

Tertiary Treatment



Client: Imtech Process
End User: Welsh Water
Location: Crynant, West Glamorgan
Commissioned: 2008
Purpose: Solids and BOD removal



Scope of Work: ARM Ltd designed and built a 2400m² vertical flow reed bed treatment system to provide tertiary treatment of sewage to remove BOD and solids.

Design Parameters:

Average Flow 3400m³/d

Consent Requirements

BOD: 10 mg/l

SS: 15 mg/l

Pre-treatment

RBC & Final Settlement Tank

Design Solutions:

Bed Type 2 Vertical Flow beds

Bed Size 1200 m²

Total surface area 2400m²

Plant Species *Phragmites australis*

Bed Matrix Gravel