

Rice Milling Project Summary

Environmental Protection Agency
RECEIVED
JUN 02 2023
Whim Office

Tageraj Tulshi Rice Mill

Tageraj Tulshi

Cell: 671-2814

Date prepare: 1.6/2022..

Prepared by: Tageraj Tulshi..

Description

My rice mill is located at Lot 507, No 48 Village, Corentyne, Berbice. South of the main public road. Rear of my facility has no resident's only farm lands which includes rice farms, cash crop farms and large grazing area for livestock.

A main drainage canal runs north to south of my facility which receives cooled of milling water from the rice milling process.

The entire project area is flat, elevated so it is prone to flooding.

There is a site map including along with my application that shows the surrounding land use.

There are four large tanks which store water for soaking of paddy, this water is released into the main drainage canal. Discharge point is directly into the main drainage canal.

Project Design

No construction is taking place on site. The facility has already been constructed having all equipment and machinery on site and is fully operational which is on a seasonal basis.

The operation process involves the transporting of harvested paddy from rice farms located rear of the facility. This is stored in large Bulk tanks then transported by tractors/trucks to the rice mill area. On site there are four large tanks which paddy is placed in with water and allowed to soak for 24-48 hours. After this the paddy is precooked using steam, following the placing of all paddy by staff onto a large flat concreted based located front of the rice milling, this process involves further drying and loosening of the paddy shell from the paddy. During that time the waste water from soaking of paddy is allowed to cool off completely which is then released into the canal. The paddy is then place in a large underground tank after which it undergoes the entire milling process that includes separation of rice from paddy shell, cleaning, grading etc. After all of this is completed, rice is divided into brown and white rice which are placed in separate bags, stitched by staff off and pack inside of the mill.

Wholesaling and retailing is done right on site on a daily basis.

Water supply comes from the Guyana Water Incorporated and Electricity is supplied by Guyana Power & Light.

Project Size

- The capital investment at that time was nine (9) million.
- There are currently five (5) workers on site, three (3) permanent, and two (2) on rotation.
- During the crop cycle, an average of 60 bags of milled paddy is produced per day. The entire milling process is approximately 6-8 weeks.

Project Summary

Rice paddy is harvested by a combine from rice lands, loaded into a bulk tank or truck. It is then transported to the rice mill where it undergoes the entire milling process which at the ends produces brown and white rice, both are placed in differently labelled bags, sealed off by a machine used by a staff then packed separately in the rice mill. Wholesaling and retailing is done on site. The solid was produced are paddy shell and husk which is often reused in the steamer. Waste water from soaking of rice is cooled off and released into the main canal for the entire area.

Duration of project

This project has been ongoing for many of years, currently its operating on a scasonal basis. I intend to upkeep the project for a very long time. In the event that I plan to close the operation I will inform the agency in writing.

Potential Effects

Water – Waste water released in the past while still hot had a negative effect on farmers and livestock, this situation has been resolved as water is allowed to cool off completely then released into the main drainage canal.

Land – There are no effects to land since the entire area of operation is concreted. There is no use of hazardous materials on site. All solid waste produced is reused during the milling process.

Air – There are no effects to the air.

Natural resources – there are no effects on any natural resources from this project.