



Government of the Co-operative Republic of Guyana
Environmental Protection Agency



2026-03-12

Ref. No. 20260115-CGGSS

Mr. Joseph Viau
Global Permitting Director
CGG Services (US) Inc.
10300 Town Park Drive,
Houston Texas 77072, USA.



Dear Mr. Viau,
Re: Final Environmental Permit for Guyana MCNV 3D Seismic Survey within Shallow Water (Lots 2 – 4), Offshore Guyana.

The Environmental Protection Agency (EPA) has prepared an Environmental Permit for Guyana 3D Seismic Survey within Shallow Water (Lots 2 – 4), Offshore Guyana.

Please sign the Environmental Permit to indicate your acceptance of its terms and conditions and agreement to comply with the statutory requirements of the Environmental Protection Act, Cap. 20:05, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection Regulations.

The cost for your Environmental Permit at this time is USD\$ 2400 for three (3) years (i.e., US\$800 per year). You are required to pay this fee or its equivalent in Guyana dollars, using the Bank of Guyana's daily exchange rate. Payment to the Environmental Protection Agency can be made in cash, by wire transfer, or by manager's cheque, in either Guyana dollars or United States dollars. Personal cheques can be paid in Guyana dollars. Please note personal cheques in United States dollars will NOT be accepted.

Should you have any questions or need further clarifications, please do not hesitate to make contact with **Mr. Sheirdath Ramsammy, Head, Oil and Gas Department**, on telephone number 225-5471 (ext. 2301) or email sramsammy@epaguyana.org

Yours sincerely,


.....
Kemraj Parsram
Executive Director
.....
Executive Director

 **Ganges Street, Sophia, Georgetown, Guyana.**



- Head Office :(592) 225-5471
- Berbice Office :(592) 337-2201/2207
- Linden Office :(592) 444-2313
- Complaints Hotline :(592) 225-5469
- Environmental Emergency Hotline :oEPA (0372) Toll Free



[Environmental Protection Agency - Guyana](#)



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“The Environment is Everybody’s Business”



**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.

Reference No.:	20260115-CGGSS
Fee:	Medium (C2) – USD\$ 800 per year
Fees Paid:	USD\$ 2,400 – Three (3) years (March 12, 2026 to March 11, 2029)

Addressee(s): **Mr. Joseph Viau**
Global Permitting Director
CGG Services (US) Inc.
10300 Town Park Drive,
Houston Texas 77072,
USA.

Activity: **Guyana MCNV 3D Seismic Survey within Shallow Water (Lots 2 – 4), Offshore Guyana.**

CGG Services (US) Inc., 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 (hereinafter referred to as “the Environmental Protection Act”), the Environmental Protection (Amendment) Act, 2005, the Environmental Protection (Authorisations) Regulations, 2000, and the Maritime Zones Act, Cap. 63:01 (hereinafter referred to as the “Maritime Zones Act”) to undertake Guyana MCNV 3D Seismic Survey, within the Shallow Water (Lots 2 – 4), Offshore Guyana, hereinafter referred to as the “Project”, in the manner indicated in the Application submitted on November 17, 2025, the approved Environmental Management Plan (EMP) dated January 30, 2026, and subject to the terms and conditions set forth herein and the provisions of the Environmental Protection Act, the Maritime Zones Act and any applicable regulations made thereunder taking into account the international rules and standards, international treaties and conventions to which Guyana is a Party, and any forthcoming regulations, best practices, approvals, directives, guidelines and standards made under the Environmental Protection Act.

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The Permit Holder shall comply with the following Terms and Conditions.

1.0 GENERAL

1.1 The Permit Holder shall notify the Agency in writing to obtain its approval for **ANY** proposed changes to the operation at least **fourteen (14) 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' means a change in the nature or functioning of the operation, or an extension, or any additional installation, which may have consequences for the environment. Changes in operation may include, but are not limited to, the following:

- a. change in research vessel, or survey method(s);
- b. installation of new and/or changes (excluding routine maintenance) to equipment, machine, apparatus, mechanism, system, or technology serving the facility or operation;
- c. side-tracking;
- d. any change of technology used or installed at the facility from which effluents may be discharged or any changes in the nature, composition, concentration, or quantity of the discharge; or
- e. any other variance prescribed by Regulation 20(3) of the Environmental Protection (Authorisations) Regulations.

1.2 Any approval issued in accordance with Condition 1.1 may be 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 Permits 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 the approved Environmental Management Plan dated January 30, 2026, inclusive of all protocols, plans, and mitigation measures stipulated therein, all of which constitute terms and conditions of this Permit. Failure to comply with the approved Environmental Management Plan, constitutes a breach of this Permit, EXCEPT where an alternative course of action has proven more appropriate or applicable, and has been approved by the Agency.

- a. Pursuant to **Condition 1.3** above, the application an alternative course of action that is proven more appropriate in a given circumstance shall be communicated to the Agency for approval **within twenty-four (24) hours** of the determination of the alternative course.

1.4 The Permit Holder shall comply with the provisions of the Environmental Protection Act, Cap. 20:05, Wildlife Conservation and Management Act 2016, Act No. 22 of 2016 (Guyana), the Cartagena Convention, the Petroleum Activities Act 2023, the Pesticides and Toxic Chemicals Act Cap 68:09, the Pesticides and Toxic Chemicals Regulations, No. 8 of 2004, and the Pesticides and Toxic Chemicals

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(Amendment) Regulations, No.8 of 2007, Oil Pollution Prevention, Preparedness, Response and Responsibility Act 2025 (Act No. 6 of 2025) and any other applicable international conventions.

- 1.5 The Permit Holder shall provide adequate fire protection measures, in accordance with guidelines established by the Guyana Fire Service and/or other international guidelines where applicable and maintain fire protection system on the research vessel, consistent with international best practices for offshore facilities.
- 1.6 The Permit Holder shall conduct weekly meetings on Environmental Health and Safety with staff involved in the operation.
- 1.7 The Permit Holder shall take all necessary precautions and implement best practices to ensure that activities do not negatively impact, induce injury or result in the death of marine mammals including any threatened, endangered or protected species.
- 1.8 The terms and conditions of this Permit are binding upon the Permit Holder, and the Permit Holder is responsible for any violations hereunder, including violations by its agent(s) or contractors (and their sub-contractors). The Permit Holder shall make such agent(s) or contractors (and their sub-contractors) aware of the Conditions of this Permit.

2.0 NOISE AND AIR QUALITY MANAGEMENT

- 2.1 The Permit Holder shall comply with the provisions of the **Environmental Protection (Noise Management) Regulations, 2000**, and the **Environmental Protection (Air Quality) Regulations, 2000**.
- 2.2 The Permit Holder shall adhere to international best practices to implement appropriate methods for controlling and reducing emissions from the seismic vessel.
- 2.3 The Permit Holder shall ensure that all sound-making devices or equipment on the seismic vessel/facility are fitted with silencers or mufflers, and/or are enclosed, to reduce noise emanating from both onshore and offshore operations.
- 2.4 The Permit Holder shall operate and maintain all mechanical equipment in accordance with their respective manufacturer's specifications. Mechanical equipment, and vessels utilised during the seismic survey, shall regularly maintained and operated at their optimal levels to minimize atmospheric emissions.

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- 2.5 The Permit Holder shall combust waste oil at an optimum temperature to minimise atmospheric emissions, keeping combustion temperatures between 850°C and 950°C.
- 2.6 The Permit Holder shall monitor exhausts daily for smoke and particulates. In instances of visible smoke, the Unit must be shut down, and the cause(s) investigated and resolved.
- 2.7 The Permit Holder shall operate the incinerator in accordance with the best available control technology (BACT) and the manufacturer's operation manual.
- 2.8 The Permit Holder shall ensure that only trained personnel who are able to implement the guidance provided in the Manufacturer's Operating Manual operate the incinerator.
- 2.9 The Permit Holder shall ensure that fuel utilised complies with MARPOL Annex VI sulphur limits (not exceeding 0.5% m/m).
- 2.10 In accordance with the International Convention for the Prevention of Pollution from Ships (MARPOL) Annex VI, ozone-depleting substances (ODS) shall not be discharged during permitted activities on the vessel.
- 2.11 The Permit Holder shall utilise gas detectors and gas alarms (visual and audible) which are capable of detecting gas at all times.
- 2.12 The Permit Holder shall adhere to the Ship Energy Efficiency Management Plan.

3.0 SEISMIC ACTIVITIES AND MARINE ENVIRONMENT

- 3.1 The Permit Holder shall ensure the Seismic Survey is executed ONLY within authorized boundaries of the surveys and authorised time period. Should more time be required to conduct survey a request shall be made to the EPA, indicating the time frame, reasons and any additional information to justify the extension.
- 3.2 The Permit Holder shall adhere to the Joint Nature Conservation Committee (JNCC) Guidelines (2017) during the conduct of seismic activities.
- 3.3 In accordance with the JNCC Guidelines, verify by Best Available Technology, including telescopic observations, that the mitigation zone (500 metres) is clear of marine mammals and marine turtles before commencing operations. All verifications must be recorded and included in the End of Survey Report. The Permit Holder shall also maintain a 3,500-meter Behavioural Monitoring Zone (based on the 160 dB isopleth) where marine fauna sightings and behavioural responses are recorded for inclusion in the End of Survey Report.

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- 3.4 In accordance with the JNCC Guidelines, trained Marine Mammal Observers (MMOs) and Passive Acoustic Monitoring (PAM) Operators are on board the survey vessel during the conduct of seismic activities. At a minimum, one trained MMO and one non-dedicated MMO must be employed.
- 3.5 The Permit Holder shall undertake Passive Acoustic Monitoring (PAM) **AND utilize Thermal Imaging / Night Vision technology** during hours of darkness or low visibility to monitor for protected species that are not acoustically active (e.g., sea turtles).
- 3.6 The Permit Holder shall ensure MMOs survey the area for sixty (60) minutes for all water depths prior to the onset of soft-start procedures. Personnel can then proceed to commence soft-start procedures after the area has been confirmed clear of marine animals (including endangered species, marine mammals and marine turtles).
- 3.7 The Permit Holder shall utilise soft-start procedures over a period of twenty (20) minutes to give adequate time for marine animals (including endangered species, marine mammals and marine turtles) to leave the vicinity.
- 3.8 The Permit Holder shall not undertake sonar activities (vessel positioning) if marine mammals are detected within five hundred metres (500 m) of the vessels.
- 3.9 The Permit Holder shall ensure commercial fishing within lots 2 to 4 is not impacted during the period of the seismic survey. The Company shall collaborate with the Fisheries Department, Ministry of Agriculture, to determine the migratory patterns of fish and identify mitigation measures for prevention of impacts to commercial fishing. To facilitate this, the Permit Holder shall deploy a dedicated Fisheries Liaison Officer (FLO) onboard the survey vessel or support vessel to manage daily communications with local fisherfolk and coordinate safe vessel passage.
- 3.10 The Permit Holder shall ensure tail buoys are fitted with turtle guards of a combined deflector and excluder design.
- 3.11 The Permit Holder shall issue Notices to Mariners (NtM) through MARAD and the Fisheries Department at least two (2) weeks prior to the commencement of seismic operations, as indicated in the approved EMP. Additionally, Radio Navigational Warnings confirming the vessel's live location and Exclusion Zone (500m) coordinates must be broadcast at least forty-eight (48) hours prior to the start of operations in any new survey block.
- 3.12 In addition to standard soft-start procedures, the Permit Holder shall implement a

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'Turtle Pause' (voluntary suspension of source activity) if a sea turtle is visually detected within 100 meters of the source vessel. Firing may resume after the turtle is observed clearing the 100-meter zone.

- 3.13 Subject to an approved Addendum to the EMP prior to the commencement of the survey, the Permit Holder shall conduct pre-acquisition bathymetry mapping using a hull-mounted echo sounder within Search Areas 1 and 2 (approximately 720 km² and 1,160 km², respectively) to delineate the 20-meter contour for operational safety.
- 3.14 The Permit Holder shall undertake the following re-initiation procedures in the event of shut down of an array while on transect line:
- Air guns can be reinitiated at full power given the silent break is ten (10) minutes or less; and
 - For silent breaks longer than ten (10) minutes, soft-start procedures must be undertaken prior to the commencement of seismic activities.

4.0 EXPLORATION VESSEL

- 4.1 The Permit Holder shall ensure that the vessels travel at a reduced speed within 300 metres of whale, and not allow the vessel to approach closer than 100 metres of whale (caution zone). This condition shall be applied to the operation of the vessel whilst Seismic Surveys are not being undertaken.
- 4.2 The Permit Holder shall comply with IMO standards for lighting. Additionally, in accordance with the EMP, the Permit Holder shall minimize external deck lighting and utilize window blinds/curtains (blackout measures) at night to prevent the disorientation of marine turtles (Direct the light from the research vessel away from the ocean wherever practicable or safe to do so), provided that vessel safety is not compromised.
- 4.3 The Permit Holder shall adhere to the vessel's anchoring procedures to minimize impact to the seabed.
- 4.4 The Permit Holder shall ensure anchoring procedures applied minimise anchor dragging on the sea floor in the event the Seismic Vessel has to be anchored.
- 4.5 The Permit Holder shall comply with the International Convention for the Control and Management of Ships' Ballast Water and Sediments (2004).
- 4.6 In accordance with MARPOL 73/78 requirements, the Permit Holder shall maintain an Oil Record Book to document the manner in which sludge, oil, bilge water, waste oil, etc., are disposed.

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- 4.7 In accordance with MARPOL 73/78 requirements, the Permit Holder shall adhere to the vessel's Garbage Management Plan and maintain a Garbage Record Book.
- 4.8 The Permit Holder shall ensure that equipment on board (engines, compressors, generators, sewage treatment plant, oil-water separators, etc.) are checked and maintained in accordance with manufacturers' guidelines to maximise efficiency and minimise malfunctions.
- 4.9 The Permit Holder shall ensure the vessel's cooling water system is maintained by qualified personnel and in accordance with manufacturer's specification.
- 4.10 The Permit Holder shall maintain Safety Data Sheets for any biocides that may be used in the vessel's cooling water system (only applicable if biocides are used).
- 4.11 The Permit Holder shall store biocides in accordance with manufacturer's specification (only applicable if biocides are used).
- 4.12 The Permit Holder shall ensure cooling water discharge does not contain any hydrocarbons.
- 4.13 For operations in water depths of less than 20 metres (specifically Block S1), the Permit Holder shall implement a visual monitoring protocol for sediment plumes. Seismic operations in shallow water must be paused immediately if turbidity or sediment plumes are observed drifting toward sensitive coastal ecosystems.
- 4.14 The Permit Holder shall adhere to the Simultaneous Operations (SIMOPS) Protocol and participate in regular coordination meetings with other basin operators whenever this becomes necessary.
- 4.15 Any security incident, shadowing, or interaction with foreign naval vessels that results in a deviation from the survey plan or emergency evasion must be immediately reported to the Agency and the Guyana Defence Force.

5.0 WATER QUALITY MANAGEMENT

- 5.1 The Permit Holder shall comply with the provisions of the **Environmental Protection (Water Quality) Regulations, 2000**.
- 5.2 The Permit Holder shall ensure that the discharge of any pollutant/contaminant in territorial waters is **strictly prohibited** (i.e., twelve (12) nautical miles from the baseline).
- 5.3 The Permit Holder shall follow the Water Quality Monitoring Protocol as outlined in the approved Environmental Management Plan. Results of water quality

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monitoring must be reported monthly and at the closure of every activity (in both a printed copy and in an editable Standard Reporting Matrix).

- 5.4 The Permit Holder shall adhere to all operational controls regarding material storage, wash-downs, and drainage systems.
- 5.5 The Permit Holder shall install and maintain a bilge-oil separator and undertake maintenance of oil-water separator equipment in accordance with MARPOL 73/78 requirements.
- 5.6 The Permit Holder shall treat bilge water in accordance with MARPOL 73/78 requirements to achieve an oil in water content of **<15 ppm** (parts per million). A consolidated report of the oil-in-water content of each bilge water discharged shall be submitted to the Agency as part of the Monthly report.
- 5.7 The Permit Holder shall prohibit the discharge of wastewater from the onboard Sewage Treatment Plant unless it complies with the aquatic discharge standards as set out in MARPOL 73/78 regulations.
- 5.8 The Permit Holder shall ensure that the residual chlorine concentration of each treated sewage discharged is below **0.5 mg/L** in accordance with MARPOL 73/78 regulations. A consolidated report of residual chlorine concentration of each treated sewage discharged shall be submitted to the Agency as part of the End of Well Report.
- 5.9 The Permit Holder shall discharge ballast water in accordance with established International Maritime Guidance and Legal Requirements, including the International Convention for the Prevention of Pollution from Ships (MARPOL).
- 5.10 The Permit Holder shall Curbs, gutters, drip pans, and drains in deck areas in a manner necessary to collect all contaminants prior to discharge. All gravity drains shall be equipped with a water trap or other means to prevent gas in the sump system from escaping through the drains.
- 5.11 The Permit Holder shall perform a Static Sheen Test (stating the method used) on separate samples of applicable waste discharges. If the static sheen test indicates the presence of free oil, discharge of the tested material shall cease. If subsequent tests do not indicate free oil, discharge may continue.
- 5.12 The Permit Holder shall ensure that the temperature within the thermal plume of cooling water discharge is within **three (3) degrees Celsius** of ambient seawater temperature within 100 meters of the discharge point(s).
- 5.13 The Permit Holder shall not discharge diesel oil, halogenated phenol compounds, or chrome lignosulphonate.

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- 5.14 The Permit Holder shall perform daily visual inspections of discharge points to detect if there is any floating solid or discolouration in the surrounding waters and submit a summary of observations in the monthly report.
- 5.15 The Permit Holder shall ensure that leak detection mechanisms, in accordance with Good International Industry Practice (GIIP), are in place for the equipment, treatment, and storage facilities (fuel, chemical, etc.).
- 5.16 The Permit Holder shall submit a monthly report on the monitoring and management of the wastewater generated on survey vessel.

6.0 WASTE MANAGEMENT

- 6.1 The Permit Holder shall ensure effective management and disposal of all wastes and recoverable materials generated by the project in accordance with the GIIP, the Environmental Protection Act, Cap. 20:05, Laws of Guyana, and the most recent Agency approved Waste Management Plan.
- 6.2 The Permit Holder shall seek the Agency's approval prior to deviating from any measure, practice, or standard required by GIIP, the Environmental Protection Act, Cap. 20:05, Laws of Guyana, and the most recent Agency approved Waste Management Plan.
- 6.3 During the lifetime of the Survey, the Permit Holder shall be responsible for stewarding and auditing the activities of all downstream subcontractors handling Project waste streams, and shall contractually require them to conduct all treatment and disposal of such waste streams in keeping with the most recently Agency-approved Waste Management Plan. Any deviations from the Plan shall be immediately reported to the Agency.
- 6.4 The Permit Holder shall profile all waste streams in accordance with the most recently updated Waste Profile Sheet from the Agency.
- 6.5 The Permit Holder shall ensure that all third party contractors abide by the approved Environmental Management Plan dated January 30th 2026, the most recently Agency approved Waste Management Plan and the most recently Agency approved Oil Spill Response Plan, for the disposal of all forms of waste produced and obtained, and submit monthly reports (in both printed copy and in an editable Standard Reporting Matrix) from third party disposal services, including but not limited to, information on the final deposit of the waste and compliance with any testing requirements prior to final deposit.

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- 6.6 The Permit Holder shall handle, store, and dispose of sewage and sullage in accordance with Annex IV of MARPOL 73/78, Regulations for the Prevention of Pollution by Sewage from Ships.
- 6.7 The Permit Holder shall operate the incinerator in accordance with MARPOL Annex V and VI.
- The incineration of used/waste oil, paper, cardboard, and non-hazardous combustible waste is permitted.
 - The incineration of plastics containing toxic compounds (e.g., PVC), exhaust gas cleaning residues, and heavy metals is strictly prohibited.
- 6.8 The Permit Holder shall implement lifting and transfer procedures to cater for the retrieval of any waste accidentally released overboard.
- 6.9 The Permit Holder shall record any accidental release of waste into the marine environment and corrective actions implemented and submit a copy of the Report to the Agency **within twenty-four (24) hours** of the release. A compilation of such reports must be included in the monthly Report.
- 6.10 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.
- 6.11 The Permit Holder shall **prohibit** the disposal of equipment, cables, chains, containers, or other materials into the offshore environment.

7.0 HAZARDOUS WASTES/MATERIALS MANAGEMENT

- 7.1 The Permit Holder shall comply with the provisions of the **Environmental Protection (Hazardous Waste Management) Regulations, 2000, Laws of Guyana.**
- 7.2 The Permit Holder shall prepare and submit to the Agency a report relating to the activities resulting in the generation of hazardous waste/materials during the seismic survey. The report must be prepared in accordance with Section 12 (1) of the Environmental Protection (Hazardous Waste Management) Regulations, 2000, Laws of Guyana, and submitted no later than **one (1) month** after the end of the survey. The report shall include:
- a. identification information of the facility;
 - b. types and quantities of hazardous waste generated;
 - c. date concerning off-site shipments of wastes;
 - d. applied waste treatment standards;

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- e. a summary of any accidents and any action taken;
- f. any waste minimisation efforts undertaken; and
- g. 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.

- 7.3 The Permit Holder shall utilise low toxicity chemicals, where practical, in the operation. All chemicals must be utilised in accordance with their Safety Data Sheets.
- 7.4 The Permit Holder shall secure fuel, oils, and chemicals in areas far away from the discharge points of the vessel or onshore storage location, and in accordance with their Safety Data Sheets.
- 7.5 The Permit Holder shall submit a report on the types and quantities of chemicals stored, consumed in the various processes, and discharged in the marine environment. Information must be contained in the monthly Report.
- 7.6 The Permit Holder shall contain and return spent oils, lubes, and chemicals to shore for disposal by an Agency authorised operator. Discharge of used/waste oils and chemicals in the marine environment or in any waterways is **prohibited**, as well as disposal onshore if untreated.
- 7.7 Oil and chemical spills must be cleaned up in accordance with the most recently Agency approved Oil Spill Response Plan, with the prior consent of the Agency and other relevant regulatory bodies.

8.0 EMPLOYEES

- 8.1 The Permit Holder shall operate in accordance with Guyana's **Occupational Safety and Health Act, No. 32 of 1997**.
- 8.2 The Permit Holder shall ensure that all employees are equipped with the necessary protective equipment, material, devices and clothing according to job specification which must be maintained in good condition and used at all prescribed times.
- 8.3 Make all employees aware of the conditions of the Environmental Permit and provide training on good environmental management practices.
- 8.4 The Permit Holder shall employ a Health, Safety, and Environmental Officer and establish a Health and Safety Committee with responsibility for the implementation of the Health, Safety, Environmental, and Social Management Plan and the terms and conditions of this Permit.

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- 8.5 The Permit Holder shall conduct the necessary operational and preventative routine maintenance activities on the facility and submit a schedule outlining the conducted maintenance activities on request by the Agency.
- 8.6 The Permit Holder shall conduct a Hazard and Operability (HAZOP) Analysis and a Hazard Identification (HAZID) Study, which identify potential hazards or operability problems in all systems that can lead to a process upset, and submit reports of the same on request by the Agency.

9.0 EMERGENCY MANAGEMENT

- 9.1 In the event of a discharge or spill of any contaminant into the water or on land, the Permit Holder shall be responsible for eliminating or controlling the discharge/spill, cleaning up to the extent practicable, remediating any resulting damage, monitoring the impact and taking appropriate measures to prevent, reduce and or mitigate impacts, consistent with the National Oil Spill Contingency Plan, the Oil Spill Response Plan (OSRP), and the Environmental Protection Act.
- 9.2 The Permit Holder shall notify the Agency **within twenty-four (24) hours** of the occurrence of any emergency, which emergency shall include but not be limited to:
 - a. the accidental or unintended discharge of contaminants;
 - 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.
- 9.3 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) 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**).
- 9.4 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.
- 9.5 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.

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- 9.6 The Permit Holder shall bear all costs of the restoration, rehabilitation, and compensation required as a result of damage incurred due to an oil spill 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.
- 9.7 The Permit Holder shall adhere to the most recent and updated Oil Spill Response Plan approved by the Agency.
- 9.8 The Permit Holder shall provide notification to the Agency, within **twelve (12) hours**, of resuming operations after an Emergency Shutdown event.
- 9.9 The Permit Holder shall implement robust personnel training and field exercises in oil spill prevention, containment, and response.
- 9.10 The Permit Holder shall undertake monthly maintenance and testing of oil spill response containment equipment and submit a monthly report on their state of readiness.
- 9.11 The Permit Holder shall adhere to cooperative measures with Government Agencies, as it relates to oil spill response, as applicable and relevant notification process and procedures.
- 9.12 The Permit Holder shall maintain emergency spill response equipment on site for response to potential spills.
- 9.13 Condition 9.7, above, is not to be interpreted as meaning that the Permit Holder will not be liable to fulfil its obligations under any other oil spill response plans, whether existing or forthcoming.
- 9.14 The Permit Holder shall ensure the vessel maintains a helideck rated for at least **15.6 tonnes** to facilitate medical evacuation to Georgetown, as required by the Agency's emergency response protocols.
- 9.15 The Permit Holder shall prepare and submit to the Agency the identification details of persons responsible for managing and participating in spill response efforts, their specific training requirements, responsibilities, authority, roles, and contact details within two (2) weeks of issuance of the Environmental Permit.

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10.0 COMPLIANCE MONITORING AND REPORTING

- 10.1 The Permit Holder shall sign all information submitted to the Agency. All submissions on analyses, contaminant reports, discharges, or any other environmental data shall be submitted in both a printed copy and in an editable Standard Reporting Matrix.
- 10.2 The Permit Holder shall submit a copy of the Ship Energy Efficiency Management Plan to the Agency **one (1) month** prior to commencement of survey.
- 10.3 The Permit Holder shall submit to the Agency, copies of vessel specifics, plans and certificates **one (1) week** after the Contractor has been selected.
- 10.4 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 your direction. Provide a list of all third parties, their responsibilities, and compliance with the terms and conditions herein. Information must be contained in the End of Well Report.
- 10.5 The Permit Holder shall report to the Agency any non-compliance with the Environmental 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.
- 10.6 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**.
- 10.7 The Permit Holder shall comply with any lawful directions given by the Agency from time to time in furtherance of the implementation of any international or other obligations for the environmental protection of Guyana and the surrounding regions (including neighbouring South American Coast and Caribbean Sea) likely to be affected.
- 10.8 The Permit Holder shall foster good corporate relations involving the Regional Council, the Ministry of Agriculture and Fisheries Department, residents, and other stakeholders, where general information can be shared and major concerns or complaints resolved. Evidence of the Company's corporate relations with Stakeholders shall be provided within **two (2) weeks** of issuance of the Permit. Immediately inform the Agency of any conflicts with other stakeholders.

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- 10.9 The Permit Holder shall implement the Community Grievance Mechanism as detailed in the approved EMP. All grievances received from fisherfolk or other stakeholders must be acknowledged within seventy-two (72) hours, recorded in a Grievance Log, and resolved within the timeline stipulated in the EMP (typically 15 working days). A summary of grievances and their resolution status shall be included in the Monthly Report.
- 10.10 The Permit Holder shall keep on site a copy of the Manufacturer's Operating Manual for the Incinerator, which shall also be available upon request by the Agency.
- 10.11 The Permit Holder shall be responsible for payment for all environmental audits and compliance monitoring requested and/or conducted by the Agency in relation to this Permit, as well as any independent investigations into pollution incidents.
- 10.12 The Permit Holder shall submit for approval to the Agency within **two (2) weeks** of the issuance of the Permit, details of dispersants to be used in the event of spills.
- 10.13 The Permit Holder shall not assign or transfer the Environmental Permit to any person without prior consent from the Agency.
- 10.14 The Permit Holder shall notify the Agency within **twenty-one (21) days** in the event of death, bankruptcy, liquidation, or receivership of the Permit Holder or if the Company becomes a party to an amalgamation.
- 10.15 The Permit Holder shall inform the Agency prior to or within **thirty (30) days** of any change of name or ownership of the operation.
- 10.16 The Permit Holder shall submit to the Agency **one (1) month** after the survey has been completed a copy of the following documents/ Report:
 - a. Copy of the Oil Record Book;
 - b. Records of vessels and helicopter movements (routes, speed, heights, etc., where applicable) and of any incidents associated with these;
 - c. Garbage Record Book; and
 - d. Garbage Management Plan.
- 10.17 The Permit Holder shall submit monthly reports on the monitoring and management of the wastewater generated on the vessel on or before the 10th day of each month.
- 10.18 The Permit Holder shall record all marine mammal, marine turtle, threatened and endangered species observed, and respective mitigation actions (power shut downs, etc.) in a standardized report format and submit a copy of the report to the Agency

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within **one (1) month** of survey completion. The report should contain at minimum the following:

- The location, date and start time of the survey;
- The location, time and reasons when observations were hampered by poor visibility or high winds;
- The location 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;
- The location, time and distance of any marine mammal, marine turtle, threatened or endangered species sighting including species where possible; and
- The date and time when the survey was completed.

10.19 The Permit Holder shall submit an Operational Summary of the Seismic Survey within **three (3) months** after completion of the survey. The use of maps, figures and tables should be included where applicable. The Operational Summary should include a copy of the report prepared by the Marine Mammal Observers and Passive Acoustic Monitoring Observers.

10.20 The Permit Holder shall 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 **31 March** each year (please see attached, Guidelines for the Preparation of Environmental Annual Reports).

10.21 The Agency reserves the continuous and irrevocable right to order the sampling and analysis of any discharges, effluent, or waste emanating from the Project, to be analysed by an independent certified laboratory or institution approved by the Agency, at the expense of the Permit Holder.

11.0 FINANCIAL ASSURANCE AND LIABILITY FOR POLLUTION DAMAGE

11.1 The Permit Holder shall be strictly liable for any loss or damage to the environment through any act caused intentionally or recklessly, through the adverse effect of any discharge or release, or cause or permit the entry of pollution, contaminant in any amount, concentration or level in excess of that prescribed by the regulations or stipulated by any environmental authorization which are attributed to any Project (and more specifically petroleum activities). S. 19(1) EP Act, Cap. 20:05.

11.2 The Permit Holder shall be liable to any gross negligence or wilful misconduct caused by the Permit Holder, to the marine environment, biodiversity, protected species and natural habitat with respect to any release or discharge, spill,

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- contaminant fluids, oil or lubricants from fuel storage at any facilities permitted under this project.
- 11.3 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 Act.
 - 11.4 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 (1), (2) and (4) of the Act.
 - 11.5 The Permit Holder, his Servants and/or Agents shall be jointly and severally liable for any negligence or wilful misconduct which causes harm to the environment, biodiversity, protected species, and natural habitat.
 - 11.6 The Permit Holder, his Servants and Agents shall be liable jointly and severally for environmental damage due to pollution of the environment in any amount, concentration or level in excess of that prescribed by the regulations or stipulated in this Permit ("pollution") from its activities within Guyana, its territorial waters, contiguous zones, continental margins continental shelf, and Exclusive Economic Zone, inclusive of damage to the marine environment, biodiversity, protected species and natural habitat with respect to any pollution which is attributable to the Permit Holder and its agents and contractors. This is in accordance with Section 49 (1) of the Maritime Zones Act 2010 and is subject to any other existing or forthcoming laws, regulations, and standards governing the protection of the marine environment.
 - 11.7 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 agrees that it can pay compensation for any loss or damage which may arise from the Project or breach of any term or condition of this Permit.
 - 11.8 The Permit Holder shall restore and rehabilitate the environment.
 - 11.9 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 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 Act.

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- 11.10 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 Act.

12.0 INSTITUTIONAL AUTHORITY

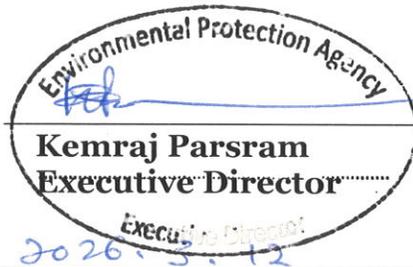
- 12.1 The Agency reserves the right to conduct regular inspections of the Permit Holder's operation as part of its monitoring and enforcement requirements under the Environmental Protection Act, Cap. 20:05, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000, and any forthcoming regulations, best practices, guidelines, and standards made under this Act; including the most recent version of the 'Guidelines for the Conduct of Remote Inspections'.
- 12.2 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.
- 12.3 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.
- 12.4 The Permit Holder shall bear the expenses to facilitate transportation by authorised officers of the Agency to conduct offshore inspections.
- 12.5 The Agency shall have the right to cancel, modify, or suspend this Permit for breach of any of the terms and conditions contained herein, or any other circumstance prescribed by Regulation 14(2) of the Environmental Protection (Authorisations) Regulations.
- 12.6 This Environmental Permit is not the final development consent. Permission from the other relevant regulatory bodies must be obtained prior to project implementation.
- 12.7 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.
- 12.8 This Permit is effective from the period stipulated herein (**March 12, 2026, to March 11, 2029**).

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- 12.9 This Environmental Permit shall remain valid until **March 11, 2029**, 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.
- 12.10 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 **September 11, 2028**.
- 12.11 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.
- 12.12 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.

Date

2026.5.12

CGG Services (US) Inc. 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 the Maritime Zones Act, Cap. 63:01, Laws of Guyana, and any applicable existing and forthcoming written law, best practices, guidelines, standards, codes of practice, and other statutory or regulatory instruments made thereunder and of relevance to this project, taking into account the international rules and standards, international treaties and conventions to which Guyana is a party.

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NAME	Joseph Viau
DESIGNATION	Director of Global Permitting
DATE	03-12-2026
SIGNATURE	

