

PROJECT SUMMARY



Project Name: JSP Export Metal Scrap

Developer: David Persaud

Developer Adress: 28, Vive-La-Force, West Bank Demerara

Project Location: Lot 1 Helena No 2, Mahaica, East Coast Demerara.

Project Description

JSP Export Metal Scrap is an existing company that is engaged in the collection, storage and export of scrap metals to foreign markets. The facility collects, stores, sorts and exports both ferrous and non-ferrous scrap waste including iron, copper, brass and aluminum. These scrap metal wastes are collected from various entities and are brought to the facility. No used lead acid batteries are collected and or exported.

The difference between ferrous metals and non-ferrous metals is that ferrous metals contain iron and non-ferrous do not. They each have their own distinctive properties which determine the applications they are most suited for. The common ferrous metals include alloy steel, carbon steel, cast iron and wrought iron. These metals are prized for their tensile strength and durability. Ferrous metals have a high carbon content which generally makes them vulnerable to rust when exposed to moisture. Most ferrous metals are magnetic which makes them very useful for motor and electrical applications.

Non-ferrous metals include aluminium, copper, lead, zinc and tin, as well as precious metals like gold and silver. Their main advantage over ferrous materials is their malleability. They also have no iron content, giving them a higher resistance to rust and corrosion, and making them ideal for gutters, liquid pipes, roofing and outdoor signs. Lastly, they are non-magnetic, which is important for many electronic and wiring applications.

Operating Procedure is as follows:

1. Scrap metal waste is collected and delivered to the scrap metal yard.
2. It is stored at the facility until ready for export. Due to the size some pieces may require cutting with a torch to facilitate shipping.
3. An application is made with the relevant authorities to commence loading operations.
4. Loading is witnessed by CANU and members of Customs.
5. The containers are sealed while awaiting shipment.

JSP Export Metal Scrap operates between 08:00 hrs. and 17:00 hrs. on Monday to Saturday.

Project Site Description

JSP Export Metal Scrap is located at Lot 1 Helena No 2 Mahaica, East Coast Demerara. This facility serves as a storage area and a loading bay for the scrap metals. There is currently one building on the premises that houses security cameras. The site does not require additional construction or infrastructure at this time. Utilities such as electricity and water are supplied to the facility. There is no back up generator at present, but plans are in place to acquire one. One truck is used at this time to collect scrap metal waste and transfer to the facility. It should be noted that NDC approval has been given and an application has been submitted to Central Housing and Planning Authority.

Potential Environmental Impacts

Impacts to the environment from this project are minimal. There will be noise associated with loading and off-loading of scrap metals and from the generator when it comes on board. Seepage to soil is the main impact that will be associated with this project. However, all oil / grease contaminated metals are washed and drained prior to storage. There will be no air emissions that will be associated with the project.

Mitigation Measures

The following mitigation measures are currently implemented to reduce the potential adverse effect to the environment:

1. Scrap metals must be washed, drained and cleaned prior to storage.
2. Scrap metal will be stored on a concrete base prior to loading.
3. No burning of scrap metal waste will be conducted.
4. No used lead acid batteries will be collected and stored.
5. Transportation and sorting of scrap metal will be done in a competent manner so as to reduce noise and vibrations.
6. Operating hours will be 08:00 hrs. to 17:00 hrs. daily, except Sundays

Reference

1. <https://www.metalsupermarkets.com/the-difference-between-ferrous-and-non-ferrous-metal/>

