the natural soil and waterway. Water collected from the storage and processing areas via the drainage system shall be channeled to a

water-proof collection area, where accidental spillage shall be recovered and treated prior to release into the general drainage system.

8.0 WASTE MANAGEMENT

8.1 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.

8.2 Burning of waste is **strictly prohibited**.

8.3 Good housekeeping, sanitary, and hygienic practices shall be maintained at all times. The facility's drains and surroundings shall be kept free of vegetation and litter.

8.4 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).

8.5 Acid-contaminated waste shall be disposed of by an EPA-authorized Hazardous Waste Disposal Facility where applicable.

8.6 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.

8.7 Septic Tank(s) shall at all times be accessible for cleaning and de-sludging by an EPA-authorized waste disposal company.

8.8 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 occurrence of any environmental emergencies (e.g., oil spills, hazardous materials/wastes spills, 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).

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 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, odor, sound, vibration, radiation, heat, or combination of any of them).
- 9.6 Submit **Annual Reports** to the EPA on your compliance with this Environmental Permit on or before **March 31, each year**.
- 9.7 Report to the Agency any non-compliance(s) 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.
- 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.
- 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 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 10.2 and 10.3 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 for 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.
- 10.13 **This Environmental Permit (Renewed) is not the final consent; all relevant Permissions should be obtained from other regulatory bodies for continued operation.**
- 10.14 The Environmental Permit is effective for the period stipulated herein from **January 2024 to December 2028.**
- 10.15 This Environmental Permit (**Renewed**) shall remain valid until **December 31, 2028**, unless otherwise suspended, cancelled, 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 **July 31, 2028.**
- 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.

Environmental Permit (Renewed) Ref. No. 20171006-STBES
(Issued under of the Environmental Protection Act, Cap 20:05, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000)

Signed by Sharifah Lazack on behalf of the Environmental Protection Agency.
for **Kemraj Parsram**
Executive Director

Date 2024.02.07

I hereby accept the above Terms and Conditions upon which this Environmental Permit (Modified) 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	February 22nd 2024
SIGNATURE	<u>Holder</u>
DESIGNATION	Admin MANAGER

