

## Church Marshes Country Park, Sittingbourne

### Our Services

- Data Review
- Risk Assessment
- Design of Gas Protection Measures



### Landfill Gas Risk Assessment

It was proposed to develop a 25 hectare area of open space in Sittingbourne, Kent for enhanced recreational and educational use.

Mineral extraction occurred at the site in the 1800s and the resulting voids were infilled with a mixture of domestic and construction waste from the late 1800s up until 1974.

A playing field was constructed at the southern end of the site after landfilling ceased but this was later closed following complications with landfill gas and leachate.

Two closed landfills to the south of the site were constructed by Kent County Council after 1974. These landfills were filled with domestic and commercial waste and were completed in 1991.

**CGL** was commissioned to review the available investigation and monitoring data and to undertake an assessment of the risk posed by landfill gas to the proposed development.

The report summarised the site conditions, detailed the risk posed by landfill gas migration in the current and post-development states and provided recommendations for appropriate risk mitigation measures.

Client: Land Quality Management Ltd