

PROJECT SUMMARY

JR. Construction & Environmental Services
(Service with Satisfaction)



Address: 29 E Ramphal St. Nigg Settlement, Corentyne, Berbice.

Tel: 322:3045
Cell: 624:5569

Jeenarine Ramchand – Managing Director

J. Ramchand
24/08/13

1. Overview

My operation entails the disposal of sewage from septic tanks for persons within the community and Government entities within Region 6. Removal of sewage for the septic tanks for the Government Agencies is done on a contract basis. This operation process is being carried out by two part-time employees who operate on orders.

2. Project Design - Operation Process

There are two trucks stored at the above address. Currently, only one truck is operational since the other one is under repairs. However, persons who request my service would make contact with the business number and provide the necessary information to me. I would then inform my workers who usually be at home about the order made. A date and time would be set for when the employees would visit the location to empty the septic tank. When the employees arrive at my address, they usually inspect the trucks that is they check the water level, oil level, and the truck tyres before they start working. My employees are equipped with their gloves, respirators, and rubber boots while on the job. Emptying the septic tank usually takes 20 minutes. The sewage is suctioned through a 3-5 diameter high-pressure hose and goes into the holding tank. When the job is done the hose is placed into a buck of water that usually be on the truck to wash out any excess sewage from the hose. The employees then dispose of the sewage at the New Amsterdam Dumpsite for a fee that is paid to the Mayor and Town Council.

3. Project Size

My Capital investment is approximately 10 million dollars. There are two part-time employees who do not work on a daily basis. As mentioned above they work based on orders received. There is one suction sewage truck that is used to perform the job when required.

4. Duration of the Project

J.R. Construction and Environmental Solution would be in operation for approximately three (3) years.

5. Potential Environmental Effects

Land – Potential sewage spills during removal of sewage from the suction hose.

Air – Potential Odour nuisance and gas nuisance from the sewage removal.

Water – Groundwater pollution may potentially occur during the disposal of sewage at the New Amsterdam Disposal Site.

6. Mitigation Measures

An emergency preparedness plan will be prepared and submitted to the agency.

Land – To avoid sewage spills during operation there is a bucket of water to wash off the excess sewage from the hose and that water is also suctioned through the hose and enters the tank on the truck. This usually occurs at the customer's location and the dump site. Potentially large sewage spill will be excavated and transported to the New Amsterdam Waste Disposal Site. Also, the land used to dispose of the sewage is designated by the Mayor and Town Council of New Amsterdam.

Air – Removal of sewage from septic tanks can cause odour nuisance and emission of gases such as methane, carbon dioxide, hydrogen sulfide, and ammonia. However, odour nuisance and emission of gases would be short-term since the removal process usually takes 15 – 20 minutes.

Water – Groundwater pollution may occur from the disposal of sludge, greyish water, and biomedical waste. However, the sewage is carefully disposed of following the instructions given by the guard station at the New Amsterdam Disposal Site.

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