

Environmental Impacts Screening Decision

Machinery Real Estate & Integrated Services Inc. (MARINS) – Wharf Construction

Project location and components

The location of the project site is at 26 Providence, East Bank Demerara. The area can be zoned as mixed inclusive of Commercial and Industrial.

The wharf will be constructed adjacent to the MACORP Headquarters at Plantation Providence, EBD, along the right bank of the Demerara River.

This project and the proposed structure are intended to be used for the loading and offloading of various heavy-duty equipment, machinery, spares and various construction materials. This will contribute to the transport network of moving such items to and from the interior and along the coast. The construction of this wharf will contribute to the expanding mining and construction sectors.

The dedicated size of the wharf is estimated to be length 85.344m (280ft) and width 16.764m (55ft)

Environmental impact screening

The EPA's screening concludes that there are no identifiable significant environmental impacts nor is the project deemed environmentally sensitive. Impacts arising from the construction phase of the project are minor, localized, and acceptable.

No liquid effluent will be produced on site by any system. Any effluent is produced, it will be from fresh water being mixed with cement on site. In the Environmental Management Plan (EMP), checks and tests must be put in place so that any discharge into the Demerara River can be monitored in a periodic manner.

Given the composition and nature of the operation the following parameters can be impacted and will need to be monitored:

1. pH;
2. Chlorine residual; and
3. Chemical Oxygen Demand (COD).

There is the potential for dust and particulate emissions and noise emission originating from the project during:

1. The movement of heavy-duty vehicles, e.g., Trucks, and
2. Operation of a Generator set.

To mitigate this impact, the project will implement the following measures:

1. Will ensure all machinery and equipment are working efficiently and have the required silencers/mufflers installed where necessary;
2. Ensure that the operation maintains an impervious surface within the site to be used for vehicle movement to acting as a buffer for the vibrations during the construction phase.
3. Project proponent will implement mitigation measures recommended by the EPA for effective management where necessary.

The project during construction and operation will generate only non-hazardous wastes.

The developer proposed a Waste Management System, an onsite service that is responsible for the receiving of all on site wastes. The developer must ensure that these wastes are effectively managed during both storage and disposal.

Conclusion

The EPA concludes that the impacts of this project are localized and mitigable. As such, this Project will require an **Environmental Management Plan (EMP)** to address all potential impacts that may arise from such facility along with their mitigation measures.

It is therefore recommended, that this project be placed on 30 days public notice and an EMP in keeping with supporting information and thereafter be moved to permitting once no objections are raised during the publication timeline.