

Project Name: Sand Extraction in the Loo Creek Area

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PROJECT SUMMARY:

This sand mine is located on the Eastern Side of the Soesdyke-Linden highway in the vicinity of Loo Creek. It entails, the construction of 562 yards of loam road from the soesdyke- Linden highway to the site in order to access this location. This road is aligned at the shortest path and would be 15 feet wide to ensure two trucks can pass side by side at any given time.

At the beginning of the project, 5 acres of land would be de-bushed and then the overburden would be removed and stockpiled for reclamation of the area in the future. A box cut would be made with a front-end loader and this would create the opening of the open pit surface mine. As the pit progresses deeper, more land would be de-bushed and cleared of vegetation in order to access the silica sand.

It is estimated that approximately 5,600 tons of sand would be mined per month. The pit limit cannot be determined presently since the water table level in the area must first be determined. Mining is expected to be 2 yards above the mining table. Respreading of overburden would be continuous as the pit-face advances.

Stages in developing the project includes:

- 1, Clearance of Land
- 2, Constructing haulage road to sandpit
- 3, Sand mining

Total number of employees: four (4)

Hours for work: 6am to 12pm; then 1pm to 5pm

Drinking water will be transported to the site in 5-gallon bottles and workers will be required to prepare their own meals and walk with same.

Equipment being used:

1. Excavator
2. Sand trucks

Possible effects of the project on the physical environment may consist of:

1. Deforestation and Creation of mining pits. As such, we will have reclamation of the overburden to enhance vegetation growth.
2. Air pollution due to the sand mining. To curb such, we will keep trees around the extent of the designated area mined, at all times.
3. Mining will not be done directly to the extents of the mining concession. We will create a buffer zone and use water sprinklers to control dust emissions used roadway.
4. Noise may result from the operation of trucks and loaders. As such, our working time would be strictly between the hours of 6am and 5pm.

Note: We have no intention to mine below the water table, hence the ground water will be protected.