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| Project name: | Galileo Depot (West Country Waste) | Project No: | 01/010/003/01 |
| Site/work location: | Galileo Close, Plympton, Plymouth PL7 4JW | | |

Proposed operational hours for the site (e.g. 6am-7pm Mon-Sat)

Monday to Friday 0830hrs to 1700hrs

Saturday and Sunday Closed

Bank Holidays Closed

Description of on-site activities to give an indication of potentially noisy machinery etc.

Fluid tankers arrive on site and connect discharge pumps to the system.

Using the tanker pump tankers unload into the de-ragging tank where rag is passively screened out of the waste material and drops into a sealed skip for disposal off site.

The residual waste material is then held in a sealed container, where it is allowed to settle for several days. During this period the solids within the material drop to the bottom of the tank and the fluids rise to the top.

Solids (cake) is left to accumulate in the container whilst the fluids are syphoned off to a holding container for discharge to the sewer. When the cake, within the container, fills approximately 70% of the container is replaced and the cake filled container is transported by hook lorry to a remediation centre.

The fluids are discharged up to twice a day as required. The flow out is monitored by Southwest water. The pH of the water is tested monthly by the on-site team and Southwest water test the outflow for Chemical Oxygen Demand every three months.

Operational activity's locations

No activities are undertaken inside.

All activities are undertaken within the yard.

Approximate number of tankers/heavy vehicle movements on the site each day

3 tankers per day or fewer.

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Proposed volumes to be discharged to the sewers and limitations on the discharge content.

Vacuum tanker volumes range from 10 to 55 cubm. Taking a precautionary view, using the largest tanker volume, this would be a maximum daily load of 165cubm. It is anticipated that up to 40% of this will be solids which will be removed by the system leaving 99cubm of fluids to be discharge per day.

There is likely to be additional settlement overnight in the retained solids and therefore a precautionary buffer of 20% has been added to the calculation.

At maximum capacity, with precautionary buffer included, the throughput of the facility is unlikely to exceed 200 tonnes/cubm per day with a discharge of 160 tonnes/cubm of fluid to sewer.

Southwest water has only placed a Chemical Oxygen Demand (COD) consideration on the water being discharged. Southwest waters are undertaking this testing themselves.

Additional information

If it would help the assessing officer the site and its operation will be very similar to the environmental permit EPR/SP3596HG operated by Westcountry Waste Management at Central Avenue, Lee Mill Industrial Estate, Ivybridge, PL21 9PE.