

## Glasshouse Fields, Stepney, London

### Our Services

- Supplementary Phase II Investigation
- Risk Assessment and Remediation Strategy
- Long-term Monitoring
- Verification Testing and Reporting
- Cost Advice on Environmental Solutions



### Remediation of Former Gasworks and Glass Manufacturing Site

**CGL** was appointed to determine the extent of the hydrocarbon within the groundwater encountered in previous investigations and to provide appropriate remediation options.

The site is located in Stepney in an area that had been used for glass making for several centuries. However, the site was also part occupied by a very early gas works, constructed in about 1840 and demolished prior to 1<sup>st</sup> Edition Ordnance Survey and was not identified by previous investigations by others.

The location of the site near the approach to the Rotherhithe Tunnel and buried tank structures complicated groundwater flows with flow travelling northward away from the river because of the tunnel approach structure.

A philosophy of removal of free product was adopted as the principle for groundwater betterment and agreed with the Environment Agency.

**CGL** monitored groundwater contamination undertook quantitative risk assessment and validated excavation remediation of buried gas holders and tanks.

Close liaison with the Environment Agency allowed groundwater remediation to occur while piling and other works progressed.

Post piling/remediation monitoring revealed substantial removal of hydrocarbon free product in the groundwater that satisfied the regulator and allowed planning conditions to be signed off.

Client: Kier London Limited