

PERTSHIRE	
<b>Description:</b>	Remediation of a residential property
<b>Form of Contract:</b>	ICE 7 <sup>th</sup> Edition
<b>Duration:</b>	4 weeks
<b>Contract Value:</b>	Confidential
<b>Client:</b>	National Grid Property Holdings Ltd
<b>Clients Representative:</b>	Parsons Brinckerhoff

This relatively small project was awarded as a package within our term contract with National Grid Property Holdings. It was representative of the issues that are typically faced in remediating a residential property that is next to former gasworks.

The conceptual model developed for the site was based on residential end use. The principal receptors were future site users, shallow groundwater, surface waters from the nearby River Earn and the underlying sandstone aquifer.

The project took place in the garden of the house that once accommodated the caretaker of the former gas works. The strategy was to excavate and segregate hazardous and non-hazardous material, then to dispose of each at suitable landfills. The excavated material was replaced by clean soil and the garden was restored and landscaped. A total of five boreholes were installed to allow follow-up monitoring of ground water and gases.

The main construction challenge was to carry out earthworks in a very restricted area. We used mini-excavators and small dumpers that were capable of taking access through the narrow passage beside the property. The dumpers loaded to large skips that were positioned on the street outside. Special precautions were taken to ensure that contamination was not extended to clean areas.

The total area of the site was only 200m<sup>2</sup>, with extremely limited space for the works or the site establishment. Excavation took place in the vicinity of live underground services and great care was taken to avoid damage, disruption or risks to health and safety.

It is pleasing to report that, despite the inevitable disturbance caused in this quiet area, relationships with local residents remained excellent throughout the project.

