

## Murphy's Pesticide Factory Site, Wheathampstead

### Our Services

- Site Investigation
- Conceptual Model and Sampling Strategy
- Environmental Risk Assessment
- Source Pathway/Receptor Relationship
- Remediation Strategy/Design
- Validation and Certification



### Remediation Design and Validation

Part of a former pesticide factory located adjacent to the River Lee and above the Chalk Aquifer was being put forward for redevelopment for housing.

The site, which was located on the former drum storage area, had been subjected to a programme of remediation, but the records were incomplete. **CGL** undertook an investigation of the site to determine the level of residual pesticides within the soil and groundwater, and to determine the presence of hot-spots of high pesticide levels.

In order to establish the risk to the river and the aquifer, a hydrogeological risk assessment was undertaken and a programme of monitoring agreed with the Environment Agency. In addition, a remediation scheme comprising the excavation of hot-spots and the encapsulation of the site by a sealed composite multilayer capping system was designed to prevent the leaching of contaminants to groundwater.

**CGL** negotiated the design solution with the Environment Agency and EHO and undertook a validation and certification role during the construction, together with groundwater monitoring to demonstrate the effectiveness of the protection works.

Upon completion, a validation report was compiled which assisted in satisfying the planning condition relating to the works.

Client: Rialto Homes Plc