

TAMFOURHILL, FALKIRK	
Description:	Remediation of Former Landfill
Form of Contract:	ICE Design and Construct Conditions 2 nd Edition
Duration:	12 weeks
Contract Value:	£440,000
Client:	Falkirk Council
Clients Representative:	Enviros

The purpose of this design and construct scheme was the mitigation of the environmental risks associated with this former landfill, which is located immediately adjacent to the Union Canal. The landfill contents were heavily contaminated with hydrocarbons and there was concern that run-off water might carry pollutants into the watercourse. The project was won in competitive tender by producing the optimum solution to the Client's set of key objectives within a strictly limited budget.

The landfill was re-shaped and 15,000 Tonnes of clay were imported and placed as an impermeable capping layer. We worked closely with our designer SBA Geo-Environmental to develop a solution with final contours that allowed the retention of all of the contaminated material on site. SBA also undertook extensive soil testing on our behalf to validate that the imported capping material met the stringent criteria specified.

Our successful solution included the investigation and redesign of the existing foul and surface water drainage networks. We removed a primary source of contamination in an old tar pit and dealt with an outcrop of Japanese Knotweed by on-site encapsulation. The site was finished with topsoil, seeding, extensive tree planting and 600m of new footpaths.

