



Environmental Protection Agency

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Operation 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

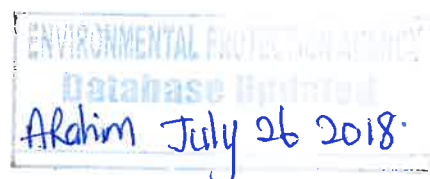
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|----------------|---|
| Reference No.: | 20171102 ASLFF |
| Fees : | Small (C1) US\$500 (5 years) i.e. US\$ 100 per year |
| Fees Paid: | USD 500 (July, 2018 – June, 2023) |

Address Air Services Limited
Eugene F. Correia International Airport
Ogle,
East Coast Demerara.

Activity: Operation of a Fuel Farm Facility

Air Services Limited, hereinafter referred to as the "Permit Holder", is hereby authorized in accordance with the Environmental Protection Act, Cap. 20:05, Laws of Guyana, the Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisation) Regulations, 2000, to operate a Fuel Farm Facility located in Mahdia Region (8) referred to as the "Project", in a manner indicated in the Application submitted November 02, 2017, and subject to the terms and conditions set forth herein and any forthcoming regulations, best practices, guidelines and standards relevant to this project.

Terms and Conditions for Operation by Permit Holder



1.0 OPERATION

1.1 Notify the Agency in writing of any proposed changes in the operation **at least 14 days before 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, or an extension, of the installation, which may have consequences for the environment, including but not limited to the following:

- Changes in construction, structure, or layout of the facility.
- Installation of new and/or changes to equipment, machine, apparatus, mechanism, system or technology serving the facility or operation.
- Any technology used or installed at the facility from which effluent may be discharged.

1.2 Adopt and comply with the National Standard "Guidance for the Design, Construction,

Signature
N/A 19/07/2018

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Modification, and Maintenance of Petrol Filling Stations” and any forthcoming code of practice/guidelines pertaining to the operation of fuel storage.

- 1.3 Maintain an impervious secondary containment wall that should have the capacity to provide at least 110% containment around each fuel storage tank, creating a temporary holding area in the event of accidental spillage.
- 1.4 Install leak detection mechanisms. At least two (2) of the following measures should be taken: overflow alarms on tanks; gauging system; dipstick measurements; sensors on walls of tank and electric shut down buttons.
- 1.5 Ensure that corrosion control measures are in place to prevent the corrosion of steel tanks and pipe work.
- 1.6 Maintain an interceptor drain, which must be adequately sloped to collect storm flow.
- 1.7 Ensure all employees are trained in good environmental management practices and of their obligations under the Permit.

2.0 WATER QUALITY

- 2.1 Monitor effluent discharge from the fuel depot into the environment on an annual basis to ensure that pollution of waterways does not occur. Discharges should be in accordance with the Guyana National Bureau of Standards (GNBS) *Interim Guidelines for Industrial Effluent Discharge into the Environment*. The following are the allowable limits for a fuel depot and should not be exceeded:
 - pH 5.0-9.0;
 - Temperature < 40 °C;
 - Total Suspended Solid (TSS) < 100 mg/L;
 - Oil and Grease < 10 mg/L; and
 - Total Dissolved Solid (TDS) < 40 mg/L.
- 2.2 Monitor the parameters listed in condition 2.1 on an annual basis at the point of discharge and submit the results to the Agency as a component of the annual report required in condition 7.7.
- 2.3 Not discharge waste water effluent directly into receiving waters without prior treatment.
- 2.4 Construct and maintain an oil-water separator at a strategic location, through which all effluent must pass before final discharge into external waterways.
- 2.5 Maintain an interceptor drain, which must be adequately sloped to collect storm flow.
- 2.6 Ensure that all drains are cleared of debris on a regular basis to promote free flow of water.
- 2.7 Take all Necessary precautions to avoid siltation and sedimentation of all drains.

3.0 NOISE MANAGEMENT

- 3.1 Handle and store liquid fuel in such a manner so as to prevent the emission of offensive odor to the air outside the property boundary.
- 3.2 Monitor any malfunction or breakdown leading to abnormal emissions promptly and adjust process until normal operations can be restored.
- 3.3 Comply with the Guyana National Bureau of Standards (GNBS) *Guidelines for Noise Emissions into the Environment*, not exceeding the commercial limits at a distance of 15 metres (50 ft) from the source or property boundary, whichever is closer:

Industrial Limits: Daytime Limits (06:00 h-18:00 h)-100dB
Nighttime Limits (18:00 h-06:00 h)-80 dB

- 3.4 Equip all sound-making devices, e.g. generators, planers, etc. with silencers or mufflers to reduce the noise level and/or enclose all sound making devices in structures constructed with materials of good insulation properties (e.g. hollow concrete blocks, insulation boards, solid clay bricks).

4.0 WASTE MANAGEMENT

- 4.1 Promote proper solid waste management and disposal practices at your facility. Covered garbage receptacles must be placed at strategic locations, both within and outside the facility. **Burning of Waste is strictly prohibited.**
- 4.2 Maintain good house-keeping, sanitary, and hygienic practices and improvement in the aesthetic quality of your surroundings at all times. Regular cleaning of the surrounding and drain should be clean of vegetation and litter.
- 4.3 Ensure that a well maintained septic system is constructed on site. Septic tanks should be installed with a sand and charcoal filter bed, or other appropriate design for further treatment. The septic tank should not be located within 1.5 m of a building or property boundary and should be accessible for cleaning and de-sludging. Any modification to the Septic tanks must be in accordance with the Guyana National Bureau of Standards (GNBS) *Code of Practice for the Design and Construction of Septic Tanks and Associated Secondary Treatment and Disposal Systems*.

5.0 ENVIRONMENTAL EMERGENCY RESPONSE

- 5.1 Notify the Environmental Protection Agency within 24 hours of the occurrence of any environmental emergencies.
- 5.2 Provide adequate fire protection measures such as maintaining and placing firefighting equipment such as fire extinguisher, sand bucket, at a visible location on site, in accordance with guidelines established by the Guyana Fire Service.
- 5.3 Maintain a supply of oil-absorbent materials such as absorbent pads, sand, etc at the site for the clean-up of spills

5.4 Treat and contain spills of even a minor nature with absorbent materials.

5.5 Ensure that appropriate clean-up equipment such as spill trays, oil spill clean-up recover pump, oil spill dispersant spray system or sorbent pads are readily accessible during refueling exercises.

6.0 FUEL, WASTE OIL AND HAZARDOUS WASTE MANAGEMENT

6.1 Comply with the provisions of the Environmental Protection (Hazardous Waste Management) Regulations 2000.

6.2 Prepare and submit to the Agency no later than forty-five (45) days after the end of the operating year, a report relating to the activities for the previous year (please see attached form). The report shall include:

- (a) the name, location and type of facility;
- (b) types and quantities (in metric units) of hazardous waste generated;
- (c) manner of storage, use, any applied treatment standards/methods and disposal of these substances;
- (d) data concerning off-site shipments of waste, i.e. local disposal facility utilized, country to which hazardous waste is shipped, purpose of shipment and amount of waste shipped;
- (e) a summary of any accidents that may have occurred and any action taken;
- (f) Any waste minimization efforts undertaken by your facility for hazardous material/waste; and any other matter the Agency may require.

6.3 In the event that waste oil (recovered from oil-water separator or from servicing of generators) is stored on site, it should be stored in a covered, bunded area to minimize adverse impacts to the environment in the event of spillage. The bunded area must be labeled and must be able to provide containment for the maximum volume of waste oil on site.

6.4 Dispose of all waste oil in accordance with the Environmental Guidelines, 2011 for the 'Removal, Treatment and Disposal of Oily Sludge' (attached) or reuse waste oil as lubricant for chainsaw or other equipment\machinery.

6.5 Store all fuel away from ignition sources and have '**No Smoking**' signs posted where fuel is handled or stored.

6.6 Ensure that oil/fuel contaminated adsorbent materials are appropriately stored and disposed of by double wrapping in heavy duty garbage bags and dispose of at an approved waste disposal facility. Hazardous contaminated absorbent pads can be disposed of by an authorised Hazardous Waste Disposal company.

6.7 Refrain from draining fuel/lubricants including waste oils of any quantity from equipment onto the ground or into waterways.

7.0 COMPLIANCE, MONITORING AND REPORTING

- 7.1 Comply with any lawful directions given by the EPA from time-to-time in furtherance of the implementation of any international or other obligation for the environmental protection of Guyana.
- 7.2 Notify the Environmental Protection Agency within 24 hours of the occurrence of any environmental emergencies (e.g. oil spills, accidental discharge of hazardous materials/wastes, chemicals, etc.).
- 7.3 Notify the EPA if the period for the use of this temporary site will be extended beyond four months.
- 7.4 Make all employees/third party contractors aware of the Conditions of the Operation Permit and provided with training on good environmental management practices. Prepare and maintain a training file for employees which should be available upon Officers' request during Compliance Inspection.
- 7.5 Where applicable, 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).
- 7.6 Where applicable, report to the Agency of non-compliance with the Operation Permit:
- I. Within twenty-four (24) hours of the time the Holder of the Construction Permit becomes aware of the non-compliance, the anticipated manner in which it may endanger human health or the environment.
 - II. Within seventy-two (72) hours, submit to the Agency a written report containing a description of the non-compliance, its cause and the period of non-compliance including exact dates and time.
 - III. Submit a report to the Agency indicating the reasons and the anticipated time it is expected to continue if the non-compliance has not been corrected.
- 7.7 Submit **Annual Reports** 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** of each year. Please see attached, *Guidelines for the Preparation of Environmental Annual Reports*.
- 7.8 Notify the Agency in writing of any change of name or ownership of the Permit Holders' facility within thirty days after the change occurs.
- 7.9 Conform to all terms and conditions under which this Permit is granted, and be liable for any loss or damage which arises from the Project as a result of the Permit Holder's activities or breach of any terms and conditions of this Permit.
- 7.10 Monitor the implementation of the conditions of this Permit, insofar as they involve adherence by your employees and all third parties under your direction.
- 7.11 Notify the Agency within **21 days** in event of death, bankruptcy, liquidation or receivership of the Permit Holder or if the Company becomes a party to an amalgamation.

- 7.12 Inform the Agency prior to or within **30 days** of any change of name or ownership of the operation.

8.0 INSTITUTIONAL AUTHORITY\ LIABILITY

- 8.1 The EPA 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.
- 8.2 The EPA reserves the right to review / amend the conditions attached to this Permit, which also includes the review and/or amendment of permit fees in consideration of any changes in fee structure as determined by the Agency for projects of this nature.
- 8.3 The Permit Holder 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.
- 8.4 The EPA shall have the right to cancel or suspend this Permit for breach of any of the terms and conditions contained herein.
- 8.5 The Permit Holder shall compensate any Party who suffers any loss or damage as a result of the attributed project. (Part V, s. 19(3)(e)) EP Act Cap. 20:05.
- 8.6 Failure to comply with the requirements of this Permit 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 (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000.
- 8.7 The Permit Holder is obligated to ensure that the Fuel Storage Facility is permitted by other relevant authorities.
- 8.8 The Permit is effective for the period stipulated herein (**July, 2018 to June, 2023**).
- 8.9 This Operation Permit shall remain valid until **June 30, 2023**, unless otherwise suspended or revoked in accordance with the provisions of this Permit or the Environmental Protection Act, Cap 20:05, Laws of Guyana, Environmental Protection (Amendment) Act, 2005, and the Environmental Protection (Authorisations) Regulations, 2000.
- 8.10 This Permit must be renewed by submitting a completed *Application Form for Environmental Authorisation* (Operations Permit) to the Agency at least six months before this Permit expires, that is, no later than **January 31, 2022**.

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Signed by Shanifah Lazack on behalf of the Environmental Protection Agency
for Kemraj Parsram
Executive Director (Ag)

Date 2018-07-18

I hereby accept the above Terms and Conditions upon which this Operation Permit is granted and agree 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 forthcoming regulations, best practices, guidelines and standards made under this Act.

| | |
|-------------|----------------------------|
| NAME | Naleeka Hly |
| DESIGNATION | Director |
| DATE | 19 th July 2018 |
| SIGNATURE | M. Hly |

