



Boiler Operative Accreditation Scheme

In association with Combustion Engineering Association (CEA) GASTEC and Carbon Trust



Why Attend a BIB Cochran BOAS Course?:

At BIB Cochran we understand the need for safe, efficient and reliable operation of your boiler plant. A poorly operated and maintained boiler will increase your running costs significantly. In addition, emission levels may be increased which are not only harmful to the environment, but may be outside the levels permitted by legislation, leaving the boiler owner liable for prosecution.

A correct and regular routine is the best way to ensure that your boiler plant remains at peak efficiency, keeping your costs at a minimum. You can help to achieve this by developing the skills and awareness of your boiler house staff through a BIB Cochran Training Course regardless of boiler and associated equipment.

BIB Cochran are one of a limited number of corporate bodies accredited by the Combustion Engineering Association to administer the BOAS course, which gives your staff a formal qualification (Cert IBO).

Operating your boiler plant with qualified operatives also demonstrates an ongoing commitment to your obligations under Health and Safety Legislation.

Course Design:

The course is designed to allow delegates practical hands on experience and team exercises. Each delegate is supplied with handouts, including technical publications to support the course, giving additional reading beyond classroom lectures.

There will be four days of classroom based lectures mixed with hands on experience and practical case studies followed by a one day written and oral examination covering all aspects of the preceding days topics. An independent assessor from CEA will assess the candidates at the end of the week.

Courses are scheduled to run on a monthly basis at our Annan Training Centre.

Benefits:

- Increased safety of operatives
- Qualified personnel
- Increased operational efficiency
- Operate within current legislation and best practice
- Reduce downtime
- Helps comply with current and future government efficiency regulations
- Can lower insurance premiums
- Greater workforce morale

Objectives:

- To provide delegates with a knowledge of current legislation and environmental requirements
- To understand the need for safe operational requirements and how this influences personal performance and plant output

Qualifications:

- Delegates who pass will be awarded the qualification of Certified Industrial Boiler Operative with the designated Cert IBO
- The qualification is valid for five years.
- Refresher courses are available upon request for delegates throughout the five year period

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BOAS Schedule

Day 1	Basic Heat & Transfer Concepts Terms Conversion of Water into Steam/Units Heat Transfer Deposits	LUNCH	Draught & Combustion Elementary Principals of Combustion Air Combustion Products Natural, Induced & Forced Draught Systems
Day 2	Feed Water Feed Water for Different Boilers Simple Principles of Water Treatment Blowdown Systems Carry-Over Discharge of Effluent	LUNCH	Control & Instrumentation Boiler Instrumentation Water Testing Instruments Pressure & Level Switches Controllers Works Tour
Day 3	Safety & Legal Requirements Basic Need for Continued Awareness Principal Legislation Legal Requirement Safety Rules & Practices Good & Bad Practices	LUNCH	Energy Efficiency & Environment Terms & Methods Portable Instruments & Installed Instruments Steam Tables & Energy Efficiency ENVIRONMENT Legislation Emissions to Air Other Emissions
Day 4	Boilers and Auxiliaries Principal Types of Boilers Construction Features Feed Systems Fittings & Mountings Methods & Pressurisation OPERATION Preparation Raising Pressure	LUNCH	Operation & Fuel Concepts Special Precautions Bringing on Load & On-load Operations Abnormal Conditions Routine Checking Preparation & use of Log Sheets FUEL CONCEPTS Fuels, Terms Storage, Safety Features
Day 5	Written Assessment - All sections	LUNCH	Written Assessment - All sections

The BIB Cochran Training Department will be pleased to discuss any specialist training requirements you may have through tailoring courses specifically for your needs. However the following courses are offered as standard:-

BOILER OPERATION & SAFETY AWARENESS COURSE (BOSA)

A 1-day, on-site course designed to provide a basic understanding of the everyday operation of boiler plant, covering essential daily and weekly routines, boiler fittings, water treatment, combustion, emergencies and Health & Safety issues.

BOILER OPERATION & MAINTENANCE COURSE (BOM)

This is a 2-day intensive course designed to provide boiler operators, maintenance staff, plant technicians and engineers a thorough grounding in the everyday operation and maintenance of boilers, burners and boiler auxiliary equipment. The course also covers the relevant Health and Safety issues, fault identification and emergency situations. The ultimate aim of the course is to make sure that the plant can be operated safely, efficiently and economically.

HEALTH AND SAFETY IN THE BOILERHOUSE COURSE (HSB)

A 1-day, on-site course designed to cover all health and safety regulations within your Boilerhouse:- Noise at Work, Asbestos, Manual Handling, Working at Height, Lone Working, COSHH, Safety Data Sheets and Confined Space Regulations. We also cover Electricity at Work, Risk Assessments and Method Statements as part of the course.

BOILER OPERATION & SAFETY AWARENESS (BOSA) SEMINAR

This is a 1-day seminar designed to provide a basic understanding of the everyday operation of boiler plant, covering essential daily and weekly routines, boiler fittings, water treatment, combustion, emergencies and Health and Safety Issues. Held at monthly venues throughout the UK.

For further information on any of our training courses, please contact our Training Department.



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