

Project Profile

Sector: Health Risk Assessment

Project: Health effects of site clearance activities at the former B&L Transport site, Cuddington

Client: Vale Royal Borough Council and Entec UK

Period: 1999 – 2000



This site comprises an old unlined landfill into which a large quantity of industrial waste had been tipped between 1960 and 1969. The waste materials include old car parts, concrete, timber, textiles, bagged blue asbestos and a large quantity of hazardous drummed industrial chemicals including phenolic resins, ammoniacal resins, tars, and other unidentified chemical substances. The waste materials are being removed to a special waste landfill for safe disposal prior to redevelopment of the site.

Complaints have arisen regarding the odour arising from the site during the excavation of materials, and the potential health effects this may have. Vale Royal Borough Council invited Entec and LQM to assess the environmental impact and human health effects of the excavation and removal of the industrial waste.

LQM's role in this project is to estimate the nature of the chemical source term and emissions from the landfill site, and to scope the magnitude and effect of the various potential exposure pathways caused during the excavation of the hazardous waste. Entec UK are monitoring actual emissions during excavation, and these data will help LQM carry out the continuing assessment of the exposure of local residents during the removal of the waste materials.