

**David C Thompson**  
**External Consultant**



Tel: +44 (0) 20 7242 8444  
E-mail: cwa@cwa.uk.com  
Website: <http://www.cwa.uk.com/>

**Qualifications** MA (Cantab).  
**Affiliations** Past President International Fertiliser Society.  
**Date of Birth** 10 June 1942.  
**Nationality** British

**Current Position at CWA**

External Consultant with CWA Minerals Department. Fertiliser specialist. Ex-ICI technical specialist with expertise on all types of fertiliser, their manufacture, quality control, handling and transport.

**Summary of Previous Employment**

**1999 to present**

Since leaving full time employment, work has been performed as an independent consultant in a number of areas, primarily in the field of fertiliser quality. Quality problems involving all the main types of commercial fertiliser (NPK, urea, ammonium nitrate, phosphate rock and potash) have been investigated. Overseas visits have been performed when necessary. Although most problems have been resolved by technical and/or commercial discussions it has also been necessary to appear in the High Court as an expert witness.

**1989-1999**

**Senior Technologist/Technical Specialist, ICI/Terra Nitrogen**

Recognised as company expert in all aspects of fertilizer technology (Manufacture of Nitric Acid, Ammonium nitrate, Urea, NPK fertilizer by granulation and by blending)

Participant in European Fertilizer Manufacturers Association (EFMA) work in the field of fertilizer plant effluents. Team member for the IPPC BAT Reference work on ammonia production. Author of the EFMA booklet on ammonium nitrate plant effluents

De-bottlenecking of ammonium nitrate plant by 20%

Quality Assurance Manager for the fertilizer registration

Preparation of IPC (IPPC) and CIMAH (COMAH) documentation for the regulatory authorities

**1977-1989**

**Plant Technologist/Deputy Manager, Urea Plant, ICI**

- Improved output by de-bottlenecking projects
- Improved energy efficiency – reduced urea plant steam use by 20% per tonne of product
- Conducted many investigations, including accident investigations
- Representative on the Urea Business Team

**1964**

**Joined ICI Agricultural Division from University of Cambridge as Research Chemist**

- Research into Physical Properties of fertilizers especially storage properties
- Manager of semi-technical plants for silage additives and animal feeds

• Manager of laboratories in a wide range of fields including handling of complaints

- Quality Controller for import of fertilisers in bulk in coasters

## **Publications**

Proceedings of the Fertiliser Society (now the International Fertiliser Society)

- “An Overview of Efficient Manufacturing Processes” with G D France,
- “Best Available Techniques in Fertiliser Production” with B Christensen and P Maguire,
- “Fertiliser Caking and its prevention”,
- “Safe Handling and Storage of Granulated and Blended Compound Fertilisers containing Ammonium Nitrate” with KD Shah MBE.
- “Practical and Theoretical Aspects of Fertiliser Sampling”

Several papers written for various international conferences on fertilizer plant effluent reduction including presentations to the International Fertilizer Development Centre (USA) (on behalf of EFMA), EFMA East-West symposia, and ANPSG Conference (USA).

“An energy audit procedure for large single-stream plants” (originally for symposium on large plants) is available as a training workshop.

“ISO 9002 Four Years of Certification” written for IFA international conference in Amman Jordan.

“The Chemical Industry and Public Image” with J K Reynolds and C J Dawson for EFMA ‘East/West’ conference in Prague

Four presentation papers written for IFDC Study Tour for issue to participants on various aspects of fertiliser quality.

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