

## Old Gas Works, Boroughbridge

### Services to our client

- Intrusive Investigation
- Site Supervision
- Controlled Waters DQRA
- Remediation Design and Specification
- Remediation Implementation Plan
- Remediation Verification
- Liaison with EA and EHO authorities



### Remediation of former gas works

**CGL** was commissioned to review the results of a previous ground investigation and conduct further explorations at this former gas works, prior to the site being redeveloped into residential properties. We confirmed evidence of shallow groundwater and soil contamination due primarily to elevated concentrations of hydrocarbons (TPH and PAH), ammonia and cyanide. Subsequently, a DQRA was undertaken following the Environment Agency's remedial targets methodology to determine these remedial targets.

On the basis of these results, **CGL** produced a Remediation Implementation Plan (RIP) which was then agreed with the Environmental Health Officer and Environment Agency. This demonstrated that the groundwater beneath the site was unlikely to adversely impact the River Tutt via the aquifer, but that soil remediation was necessary to mitigate the risk of potential future damage.

**CGL** assisted in the tender process and appointment of the remediation contractor.

These works included hotspot excavations and on-site bio-remediation of impacted soil, with selected off-site disposal. **CGL** supervised the soil removal, verifying the remediation efforts and ensuring protection of surface water. We assessed the performance of the bio-remediation on a risk basis related to the final land use and redevelopment.

We also acted as the spokesperson, liaising with concerned residents whilst the site was undergoing these remediation works.

Finally, **CGL** produced a verification report for issue to the regulators in compliance with the planning conditions for the development. Additional remediation works verified by **CGL** included gas protection measures and capping layers in landscaping areas.

Client: C.K. Batchelor Building Contractors Ltd.