

Old Poplar Foundry Contamination Investigation

Project Description Sheet



Location

Longridge, Preston

Client

Alan Riding Builders Ltd

Completed

Ongoing

Key Project Elements

Phase 1 Land Quality
Assessment
Ground Investigation
Phase 2a Interpretative
Report
Remediation Design
Validation Report
Industrial Profiling

PSA Design were commissioned to assess likely contamination of the site of a former foundry & civil engineering contractor's works in Longridge, Preston. The land was to be developed for mixed use residential housing and commercial offices.

The site was investigated both for geotechnical properties of the ground, to aid foundation design plus a contaminated land assessment carried out in accordance with BS 10175:2001.

The investigation concluded that the site was underlain by a stiff clay of glacial till origin. Made Ground materials associated with the historic foundry activities were encountered across the site. The Made Ground showed elevated levels of inorganic metals, diesel and PAH.

A localised hydrocarbon plume was encountered associated with above ground spillage and underground storage tanks. Supplementary investigation and remedial design works were required to provide cost effective solutions to clean up the site to acceptable levels.

Remediation options were proposed and agreed with Preston City Council, which include some disposal, cover systems and various membrane construction types.

PSA Design provided full design services for the site including structural, highways and drainage works. The site is currently being constructed with supervision of the validation of the environmental remediation for the scheme