

Metal Removal



Client: Thomas Vale Construction
Location: Stourport on Severn, Worcestershire
Commissioned: 2007
Purpose: Metal removal including Boron
Effluent Type: Groundwater



Scope of Work: ARM Ltd designed and built a 240m² horizontal flow reed bed treatment system to provide remedial treatment of groundwater to remove metals.

Design

Parameters:

Influent Loading

As 80 µg/l
B 16,000 µg/l
Se 85 µg/l

Consent Requirements

As 100 µg/l
B 4000 µg/l
Se 20 µg/l

Pre-treatment none

Design

Solutions:

Bed Type Horizontal Flow bed

Bed Size 240 m²

Plant Species *Typha latifolia*

Bed Matrix Soil