



**Environmental  
Protection  
Agency**

Ganges Street, Sophia,  
Georgetown, GUYANA  
Tel.: (592)-225-5467-9  
Fax: (592)- 225-5481  
Email: [epa@epaguyana.org](mailto:epa@epaguyana.org)  
Website: <http://www.epaguyana.org>

## **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 (Authorisation) Regulations, 2000)

Reference No.:	20171219-ESSCJ
Fees:	Medium (C3) – US\$1,100 per year
Fees Paid:	US\$5,500 (June, 2023 – May 30, 2028)

**Addressee(s):** Mr. Alistair Routledge  
President  
Esso Exploration and Production Guyana Ltd.  
86 Duke Street  
Kingston  
Georgetown, Guyana

**Activity:** Geotechnical Survey – Canje Block, Offshore, Guyana

Esso Exploration and Production Guyana Limited (EEPGL), hereinafter referred to as the “Permit Holder”, is hereby authorised by the Environmental Protection Agency (EPA) in accordance with the Environmental Protection Act, Cap 20:05, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, and its accompanying Regulations to undertake Geotechnical Surveys within the Canje PPL, hereinafter referred to as the “Project”, which includes but is not limited to acquisition of surface water samples and biodiversity samples, acquisition of mudline samples using a Box Corer, acquisition and field processing of insitu Piezocone Penetration Tests (PCPT) and Ball Penetration Testing (BPT) data, and acquisition of Piston Core samples, in the manner indicated in the Application for Renewal of an Environmental Authorisation submitted on January 17, 2023, and subject to the terms and conditions set forth herein and any existing or forthcoming regulations, best practices, approvals, directives, guidelines and standards relevant to this project.

Operation Permit, Reference Number 20171219-ESSCJ, issued on February 08, 2018, and expired on January 31, 2023, has now been renewed and

**deemed an Environmental Permit (Renewed), and is issued pursuant to the Environmental Protection (Authorisations) Regulations, 2000.**

**Terms and Conditions for the operation to adhered to by the Permit Holder, his Servant(s), Agent(s) and/or Sub-contractor(s):**

**1.0 GENERAL**

1.1 The Permit Holder shall notify the Agency in writing and obtain its approval for **ANY** proposed changes to the operation at least **twenty-one (21) calendar days** prior to making the change. The notification shall contain a description of the proposed change in operation. It is not necessary to make such a notification if an application to vary this permit has been made and the application contains a description of the proposed change. In this condition 'change in operation' may include but not be limited to the following:

- a. a change in the nature or functioning of the facility;
- b. an extension, or any additional installation, which may have consequences for the environment;
- c. changes in vessels, equipment, technology, or survey method(s);
- d. installation of new equipment, machines, apparatus, mechanisms, systems or technologies serving the facility or operation (excluding those installed for the purpose of routine maintenance);
- e. changes to equipment, machines, apparatus, mechanisms, systems or technologies serving the facility or operation (excluding those changes conducted for the purpose of routine maintenance);
- f. changes in activities not stipulated in this Permit; and
- g. any variance prescribed by Regulation 20(3) of the Environmental Authorisations Regulations, 2000.

1.2 Any Approval issued in accordance with Condition 1.1 may be issued subject to such further terms and conditions as the Agency deems appropriate, and such further terms and conditions shall be considered as forming part of the present Permit so that any breach or contravention thereof, shall be considered a breach or contravention of the Permit.

1.3 The Permit Holder shall comply with all applicable laws, regulations and guidelines, including but not limited to the following:

- a. Environmental Protection Act, Cap 20:05, Laws of Guyana and associated Regulations;
- b. Maritime Zone Act (2010);
- c. Wildlife Management and Conservation Act (2016);
- d. Wild Birds Protection Act (1987);
- e. Species Protection Regulations (1999);

- f. Laws and regulations enacted by Guyana to implement the National Policy Framework; and
- g. International Conventions and Protocols.

## **2.0 GEOTECHNICAL SURVEY**

2.1 The Permit Holder shall limit the Geotechnical Survey to the following objectives within the boundaries of the survey area as identified in the Project Summary for Renewal of Environmental Authorisation dated March 29, 2023:

- a. Determination of physical surface and subsurface characteristics, and soil sampling employing:
  - i. Piston cores or Vibro-cores (PC or VC);
  - ii. Box cores/grab samples;
  - iii. Piezocone penetration tests (PCPT);
  - iv. Multi-beam echo sounder (MBES);
  - v. Side scan sonar (SSS);
  - vi. Sub-bottom profiler (SBP);
  - vii. Towed sparker; and
  - viii. Magnetometer equipment using both survey vessel and an autonomous underwater vehicle (AUV).
- b. Environmental Baseline Survey (EBS):
  - i. Box cores;
  - ii. Water samples; and
  - iii. CTD (conductivity, temperature, and depth) Profiling.

2.2 The Permit Holder shall notify the Agency in writing at least **thirty (30) days** prior to the conduct of any planned survey activity. The notification must include but not be limited to the:

- a. type and scope of the survey to be conducted;
- b. survey schedule; and
- c. Global Positioning System (GPS) coordinates of the proposed sampling location(s) and survey boundaries.

2.3 The Permit Holder shall ensure that surveys are not conducted outside of the authorised boundaries of the surveys and beyond the authorised time period for the survey. Should the survey extend beyond the survey schedule or survey boundaries, the Permit Holder shall notify the Agency in writing prior to the continuation of the survey and provide a justification for the updated survey schedule and survey boundaries.

2.4 The Permit Holder shall avoid conducting activities in areas that may interfere, disturb, induce injury or result in the death of any threatened, endangered or protected species.

- 2.5 The Permit Holder shall adhere to the Joint Nature Conservation Committee (JNCC) Guidelines (2017) during the conduct of Project activities.
- 2.6 The Permit Holder shall employ trained Marine Mammal Observers (MMOs) or Protected Species Observers (PSOs) during the conduct of surveying activities.
- 2.7 The Permit Holder shall verify by GIIP that the mitigation zone (500 meters) is clear of marine mammals and marine turtles before commencing operations.
- 2.8 The Permit Holder shall provide standing instructions to each Project vessel masters to reduce their speed within 300 meters (984 feet) of observed marine mammals and marine turtles, and to not approach the animals closer than 100 meters (328 feet).
- 2.9 The Permit Holder shall provide standing instruction to each Project vessel masters to avoid any identified rafting seabirds when transiting to and from Project Development Area.

### **3.0 RESEARCH VESSEL**

- 3.1 The Permit Holder shall ensure that lighting on the vessels comply with the International Maritime Organization's regulations and/or GIIP.
- 3.2 The Permit Holder shall direct the light from the Project vessels to required operational areas, rather than to the sea surface or skyward, where practicable.
- 3.3 Equipment on board (engines, compressors, generators, sewage treatment plant, oil-water separators, etc.) shall be checked and maintained in accordance with manufacturer's guidelines to maximise efficiency and minimise malfunctions.
- 3.4 The Permit Holder shall ensure screening is provided for seawater intakes to avoid entrainment and impingement of marine flora and fauna.

### **4.0 NOISE AND AIR QUALITY MANAGEMENT**

- 4.1 Comply with the provisions of the **Environmental Protection (Noise Management) Regulations, 2000** and the **Environmental Protection (Air Quality) Regulations, 2000**.
- 4.2 The Permit Holder shall require all sound-making devices that emit sound levels above the applicable Occupational Safety and Health Administration (OSHA) standard(s), are retrofitted with appropriate and effective noise reducing devices.
- 4.3 The Permit Holder shall ensure that appropriate and effective hearing protection devices are provided to all individuals working within the vicinity of sound-making devices.

- 4.4 The Permit Holder shall implement the necessary engineering controls, administrative controls and training, in accordance with GIIP, to protect human health and the environment from noise-induced harm and injury.
- 4.5 The Permit Holder shall operate all mechanical equipment in accordance with manufacturer's specifications.
- 4.6 The Permit Holder shall implement environmentally-effective and technically feasible best practices, in accordance with the GIIP, to maximize energy efficiency, minimize atmospheric emissions and reduce fugitive emissions, on all Project vessels.
- 4.7 The Permit Holder shall utilize only low-sulfur fuels (less than 0.5% sulfur content) on all Project vessels.
- 4.8 The Permit Holder shall ensure that there is no use of chlorofluorocarbons (CFCs) and polychlorinated biphenyls (PCBs) in execution of the Project.
- 4.9 The Permit Holder shall ensure that there is no discharge of ozone-depleting substances (ODS) in accordance with the International Convention for the Prevention of Pollution from Ships (MARPOL 73/78) Annex VI.
- 4.10 The Permit Holder shall submit in the End of Survey Report (using the Agency's Form for Reporting and Record Keeping for Air Emissions), an air quality monitoring report detailing emissions data on air contaminants generated from the Project. Contaminants reported on shall include, but not be limited to particulate matter, sulphur oxides (SOx), volatile organic compounds (VOCs), ozone depleting substances (ODSs), nitrogen oxides (NOx), carbon monoxide (CO), carbon dioxide (CO<sub>2</sub>) and carbon dioxide equivalent (CO<sub>2</sub>e).

## **5.0 WATER QUALITY MANAGEMENT**

- 5.1 Comply with the provisions of the **Environmental Protection (Water Quality) Regulations, 2000**.
- 5.2 The Permit Holder shall not discharge contaminants into the marine environment unless authorised, in keeping with prescribed limits, and in accordance with GIIP.
- 5.3 The Permit Holder shall ensure that discharges into the marine environment from operations are undertaken in a manner that does not cause or permit the entry of contaminants into the environment in amounts, concentrations or levels in excess of that prescribed by any directive or GIIP.
- 5.4 The discharge of any pollutant/contaminant in territorial waters is **strictly prohibited** (i.e., twelve (12) nautical miles). At no time, in territorial waters, should drilling fluids, cuttings or coring fluid be discharged on the sea bed. Instead, they are to be collected, properly transported, stored and recycled or treated, prior to disposal onshore at a facility approved by the Agency.

- 5.5 The Permit Holder shall utilise **only** low-toxicity International Oil and Gas Producers (IOGP) Group 3 base fluid (polycyclic aromatic hydrocarbons <0.001% by weight and total aromatic content <0.5% by weight) for coring sections requiring non-aqueous drill fluid (NADF).
- 5.6 Prohibit discharges generated using drilling fluids, which contain conventional mineral oil (IOGP Group 1), except when the mineral oil is used as a carrier fluid (transporter fluid), or lubricity additive.
- 5.7 The Permit Holder shall report the type, composition, composition concentrations, and volume of drilling fluids and drill cuttings discharged. The times, dates and duration of discharges shall also be reported. The information must be submitted in the End of Survey Report.
- 5.8 The Permit Holder shall ensure that all containers containing hydrocarbons, chemicals, drilling fluids, and hazardous materials are placed inside an impervious berm or otherwise protected to contain spills.
- 5.9 The Permit Holder shall report the following for each coring system in the End of Survey Report:
- a. base (generic) drilling fluid type;
  - b. product name and total amount (volume or weight) of each constituent in discharged drilling fluid;
  - c. total volumes of drilling fluids discharged; and
  - d. number of days of discharge.
- 5.10 The Permit Holder shall report the estimated maximum concentration of each constituent in the discharged drilling fluid, if no toxicity test is conducted on the drilling fluid system. Information must be contained in the End of Survey Report.
- 5.11 Each Project vessel shall abide by the International Convention for the Prevention of Pollution from Ships (MARPOL), the International Maritime Organization (IMO) Guidelines including the International Convention for the Control and Management of Ship's Ballast Water and Sediments (2004).
- 5.12 The Permit Holder shall treat bilge water from each Project vessel in accordance with MARPOL 73/78 requirements to achieve an oil-in-water content of **<15 ppm** (parts per million). Submit the oil-in-water content of each Project vessel's bilge water discharge as a component of the Monthly Report.
- 5.13 The Permit Holder shall not discharge wastewater from the on-board Sewage Treatment Plant of each Project vessel unless it complies with the aquatic discharge standards as set out in MARPOL 73/78 regulations.
- 5.14 The Permit Holder shall ensure that the residual chlorine concentration of each treated sewage discharged from each Project vessel is below **0.5 mg/L** in

accordance with MARPOL 73/78 regulations. Submit the residual chlorine concentration of each sewage discharged from each Project vessel as a component of the Monthly Report.

- 5.15 The Permit Holder shall ensure that all discharge from the oily/bilge separator from each Project vessel is in accordance with Annex IV of MARPOL 73/78 requirements.
- 5.16 The Permit Holder shall perform daily inspections to ensure that there are no floating solids or discolouration of the surrounding waters and shall submit to the Agency a report detailing its observations as part of the Monthly Report.
- 5.17 The Permit Holder shall ensure that there is no oil sheen from any effluent discharge stream originating from Project vessels.
- 5.18 The Permit Holder shall adhere to operational controls regarding material storage, wash-downs and drainage systems.
- 5.19 The Permit Holder shall not discharge diesel oil, halogenated phenol compounds, or chrome lignosulfonate.
- 5.20 The Permit Holder shall ensure that leak detection mechanisms and monitoring, in accordance with GIIP, are in place for the equipment, treatment and storage facilities on Project vessels.

## **6.0 WASTE MANAGEMENT**

- 6.1 Adhere to the provisions of the **Environmental Protection (Hazardous Waste Management) Regulations, 2000.**
- 6.2 The Permit Holder shall ensure effective management and disposal of all wastes and recoverable materials generated by the project in accordance with GIIP, the Environmental Protection Act, Cap. 20:05, Laws of Guyana and the most recently Agency approved Waste Management Plan.
- 6.3 The Permit Holder shall implement best practices and best available techniques (BAT) as outlined in the World Bank Group Environmental, Health and Safety (EHS) General Introduction Guidelines (2007) and Environmental Health and Safety Guidelines for Offshore Oil and Gas Development (2015).
- 6.4 The Permit Holder shall record any accidental release of waste into the marine environment and corrective actions implemented. The notification as required herein shall be submitted to the Agency within **twenty-four (24) hours** of the release.
- 6.5 The Permit Holder shall implement lifting and transfer procedures to cater for the retrieval of any waste accidentally released overboard, if reasonably practical.

- 6.6 The Permit Holder shall ensure that the person(s) responsible for each Project vessel, maintain a Garbage Management Plan and Garbage Record Book detailing the manner in which waste is managed and disposed. The Garbage Management Plan shall include all information as per Annex V of MARPOL regulations (including waste type, quantity stored on-board, waste delivered ashore, amount of waste generated, and waste discharged at sea) and be kept on each Project vessel.
- 6.7 The Permit Holder shall ensure that weekly inspections of the waste storage areas and container(s) aboard each Project vessel, are conducted. A log detailing the findings of these inspections shall be maintained and submitted to the Agency upon request.
- 6.8 The Permit Holder shall ensure that the transport of all hazardous waste offsite for treatment and/or disposal is accompanied by a manifest which includes the name and address of waste generator, name and description of the waste and hazard class and type of containers, quantity transported and name and address of receiving facility, and the signatures of the hazardous waste generator and transporter. The manifest required herein shall be submitted to the Agency in the Monthly Report.
- 6.9 The Permit Holder shall manage and dispose of putrescible waste in accordance with Annex V of MARPOL 73/78, Regulations for the Prevention of Pollution by Garbage from Ships.
- 6.10 The Permit Holder shall not dispose of equipment, cables, chains, containers, or other like materials in the marine environment.
- 6.11 The Permit Holder shall ensure that materials, equipment, tools, chains, containers, spools, reels, drums and other items used which are of such shape or configuration that they are likely to snag or damage fishing devices are:
- a. kept in a suitable storage area or a marked container when not in use, or prior to transport;
  - b. recovered after use and securely stored until suitable disposal is accomplished; and
  - c. tracked during transport and disposal using the appropriate manifest form.
- 6.12 The Permit Holder shall keep a record of any of the items described in Condition 6.10 that are lost overboard and shall submit said record to the Agency, in the Monthly Report.

- 6.13 The Permit Holder shall handle, store, and dispose sewage and sullage in accordance with Annex IV of MARPOL 73/78, Regulations for the Prevention of Pollution by Sewage from Ships.
- 6.14 The Permit Holder shall require that the person(s) responsible for each Project Vessel, maintain an Oil Record Book to document the manner in which sludge, oil, bilge water, waste oil, etc., are disposed, in accordance with MARPOL 73/78 requirements.
- 6.15 The Permit Holder shall manage and dispose of all food waste in accordance with MARPOL 73/78 requirements prior to discharge.

#### **7.0 EMPLOYEES AND PERSONAL SAFETY**

- 7.1 Operate in accordance with the **Occupational Safety and Health Act, No. 32 of 1997**.
- 7.2 The Permit Holder shall provide specialised training, equipment, and standard operating procedures for employees in all aspects of the operation. Standard operating procedures shall be complied with to ensure compliance with this Permit and shall be made available to the Agency upon request.
- 7.3 The Permit Holder shall conduct the necessary operational and preventative routine maintenance activities on all Project vessels, and submit a tentative schedule outlining the planned maintenance activities on request by the Agency.
- 7.4 The Permit Holder shall ensure that the employees must, at all times, be equipped with the necessary protective gear to job specification.
- 7.5 The Permit Holder shall make all employees aware of the conditions of the Permit and provide training on good environmental management practices.
- 7.6 The Permit Holder shall employ a Health Safety and Environmental Officer, or establish a health and safety Committee, who would be responsible for the implementation of the terms and conditions of this Permit.
- 7.7 The Permit Holder shall conduct a Hazard and Operability (HAZOP) Analysis and a Hazard Identifications (HAZID) Study which identify potential hazards or operability problems in all systems that can lead to a process upset and submit reports of same on request by the Agency.
- 7.8 The Permit Holder shall provide and maintain adequate fire protection measures, in accordance with guidelines established by the Guyana Fire Service and/or good international industry practice.
- 7.9 The Permit Holder shall implement safeguards to prevent, control and mitigate all hazards which accompany operations.

## **8.0 COMPLIANCE MONITORING AND REPORTING**

- 8.1 The Permit Holder shall monitor the implementation of the conditions of this Permit, insofar as they involve adherence by employees and all other third parties under the Permit Holder's direction.
- 8.2 All submissions on analyses, contaminant reports, discharges or any other environmental data shall be submitted in both a printed copy and in an editable electronic copy.
- 8.3 The Permit Holder shall report to the Agency, any non-compliance with the Permit, within **twenty-four (24) hours** of the time the Permit Holder (or third parties) becomes aware of the said non-compliance, outlining the anticipated manner in which it may endanger human health or the environment.
- 8.4 Within **seventy-two (72) hours** of the awareness of the non-compliance, the Permit Holder shall submit to the Agency, a written report containing a description of the non-compliance, its causes, the period of non-compliance including exact dates and times known at the time of reporting, and the anticipated time it is expected to continue if the non-compliance has not been corrected within seventy-two (72) hours.
- 8.5 In the event of a discharge or spill of any contaminant into the water or on land must comply with the polluter pays principle and is therefore responsible for eliminating or controlling the discharge/spill, cleaning up to the extent practicable, and remediating any resulting damage, and monitoring of the impact and taking appropriate measures to prevent, reduce and or mitigate impacts, consistent with the National Oil Spill Contingency Plan, the OSRP, and the Environmental Protection Act.
- 8.6 The Permit Holder shall notify the Agency within **twelve (12) hours** of the discovery of any emergency, which emergency shall include but not be limited to:
- a. the accidental or unintended discharge of contaminants greater than five (5) imperial gallons;
  - b. sudden onset disaster;
  - c. an accident; or
  - d. any other occurrence, whether induced by natural, technological or human factors, which causes or threatens to cause severe environmental damage and harm to human health and livelihood.
- 8.7 The Permit Holder shall submit an "*Incident Notification Form for Spills in Offshore Operations*" using the most recent template to the Agency, **within forty-eight (48) hours** of any discharge of contaminants amounting to **five (5) imperial gallons or more**. A follow-up incident notification form shall be

- submitted within **seventy-two (72) hours** of the submission of the initial notification form **(a total of five days after the discharge of contaminants)**.
- 8.8 The Permit Holder shall record and report to the Agency, on a monthly basis, all near misses, spills and unwanted or accidental discharges, amounting to less than five (5) gallons.
- 8.9 The Permit Holder shall provide the finances, equipment and technical capacity to adequately and, in accordance with International Petroleum Industry Environmental Conservation Association (IPIECA), API Standards and Recommended Practices, or GIIP, appropriately, respond to any emergency that may occur as a result of the execution of the Project.
- 8.10 The Permit Holder shall inform the Agency of research vessel(s) selected to conduct the survey, and submit the following documents at least **thirty (30) days** prior to the commencement of any surveying activities:
- a. Oil Spill Response Plan and Emergency Preparedness Plan.
  - b. Ship Energy Efficiency Management Plan.
  - c. Garbage Management Plan.
  - d. Ballast Water Management Plan.
  - e. Vessel Certificates:
    - i. Energy Efficiency Certificate.
    - ii. Certificate Concerning the Prevention of Pollution by Garbage.
    - iii. International Oil Pollution Prevention Certificate.
    - iv. Sewage Pollution Prevention Document of Compliance.
- 8.11 The Permit Holder shall submit to the Agency, a No-objection issued by the Guyana Telephone and Telegraph (GTT) Company for the Geotechnical Survey with respect to the Suriname Guyana Submarine Cable System (SGSCS) at least **fourteen (14) days** prior to the commencement of any surveys.
- 8.12 The Permit Holder shall submit a Monthly Report to the Agency on the activities of the previous month, progress of the operation and compliance with the conditions under which this Permit was granted on or before the **10<sup>th</sup> day of each month**. The Monthly Report shall be submitted in both printed and electronic copies and must include but may not be limited to:
- a. a report to demonstrate compliance with the limits set out in Conditions 5.12 and 5.14, respectively;
  - b. a consolidated report on the daily inspections required by Condition 5.16;
  - c. a report of wastes stored aboard each Project vessels;
  - d. copies of waste manifests and chain of custody forms for all waste (including hazardous waste) generated and transported from each Project vessel;

- e. a report on any of the items described in Condition 6.10 that are lost overboard;
- f. a report on spills amounting to less than five (5) gallons;
- g. any other matter this Permit requires to be concluded in this Report; and
- h. any other matter the Agency may require.

8.13 The Permit Holder shall submit an End of Survey Report within **sixty (60) days** following the completion of each Survey. The Report shall be submitted in both printed and electronic copies and must include but not be limited to the following:

- a. A record of all marine mammals, protected species, and marine turtle observations and respective mitigation actions, including:
  - i. the location (GPS), date and start time of the survey;
  - ii. name, qualification and experience of the MMOs;
  - iii. the location (GPS), time and reasons when observations were hampered by poor visibility or high winds;
  - iv. the location (GPS) and time when any start-up delays, power downs or stop work procedures were initiated due to marine mammal and marine turtle, threatened or endangered species sightings;
  - v. the location (GPS), time and distance of any marine mammal, marine turtle, threatened or endangered species sighting including species where possible; and
  - vi. the date and time when the survey was completed.
- b. A report on the activities undertaken including:
  - i. Identification information of the facility;
  - ii. Types and quantities of hazardous waste generated;
  - iii. Date concerning off-site shipments of wastes;
  - iv. Applied waste treatment standards;
  - v. A summary of any accidents and any action taken;
  - vi. Any waste minimisation efforts undertaken; and
  - vii. Any other matter the Agency may require.

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

- c. A report on the quantity of Aquagel and Barite utilised during the coring operations of the Geotechnical Survey (if used).

## **9.0 LIABILITY FOR POLLUTION DAMAGE**

- 9.1 The Permit Holder is liable for all costs associated with clean up, restoration and compensation for any damages caused by any discharge of any contaminant,

including the cost of all investigations into pollution incidents or discharge of contaminants, conducted at the instance of Agency.

- 9.2 The Permit Holder shall compensate any person who suffers any loss or damage as a result of any contravention of section 19(1), in accordance with section 19(3)(e) of the Environmental Protection Act Cap. 20:05, Laws of Guyana.
- 9.3 The Permit Holder, his Servants and/or Agents shall be liable for any material or serious environmental harm caused by their pollution of the environment in accordance with section 39 (2) and (4) of the Environmental Protection Act, Cap. 20:05, Laws of Guyana.
- 9.4 The Permit Holder, his Servants and/or Agents shall be jointly and severally liable for any negligence or willful misconduct which causes harm to the environment, biodiversity, protected species and natural habitat
- 9.5 The terms and conditions of this Permit are binding upon the Permit Holder and the Permit Holder is responsible for any violations hereunder. The Permit Holder shall make such agent(s) or contractors (and their sub-contractors) aware of the Conditions of this Permit.
- 9.6 The Permit Holder shall restore and rehabilitate the environment.
- 9.7 The Permit Holder shall bear all costs of the restoration, rehabilitation and compensation required as a result of damage incurred due to any spill, emission, discharge or other emergency resulting from the execution of the Project. The costs herein referred to shall be independently assessed and evaluated by a third party determined by the Agency. Nothing contained herein shall prejudice the right of public and private actors to pursue criminal and/or civil action against the Permit Holder.
- 9.8 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 a risk of serious pollution of the environment or any damage to public health, the Agency shall issue to the Permit Holder a Prohibition Notice in accordance with section 27 of the Environmental Protection Act Cap. 20:05, Laws of Guyana.
- 9.9 Should the Permit Holder contravene or be likely to contravene any condition of this Permit, the Agency may issue an Enforcement Notice in accordance with section 26 of the Environmental Protection Act Cap. 20:05, Laws of Guyana.


## **10.0 INSTITUTIONAL AUTHORITY**

- 10.1 The Agency reserves the right to conduct regular inspections of the Permit Holder's operation as part of its monitoring and enforcement requirements under the

Environmental Protection Act, Cap. 20:05, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000, and any forthcoming regulations, best practices, guidelines and standards made under this Act.

- 10.2 The Permit Holder shall, at all times, allow entry to the permitted facility to any Officer designated by the Agency 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 officer 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.
- 10.3 This Environmental Permit is not the final development consent. Permission from the other relevant regulatory bodies must be obtained prior to project implementation.
- 10.4 This Permit shall be governed by, interpreted and construed in accordance with the Laws of Guyana including but not limited to the Environmental Protection Act and Regulations and consistent with such rules of international laws as may be applicable or appropriate, including the generally accepted customs and usages of the international petroleum industry.
- 10.5 The Agency reserves the continuous and irrevocable right to order the sampling and analysis of any discharges, effluent or waste emanating from the Project, for analysis by an independent certified laboratory or other institution Agency, approved by the Agency, at the expense of the Permit Holder.
- 10.6 The Agency reserves the right to suspend, modify or cancel this Permit, in consideration of:
  - a. any changes in fee structure as determined by the Agency for projects of this nature;
  - b. improvement in environmental best practices, and best available techniques which consider economic and technological feasibility; and
  - c. any other information arising from compliance monitoring, including the successful completion of an independent third-party audit of the facility.
- 10.7 The Agency reserves the right to review/amend the fees and conditions attached to this Permit in consideration of any changes in fee structure or environmental standards as determined by the Agency for projects of this nature.

- 10.8 The Permit Holder shall notify the Agency in writing, 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.
- 10.9 The Permit Holder shall inform the Agency in writing prior to or within **twenty-one (21) days** of any change of name or ownership of the Project.
- 10.10 The Permit Holder shall not assign or transfer the Environmental Permit to any person without prior consent from the Agency.
- 10.11 This Permit is effective from the period stipulated herein (**June 2023 to May 2028**).
- 10.12 This Environmental Permit shall remain valid until **May 30, 2028**, unless otherwise suspended, cancelled, modified or varied in accordance with its provisions or the Environmental Protection Act, Cap 20:05, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000.
- 10.13 This Permit must be renewed by submitting a completed *Application Form for Renewal of Environmental Authorisation* to the Agency at least **six (6) months** before this Permit expires, that is, no later than **December 30, 2027**.
- 10.14 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 (GY\$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.
- 10.15 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 prescribed under the Environmental Protection Act, Cap. 20:05, Laws of Guyana, the Environmental Protection Regulation, 2000 and other applicable Laws of Guyana.

Signed by  on behalf of the Environmental Protection Agency

**Kemraj Parsram**  
**Executive Director**

Date: 9. 6. 2023

Esso Exploration and Production Guyana Limited (EEPGL) hereby accepts the above terms and conditions upon which this Environmental Permit is granted and agrees to abide by the Environmental Protection Act, Cap, 20:05, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, the Environmental Protection (Authorisations) Regulations, 2000, and any applicable existing and forthcoming written law, best practices, guidelines, standards, codes of practice and other statutory or regulatory instruments made thereunder.

NAME	MICHAEL B. PERCAND
DESIGNATION	REGULATORY ENGAGEMENT MANAGER
DATE	JUNE 9, 2023
SIGNATURE	