

Noise from Thermal Desorption Plant



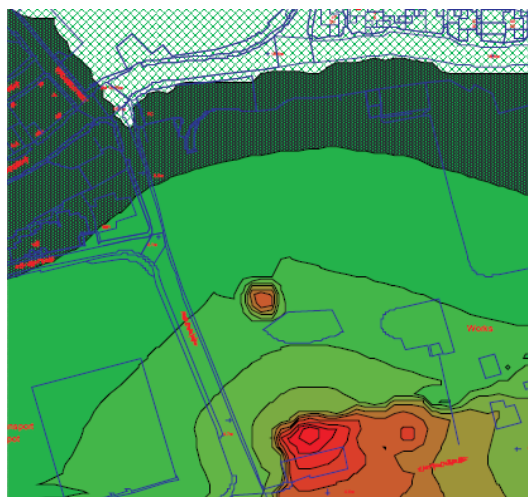
I&H Brown proposed installing a new thermal desorption plant at a former gasworks site to remediate contaminated soils. To be economically viable the process needed to operate 24 hours per day. The process involves heavy plant with the potential for causing sleep disturbance. The proposed site is overlooked by housing.

I&H Brown needed to ensure that the process could operate successfully without provoking noise complaints, to ensure the process operations would not be interrupted.

I&H Brown appointed The Airshed to conduct a preliminary assessment to help determine the feasibility of night-time working and to identify the level of noise mitigation measures likely to be required.

Three noise scenarios were assessed using an advanced computer model. The results from this prediction exercise were used to develop a mitigation strategy for the site and obtain adequate performance guarantees from the equipment suppliers.

The performance requirements and baseline conditions were agreed in consultation with the local EHO and the Environment Agency. The project subsequently operated without causing complaint and met all regulatory requirements.



The Airshed