

Recent projects include:-

- The project management of the decommissioning of the MC40 cyclotron for the Medical Research Council. Acting as client representative and project designer as appropriate.
- Project management of the removal of mechanical and electrical services related to the cyclotron installation within the 6 storey cyclotron building.
- The removal, size reduction and disposal of a 100 tonne yoke magnet from the mausoleum within the Hammersmith site.
- The removal for recycling of a 500Ci Cs source from The Gambia to Hungary.
- Sourcing of Zn64 stable isotope to Japan.
- Advice to UK Ports Authority on the treatment of unintentionally contaminated shipments.
- Consultancy work related to incineration services for Low Level Waste.

2005 to 2007 - Director Liabilities Management & Site Director Harwell Operations GE Healthcare Ltd

- Policy and strategy management of a \$0.75 billion global nuclear liability.
- Compliance with IAEA, US and UK radiological and financial regulations.
- Financial modelling of radiological and environmental liabilities.
- Maintaining decommissioning programmes.
- Decommissioning and construction works carried out in Europe, the Far East and the USA.
- Managing safe operations at a Nuclear Licensed Site in compliance with NII and EA Regulations.
- ILW waste management.
- Regulator and stakeholder dialogue.
- Waste disposal and decommissioning contract negotiations.

Projects included:-

- Processing of Alpha contaminated waste disposal drums intended for sea disposal in 1983.
- Manufacture of Cf252 reactor start up sources.
- Disposal of 1000 tonne graphite reactor core.
- Manufacture and recycling of 500Ci Co-60 sources.
- Cyclotron decommissioning review China.
- Cyclotron decommissioning review Japan.
- PET cyclotron installations Japan.
- Decommissioning of Cs-137 facilities UK.
- Development of Tritium recycling facilities UK and USA.

2000-2005 - Director Liabilities Management Nycomed Amersham / Amersham plc

- Policy and strategy management of a \$0.75 billion global nuclear liability.
- Compliance with IAEA, US and UK radiological and financial regulations.
- Financial modelling of radiological and environmental liabilities.
- Maintaining decommissioning programmes.
- Decommissioning and construction works carried out in Europe, the Far East and the USA.
- Introduced unique and cost effective tungsten filament X-ray techniques for the remote examination of drummed Intermediate Level waste.
- Return sources operations.

Projects included:-

- Processing of Beta Gamma contaminated waste disposal drums intended for sea disposal in 1983.
- Decommissioning of Sumitomo 750 cyclotron in Chicago, Illinois.
- Construction and project management of liquid waste disposal plant in Chicago, Illinois.



- Due diligence for MC40 cyclotron in Shanghai, China.
- Decommissioning of liquid effluent treatment plant in New Jersey, USA.
- Construction of Intermediate Level Waste storage facility in Amersham, UK.
- Construction of Intermediate Level Waste storage facility in Cardiff, UK.
- Design and construction of Liquid Waste treatment plant in Cardiff, UK.
- Construction, design and operation of sources recycling facility in Paris, France.
- Construction of liquid effluent treatment plan in Hanover, Germany.
- Construction and project management of Intermediate and Low Level waste processing plant in Buchler, Germany.
- Construction of Caesium plant decommissioning facility in Amersham, UK.

Additional Information

- Contract negotiation specialist
- Broad Civils and Buildings experience
- Specialist project experience including services and infrastructure for pharmaceutical installations, including cyclotrons and cyclotron services.
- Policy and strategy roles experience
- Frequent dealings with nuclear and non nuclear regulators coordinating applications and responses.
- Member of the organising committee of the Waste & Decommissioning Symposium in Tucson, Arizona.
- Advisor to Augean Ltd for the disposal of Low Level Waste.

Education and Training

- Manchester University - Degree in Civil Engineering
- Institution of Civil Engineers - Chartered Engineer
- American Institution of Mechanical Engineers - Honorary member





ABNC Ltd

CURRICULUM VITAE HUGH ABBOTT BSc Eng CEng MICE

Synopsis:

20 years management experience of operational, strategic, policy and financial aspects of Waste, Decommissioning, Engineering and Due Diligence. These activities have been carried out in Europe, America and the Far East.

Extensive project management, design and construction experience relating to the installation of solid and liquid waste storage and treatment systems.

Management of decommissioning projects in Europe, USA, China and Japan. These have included two cyclotrons in the USA, one cyclotron in China and a review of the installation of ten cyclotrons in Japan.

Extensive involvement in a wide variety of stakeholder dialogue exercises relating to planning and environmental issues. These stakeholders have included local business, neighbours, regulators and other consultees.

In 2007 ABNC Ltd was established to provide project management and consultancy services to users of nuclear technologies.

ABNC projects have included the Project Management of the decommissioning of a cyclotron for the Medical Research Council (MRC). Best Practicable Environmental Option Study for the incineration of Low Level Waste and the use of Russian technology for the disposal of graphite reactor cores.

Career History:

2007 to date - Managing Director, ABNC Ltd

2005 to 2007 - Director Global Liabilities Management & Site Director Harwell Operations - GE Healthcare Ltd

2000-2005 - Director Global Liabilities Management - Nycomed Amersham / Amersham plc

1994-1998 - Manager Waste and Decommissioning UK - Amersham International plc

1990-1994 - Manager Waste Operations - Amersham International plc

1986-1990 - Project Manager - Amersham International plc

1979-1986 - Project Manager - Marconi Space and Defence Systems Ltd

Experience:

2007 to date - Managing Director, ABNC Ltd

- ABNC specialises in pragmatic solutions to nuclear challenges whilst ensuring regulatory compliance.
- Involved in Nuclear Applications in the Defence Industry, the Energy Industry and the Pharmaceuticals Industry.
- Specialist in Waste & Decommissioning strategy, facilities provision and project management services.
- Prize winner Illinois Governors Prize Contribution to Environmental Improvement.



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