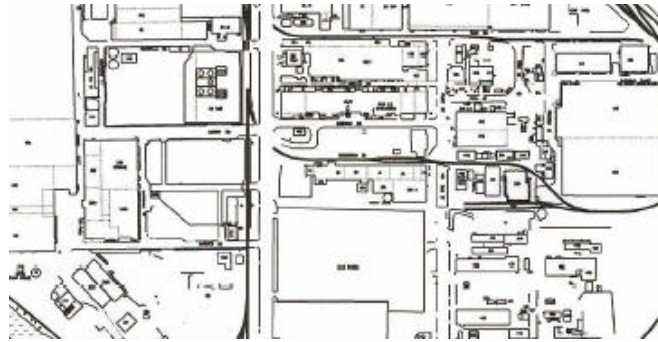




## **PROJECT SUMMARY**

## **IPPC Application, Organic Chemicals, Derby**



### **KEY PROJECT ELEMENTS**

- **GAP ANALYSIS**
- **PROCESS DESCRIPTIONS**
- **BAT ASSESSMENT & JUSTIFICATION**
- **WASTE MINIMISATION AUDIT**
- **NOISE AND ODOUR SURVEYS**
- **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 Organic Chemicals sector for a site covering some 360 acres. The scope of the application included the main cellulose acetate manufacturing and chemical recovery activities, along with associated activities such as effluent treatment and a CHP plant. The project included:

- A gap analysis against the requirements of the PPC regime;
- Review of Best Available Techniques (BAT) in relevant chemical sector guidance and European BAT reference documentation;
- Definition and agreement of the installation footprint and interaction with the other permit operators;
- Creation of process flow diagrams and descriptions of the main plant and associated activities such as effluent treatment and CHP;
- 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 and site reconnaissance findings;
- Site maps and plans including all emission points and sensitive receptors;
- Auditing of waste minimisation, management and control;
- Noise survey and report;
- Odour assessment 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, detailed dispersion modelling of atmospheric emissions and detailed BAT assessments;
- 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.