

Environmental Impacts Screening Decision

Project location and components



Figure 1. The Trillium Energy mooring/docking location at Friendship, East Bank Demerara.



Figure 2. The vessel, Hakim Trader.

Hakim Trader is a vessel that will be used for bunkering by Trillium Energy Inc, whose parent company is CARLAT Petroleum LLC. Trillium Energy Inc. will be conducting bunkering activities within the Demerara River and will be docked at the Trillium Energy Wharf which is located at Friendship, East Bank Demerara. Hakim Trader has a storage capacity of 130,000 litres. There will be ten to fifteen (10 to 15) full time workers maintaining the bunkering operations. Trillium Energy Inc. expects to facilitate transfer of fuel from ship to ship for customers within Guyana's waters inclusive of the country's Exclusive Economic Zone.

Environmental impact screening

The EPA's screening concludes that there are no identifiable significant environmental impacts, especially on water quality, nor is the project deemed environmentally sensitive. Impacts arising from the operational phase of the bunkering project are minor, localized, and acceptable. An Environmental Management Plan (EMP) is a requirement by the Agency. It will provide measures to monitor, minimise and mitigate potential impacts during operations.

- Project activities will have minor effects on the existing ecological (flora or fauna) biodiversity of Guyana's water. Impacts on the environment associated with the ship-to-ship fuel transfer will have a neutral to low impact on the water body's fauna and flora due to close monitoring and mitigation efforts required by the EPA.
- There is low to moderate risks from oil spill and due to the stringent measures that will be implemented through monitoring, minimisation and mitigation efforts for the project and the required EMP
- This project is required to prepare an Environmental Management Plan (EMP) to manage identified low to moderate environmental impacts arising from the project along with a corresponding schedule and monitoring of mitigation measures to ensure potential impacts are maintained at insignificant levels. It also includes the institutional arrangements for implementing the EMP to ensure its effectiveness.
- Plans to mitigate environmental impact include the use of the Bunkering Plan, Ship-to-Ship Transfer Plan and the Shipboard Oil Pollution Emergency Plan (SOPEP) which will be utilised as part of the Standard Operation Procedures of the project activity.

Conclusion and recommendations

Trillium Energy Inc. proposed bunkering operations show no significant impacts nor is it deemed environmentally sensitive, however an EMP will be required to provide the set of measures to avoid, minimise, and mitigate any impacts and to include monitoring. Impacts that may arise from the operational phase of the project are minor, localized, and acceptable. . The proposed bunkering

service will provide support to Guyana's interior and intra-coastal industries, and therefore, the country's economy.