

Project Information:

Consultant	White Young Green Environmental Limited
Cost Consultant	Davis Langdon
Blackwell Role	Main Contractor (HBR)
Form of Contract	ICE Design and Build

Blackwell Site Management:

Contracts Manager:	Roger Lyes
Project Manager:	Geraint Jones



Services Include:

Civil Engineering **Earthworks** **Geotechnical** **Remediation**



Contract Summary:

The Royal Albert site comprised of five separate areas, totalling approximately 100 acres of land, which had been contaminated by previous uses. The site had previously been used as a disposal site for gas works wastes and for oil storage and distribution, paint production, coal storage and petroleum wharfage.

The site as a whole was to be reclaimed for use as a mixed residential, commercial and industrial development with public open spaces and landscaping. The contract had been let on a design and build basis, with the contractor responsible for the completion and approval process for the remediation strategy and for the design of the necessary remediation methods to achieve the approved site specific target values.



Key Processes:

As a consequence of the legacy of previous uses and the aim of maximising the asset value of all materials obtained on the site, the remediation process employed a variety of stand-alone and combined techniques. These included the following:

- Complex screening and sorting.
- Stabilisation using eclays.
- Soils washing.
- Bio remediation.
- Groundwater collection / extraction and cleaning.



In total, approximately 168,000cu.m of material was excavated, processed and reused on the project. This was achieved through the detailed management of materials handling, stockpiling and validations throughout the project.