

# FilterClear®



A BLUEWATER BIO TECHNOLOGY

## Waste Water Treatment: Kilmelford

### Background

Kilmelford, a small village near Oban, had recently installed a new WWTW with a double septic tank.

After installation it was discovered that the suspended solids and BOD levels in the treated effluent were breaching the consent of the shellfish directive.

The solutions put forward to bring the site into consent were:

- Long sea outfall
- FilterClear®

### Solution

After initial pilot work onsite, a manual duplex FilterClear® system was installed. It is housed in a 10 foot shipping container, which includes a backwash tank. The high solids load capacity allows the system to cope with the water coming directly from the septic tanks. The backwash water is sent to the head of the works wet well, which is then re-settled in the sites septic tanks.

The treated water is now able to be discharged.

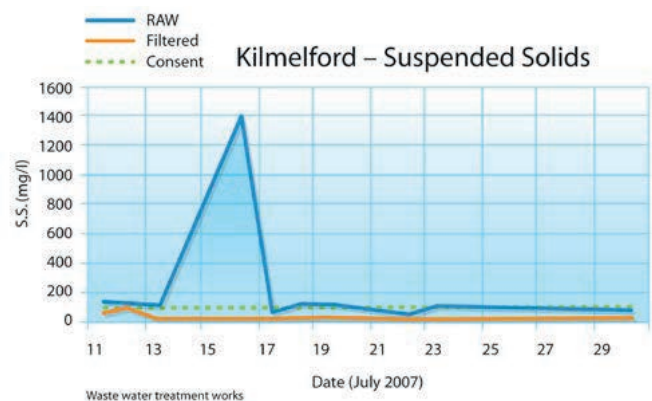
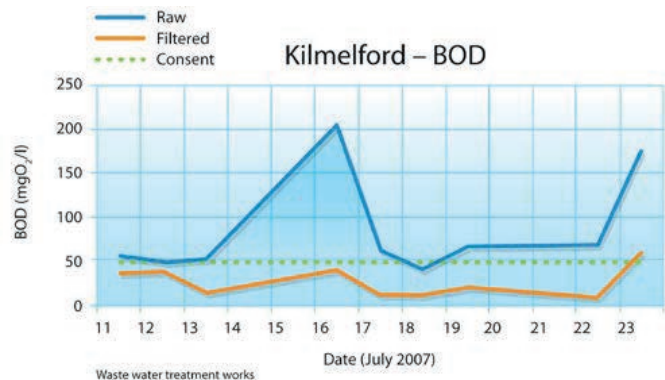
### Performance

After FilterClear® was installed the suspended solids were typically reduced by 85% and the biological oxygen demand (BOD) was typically reduced by 60%\*. This brought the works into consent, allowing the site to discharge without the need for a long sea outfall which would have been a much more costly option.

\*The reduction in BOD is associated with the solids removed.

### Scottish Water commented:

*"...a robust and simple solution to a long standing problem. FilterClear® proved themselves to be responsive and committed to the project. FilterClear® have saved us both time and money."*



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