



PROJECT SUMMARY

BAT Assessment – Natural Gas Processing

Confidential Client, UK



KEY PROJECT ELEMENTS

- **PPC
IMPROVEMENT**
- **GAS REFINERY**
- **ACHIEVING BAT**
- **MINIMISING
NATURAL GAS
PROCESSING
IMPACTS**

CRA was commissioned by a UK gas processor to carry out an assessment of the options available to reduce the environmental impact of a gas compression process. The refinery has a permit to operate under the Pollution Prevention and Control (PPC) Regulations. Under their EMS Improvement Programme, the client wished to review existing technology in order to ascertain whether the technology in place continues to meet indicative BAT requirements and to identify further improvement options.

CRA performed a systematic assessment to determine BAT for the process within this installation. Performance targets to meet indicative BAT as set out in the relevant BREF and PPC Guidance Notes were identified. The environmental performance of the current technology was assessed with respect to state-of-the-art in terms of the technical, operational and economic feasibility of options to meet and exceed indicative BAT requirements. Technical, operational and managerial options were evaluated in terms of their feasibility, the likely reduction in emissions and other environmental impacts to be achieved and their cost effectiveness.

From the assessment it was determined that the existing technology continues to meet indicative BAT requirements. A range of feasible options were identified which, when implemented through the client's EMS Improvement Programme, will allow further improvement in environmental performance over and above that required to meet indicative BAT standards.