



PREMIUM PETROLEUM PRODUCTS

Project Summary



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1. PROJECT IDENTIFICATION

Project Title	Premium Petroleum Products
Address	Block X, Land of Canaan, East Bank Demerara
Operating Hours	06:00hrs – 18:00hrs
Contact Person	Linden Conelly - CEO
Number of Employees	Fifteen (15)
Total Space Occupied	6.1 acres
Sector of Operation	Fuel Facility

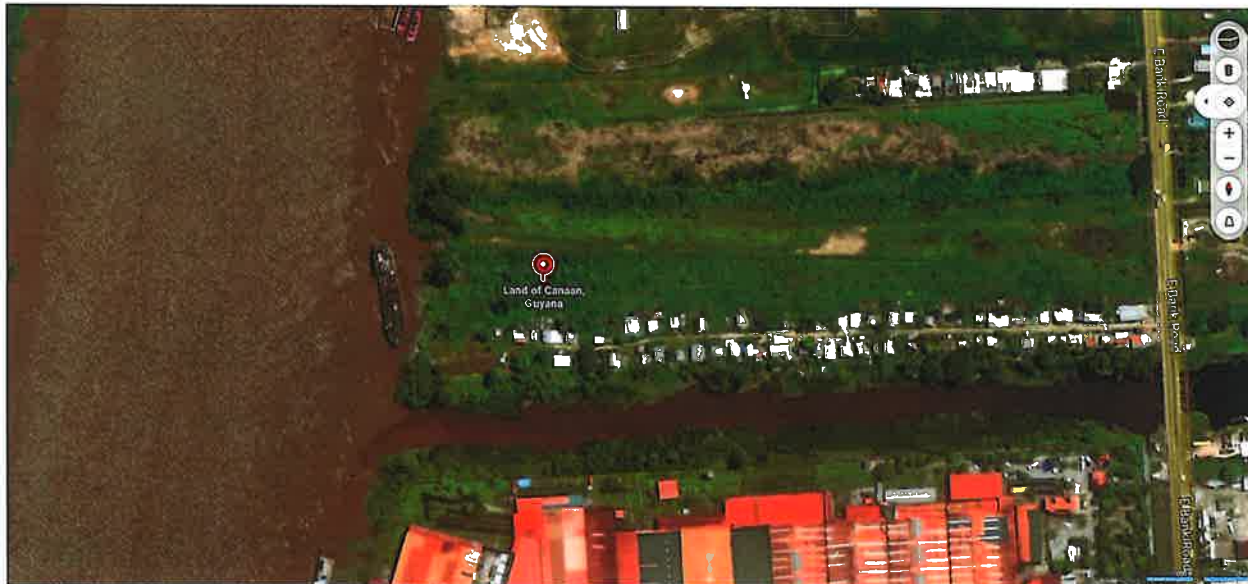
2. EXECUTIVE SUMMARY

This document presents a detailed technical project summary for Premium Petroleum Products, located at Block X, Land of Canaan, East Bank Demerara, Region 4. The submission is prepared to support an application for Environmental Authorization in accordance with the Environmental Protection Act of Guyana (1996).

The project involves the construction and operation of a wharf, fuel storage and storage bond facility. Premium Petroleum Products commenced construction in the 2026, with a three (3) phase approach. Phase one (1) will focus on the construction of the storage area, Phase two (2) will focus on the construction of a concrete wharf for fuel vessels to dock and phase three (3) will be the operation phase.

The facility will integrate sustainable design principles, structured environmental mitigation measures, and social responsibility initiatives aimed at minimizing ecological disturbance while contributing to regional economic growth.

3. LOCATION OF PROJECT



4. LEGAL AND REGULATORY FRAMEWORK

This Project Summary is submitted as part of the Environmental Authorization process administered by the Environmental Protection Agency of the Environmental Protection Act, 1996.

The project has been designed to align with all applicable national legislation and regulatory instruments, including but not limited to the Environmental Protection Act (1996), Guyana Energy Agency (GEA) Act, Cap. 56:03, Guyana Fire Service Act, Cap. 22:01, Maritime Administration Act, Cap. 49:01 and other local bodies.

5. PROJECT IDENTIFICATION

Premium Petroleum Products is a bulk diesel distribution facility.

The development schedule follows a strict phased approach:

1. Construction of the bulk fuel storage facility.
2. Construction of the commercial riverfront wharf.
3. Commencement of the operational phase

The main storage setup will consist of four (4) single-walled, aboveground metal storage tanks placed on the northern side of the facility to guarantee unobstructed space for regular regulatory inspections. Aboveground piping systems will interconnect the storage infrastructure with a specialized gantry system designed for safe vehicle and vessel fuel dispensing.

6. CONSTRUCTION PHASE

The project is actively in the construction phase and is currently non-functional. The removal of vegetation has been completed. the site has been sand-filled, and storage bond has been erected on the west side of the property to hold building materials.

The ongoing and remaining civil works required during this phase encompass:

- **Civil Infrastructure Construction:** Construction of the commercial fuel storage terminal infrastructure and the riverfront wharf.
- **Secondary Containment:** Building an impermeable concrete secondary containment bund around the aboveground storage tanks.
- **Drainage Installation:** Installing a complete concrete drainage system across the facility compound.
- **Treatment Systems:** Fabricating and installing an engineered oil-water separator at the final discharge point of the drainage network.
- **Piping & Gantry Systems:** Installing aboveground fuel transfer pipelines and erecting the product dispensing gantry system.

All construction works will be conducted from 06:00-18:00hrs daily.

7. OPERATION PHASE

Once construction finishes and operational permits are granted, the facility will store and distribute diesel strictly for commercial resale. The terminal expects to employ ten (10) full-time workers.

Daily operations will entail fuel receipt via the riverfront wharf or road network, inventory management, and bulk product dispensing via the gantry system. The operational lifecycle of the project is projected to be indefinite. Operational workflows will mandate daily visual integrity checks of storage containment systems, strict product logging to prevent stock variances, and rigid adherence to the facility's upcoming Emergency Response Plan (ERP).

Daily housekeeping services will be provided to the facility and all other areas to ensure a safe, healthy, aesthetically pleasing site.

8. UTILITIES

The primary source of electricity for the facility is supplied by the Guyana Power and Light (GPL) as the main source of electricity. Additionally, one (1)- 120 KVA Caterpillar backup generator will be use in the event of power outages. Water utilization will be restricted to domestic staff use and routine facility washing.

9. POTENTIAL ENVIRONMENTAL IMPACTS & MITIGATION MEASURES

While bulk petroleum storage presents inherent environmental risks, proper engineering controls and proactive mitigation measures will ensure that trade effluent discharges, point-source emissions, and operational noise levels remain well within Guyana's permissible regulatory limits. This prevents public nuisance and eliminates the risk of ecological degradation to the adjacent Demerara River.

10. AIR & NOISE

Due to the close proximity of residential (squatters) receptors (< 5 meters south) and commercial entities (50meters north), localized air and noise emissions must be managed tightly. Potential outdoor air quality issues stem from fugitive VOC emissions during fuel transfer or tank refueling, as well as exhaust gases (nitrogen oxides, sulfur dioxide, carbon monoxide) from the backup generator and heavy tank vehicles accessing the site. Noise impacts are primarily associated with the construction-phase concrete mixers trucks and the operational-phase backup power generator.

However, with the implementation of appropriate mitigation measures and considering that emissions are expected to be short-term and controlled, the overall air quality impact from the construction and operation is anticipated to be low.

10.1 MITIGATION MEASURES

Premium Petroleum Products commits to maintaining healthy air quality, the facility will implement routine maintenance and preventative measures aimed at reducing potential contaminants. Backup generator will be regularly serviced. Building systems and equipment will also be maintained.

Environmentally friendly paints and cleaning products with minimal or no solvent content will be used where needed. These materials will be securely sealed when not in use and stored in well-ventilated areas.

11. WATER USES/CONSUMPTIONS

Effluent will be generated from routine daily operations, including the use of restroom, stormwater accumulation within the tank farm zones and from general site maintenance activities such as washing the building and surrounding yard areas.

11.1 POTENTIAL IMPACT

The project site sits directly alongside the Demerara River (< 5meters western boundary proximity). The unmitigated release of untreated runoff or oily wash water could introduce petroleum hydrocarbons into the river ecosystem. This could cause localized surface sheens, oxygen depletion, water quality degradation, and acute toxicity to aquatic life.

11.2 MITIGATION MEASURES

To manage wastewater safely, the facility is engineering a dedicated separation and drainage train:

- An impermeable concrete secondary containment bund will be built around all aboveground metal storage tanks. This bund will be sized to capture 110% of the maximum capacity of the largest tank.
- A collection sump fitted with an automated submersible pump will be built within the bund floor to safely route collected stormwater effluent over the firewall.
- An engineered Oil-Water Separator (OWS) will be built at the final discharge point.
- All facility runoff will be collected by a dedicated concrete drainage system and directed through the OWS, ensuring that all final effluent meets the GNBS 2002 Interim Guidelines.

12. WASTE MANAGEMENT

The project will generate large amounts of waste from the construction phase which will be stored and disposed of by a private disposal service twice a week. During operation minor volumes of domestic solid waste from staff operations and hazardous waste streams from equipment maintenance will be generated.

12.1 POTENTIAL IMPACT

Improper handling or surface dumping of hazardous petroleum waste can lead to soil contamination, hydrocarbon leaching into shallow sandy soil layers, and corporate public nuisance. Uncontrolled solid waste storage can also attract pests and lower the aesthetic value of the commercial corridor

12.2 MITIGATION MEASURES

The facility will prioritize waste to reduce avoidance, and where waste generation is unavoidable, implementing reduction, reuse, and recycling measures.

- An operational fuel storage and waste register will be kept up to date to track materials on-site, which will be accessible for EPA inspection upon request.
- Industrial emergency spill clean-up kits stocked with absorbent sheets, containment booms, and drain seals will be purchased and placed near the storage and gantry transfer stations.
- Any hazardous waste streams, such as spent lubricants or waste oil from generator maintenance, will be safely contained, stored in a well-ventilated bond, and disposed of through approved hazardous waste handling protocols or licensed contractors.
- Domestic solid waste will be collected in sealed receptacles and managed through a private disposal service.

