



# OPERATION & MAINTENANCE GUIDE

Regular inspection and maintenance is required to ensure the effective long-term operation of any of the Silt Sentinel Range or indeed any Silt Management System. Maintenance responsibility for these systems should be placed with a responsible organization, that is capable of removing the silt and debris from the site effectively.

Maintenance plans and schedules should be developed during the design phase. Specific maintenance needs of the system should be monitored, and maintenance schedules adjusted to suit requirements.

Maintenance requirements are described below.

## All models

- **Visual inspection of unit via the access cover at regular/ minimum monthly intervals and immediately following storm conditions or heavy rainfall. Inspect and identify any areas that are not operating correctly. If required, take remedial action to remove accumulated silt .**
- **SS300, SS500160 & 225 models** - Firstly remove and empty the internal filter basket. Then whilst the basket is removed, clean out any further silt and debris in the base of the unit. Then replace the filter basket, making sure it is relocated properly.
- **SS500A models** - Firstly remove the primary filter basket and empty the contents. Removal of the primary filter basket will give sufficient access to the main sump via the opening for a gully suction device to empty the base sump area. Once emptied, replace the primary filter basket, ensuring it is relocated properly. Finally the secondary polishing filter can be removed from its socket for cleaning. This can simply rinsed/washed off , removing any excess dirt from the filter membrane and then pushing back into the socket.
- **SS1000 models** - Firstly empty the main chamber of the trap/seperator and then once emptied, visually check the filter cassette for finer silts that may have passed through into the cassette via the filter screen. If you need to remove the filter cassette to clean, simply disconnect it via the rubber connector located at the top of the tube and empty the cassette and then replace into position. The washceptor has a protection cap on the top of the filter cassette, to prevent surface dirt entering the cassette via the grating. This is simply removed to clean out the cassette.

## General Housekeeping

- Monthly for 3 months, then at six monthly intervals, debris removal from catchment surface areas (where appropriate) and where this may cause risks to performance of product
- Annually, or as required remedial actions should include: Repair/rehabilitation of inlets and outlets and any pipework. Monitoring and inspection of these to ensure that they are in good condition and operating as designed. Particularly after large storms and at least annually

