

Pole Hall Quarry, Harlow

Our Services

- Desk Study
- Site Investigation
- Design of Gas Protection Measures



Landfill Gas Assessment

Sand and gravel extraction has occurred at Pole Hole Quarry since the mid 1950s and in the 1960s and early- 1970s areas of the quarry were infilled with domestic refuse from Harlow.

CGL was appointed to undertake an assessment of the existing gas and leachate regime in a major area of the quarry and to make recommendations for future measures. This assessment was to support a planning application to cap the landfill with inert fill to achieve a restoration landform.

Gas management had consisted of routine monitoring coupled with active venting through five venting stacks.

A study of data from 1995 to the present indicated that lateral migration of methane was occurring in the northwest of the area.

A site investigation was also undertaken which involved additional gas monitoring from the existing monitoring wells and vent stacks and the retrieval of leachate and surface water samples.

Advice was given to the client on the nature and extent of the production of landfill gases. Recommendations were made on the options for gas management to protect neighbouring properties from lateral gas migration and to reduce the impact of leachate production.

Client: Frank Lyons Plant Services