

Station Road, Poulton-le-Fylde

Customer:	Redrow Lancs Ltd	Value:	£140k
	Redrow House, 14 Eaton Avenue, Buckshaw Village, Chorley PR7 7NA	Contact:	Chris Mills Technical Director

Scope of Work

- Stabilisation and Solidification treatment of 700m³ typical gasworks wastes found and contained in the bottom 2 historic gasholder bases.

Project Description



A former town gasworks, the site at Station Road had stood derelict for a number of years, constrained by contamination from its historic use and the route of a high pressure gas main bisecting the site. With the removal of the latter constraint, the remediation strategy developed 10 years previously, based on a dig and dump solution, was updated with the approval of Wyre Borough Council and the Environment Agency to allow ex-situ treatment of the most contaminated soils, to render them suitable for retention on site.

The position of the HP gas main meant the site preparation works were undertaken in two phases, with the soils treatment undertaken at the beginning of phase 2, to ensure all residual hotspots within the former gasworks site were investigated fully.

Excavation was supervised by independent consultants, Smith Grant Partnership LLP, with treatment undertaken in a prepared laydown area to mitigate the risk of cross contamination.

The materials of concern were removed by Urban Regen Ltd., transferred to the holding area and subject to the primary addition of the proposed reagent mix followed by secondary blending through an allu bucket mounted on a 25T excavator, to ensure the preparation of a homogenous product.

Following treatment and a subsequent 7 days curing period, 7 samples were taken for verification testing to ensure compliance against the strategy's approved target criteria.

The treatment was subsequently approved by the Environment Agency and the soils have been re-engineered into the works, ensuring the remediation phase of the development was able to avoid the use of the original landfill disposal option, without risk to the end users or follow on development operations.