



Case Study: Sewage treatment

Scope

Provide for the safe discharge of sewage effluent from the farm.

The existing situation

A small septic tank serving the farm was being discharged to a drainage field in the vicinity of the farm house. There were problems with the existing land drainage arrangements which were resulting in sewage ponding in the back garden from time-to-time.

Investigation of the local sub-soils showed that clays were commonly occurring; preventing the efficient operation of the land-drainage system.



In this rural area there were no public sewers available.

The scheme

An open ditch existed close to the farm complex. Discussions with the Environment Agency confirmed that they would be prepared to accept effluent discharge in to the ditch provided that the sewage was treated to a high enough standard.

We proposed to introduce a small sewage treatment plant to receive effluent from the farm and replace the existing drainage field with a new sewer and sampling point discharging directly to the open ditch.

Project outcomes

A new sewage treatment plant providing a high standard of treatment to the farm house effluent. Direct discharge to the ditch has removed the problems of periodic surcharging.

...clear thinking