

## PROJECT SUMMARY

PROJECT NAME: STORAGE OF MERCURY  
1229 ECCLES INDUSTRIAL SITE. E.B.D

DEVELOPER: CROWN MINING SUPPLIES  
LOT 9 NORTH BOURDA  
GEORGETOWN.  
TEL: 227-0001/0002

PREPARED BY: BHISHAM PERSAUD  
TEL: 227-0001

DATED: 25<sup>th</sup> JULY 2024

## **OPERATION/PROJECT DESIGN**

Crown Mining Supplies has been an integral part of the Mining Sector for the last Thirty Two (32) years and we have been importing and selling mercury for most of those years.

While we understand the Government's policies for reducing the usage of Mercury, we also acknowledge that it will take some time to phase out and for the mining sector to adapt to these new changes.

It is our intention to support the Mining Industry with these changes while ensuring that they can continue to work in the short term.

In keeping with the safe and environmentally recommended practices we have embarked on a new project to safely store any new imports.

This will be done at 1229 Eccles Industrial Site, East Bank Demerara. This is an ideal location for such a project, as it will be away from populated areas.

The Project is completed in terms of construction, design and preparation for storage.

## **DESCRIPTION OF STORAGE AREA**

The intended storage area is approximately twenty feet (20) by Thirty (30) feet, it is a fully enclosed area within an established bond. The area is secured by floor to ceiling walls made of heavy duty mesh, the area is well ventilated. The floor of the storage area is covered with an epoxy coating, which is a mercury- resistant material. The mercury will be stored in a bonded area to contain any spillage.

The industrial site has all the relevant utilities, including GPL, GWI, GTT and E. Network. For general garbage disposal, Cevon Waste Management is privately contracted. There will be no disposal requirement directly for the storage of mercury.

The storage area is equipped with all the relevant safety equipment which includes but not limited to fire extinguishers, safety gears, first aid kits and a Mercury spill kit. The area is also well labeled to identify the area. The bond is also impervious to flooding.

## **STORAGE OF MERCURY**

The Mercury will be stored in the original sealed flasks that it was imported in. This is a metal seal tight container with approximately Twelve (12) inches in height be four (4) inches in diameter. Each flask contains Thirty Four and a half (34.5) kilogramme (75.9 lbs).It will be transported to the bond in an enclosed vehicle.

It will be stacked in single rows on wooden pallets. It will be stored, Twenty five flask per pallet.

The Mercury will be sold by the flask. It will be delivered sealed so as to prevent contamination.

## **PROJECT SIZE**

Crown Mining Supplies intend to store Five Thousand, One hundred and Seventy Five Kilogramme (5175 Kg) of 99.99% pure Mercury. This is the maximum that is allowed to be imported by the Government.

The investment cost for the shipment will be US \$ 112,500, or the equivalent of G\$ 24,300,000.

## **POTENTIAL ENVIRONMENTAL EFFECTS**

There is no environmental effects expected to occur. The Mercury will be stored in sealed tight containers, so there will be no spillage or exposure to the environment.

## **MITIGATION MEASURES**

The following are some mitigating measures that are in place to prevent any spillage.

1. No decanting will be done at the facility.
2. There will be signs around the area with appropriate warning.
3. The flasks will have warning labels
4. We have a mercury spill kit in place
5. Employees will be appropriately trained on the handling and storage practices
6. Restricting access to authorized persons.
7. Inspecting the flasks regularly for any punctures and/or damages.