

Best practice at BDU & SSP Community Engagement



Introduction

The project installed a Drain Guard to the gully drain at the exit of the BDU site to ensure any contaminants or silt from surface water or cleaning operations were contained.

What we did

The Drain Guard is designed to be easily placed directly into the drain gully pot to catch oil and sediment from runoff before it enters drains. The high permeability of the Drain Guard allows the site surface water runoff to effectively and quickly drain away while filtering out any contaminants and silt.

The Drain Guard should be used as a 'last line of defence' to prevent sediment entering water and drainage systems and not as fail safe method to prevent pollution of the gully.



complicated filtration systems – they cost between £50 to £150 depending upon the filtration requirements of the guard i.e. silt, hydrocarbons, chemical etc.

- Drain Guards are easy to transport and can be installed and maintained by site operatives. They save time in comparison to sedimentation tanks and other filtration systems which take up space, can be difficult to install and require settlement periods.
- Drain Guards can prevent fines from pollution events and also expensive drainage surveys and remediation following a blockage.
- The Drain Guards are designed to be used for 3 to 6 months (depending on conditions). The bags can be emptied of sediment and reused but should be replaced if free oil can be seen floating and is not being absorbed by the filter.

Benefits

Environmental

- Drain Guards provide another control measure to ensure site discharge does not pollute surrounding watercourses or aquatic habitats with silt and other contaminants.
- Silt can kill aquatic life by removing oxygen from water and blocking sunlight. Silt carried by runoff can also contain other contaminants, such as oil and chemicals, which intensify the level of pollution.

Economic

- Sediment filter bags are very cost effective compared to other more

Supporting Benefits

- Less complicated than sediment tanks or silt buster systems used for larger schemes
- Have no noise or visual implications for the local community
- Less complaints through prevention of blockages and good relations
- This has now been employed on other Skanska sites due to the successful implementation at BDU

Meets SDS Objectives

- 12 – achieving CEEQUAL targets
- 19 – reduce the risk of pollution and nuisance
- 20 – maintain and enhance biodiversity on TLP