RB PETROLEUM PROJECT SUMMARY

Gas Station

Developer: Ryoan Balram

Developer Address: 452 Old Culvert City, Lethem Rupununi, Region 9

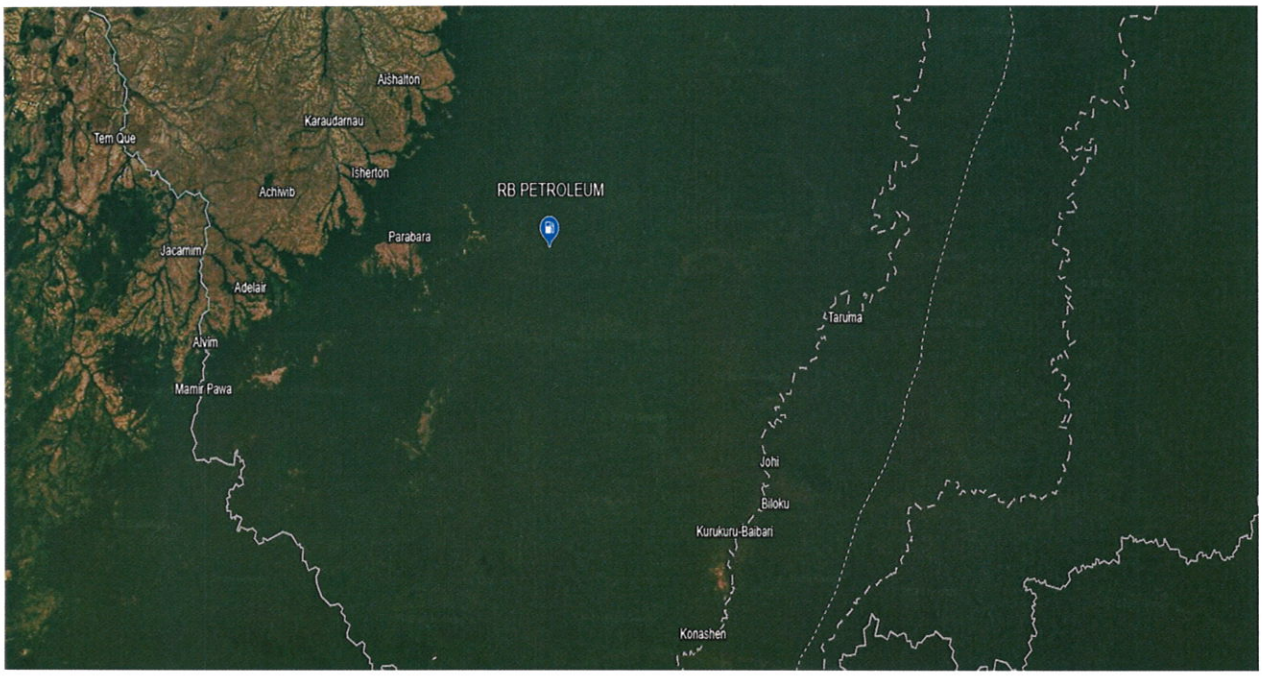
Business Name: RB Petroleum

Business Address: Marudi Crush Site, Marudi, South Rupununi, Region 9

Type of Operation: Gas Station

Location of Project

The project is located at Marudi Crush Site, South Rupununi Region 9. The current site contains approximately 40,000 square feet (200 feet by 200 feet (L x W). It is bordered by other commercial activities such as dwelling area, mechanic workshops, storage area, etc., while the access road is located on the south-western side.



Map showing the location of RB Petroleum

Status of the Project

The facility is currently in its operational phase. There are four (4) tanks present at the location with approximately 85,000 liters of diesel fuel, three (3) tanks with 15,000 liters each and one (1) 40,000-liter tank. Fuels are trucked from Georgetown to the location by the developer's fuel tankers and offloaded into the above-mentioned tanks and are resold to persons within the mining community. Additionally, one electric pump is used within the operation to dispense fuel when needed.

It should be noted that all tanks are located within one specific area and no pipelines are located underground. This allows for easy maintenance and regular inspections for leakage.

Potential Environmental Impact

The following Environmental Impact may arise from the gas station activities if proper measures are not in place:

- Noise Pollution from the offloading and onloading of fuel;
- Dust Pollution;
- Fire Hazard;
- Spillage of fuel.

Mitigation Measures

Noise pollution from the offloading and onloading of fuel.

Noise will be generated from the traversing of vehicles to and from the gas station location. Primarily, noise will be generated from heavy-duty trucks (fuel tankers) and customers/employees. In order to reduce noise at the location, systems such as signs that

will be visible to customers to turn off their vehicles when at the location, since heavy-duty trucks tend to generate a lot of noise. Offloading and onloading of fuel will generate some amount of noise since several fuel tanks are used at the facility. Management will look at the best way forward in using noise-reducing mechanisms to handle such.

Noise from Generator:

A 25 KVA generator is located at the back of the facility, which is used to power the operation daily. This generator will be placed in a room that would be made of hollow blocks to reduce any noise that is emitted from the same, and as such would reduce the noise output from the facility.

Dust Pollution:

Dust nuisance is predominant within the Marudi Area since most of the roads are not asphalt roads and are of laterite, which in the dry season is very dusty. As such, RB Petroleum can implement the use of wet suppression on the roadway leading up to the storage site and primarily around the gas station area. This can help in protecting our employees and customers while at the location.

Fire Hazard:

Mitigating fire hazards at the gas station will include a combination of administrative measures and emergency preparedness, as well as serviceable fire extinguishers and fire buckets. Additionally, the implementation of a water suppression system will be put in place give the amount of fuel that is stored at the location. This would not only assist in fire prevention mechanisms but also act as a sprinkler system to reduce dust pollution.

Spillage of fuel:

Accidental Spillage of fuel may occur at the gas station during operation from the refueling of vehicles, machinery, and/or tanks. In order to prevent spillage, drip trays will be situated around the fuel dispenser unit to capture any spilt fuel. Further, during the operational aspect of the gas station's activity, in the event of minor spillage, spill kits will be on site to be used and avoid the spilt fuel from spreading to the earthen surface. The absorbent materials will be placed in the garbage receptacle.

Power Generation

Given the location of the project, the main source of power generation at the location is from a 25 KVA generator set. This generator is used in the day-to-day operation to power the fuel pump and dwelling areas.

Waste Disposal

Since the facility has been in operation, minimal waste has been generated by customers and employees. However, notwithstanding the afore-mentioned, waste generated by the facility will be placed in garbage bins located around the fuel store area for the disposal of waste material such as boxes, bottles, plastic, papers etc. The waste would then be dumped in a waste pit created by the Guyana Geology and Mines Commission.

Operation of the Gas Station

The gas station has been in operation for several years, whereby fuel is trucked to the location and discharged into above-ground storage. The afore-mentioned fuel is then resold to customers from the storage tanks via a dispenser unit.

As it relates to safety measures of the gas station activity, firefighting equipment, such as fire buckets and fire extinguishers, are station around the gas station as recommended by the Guyana Fire Service.

In the event of an emergency at the location, serviceable fire extinguishers and sand buckets will be readily accessible to staff. Staff will be trained in emergency preparedness, and firefighting training will be requested by the Guyana Fire Service (pending, due to a high staff turnover rate). Furthermore, the dispenser unit and storage tanks stationed at the location will be monitored daily to prevent spillage and contamination of waterways or the earthen surface.

Employment

This project currently employs several individuals:

- Manager-1
- Driver-1
- Porter-2

Prepared by

R. Balram

Date

23-01-2026

Ryoan Balram
Proprietor