

# Guyana Shore Base Inc.

## Project Summary- Operations of a Screens Warehouse



Prepared By: Shaleeza Ally

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# Contents

- Introduction..... 1
- Site Description..... 1
- Project Operation ..... 3
  - Storage and Inspection..... 3
  - Utility Sources ..... 4
  - Waste Management..... 4
- Project size and duration..... 5
- Potential Environmental Effects & Proposed Mitigation Plans ..... 6

## Introduction

The Guyana Shore Base Inc. (GYSBI) is a majority Guyanese-owned company based at Plantation ‘A’ Houston, Greater Georgetown. Our main port consists of 30 acres of developed land with immediate water access and four berths. In contrast, our 140 acres industrial estate has been designed to suit various needs, from simple storage to purpose-built facilities.

## Site Description

The Screens Warehouse is established at the western end of GYSBI’s Industrial Estate located at Tract GIL2 & AM1, Rome, East Bank Demerara. The surrounding areas include commercial and residential land use.

Based on risk assessments conducted on each aspect of operations, the services provided by GYSBI pose no immediate threats to residential, commercial, or industrial areas. This is made possible by the employment of knowledgeable, skilled, and trained personnel who constantly put mitigation measures into action and maintain them.



**Image 1.** Google Map excerpt showing the location of the Screens Warehouse and its surrounding areas

## Project Operation

### Storage and Inspection

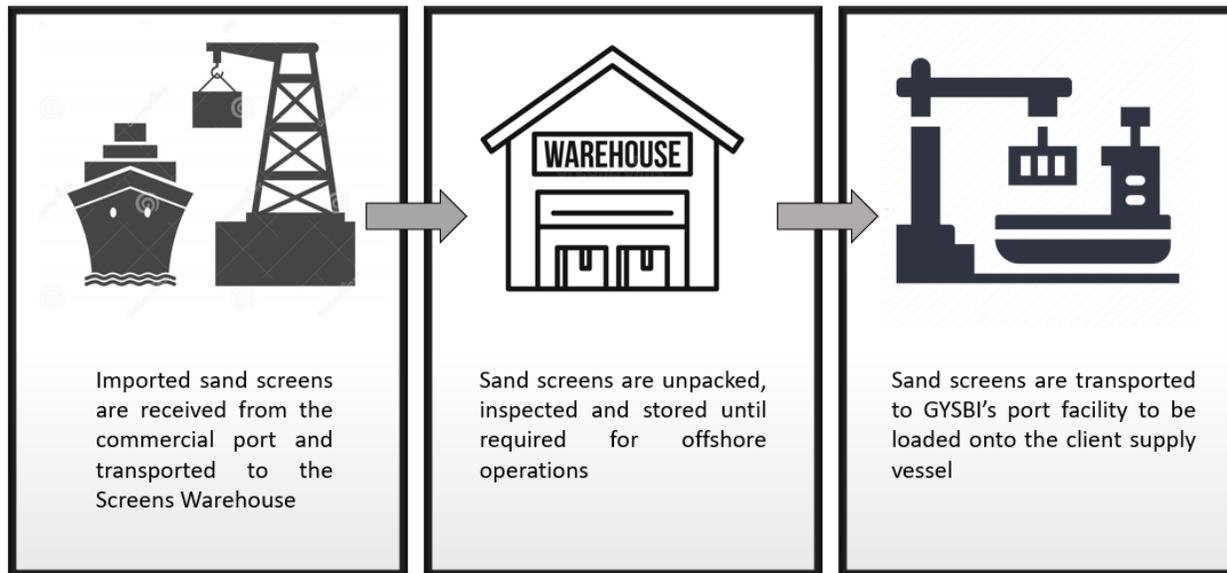
The Warehouse is designed to facilitate the storage and inspection of Sand Screens in support of offshore Oil and Gas activities. The operational activities at this Warehouse will not involve any production but only the storage and inspection of sand screens which allows for oil and natural gas to filter through the borehole keeping sand out during offshore drilling operations.

Imported Screens will be delivered to the warehouse by third-party truckers, where they are unpacked and stored. For the operation's handling aspect, forklifts subjected to scheduled maintenance will be utilised.



**Image 2.** Storage of Sand Screens

When Screens are required for offshore operations, they will be packed in certified cargo-carrying units and transported to GYSBI's main port via third-party truckers. The transport is done in accordance with GYSBI's journey management process which ensures that possible factors which may disrupt the journey of the Screens to the main base are accounted for, and mitigation measures are in place.



**Image 3.** Process Flow for Screens Warehouse Operations

## Utility Sources

### Electricity

Electricity required for the Warehouse is supplied via generators of capacities 250 kVA and 275 kVA. Waste oil produced from the maintenance of the generators is stored in IBC tanks in a bunded area until collected by an accredited waste management service.

### Communication

Communications will be done via mobile phones with cellular service provided by a local service provider.

## Waste Management

**Waste generated** by the project includes:

- Operational garbage (wood) from the screens packaging
- Domestic waste such as pet bottles, paper, food boxes etc

## **Waste Disposal**

- Operational and domestic waste generated will be placed in skip bins, which are placed in suitable locations.
- Septic tanks are in place for the collection and storage of sewage

Approved and accredited waste collection service has been contracted for the collection and disposal of waste generated from the operations of the Screens Warehouse.

## **Project size and duration**

The Screens Warehouse is expected to become fully operational in 2023 and will employ approximately thirty (30), local persons full-time. These include Logistics staff, supervisory staff, manpower providers, maintenance staff and equipment operators. The duration of operations of the Screens Warehouse is expected to be permanent.

## Potential Environmental Effects & Proposed Mitigation Plans

| <b>Effect</b>   | <b>Source</b>   | <b>Proposed Mitigation Plan</b>  |
|-----------------|---|--|
| Leaks           | This can occur due to equipment failure during operations   | All equipment will be inspected before use to ensure they are suitable. Additionally, all equipment is subjected to schedule preventative maintenance. Equipment used within the warehouse are forklifts and a Jib Crane<br>The site will be furnished with spill kits which are regularly inspected.<br>Material used in spill clean-ups will be sent to a waste management facility to be processed. |
| Noise pollution | The operation of equipment and transportation will generate noise.  | Noise-generating equipment or machinery such as forklifts will be used with the necessary muffling apparatus to reduce operational noise to acceptable levels.   |
| Air pollution   | Emissions from machinery used in warehouse operation, and transportation. Sources are the forklifts and trucks transporting the screens | The facility will be adequately ventilated.<br>The use of electric forklifts.  |

**Table 1.** Potential Environmental Effects & their proposed mitigation plans

Before the commencement of daily operations, staff must review the Operations Risk Assessment to ensure the process and risks involved are understood. All personnel will receive frequent training on critical parts of the facility's operation. Training will emphasise adherence to written operational procedures and policies, prompt reporting, and corrective actions for any deficiencies discovered.

GYSBI aims to conduct safe and secure storage and inspection operation while providing employment opportunities for many Guyanese. GYSBI will be fully compliant with all Health, Safety, Security and Environmental best practices, as well as any conditions the EPA stipulates.