



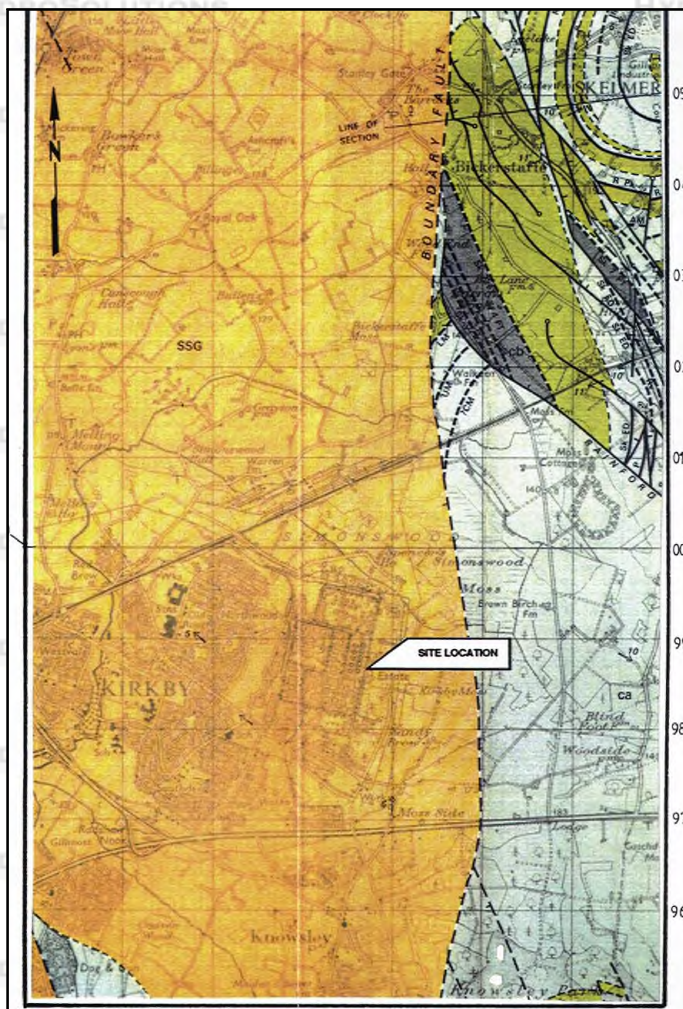
PROJECTS

CONTAMINATED LAND & GROUNDWATER

LEADING US PHOTOCHEMICAL MANUFACTURER

Site appraisal, photochemical manufacturing plant

Contam11



Part of geological map courtesy of BGS

An assessment of site conditions at a photochemical manufacturing plant was undertaken. Historical site operations and former waste disposal practices were examined through an audit process including staff interviews.

The hydrogeological setting of the area was considered to be highly sensitive, overlying thin surficial deposits above the major Triassic Sandstone aquifer, with downgradient public water supply bores.

A detailed sampling, analysis and health and safety plan was prepared. Site investigation comprised a soil vapour survey, trial pit and soil & groundwater monitoring bores.

Soil and groundwater contaminants were identified associated with the 40-year manufacturing of photochemicals, and also previous munitions manufacture at the site, including inorganic, metals and organic contaminants.

The natural attenuation capacity of the surficial deposits was examined, and concluded to be insufficient to prevent the likelihood of contaminant migration.

Recommendations were made for further work to determine potential liabilities associated with the identified site conditions.

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