



**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.:	20050928- BDTME
Fee:	Medium (C1) - US\$500 per year
Fee Paid:	US\$500 for One year (September, 2022 to August, 2023)
Addressee:	Mr. Burt Denny Tandy's Manufacturing Inc. Lot 34, Block 'DD' Eccles Industrial Site East Bank Demerara.
Activity:	Manufacturing of Food Products

Tandy's Manufacturing 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, for the Manufacturing of Food Products at Lot 34, Block 'DD', Eccles Industrial Site, East Bank Demerara, hereinafter referred to as the "Project", in a manner indicated in the Application for Renewal of Environmental Authorisation submitted on May 25, 2022, and subject to the terms and conditions set forth herein under the Environmental Protection Act, Cap. 20:05, Laws of Guyana, existing and/or forthcoming Regulations made under the said Act, and/or any applicable laws, guidelines, best practices and standards relevant to this project.

This is a Renewal of Operation Permit, Reference No: 20050928- BDTME issued on July, 2021 and expired June, 2022.

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

1.0 OPERATIONS

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

- v. discharge of effluents; or
- v. effect any other change outlined in 20(3) of the Environmental Protection (Authorisations) Regulations.

- 1.2 Fire prevention and control equipment shall be maintained in accordance with the Guyana Fire Service Approval.
- 1.3 All employees and third parties under Tandy's direction shall be made aware of the conditions of this Environmental Permit (Renewed) and shall be provided with training on sound environmental practices.
- 1.4 Adhere to the requirements of the **Occupational Safety and Health Act, Cap. 99:01, Laws of Guyana.**
- 1.5 Emergency spill clean-up kits shall be 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 Emergency Spill Response Plan shall be maintained on-site and shall be made available to the EPA upon request. The Plan shall include, but not be limited to procedures for addressing all possible emergencies including spills and fires, local emergency response authorities, notification of national and local authorities, coordination of clean-up activities and assessment of health hazards to humans and the environment.
- 1.7 Fuel (diesel) shall be stored in a designated area, at least 10 meters away from watercourses on an impervious base to minimize adverse impacts to the environment in the event of spillage.
- 1.8 Fuel shall be stored away from ignition sources.
- 1.9 Secondary containment around fuel storage containers shall provide containment sufficient to contain at least 110% of the contents of the largest storage container.
- 1.10 Containment bunds shall remain sealed at all times.

2.0 MANUFACTURING OF FOOD PRODUCTS

- 2.1 Flow diagrams of the manufacturing process shall be clearly posted on the walls of the areas where manufacturing operations are occurring.
- 2.2 The following warning signs shall be maintained at the Project:
 - i. Authorized Personnel Only
 - ii. Read and follow all label directions
 - iii. No Smoking
 - iv. Exit

- v. Entrance
- vi. Fire Safety Equipment

2.3 Inspection, maintenance, and repairs of all equipment used at the facility, including fittings, pipes, and hoses shall be conducted in accordance with the Maintenance Procedure and made available to the EPA upon request.

3.0 STORAGE OF CHEMICAL - CAUSTIC SODA

3.1 Chemicals (e.g food additives and food preservatives) shall be stored in accordance with the manufacturer's directions or Materials Safety Data Sheet (MSDS) instructions.

3.2 Materials Safety Data Sheets for all chemicals shall be readily available and easily accessible at all times during the Project.

3.3 Chemical containers shall be clearly labelled in accordance with the Globally Harmonized System of Classification and Labelling. The following must be evident:

- i. Signal Word
- ii. GHS Symbols- (Hazard Pictograms)
- iii. Manufacturer Information
- iv. Precautionary Statements/ First Aid
- v. Product Name or Identifiers

3.4 Chemicals stored in ton bags and totes shall:

- i. Be protected from UV rays;
- ii. Be covered to prevent exposure to dirt, dust, and moisture; and
- iii. Not hang over the side of pallets used for stacking.

3.5 Chemicals **shall not** be stored on damaged, or inadequately secured racking or on damaged pallets.

3.6 A register of the quantities of chemicals stored at the Project shall be maintained. A summary of the registered information shall be submitted to the Agency as part of the **Annual Report**.

3.7 All employees involved in the management of chemicals shall be trained on Hazardous Material Communication and Emergency Preparedness Response. The annual training schedule shall be submitted to the Agency as part of the **Annual Report**.

3.8 Emergency exits shall be clearly marked and shall not be obstructed by material storage containers.

4.0 WATER QUALITY

- 4.1 Adhere to the provisions of the **Environmental Protection (Water Quality) Regulations, 2000.**
- 4.2 Storm water discharge shall be directed away from the Project.
- 4.3 Untreated effluent discharge from the project into the surrounding environment is strictly prohibited.
- 4.4 A strainer shall be utilised to capture waste residual matter such as silt when washing fruits and nuts.
- 4.5 Effluent discharge shall be in accordance with the Guyana National Bureau of Standards (GNBS) *Interim Guidelines for Industrial Effluent Discharge into the Environment*. The following allowable limits should not be exceeded:

Parameter	Maximum Allowable Concentration	Units	Sample Type
Residual Chlorine	<3	mg/L	Grab
pH	5.0 – 9.0	mg/L	Grab
Nitrogen	10	mg/L	Grab
Biochemical Oxygen Demand (BOD ₅)	<50	mg/L	Grab
Total Suspended Solids (TSS)	<50	mg/L	Grab
Phosphorus	<2	mg/L	Grab
Chemical Oxygen Demand	<250	mg/L	Grab

- 4.6 The Permit Holder shall prepare and submit to the EPA for approval by **December 31, 2022**, a sampling and monitoring plan for water quality monitoring. The plan shall consider the parameters above and include but are not limited to the frequency and location. Monitoring shall be conducted during normal operations by trained personnel utilizing calibrated equipment. The analysis of the samples shall be conducted by an accredited and certified laboratory.
- 4.7 Excessive or inappropriate use of cleaning chemicals shall be avoided. The use of biodegradable/water-based cleaning products is encouraged.

- 4.8 Drainage systems shall be maintained to handle the probable maximum precipitation storm event.

5.0 NOISE MANAGEMENT

- 5.1 Adhere to the provisions of the **Environmental Protection (Noise Management) Regulations, 2000.**
- 5.2 All significant noise-producing equipment, such as generators, shall be equipped with silencers or mufflers and/or be 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.
- 5.3 Noise emissions shall be monitored at the boundaries of the property to determine compliance with Guyana National Bureau of Standards (GNBS) Guidelines for Noise Emissions into the Environment.

Industrial Limits: 100 dB (Day-time (06:00 h -18:00 h))
80 dB (Night- time (18:00 h - 06:00 h))

- 5.4 Noise quality monitoring shall be conducted annually during normal operations by trained personnel utilising calibrated Type 2 Sound Level Meters. Noise quality test results shall be submitted to the Agency as part of the Annual Report.
- 5.5 All equipment and machinery shall be placed upon foundations properly designed to ensure effective damping of vibrations.

6.0 AIR QUALITY

- 6.1 Adhere to the provisions of the **Environmental Protection (Air Quality) Regulations, 2000.**
- 6.2 Good housekeeping practices shall be implemented to avoid or minimize the accumulation of dusty materials at Tandy's Manufacturing Enterprise that have the potential to become airborne, and to promptly clean-up spilled or accumulated materials.
- 6.3 All equipment e.g., generator, capable of causing, or preventing, emissions shall be maintained in accordance with the manufacturer's instructions. An annual maintenance schedule shall be submitted with the annual report.
- 6.4 Idling of equipment or vehicles shall be limited, as far as practical and all equipment or vehicles switched off when not in use.
- 6.5 Complaints of excessive noise, dust, and vibrations stakeholders shall be recorded,

investigated, and addressed promptly. Records of complaint investigation shall be submitted to the EPA **within 24 hours of investigation**.

- 6.6 In the event of equipment malfunction or **inefficiencies** that may result in visible emissions to air or, in the event of the malfunction leads to abnormal emissions, the operator shall:
- investigate and undertake remedial action **immediately**;
 - adjust the process or activity to minimize those emissions; and
 - record the events and actions taken. This shall be submitted in the annual report.

7.0 WASTE MANAGEMENT

- 7.1 In accordance with the Environmental Protection (Litter Enforcement) Regulations, 2013, promote good sanitation and solid waste disposal practices on site. Covered garbage receptacles shall be placed upon impervious bases at strategic locations, both within and outside the facility.
- 7.2 Burning solid waste is strictly prohibited. All solid waste shall be disposed of by an EPA Authorised Waste Disposal Company.
- 7.3 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).
- 7.4 Waste minimization and the reuse and/or recycling of waste and other materials shall be promoted where practical.
- 7.5 Waste oil **shall not** be stored at the Project.

8.0 COMPLIANCE MONITORING AND REPORTING

- 8.1 Notify the Environmental Protection Agency **within one (1) hour** of the occurrence of any environmental emergencies (e.g. 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).
- 8.2 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 schedule shall be submitted in the **Annual Report**.
- 8.3 Monitor the implementation of the conditions of this Permit, insofar as they involve adherence by your employees.
- 8.4 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.

- 8.5 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.
- 8.6 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).
- 8.7 Submit an **Annual Report** to the EPA on the progress of the operation and compliance with the conditions under which this Permit was granted on or before **March 31, each year**.
- 8.8 Report to the Agency any non-compliance(s) with the Environmental Permit (Renewed):
- i. Within **twenty-four (24) hours** of the time the Holder of the Environmental Permit becomes aware of the non-compliance, 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.
- 8.9 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.
- 8.10 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.

9.0 INSTITUTIONAL AUTHORITY/ LIABILITIES

- 9.1 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.
- 9.2 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.
- 9.3 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.

- 9.4 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 (Renewed), pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 9.5 The Permit Holder shall be liable to compensate any person who suffers any loss or damage as a result of contravening conditions 8.3 and 8.4 of this Environmental Permit (Renewed), pursuant to s. 19 of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 9.6 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.
- 9.7 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.
- 9.8 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.
- 9.9 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.
- 9.10 The EPA reserves the right to conduct regular inspections of the Permit Holder's construction 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.
- 9.11 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.
- 9.12 The EPA has the right to modify, cancel or suspend this Permit for breach of any of the

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terms and conditions contained herein.

- 9.13 **This Environmental Permit (Renewed) is not the final consent; all relevant Permissions should be obtained from other regulatory bodies for continued operation.**
- 9.14 This Environmental Permit (Renewed) is effective for the period stipulated herein; **September, 2022 to August, 2023.**
- 9.15 This Environmental Permit (Renewed) shall remain valid until **August 31, 2023**, 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, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000.
- 9.16 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 **March 31, 2023.**
- 9.17 Any late submission of renewal application (s) after the specified date as stated above, may require the Permit Holder to pay, in addition to 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.
- 9.18 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


Mr. Kemraj Parsram
Executive Director

on behalf of the Environmental Protection Agency

Date

8.9.2022

I hereby accept the above terms and conditions upon which this Environmental Permit (Renewed) is granted and agree to abide by the

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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	Tandika Denny - Pugsley
DATE	2022/09/26
SIGNATURE	T Denny - Pugsley
DESIGNATION	Manager

