



PROJECT SUMMARY

IPPC Application, Gas Fired Combustion Plant, Coventry



KEY PROJECT ELEMENTS

- **GAP ANALYSIS**
- **PROCESS DESCRIPTIONS**
- **BAT ASSESSMENT & JUSTIFICATION**
- **WASTE MINIMISATION AUDIT**
- **NOISE SURVEY**
- **APPLICATION SITE REPORT**
- **IMPACT ASSESSMENT**
- **EP OPRA / H1**
- **SUBMISSION OF ELECTRONIC IPPC APPLICATION**
- **REGULATOR LIAISON**

Under the Pollution Prevention and Control regime (PPC), the operator was required to submit an application for an operating permit within the Energy Activities sector. The combustion plant comprises 4 individual boilers, has an installed aggregate capacity of 85.4MW rated thermal input and provides steam to the chemical manufacturing activities on site. The project includes:

The project included:

- A gap analysis against the requirements of the PPC regime;
- Review of Best Available Techniques (BAT) within the draft sector guidance and European BAT reference documentation;
- Definition and agreement of the installation footprint and interaction with the Chemical Works;
- Creation of process flow diagrams and descriptions of the main plant and associated activities such as water and effluent treatment;
- Descriptions and assessment of both the control techniques and abatement technologies in place;
- Completion of an Application Site Report, including Tables D1 and D2, using existing site data, site reconnaissance and other information.
- Site maps and plans including all emission points and sensitive receptors;
- Auditing of waste minimisation, management and control;
- Noise survey and report;
- Description and assessment of the operator's management techniques;
- Compilation of raw materials inventory, water and energy usage;
- Emissions inventory and benchmarking;
- H1 impact assessment study and detailed dispersion modelling of atmospheric emissions;
- Comparison with BAT throughout the application;
- Compilation and confirmation of the EP OPRA spreadsheet;
- Preparation and submission of the electronic IPPC application; and
- Support and liaison with regulators and other interested parties.