

## Belvedere Investigation, Kent

### Our Services

- Supplementary Phase II investigation
- Source Pathway/Receptor relationship
- Detailed Quantitative Risk Assessment
- Remediation Options Appraisal
- Remediation Strategy



### Investigation of Former Herbicide Manufacturing Site

**CGL** was appointed, as part of the duty of care for a sales agreement, to determine the extent of the contamination encountered in previous investigations, conduct a DQRA and provide a remediation strategy.

The site was formerly a herbicide manufacturing facility from the 1940s until 2009 when decommissioning and demolition commenced.

Site investigations by **CGL** confirmed contamination, mainly comprising hydrocarbons, phenols and ammonia in the soils and shallow groundwater beneath the site.

The River Thames is located approximately 350m downstream from the site and a DQRA was conducted to determine the risk to the river. The DQRA showed that concentrations in the minor aquifer (River terrace Deposits) and soils do not

pose a risk to the river. However remediation was recommended for the free product impacted shallow groundwater to provide betterment.

An options appraisal conducted by **CGL** indicated pump and treat is the most appropriate option to treat the shallow groundwater with selected excavation of impacted soils.

The remediation strategy has been agreed in principle with Bexley Council and the Environment Agency.

Remediation will comprise excavations to remove free product and a reactive barrier wall along part of the boundary to prevent recontamination from the adjoining site (former timber treatment).

Client: Nufarm UK Limited