

Name of Developer: Maxweeney Doreen Larson

**Developer's Address: Long Creek Newtown Situated on the south of
Hauraruni Creek and East of the Soesdyke Linden Highway**

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**Project Location: Long Creek Newtown Situated on the south of
Hauraruni Creek and East of the Soesdyke Linden Highway**

Sector of Operation: Forestry

Project Type: Charcoal Production

Capital Investment: Approx. Guy Dollars 0.3 million

Annual Turnover: Approx. 0.5 Million Guyana Dollars

Project Duration: Approx. 3 years



Backgrounds

This project will provide employment for one (1) full time worker from the community along with the husband and wife, for the construction and operation of earthen Charcoal Pits. The pits will be set up in close proximity to where the raw material is available and the same wood will be used in the production of charcoal, it is uncertain of the amount of trees that will be harvested for the production of charcoal, however the dominant forest of the area is Dakama, and other species of trees that may be suitable for the charcoal production. A chainsaw will be used for the cutting down of trees within the designated Agricultural Lease area, after cutting the trees down it will further be chopped into smaller pieces and placed into the pits constructed.

The pits will be packed by placing the chopped wood neatly and compactly to prevent the pit from collapsing when the burning has commenced, this also helps if the pits burn slower since the amount of oxygen is limited from getting between the packed wood. The size of the pit is expected to be 8ft by 12ft.

Site Description- Location

The proposed location is at Long Creek Newtown Situated on the south of Hauraruni Creek and East of the Soesdyke Linden Highway , which has a total land area of 14.694 acres of Agricultural Lease Land issued by the Guyana Lands and Surveys Commission. Currently a small part of the land has been cleared and farming has commenced.

Process

Phase 1 : Identifying a suitable site and Digging of Pit.

A suitable site will be selected strategically at an area that will allow the pit to be used as long as possible meaning placing it at a central point where trees are in abundance will give the pit a longer lifespan.

Phase 2 : Harvesting trees

Trees within the area will be cut down and then junked into smaller more manageable pieces by a chainsaw and carried to the pit site and packed neatly into the pit.

Phase 3 : Lighting the Pit

After the pit is filled with wood it will be lit at different points, leaving the pit to burn and cool off naturally.

Phase 4 : Packing and Resale

After the burning and cooling process is completed and the wood is transformed into charcoal, it is packed into recycled bags and will be sold locally to customers.

Personal Protective Equipment(PPE) will be given to employees including Gloves, masks, visibility vest, long boots, gloves, respirator and any other PPE that may be suitable for the task being carried out. There will be a first aid kit on site for any incident of minor emergency/ injury, the project site is located approximately 5 minutes away from the Long Creek Health Post.

Waste Generation

Domestic and wood waste such as sawdust and wood chips are expected to be generated

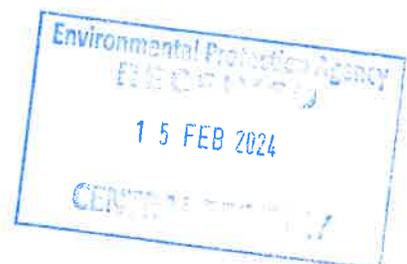
Domestic Waste - It is expected to have these kinds of waste inclusive of food boxes, plastic bottles/ bags etc. will be collected in garbage bins placed at various locations across the site and will be emptied in a solid waste pit that will be located away from the operation.

Wood Waste - These include sawdust wood ends, tree crowns and any other woody material in the forest would remain on the forest floor to decompose and utilize for compost, however the quantity of such materials are expected to be minimal and is not expected to affect the environment in any way.

Liquid Waste - Sewage will be disposed of in a pit latrine.

Hazardous Waste - It is expected to have less than one (1) liters of waste oil on site which will be stored in a tightly closed 5-gallon jar to prevent spillage and this will be reused on the chainsaw, this is the only hazardous waste that will be generated.

Fuel will not be stored on site and will be purchased on a need basis.



Conclusion

A small scale charcoal burning operation has the potential to have an impact on the air quality from noise and smoke nuisances which will be caused by the lit pits and chainsaw when in operation, however these impacts will be minimal. It is in the best interest to mitigate these impacts only one pit will be lit at and after that pit is completely burnt then the other pit will be lit and it will be monitored at all times also the surrounding trees will help to buffer the noise of the chainsaw when in use and will only be used when needed.

Prepared by: Maxweeney Doreen Larson