Best Available Techniques (BAT) assessment

Demonstrating the application of BAT regulations.

Under the Environmental Permitting Regulations (EPR) / Pollution Prevention & Control (PPC) regulations operators must demonstrate that their operations cause no significant pollution and that they represent BAT in the prevention and minimisation of pollution.

What we offer
In order to provide this demonstration, ABB has developed a BAT assessment methodology for use by operators on new permit applications and existing plant and for permit variations to demonstrate the use of BAT.

ABB’s phased approach to practical BAT assessment involves the following three key phase:

- **Phase 0** is to establish the existing environmental impact, document the key objectives and selection criteria for the remainder of the assessment and to perform a literature search for potential options
- **Phase 1** is to perform a coarse screening exercise on the potential options identified in Phase 0 based on the chosen selection criteria
- **Phase 2** is to perform a more detailed environmental cost benefit analysis of the most credible options so that BAT can be determined
Through the application of ABB expertise and the proven ABB methodology, the environmental cost benefit of candidate options can be assessed and the BAT determined.

**Benefits**
- Compliance with regulatory guidance and requirements
- Provides the required BAT justification and gives confidence to proceed with a project.
- Provides a clear understanding of the factors influencing the selection of candidate techniques
- Saves time and money

**Why ABB?**
- Our experience and expertise in the preparation and successful reporting of BAT assessments for a variety of sites and industry sectors
- Our understanding of Environment Agency (EA) and Scottish Environmental Protection Agency (SEPA) requirements for BAT justification under the EPR / PPC regime and the interpretation of relevant regulator guidance
- Our ‘practical’ approach to ensure that the details of the BAT assessment are cost-effective and provide sufficient information to meet the regulators requirements
- ABB’s extensive knowledge of the oil and gas, petrochemical, chemicals, consumer and pharmaceutical industries