

Bioremediation and Groundwater Treatment — Manchester

Eneotech Environmental Ltd were employed by Manchester City Council to carry out ground remediation works on the site of the former Manchester City Football Club stadium Maine Road. Part of the site had historically been used as a Victorian landfill. Post demolition site investigation work carried out in house identified significant quantities of heavy petroleum hydrocarbon (>C16). The remediation objective was to treat this material, and provide suitable development platform for a large residential development.

The remediation strategy was developed between contractor and consultant with input from the pre-construction phase in house site investigation. The construction phase of the works focused on reducing hydrocarbon concentrations in soils to the site specific remedial criteria, allowing the materials to be backfilled alternatively landfilled as non-hazardous waste.

The contaminated soil was excavated, mechanically segregated, hauled to a treatment area and formed into biopiles 50% of the excavation took place below the static groundwater table, Eneotech Environmental Ltd mobilised a modular groundwater treatment plant including sand filter, granular activated carbon and phase separators to treat the water pumped from the excavation prior to discharge to sewer.

Remediation was operated in line with the conditions of the Deployment Plan and licensed under the company's Mobile Treatment Licence. Continuous monitoring of atmospheric emissions, noise and odour was carried out. BBE maintained a good record of health, safety and environment, and completed the project without a lost time incident. Regular stake holder meetings were held due to close proximity of residential dwellings.

Eneotech Environmental Ltd. Provides a wide range of remediation techniques to enable the redevelopment of contaminated land. We offer a full range of technologies

including soil vapour extraction, air sparging, soil washing, thermal desorption, bioremediation (windrow turning and ex situ static methods), stabilisation and solidification.

Eneotech Environmental Ltd is backed by decades of experience and interdisciplinary skills amassed by the Eneotech group of companies.

Our company Eneotech Environmental Ltd ranks as one of the most highly skilled and dependable services providers specialising in site rehabilitation, waste disposal and service platform preparation.

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