

Environmental Assessment

Environmental assessment work is normally concurrent with conceptual/front end design and layout together with cost estimating and requires a considerable interface between these functions and our environmental engineers. As Foster Wheeler has all of these skills in-house it means the client is saved both time and money.

Foster Wheeler offers full environmental assessment services for the production of Environmental Impact Assessments, Environmental Statements and similar documents, which may be required to accompany applications for permits to construct new developments or major expansions anywhere in the world. The Company is particularly experienced in the preparation of these documents for the process, utility, and energy industries and will administer on behalf of clients the obtaining of all licences and consents.



Environmental Legislation and Statutory Compliance

We are familiar with the requirements of statutory and local authorities and with the implications of land designation and land policies.

We maintain an up to date library of International, National, and EC environmental legislation

Environmental assessment work usually requires a number of specialist skills. Many of these are available "in-house" and a selection are described below.

Specialist surveys that may be required e.g. marine surveys and dispersion modelling of discharges, or geotechnical investigations are carried out by specialist sub-contractors to Foster Wheeler specifications.

Emission Dispersion Modelling

Foster Wheeler retains a suite of internationally recognised computer dispersion models for the modelling and assessment of ground level concentrations of vent and stack gas pollutants. These skills are backed by extensive experience in abatement and monitoring equipment for such pollutants.

Community Noise

Our noise specialists are able to carry out community noise surveys. Using our own specially developed computer program, predictions can be made of any likely increase in community noise due to a development. Noise attenuation measures that may need to be applied are also specified and costed.

Visual Assessment and Landscaping

Through our graphics group we are able to provide photomontages and artist's impressions of proposed developments. Our architects provide supporting expertise.

Ecology

We have an ecologist who is fully familiar with the national and international systems for nature conservation as well as with the many types of ecosystems, their sensitivity and their representative flora and fauna.

Waste and Contaminated Land Management

Foster Wheeler provides a full Contaminated land assessment and remediation service and is familiar with the laws and conventions regarding waste handling and disposal.

Effluent Treatment and Aqueous Discharges

From our extensive experience in process design and water treatment we are able to recommend the optimum treatment systems to minimise and render liquid waste streams harmless and to meet or better statutory discharge conditions.

Construction Effects

Data related to project construction, such as manpower levels, noise, material and lorry movements, and the extent of temporary construction facilities required are provided by our Safety award winning construction HSE division.

Socio-Economic Implications

National and local socio-economic effects of a major project are assessed with assistance from our economists and our extensive library of national and international socio-economic data.

