

# Septic Tank Effluent



**Client:** Yorkshire Water  
**Location:** Monkton Colliery, South Yorkshire  
**Commissioned:** 2008  
**Purpose:** Solids Removal  
**Effluent type:** Sewage from septic tank



**Scope of Work:** ARM Ltd demolished the redundant treatment works and designed and built a full treatment solution, including installing a 1200 litre septic tank and a 350m<sup>2</sup> horizontal flow reed bed to provide secondary treatment of sewage from private dwellings and a day nursery.

## Design Parameters:

PE: 60  
Consent Requirements  
BOD: 40 mg/l  
SS: 60 mg/l  
Pre Treatment Septic Tank

## Design Solution:

Bed Type Horizontal Flow  
Bed Size 350 m<sup>2</sup>  
Plant Species *Phragmites australis*  
Bed Matrix Gravel