



**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 Regulations, 2000)

Reference No.:	20210930-VPPME
Fees:	Medium (C1) US\$ 2500 (5 years) i.e., US\$ 500 per year
Fees Paid:	US\$ 2500 (September, 2023 to August, 2028)

**Addressee(s):** Mr Andron Alphonso  
Proprietor  
Pomeroon Oil Mill  
Lot 16 Sublot (A) Mudlot  
Kingston, Georgetown

**Activity:** Operation of a Coconut Oil Processing Facility

Mr Andron Alphonso trading and operating under the name "Pomeroon Oil Mill", hereinafter referred to as the "Permit Holder", is hereby authorised in accordance with the Environmental Protection Act, Cap. 20:05, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000, to operate a Coconut Oil Production Facility at Lot 109, Charity, Essequibo Coast, hereinafter referred to as the "Project", in a manner indicated in the Application of Environmental Authorisation submitted on September 30, 2021, and subject to the terms and conditions set forth herein and any existing or forthcoming regulations made under the said Environmental Protection Act and /or any other applicable laws, best practices, guidelines and standards relevant to this project.

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

### **1.0 OPERATION**

- 1.1 Make an application to the Agency to vary this Environmental 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

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technology serving the facility;

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

- 1.2 Ensure that good house-keeping, sanitary and hygienic practices, and the aesthetic quality of your surroundings are maintained at all times.
- 1.3 Foot baths containing a disinfectant must be maintained at the entrances of the facility and its use must be mandatory before entrance into production areas. Unauthorized persons should be prohibited from entering facility.
- 1.4 Use only pesticides that are approved for use in Guyana by the Pesticides and Toxic Chemicals Board (PTCCB).
- 1.5 Conduct all operation activities within the Pomeroon Oil Mill in accordance with measures outlined in the Approved Waste Management Plan, 2022), unless otherwise authorised by the Environmental Protection Agency (EPA).
- 1.6 Ensure the operation of all mechanical equipment is done in accordance with manufacturer's specifications. Additionally, ensure that all mechanical equipment and vehicles are regularly maintained and operated at their optimal levels.
- 1.7 Identify suitable areas for material stockpile and equipment during production.
- 1.8 Ensure that adequate rest room/areas, waste disposal and sanitary facilities for workers are provided during the operational phases.
- 1.9 Ensure that during the transportation of coconut to and from the factory and its by-products are prevented from littering the road ways and waterways.

## **2.0 WATER QUALITY MANAGEMENT**

- 2.1 Adhere to the provisions of the **Environmental Protection (Water Quality) Regulations, 2000.**
- 2.2 Ensure that discharges into the environment are in accordance with the Guyana National Bureau of Standards (GNBS) *Interim Guidelines for Industrial Effluent Discharges into the Environment* and the *IFC Environmental, Health and Safety Guidelines* and within the allowable limits for a Poultry Processing Facilities:
  - pH (5.0-9.0);

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- Total Suspended Solids (TSS <50 mg/L);
  - Biological Oxygen Demand (BOD <50 mg/L);
  - Chemical Oxygen Demand (COD <250 mg/L);
  - Fats, Oils and Grease (FOG) (< 10 mg/L);
  - Total Coliform (400 MPN/ml);
  - Total Nitrogen (< 10mg/L)
  - Total Phosphorous (<0.2 mg/L);
  - Residual Chlorine (<0.2 mg/L).
- 2.3 Further, monitor the parameters on an annual basis and submit the results to the Agency as a component of the **Annual Environmental Report required in condition 7.3.**
- 2.4 Not discharge untreated effluent directly into receiving waters. All effluent shall be treated to meet limits set out in **condition 2.2.**
- 2.5 **Submit within sixty (60) days of receipt of Environmental Permit**, a comprehensive wastewater treatment plan for approval by the Agency.
- 2.6 **Wastewater treatment system must be operationalized within ninety (90) days of receipt of approval of plan by the Agency.**
- 2.7 Promote the conservation of water resources by minimizing water consumption and reuse where possible and sealing leaks promptly.
- 2.8 Ensure that drainage network is kept free of debris and vegetation to prevent stagnation and flooding. Regular cleaning of drainage network and its immediate environs must be practiced.
- 2.9 Choose cleaning agents that do not have adverse impacts on water quality and the environment. Optimize their use through correct dosage and application.
- 2.10 Maintain an oil water separator through which all discharges from vehicle maintenance and fuel storage areas must pass before entering into receiving environment.
- 2.11 Maintain the integrity of all waterways that is leading outside of the compound and immediately surrounding the compound. Discharges should be in accordance with the Guyana National Bureau of Standards (GNBS) *Interim Guidelines for Industrial Effluent Discharge into the Environment.*

### **3.0 AIR QUALITY AND NOISE MANAGEMENT**

3.1 Comply with the provisions of the **Environmental Protection (Air Quality) Regulations, 2000 and the Environmental Protection (Noise Management) Regulations, 2000.**

3.2 Ensure that the operation is appropriately enclosed to minimize the impact of dust and ash on the receiving environment.

3.3 Comply with the Guyana National Bureau of Standards (GNBS) Guidelines for noise emission into the environment, not exceeding the limits below at a distance of 15m (50 ft) from the source or property boundary, whichever is closer.

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

3.4 Implement all possible measures, such as, ensuring equipment is serviced and operated according to manufacturer's recommendations to minimise the impact of sound levels on the environment.

3.5 Comply with the World Health Organization (WHO) Air Quality Guidelines for Particulate Matter in the Environment, not exceeding the limits below:

**PM<sub>2.5</sub>:** 10 µg/m<sup>3</sup> annual mean  
              25 µg/m<sup>3</sup> 24-hour mean

**PM<sub>10</sub>:** 20 µg/m<sup>3</sup> annual mean  
              50 µg/m<sup>3</sup> 24-hour mean

3.6 Ensure that the exhaust stack of the generators is of an appropriate height, preferably at least two (2) metres above the tallest building nearby, to minimize adverse fumes/soot impacts to the contiguous areas.

3.7 Ensure all significant noise-producing equipment, e.g. generators, milling equipment, etc., are 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 the Guyana National Bureau of Standards (GNBS) requirement.

3.8 Ensure all equipment and machinery is placed on foundation properly designed to ensure effective damping of vibrations.

#### **4.0 WASTE MANAGEMENT**

- 4.1 Comply with the provisions of the **Environmental Protection (Litter Enforcement) Regulation 2013**.
- 4.2 Promote proper solid waste management practices at Project site. Covered garbage receptacles must be placed at strategic locations, both inside and outside the Facility. All solid waste collected in bins must be appropriately stored until disposal in accordance with measures outlined in Waste Management Plan (WMP), 2022.
- 4.3 Dispose of all production waste and any other solid waste at a designated site *in* a timely manner and do not allow waste to accumulate on site.
- 4.4 Ensure that all by-products are recovered, sold or appropriately disposed of according to the Waste Management Plan, 2022 submitted to the EPA.
- 4.5 Construct and maintain a septic system on site at all times. The septic tank should be located at least one hundred (100) metres away from waterways, within 1.5 m of a building or property boundary and should be accessible for cleaning and de-sludging. Any modification to the Septic tanks 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*.

#### **5.0 HAZARDOUS WASTES/MATERIALS MANAGEMENT**

- 5.1 Comply with the provisions of the **Environmental Protection (Hazardous Waste Management) Regulations 2000**.
- 5.2 Prepare and submit to the Agency no later than **forty-five (45) days** after the end of the operating year, a report relating to the activities for the previous year (please see attached form). The report shall include:
- the name, location and type of facility;
  - types and quantities (in metric units) of hazardous waste generated;
  - manner of storage, use, any applied treatment standards/methods and disposal of these substances;
  - data concerning off-site shipments of waste, i.e., local disposal facility utilised, country to which hazardous waste is shipped, purpose of shipment and amount of waste shipped;
  - a summary of any accidents that may have occurred and any action taken;



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- any waste minimisation efforts undertaken by your facility for hazardous material/waste; and
- Any other matter the Agency may require.

The Agency considers all materials listed in **Schedules I and II** of the **Environmental Protection (Hazardous Waste Management) Regulations, 2000**, to be hazardous. (Please see attached list.)

- 5.3 Store all fuels away from ignition sources and have “**No smoking**” signs posted where fuel is handled and/or stored.
- 5.4 At **no time**, shall any pollutant, such as, fuels, waste oils or cleaning agents be released directly to drains, **Amazon Creek/Pomeroon River**, or soils. Any accidental release of pollutants must be recorded and reported to Agency **within twenty-four (24) hrs** for further investigation.
- 5.5 Maintain a fuel containment bund around **each** fuel storage tank which must be drained through an oil-water separator. The oil-water separator(s) must be adequately maintained to minimize the impact of accidental release of contaminants to waterways and/or soils.
- 5.6 **All** necessary precautionary measures must be observed during the transport of fuels to the Project site. Appropriate measures should also be taken during the handling and/or use of all Hazardous Materials/Wastes.
- 5.7 **All** fuel storage tanks must contain at least one leak detection mechanism. Options for leak detection include but are not limited to:
- overflow alarm on tank;
  - gauging system;
  - sensors on walls of tanks; or
  - electronic shut down system.
- 5.8 Corrosion control measures must be instituted to prevent/minimize the corrosion of the fuel tanks and piping systems.
- 5.9 Waste oils must be stored in tightly covered drums or barrels to avoid/minimize spillage. Waste oil containing barrels/drums must be stored in a designated area, 50 ft away from receiving waterbodies and upon an impervious base, such as concrete within a confined bund.
- 5.10 Dispose of all waste oils in accordance with the Environmental Protection Agency’s Environmental Guidelines on the ‘Removal, Treatment and Disposal of Oily Sludge (2011)’ (attached) or reuse waste oil as a lubricant for chainsaw or other equipment/machinery.

## **6.0 EMPLOYEES AND OCCUPATIONAL HEALTH AND SAFETY**

- 6.1 Comply with the requirements of the **Occupational Safety and Health Act, Cap. 99:01, Laws of Guyana.**
- 6.1.1 Provide employees with the necessary protective equipment to fit their job specifications.
  - 6.1.2 Provide first aid kit/s equipped according to the Guyana Red Cross standards.
  - 6.1.3 Provide communication and transportation systems to respond to emergencies.
- 6.2 All relevant employees must be made aware of the Conditions of this Environmental Permit, and be provided with training on the good environmental practices. Records of such training must be submitted as part of your Annual Report.
- 6.3 Provide areas for employees to wash off hands and skin, before leaving the premises.
- 6.4 Ensure employees are trained in the correct use of the equipment including the use of machine safety devices, handling/storage and emergency shutoff procedures.
- 6.5 **The application of all pesticides must be done by a certified pest control operator.**

## **7.0 COMPLIANCE MONITORING AND REPORTING**

- 7.1 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.
- 7.2 Monitor the implementation of the conditions of this Environmental Permit insofar as they involve adherence by your employees and all third parties under your direction.
- 7.3 Submit to the EPA, the **Environmental Annual Reports** on the status of the project, progress of the implementation of the monitoring activities and

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compliance with the conditions contained herein by **March 31** every year (Please see attached, the *Guidelines for the preparation of Environmental Annual Reports*).

- 7.4 Conform to all terms and conditions under which this Environmental Permit is granted and shall be liable for any loss or damage which arises from the project as a result of the Permit Holder's activities or breach of any term or condition of this Permit.
- 7.5 Inform the Agency prior to or **within thirty (30) days** of any change of name or ownership of the operation.
- 7.6 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.
- 7.7 Notify the EPA **within one (1) hour** of the occurrence of any environmental emergencies such as a sudden onset disaster, accident, natural, technological or human induced factors that cause or threaten to cause severe environmental damage as well as harm to human health or livelihood.
- 7.8 Report to the Agency any non-compliance with the Environmental Permit as follows:
  - 7.8.1 Within **twenty-four (24) hours** of the time the Permit Holder becomes aware of the non-compliance, the anticipated manner in which it may endanger human health or the environment.
  - 7.8.2 Within **seventy-two (72) hours**, submit to the Agency a written report containing a description of the non-compliance, its cause and the period of non-compliance including exact dates and time.
  - 7.8.3 Submit a report to the Agency indicating the reasons and the anticipated time it is expected to continue if the non-compliance has not been corrected.

**8.0 INSTITUTIONAL AUTHORITY/LIABILITIES**

- 8.1 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.
- 8.2 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 minimise any resulting adverse effect, pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.



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- 8.3 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.
- 8.4 The Permit Holder shall be liable to compensate any person who suffers any loss or damage as a result of contravening conditions 7.2 and 7.3 of this Environmental Permit, pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 8.5 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.
- 8.6 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.
- 8.7 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.
- 8.8 The EPA reserves the right to enter at any time the permitted facility and 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.
- 8.9 The EPA has the right to modify, cancel or suspend this Permit for breach of any of the terms and conditions contained herein.
- 8.10 **This Environmental Permit is not the final consent; all relevant Permissions should be obtained from other regulatory bodies for continued operation.**
- 8.11 This Environmental Permit is effective for the period stipulated herein; **September, 2023 to August, 2028.**

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- 8.12 This Environmental Permit shall remain valid until **August 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, Laws of Guyana, Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000.
- 8.13 This Permit must be renewed by submitting a completed Application Form for Renewal of Environmental Authorisation to the Agency at least six months before this Permit expires, that is, no later than **February 29, 2028**.
- 8.14 Any late submission of renewal application after the specified date as stated above, the Agency may require the Permit Holder to pay, in addition to renewal fee, a late penalty fee (accruing at the time 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 such renewal application is submitted to the Agency, without prejudice to any other rights of the Permit Holder in connection therewith.
- 8.15 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 *Shanfah Lazack* on behalf of the Environmental Protection Agency.



Date 2023. 08.25

*DF*



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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 Regulations, 2000, and any forthcoming regulations and standards made under this Act.

NAME:	DINDIAL SOOKHOO
DESIGNATION:	TECHNICAL ADVISOR.
SIGNATURE:	<i>Dindial Sookhoo</i>
DATE:	29/08/23





# Environmental Protection Agency

Head Office - Ganges Street, Sophia, Georgetown, Guyana.  
Tel (592) 225-6048/44 225-5471/67 Fax: (592) 225-5481  
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Linden (LEN-Building, Mackenzie) - Tel (592) 444-2313

Date: 210.45

File Copy

Date: 00230824

No. 25626

Received From: Tomeroon Oil Mill

The Sum of: Five Hundred Twenty Six Thousand One Hundred and Twenty Five Dollars \$526,125.00

For: Environmental Permit (medium) operation of coconut oil processing facility.

Cash Cheques ☒ Wire Transfer ☐ Balance due ☐

Amt. \$

Signature: [Signature]







2023-08-28

Environment Protection Agency  
Ganges St.  
Sophia, Georgetown,  
Guyana.

**Re: Authorization**

Please be informed, that Mr. Dindial Sookhoo ID# 147555140 is hereby authorized to make payment, sign and uplift Environmental Permit for Pomeroon Oil Mill Inc.

All for your information and guidance.

Thank you for your usual kind cooperation.

Yours Truly,

Andron Alphonso

Director



**Guyana Identification Card**

Surname  
**SOOKHOO**

Forenames  
**DINDIAL**

Sex **M** Date of Birth **17 Jan 1960**

Nationality  
**GUYANESE**

Date of Issue **15 Jan 2013**

Signature *[Signature]* Identity No. **147555140**

**GUYANA ID GUYANA ID GU**

**Replacement**

Identity No.  
**147555140**

Height **163 cm**

Colour of Eyes **BROWN**

Distinguishing Marks  
**NONE**

*[Signature]*  
Commissioner,  
National Registration

**GUYANA ID GUYANA ID GU**

