



**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

<b>Reference No.:</b>	<b>20240723-CMSSM</b>
<b>Fee:</b>	<b>Medium (C1) - US\$500 per year</b>
<b>Fees Paid:</b>	<b>US\$2500 for Five Years (5) years – (September 2024 to August 2029)</b>
<b>Addressee:</b>	<b>Mr. Bhisham Persaud Managing Director Crown Mining Supplies Lot 9 North Road Bourda Georgetown</b>
<b>Activity:</b>	<b>Storage of Metallic Mercury</b>

Crown Mining Supplies, 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 Metallic Mercury at 1229 Eccles Industrial Site, East Bank Demerara hereinafter referred to as the “Project,” in a manner indicated in the Application for Environmental Authorisation submitted on July 23, 2024, and subject to the terms and conditions set forth herein under the Environmental Protection Act, existing and/or forthcoming Regulations made under the said Act, and/or any applicable guidelines, best practices and standards relevant to this project.

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

### **1.0 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;
  - 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.

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- 1.2 **The Permit Holder is required to submit to the EPA upon receipt, the requisite approvals from the Central Housing and Planning Authority (CH&PA) and the relevant Municipality or any other authority with jurisdiction and oversight over the Project.**
- 1.3 The Permit Holder shall submit an Emergency Response Plan (ERP) for the Storage of Mercury to the Agency for approval, which shall include but not be limited to the following areas: -
- i. Safety codes in the mercury storage area;
  - ii. Labeling;
  - iii. Inspection;
  - iv. Inventory
  - v. Mercury Spill Kit
- 1.4 The ERP shall clearly outline and identify Mechanisms, protocols and implementation schedules, responsibilities, and associated costs. The safety policy for this refinery must be clearly articulated by the company.
- 1.5 Emergency spill clean-up kits shall be obtained and maintained at the Project for response to spills. Kits must contain absorbent materials, drain seals, and other appropriate tools for clean-up. Kits must be readily available and clearly identified at the Project.
- 1.6 The Safety Data Sheet for Mercury shall be located on-site and easily accessible to staff and other officials visiting the site.
- 1.7 The Mercury Storage area shall be clearly marked with warning signs containing the following information:
- “Warning: Toxic Mercury Storage Area”**
- 1.8 The flooring in the storage area shall be covered with mercury-resistant materials, such as an epoxy coating, and should be light-colored to allow the detection of mercury droplets/ leakage.
- 1.9 A register of the quantities of mercury stored on site shall be maintained. The registered information shall be kept on-site and made available for inspection by the EPA upon request.
- 1.10 Flasks within which mercury is stored shall meet the following criteria:
- Must not be damaged from any materials previously stored in them or have contained materials that could adversely react with mercury;
  - Must not be excessively corroded;
  - Must have a protective coating (paint) to prevent corrosion;
  - Must be gas and liquid-tight.
- 1.11 Storage flask labels shall include the following information:



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- The names of the suppliers of the mercury;
- The level and purity of the mercury;
- The gross and net weight;
- The date when the mercury was injected into the flask;
- A “corrosives” label indicating that the container contains corrosive materials.

- 1.12 The Guyana Fire Service approval shall be obtained and maintained, and fire protection measures such as fire extinguishers and sand buckets shall be provided in accordance with this approval.
- 1.13 All firefighting equipment shall be maintained and serviced according to the Guyana Fire Service requirements.
- 1.14 Adhere to the requirements of the **Occupational Safety and Health Act, Cap. 99:01, Laws, of Guyana.**

## **2.0 WATER QUALITY**

- 2.1 Adhere to the provisions of the **Environmental Protection (Water Quality) Regulations, 2000.**
- 2.2 Discharge of Mercury into the surrounding waterways is **STRICTLY** Prohibited.
- 2.3 Any **mercury spills** occurring during the handling and loading of these materials, **shall be** immediately cleaned and disposed of as guided by the respective Safety Data Sheet.
- 2.4 Mercury shall not be stored outside to prevent the release of mercury into the soil or, surface water.
- 2.5 Storage area floors shall not be penetrated by any drains or plumbing to avoid trapping mercury in unwanted areas and to facilitate the collection of spills.

## **3.0 WASTE MANAGEMENT**

- 3.1 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.
- 3.2 Burning solid waste **is strictly prohibited**. All solid waste shall be disposed of by an EPA Authorised Waste Disposal Company.

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- 3.3 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).

**4.0 COMPLIANCE MONITORING AND REPORTING**

- 4.1 Notify the Environmental Protection Agency **within one (1) hour** of the occurrence of any environmental emergencies (e.g., oil spills, biohazardous 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).
- 4.2 Monitor the implementation of the conditions of this Permit, insofar as they involve adherence by your employees and all third parties under your direction.
- 4.3 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.
- 4.4 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.
- 4.5 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).
- 4.6 Submit an **Annual Report** to the EPA on your compliance with this Permit on or before **March 31, each year**.
- 4.7 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.
- 4.8 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.
- 4.9 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.





**5.0 INSTITUTIONAL AUTHORITY/ LIABILITIES**

- 5.1 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.
- 5.2 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.
- 5.3 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.
- 5.4 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 in 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.
- 5.5 The Permit Holder shall be liable to compensate any person who suffers any loss or damage as a result of contravening conditions 5.3 and 5.4 of this Environmental Permit, pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 5.6 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, of any contaminant in any amount, concentration, ultrahazardous substances, chemicals or otherwise, and shall be rendered liable to prosecution and to penalties prescribed under the Environmental Protection Act and Regulations.
- 5.7 The Permit Holder shall be liable of any gross negligence or willful 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.
- 5.8 Shall 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.
- 5.9 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.



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- 5.10 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, and the Environmental Protection (Amendment) Act, 2005, and Environmental Protection (Authorisations) Regulations, 2000.
- 5.11 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.
- 5.12 The EPA has the right to modify, cancel or suspend this Permit for breach of any of the terms and conditions contained herein.
- 5.13 **This Environmental Permit is not the final consent; all relevant Permissions shall be obtained from other regulatory bodies for continued operation.**
- 5.14 This Environmental Permit is effective for the period stipulated herein; **September 2024 – August 2029.**
- 5.15 This Environmental Permit shall remain valid until **August 31, 2029**, unless otherwise suspended, cancelled, modified, or varied, in accordance with the provisions of this Permit or the Environmental Protection Act, Cap. 20:05, Laws of Guyana, Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000.
- 5.16 This Permit shall be renewed by submitting a completed *Application Form for Renewal of Environmental Authorization* to the Agency at least six months before this Permit expires, that is, no later than **February 28, 2029.**
- 5.17 Any late submission of renewal application 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 the such obligation was first owed for renewal) at a rate of **two thousand dollars (GY\$2000.00) per day for every business day late, until the such renewal application is submitted to the Agency**, without prejudice to any other rights of the Permit Holder in connection therewith.
- 5.18 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



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of Guyana.

Signed by *Shemfah Lingsell* on behalf of the Environmental Protection Agency.



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, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000, and any existing or forthcoming regulations, guidelines, best practices and standards made under this Act.

NAME:	PARMANAND PERSAUD
DATE:	30 <sup>th</sup> Sept 2024
SIGNATURE:	<i>[Signature]</i>
DESIGNATION:	MANAGER



