

## Housing Estate, East London

### Our Services

- Site Investigation
- Source pathway/Receptor Relationship
- Remediation Strategy and Design
- Contract Documentation
- Management of Remediation
- Monitoring and Validation
- Expert Witness Services
- Liaison with EHO and Public Meetings



### Contamination Remediation utilizing Soil Solidification

**CGL** was commissioned to investigate and subsequently to manage the remediation of contaminated soils within private and communal gardens on a housing estate in East London.

Until the mid 1990s there was a power station on the site. In 1997 it was redeveloped for housing. Subsequent site investigation identified potentially unacceptable levels of contamination.

Investigation by **CGL** confirmed the presence of contamination, typically metals and PAHs, and a remediation strategy was agreed with the EHO.

As part of the remediation, soils were excavated to a depth of 1m within private gardens. Soils were sorted to recover hard core for use as a basal barrier layer. The remaining soils were treated using e-clay to stabilise contaminants. Treated soils were replaced in the excavation and capped with 300mm of clean imported topsoil and turf over a geotextile marker layer.

During the works, numerous buried obstacles and asbestos were encountered and a failed retaining wall had to be replaced which necessitated underpinning of the adjacent property.

All works were carried out in full consultation with residents, including a dedicated 'helpline' for queries and complaints.