



## **ENVIRONMENTAL PROTECTION AGENCY (EPA) – GUYANA**

### **ENVIRONMENTAL AUTHORISATION SUMMARY REPORT**

**NAME OF DEVELOPER: Deodat Dhanrajh**

**NAME OF THE PROJECT: SIR Service Station**

**TYPE OF PROJECT: Gas Station**

**REFERENCE NO.: 20220516-DDSSB**

**PROJECT LOCATION: Lot 6 Section A, Hyde Park, Parika, East Bank Essequibo.**

#### **Overview**

Deodat Dhanrajh applied for Environmental Authorisation on May 16, 2022 to construct and operate a gas station located at Lot 6 Section A, Hyde Park, Parika, East Bank Essequibo. The facility will include canopy housing four (4) high flow dispenser pumps along with the storage of 20,000 gallons of gasoline in four underground tank, 20,000 gallons of diesel in four above-ground tanks and 3000 gallons of kerosene in one above-ground tank.

The developer intends to employ four (4) persons to facilitate the operation that will work based on a shift system. Also, the operation will utilize power from GPL and a backup generator during power outages.

It must be noted that no form of construction has commenced on the proposed site.

#### **Environmental Impacts and Mitigation Measures**

This project has to potential to impact the soil, air/noise quality, water quality (ground and surface water) and biodiversity through the construction phase and to a lesser extent during the operating phase. Though the project has the potential to affect the above listed environmental receptors, implementing the recommended mitigation measures would render these impacts insignificant or negligible. The mitigation measures include the construction of a functional oil-water separator, instillation of groundwater monitoring wells, installation of emergency response systems, operational/serviced fire extinguisher, use of a spill kit, turning off of heavy-duty machinery when not in use, working withing the stipulated time frame (i.e., 6am-6pm), the submission of an Emergency Response Plan, among others.

#### **Decision and Reason for the Decision (Recommendations)**

Given that the project is in a largely residential area and the quantity of fuel that will be stored onsite, it is recommended that it is placed on the 30 Days Public Notice so to notify



the residence in the area that a project of this nature will be undertaken. Should there be no objections, an Environmental Authorisation should be issued. Given the reasons stated below:

1. The proposed location is within a Commercial/Residential area and not in very close proximity to similar activities which may contribute to cumulative environmental impacts.
2. The design embedded controls and preventative measures such as the use of double wall storage tanks , bund walls, spill kits, fire safety measures coupled with working within stipulate timeframe (6am-6pm during construction phase) etc., will greatly reduce the probability of any significant environmental impacts.
3. The project is considered small scale given the quantity of fuel that will be stored on site where the associated impacts on physical resources, including air quality and water quality are negligible to low, short-term and localized.
4. The project's design will include the embedded controls/mitigation measures such as an encasing for the underground storage tanks, emergency shut off switch and an oil water separator, among others to minimize and/or mitigate for impacts to immediate receptors both flora and fauna as well as human health.
5. The project presents opportunities for employment and improvement of the local economy

Also, based on the fact that the project will not have any significant impacts to the environment (because of the quantity of fuel stored, location of the facility and embedded controls such as the use of double wall tanks, spill kits bund wall around the above-ground fuel storage tank, among others), all foreseeable impacts being mitigated using the aforementioned mitigation measures, and the fact that it is not within close proximity with any sensitive ecosystem, it is also recommended that neither an EIA nor EMP is required for this project. However, an Emergency Response Plan will be required for the project.