

Belvedere Remediation, Kent

Our Services

- Desk Study Phased Intrusive Investigation - Site Supervision
- Groundwater DQRA
- Remediation Design and Specification
- Remediation Implementation Plan
- Remediation Verification
- Liaison with EA and EHO
- Assistance with IPPC Closure Report



Remediation of Herbicide Plant

CGL was commissioned to undertake a pre-vestment site assessment of newly decommissioned chemical works. **CGL** completed investigation encountering evidence of shallow groundwater and soil contamination combined with free product, completed a DQRA using CONSIM. On the basis of the results, **CGL** produced a RIP which was subsequently agreed with the EHO and EA. This demonstrated that the site was not likely to adversely impact the River Thames via the aquifer, but that removal of free product was necessary to mitigate the risk of potential future damage.

CGL assisted in Tender process, with input to the contract documents, producing the specification and selecting the contractor. Remediation work was carried out by Celtic Technologies Ltd, including removal of 'free product' gross contamination from soils and the shallow groundwater, along with bio-remediation of impacted soils and pump and treat of NAPL. In addition, a bentonite barrier wall was installed at

the lowest point on the site boundary to prevent recontamination across the site boundary. **CGL** attended site full time during hotspot removal and verified the performance of the remediation in terms of protection surface water and site occupants. This involved re-assessing groundwater risk due to perched water and treated soils for re-use, requiring revision of the site CONSIM model to take account of the excavations undertaken on site and the backfilling process. **CGL** assessed the performance of the bioremediation on a risk basis related to the final land use and redevelopment to ensure suitability for use.

CGL produced a verification report for issue to the regulators to comply with the sale agreement and partially comply with the planning conditions for the development. The outstanding remediation including gas protection measures and capping layers in landscaping are to be completed by the developer as part of the construction works.

Client: Nufarm UK Limited