

Project Information:

Consultant	Entec
Blackwell Role	Main Contractor
Form of Contract	NEC Option B
Contract Value	£3.23M

Blackwell Site Management:

Contracts Manager:	Adam Lane
Project Manager:	Phil Holden
Site Manager:	Frank Convey



Services Include:

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



Contract Summary:

Blackwell carried out the Tannery & Penpoll remediation contract on two diagonally opposite former industrial sites. The remediation of the contaminated sites between Hawthorne Road and the Leeds Liverpool Canal would enable the future development of 177 homes, retail units and public open space.

The sites had particular constraints, including the presence of housing on adjacent sides. This required the careful management of earthworks and remediation processes to ensure that disturbance to residents was kept to a minimum. The Tannery site was also bounded by the Leeds Liverpool canal, a sensitive receptor which required the strict monitoring and control of remediation operations.

The key remediation issue was the presence of large volumes of radioactive tin slag on the Penpoll site. This required the implementation of local radiological rules prior to undertaking the excavation and disposal of these materials. The implementation of a suitable monitoring regime was required, to ensure that all the material disposed of offsite was below the ionising radiation limit. This would also provide contingency, should any materials be encountered which exceed this level. These rules were needed to ensure that the workforce and general public were protected at all times during excavation operations and to provide a robust validation procedure.

Key Processes:

The main scope of the work included the following:

Tannery site

- Site clearance and demolition.
- The excavation and processing of oversite concrete slabs and foundations.
- The excavation, processing and disposal of redundant tanks and tank contents.
- The excavation, processing and disposal of areas of made ground.
- The filling of excavated voids with granular fill material obtained on the site.
- The treatment of the canal site boundary, to permit the excavation of made ground to encroach up to the site boundary.

Penpoll site

- Site clearance and demolition.
- The excavation and disposal of radioactive tin slag.
- The excavation, processing and offsite disposal of made ground.
- The filling of excavated voids to restore to ground level.