Vertical Flow

natural waste water treatment

Client: Amec
End User: Scottish Southern Energy
Location: Aldbrough Gas Works, Hull
Commissioned: 2006
Purpose: Methanol Removal
Effluent type: Wastewater produced from gas storage

Scope of Work: ARM Ltd designed and built a 210m² vertical flow reed bed treatment system for the removal of Methanol and Benzene from wastewater generated from a gas storage facility.

Design Parameters:

Average Flow 0.6m^3/hr

Consent Requirements
BOD 60 mg/l
MeOH 45 ppm
Ph-H 1 ppm

Pre Treatment
Methanol recovery unit

Design Solution:

Bed Type Vertical Flow

Bed Size 210 m^2

Plant Species *Phragmites australis*

Bed Matrix Gravel

EXPERIENCE SHEET

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