

Project Name: *Essequibo Quarry Inc*

Type of Operation: *Storage Quarry Materials and Sand*

Reference NO.: 20221207-EQISQ

Location: *Tract "X" Being portion of Plot Look Out East Bank Essequibo*

Justification for EIA Not Required

The proposed project will disrupt approximately 1.538 acres of land. The Company's primary objective is the stockpiling of quarriable materials including sand, loam, stone and laterite which will be sourced from their permitted quarry located at H-1040/MP/000/2020, Confluence of the Essequibo River and Hurikabra Creek, Region 7 (**Ref. No 20210922-EQLSH**). The operation is geared to fulfill the increasing demands for construction material in the local market. The plot of land encompasses approximately 1.538 acres of land, which will be operated as a storage area.

Based on the screening process (review of the available data, and observations/field inspections) the impacts from the proposed storage facility would be considered to below, minimal and acceptable due to the scale and nature of the proposed activity; which would be confined to the Project Area, and hence an EIA will not be required for the project.

From the assessment conducted, the community will not be directly affected by the proposed activities of the project once all mitigation measures are followed.

The proposed project site is located is located at Tract 'X' Being Portion of Plot 'B' Look Out, East Bank Essequibo.

Given the nature of the proposed Project, the following are the potential impacts that are likely to occur during construction and operation phases of the Project:

Surface water - The runoff from the stockpile may flow into the immediate drainage system causing sedimentation, which might alter the surface water quality of the water

bodies. This can happen during periods of high rainfall. In addition, given that fuel will be kept on-site, there is a possibility that a leak might occur, resulting in fuel entering the waterways and causing contamination.

Air quality - During the operation and construction phase of the project (storage of quarry materials and sand), fugitive dust will be emitted from the stockpiles of the materials. Notwithstanding the aforementioned, the mitigation measures that can be considered for air pollution control include (but are not limited to): Air quality compliance - Air pollution and dust need to be managed in compliance with the recommended limits for air quality.

Noise and vibration - will be emitted from the construction and operation activities such as the movement of heavy-duty vehicles that will be loading, offloading, and stockpiling of quarry materials and sand, along with the use of a generator.

Mitigation measures identified by the project are adequate to address its potential impacts and include:

- Dust nuisance – For the stockpile will institute wet suppression method such wetting 3 to 4 times weekly or as needed to prevent dust particles in the air.
- Sorting and transporting of quarry materials and sand will be done in a controlled and competent manner maintaining a stockpile height at permissible height 8 feet and covered with tarpaulin.
- Air quality and noise impacts will be mitigated by installation of buffer zones, sound suppression devices and dust suppression mechanisms (speed limits, wetting of haul roads, etc.).
- Sedimentation traps – to be installed in the drains surrounding the project area to trap free particles contained within effluent generated from surface runoff (storm water). Sedimentation traps will be maintained as required.
- All fuel on site will be stored in a fuel storage bond to prevent spills/leaks and installation of oil water separator in the drains.

Conclusion and Recommendations

The EPA concludes that there are no identifiable potential significant impacts likely to be generated from the Project since the project location ?? is suitable for the intended project type.

The impacts arising from the construction and operational phases of the project are minor, localized, acceptable and mitigable. The application and supporting documents submitted outlined adequate mitigation measures to reduce the impacts that the project may have on the environment. The implementation of environmental management practices in-keeping with international standards, best practices of the Mining industry will be required to provide safeguards in relation to potential impacts identified. Measures were provided to avoid, prevent, mitigate any impacts and also include monitoring of the environment.