

Morris Street, Bury

Smart Sponge Maintenance Plan
Morris Street, Bury

Smart sponge gully adaptors by Naylor to be used in all private gully's situated within the private road. The smart sponges will be placed directly inside the gullies to capture any oil spills prior to entering the drainage system which leads to the river Irwell. Smart sponges absorb and lock in hydrocarbons and oil derivatives from surface water effectively, while still allowing high flow through rates. Smart sponge is also nontoxic and fully recyclable system that destroys bacteria and absorbs hydrocarbons on contact, making it very suitable for residential sites along with passing health and safety regulations.

The housing association (Irwell Valley) will take full responsibility for the maintenance of the smart sponge gully adaptors. This will include the responsibility of checking the adaptors on a regular basis which includes removing and weighing the sponges to determine whether the sponges need replacing. The housing association will also be responsible for replacing the sponges when necessary. Please refer to page 2 for Naylor Environmental Installation and Maintenance sheet.

Maintenance	Action	Frequency
Occasional tasks	Smart gully adaptors placed within private gully's to be checked and weighed. Maintained by Housing Association	Every 12 months
Remedial work	Smart Gully Adaptors to be replaced / cleaned out by Housing association in order to keep the drainage system and River Irwell clean.	Every 12 months

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Smart Gully Adapters

Smart Gully - Data Sheet

Introduction:

The Smart Gully range utilises the unique properties of Smart Sponge® to filter out hydrocarbons at street level before discharge into the sewers. Available as a Smart Gully Adapter (SGA) the units have been designed for both concrete and plastic street gullies and attach within the rodding eye thus not interfering with flow or maintenance procedures. The SGA's can be supplied ready fitted within the gullies or as a retrofit unit.

Range:

There are two types of SGA available to fit different styles:

SGAP2 - Smart Gully Adapter for use with Plastic Gullies

SGAC2 - Smart Gully Adapter for use with Concrete Gullies

Alternatively just quote your gully size and preference to receive a complete Smart Gully.

Design:

Units can be fitted in each available street gully and require no additional design as they do not affect the capacity of the gully.

Installation:

For retrofit installation, lift the gully grating and identify the outgoing pipe and rodding eye, withdraw the rodding eye blank and check it against the rubber seal of the SGA to ensure a correct fit. Remove the shipping tie from the base of the unit & discard, taking the complete assembly, ensuring the Smart Pak & rodding eye blank are in position, push the SGA into the rodding eye aperture within the gully until it sits tight against the side of the gully pot. After fitting ensure the front of the unit lifts off easily & replace it. Lower the grating back into position & your Smart Gully is ready for use.

Maintenance:

Maintenance of the Smart Gully is a very simple process & should be carried out alongside normal gully maintenance procedures. It is designed not to interfere with a normal gully sucking operation and the top of the unit should be readily identifiable by its reflective strips. On the first maintenance interval after installation (normally 12 months), insert two fingers into the holes at the top of the unit & lift the cover clear. Weigh the Smart Pak and if it weighs 1kg or more replace it (on installation an unused Smart Pak weighs 0.45kg). From this weight calculation its possible to set a more realistic maintenance schedule: if the unit weighs say 0.65kg after 1 year it has absorbed 0.18kg of hydrocarbons from its maximum potential of 0.55kg therefore set a replacement period of $0.55/0.18 = 3.05 =$ every 3 years.



SGA - Front & Back

SGA - Exploded View



SGA Back-plate installed in Plastic Gully



SGA Installed in Plastic Gully



SGA Installed in Concrete Gully

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