

Bleasdale Street, Oldham

Customer:	Morris Homes NW Ltd	Value:	£140k
	Morland House, Altrincham Rd., Wilmslow SK9 5NW	Contact:	Paul Mossdrop Director (Morris)

Scope of Work

- Stabilisation and Solidification treatment of 2700m³ TPH contamination found and contained in the bottom a historic reservoir. The Total TPH concentrations found during site investigation were in the magnitude of 22,195mg/kg. Analysis of the TPH fractions shows that the TPH present was predominantly as the aliphatic and aromatic fractions >C21-C35 (97%) with a smaller amount present in the >C16-C21 range (3%) with quantifiable levels of asbestos > 0.1%w/w rendering any disposal to be classified as hazardous.



Project Description



Our sister company Urban Regen Ltd was engaged by Morris Homes Ltd, to undertake full site preparation and remediation of the former mill site following discovery of a reservoir covering half of the development site post demolition by others. A subsequent round of investigation encountered heavy TPH contamination at the base of the reservoir, with geotechnically poor overburden.



Stabilisation and solidification was chosen as the preferred treatment option to meet agreed leachate target criteria with the secondary benefits of preventing the need for hazardous landfill disposal, geotechnical improvements to the soils and the encapsulation of the residual asbestos risk.



The soils treatment was contained within the concrete reservoir structure until the material was fully recovered, providing a secure treatment area. Initial reagent trials were undertaken with 4 day tank tests undertaken to assess the optimum reagent mix. Following Environment Agency deployment notification the soils were processed, incorporating much of the retained perched groundwater within the process.

On completion, initial 4 day accelerated tank tests were undertaken (1 sample per 100m³ for the first 1000m³ and 1 /1000m³ thereafter) to verify successful treatment of the contaminated soils. All the treated materials were subsequently retained on site as engineering fills.