

CASE STUDY – Water Treatment

The Treatment of Sealant Water from the Bottom of a Redundant Gasholder at Porthcawl, in South Wales

The gasholder was to be demolished and the water had to be removed and treated before being discharged to a soak-away in accordance with the Environment Agency's Discharge Consent.

The above ground structure, measuring some 34 metres diameter and 10 metres tall, contained a significant amount of water. To ensure full oxidisation of the metals in the water and to enable the fine particulate matter to settle out a Siltbuster was installed as a final process on the treatment chain.

The Siltbuster also acted as a “back stop” to intercept and settle out any particulate matter which passed through the upstream treatment chain, such as the coke filters.

Fed by gravity from the gasholder, Siltbuster treated the water throughout the contract period. Project Managers for the Project were Montgomery Watson Harza, Cardiff.