

# “Technical Boilerhouse Risk Assessment”

## To achieve “BG01 Compliance”



**DO YOU COMPLY WITH YOUR LEGAL OBLIGATIONS?**  
**Risk Assessments are a legal requirement under the Management of Health & Safety at Work Regulations 1999 (MHSWR) Section 3.**

**Cheltenham Chase Hotel, Cheltenham**  
**25th, 26th, 27th September 2018**

**Tankersley Manor, Sheffield**  
**4th, 5th, 6th December 2018**

### Technical Conference Workshop (two-day event) + (One day for MCPD, BG04, I-GAS)

**The Combustion Engineering Association (CEA) has been running a series of conferences to help industry understand the changes that have been published in the HSE guidance, INDG 436: Safe Management of Industrial Steam and Hot Water Boilers.**

In October 2011, PM5 was replaced by INDG 436, supported by BG01. The CEA have carried out a number of conference workshops across the country supporting these guidance documents.

**BG01 has become recognised as industrial best practice** for steam and hot water boilers and highlights the legal requirement to carry out a “Technical Boilerhouse Risk Assessment” under the Management of Health and Safety at Work Regulations 1999 (MHSWR)

Delegates attending previous conferences have requested further support from CEA to help them understand **what is required, who is responsible and who needs to take action** within the organisation to comply with **the law**. (Non-compliance with HSE guidance and the law are attracting substantial fines and potentially custodial sentences\*).

Having responded to this request, CEA and its members created the Technical Boilerhouse Risk Assessment Conference Workshop to achieve compliance with BG01.

This workshop will explain in detail what is required to carry out the Technical Boilerhouse Risk Assessment.

This assessment is not focused on slips, trips and falls but as the title suggests is a comprehensive technical assessment carried out by a small team of staff.

**It is essential for owners, operators and managers to ensure their staff are aware of the risks and their respective responsibilities for the safe operation and management of their industrial steam and hot water boiler plant.**

**\* The Judiciary have been given new sentencing guidelines and penalties have increased significantly. HSE can prosecute you even if you haven't had an accident???** If HSE knock on your door they have more power than the police, they can prosecute you and the company if they think you are in breach of guidance even if nothing has happened.

**\* Your insurance company may well be looking at things differently today. The Competent Person has a duty to report to HSE if they believe your system has serious defects or imminent danger - PSSR Regulation 10.**

# Technical Boilerhouse Risk Assessment

To achieve 'compliance with BG01'



## CONFERENCE / WORKSHOP PROGRAMME

DAY 1	
08:45 - 09:30	<b>Registration</b> - Tea & Coffee
09:30 - 09:35	<b>Welcome and Overview</b> - <a href="#">David Kilpatrick (Director CEA)</a>
09:35 - 09:45	<b>Introduction</b> - <a href="#">Paul Whitehead (Energy and Environmental Solutions)</a> Conference and Workshop Chairman
09:45 - 10:30	<b>HSE – The Safe Operation of Boilers</b> - <a href="#">Derry Carr (CEA Immediate Past Chairman)</a> HSE's expectations, from the industry and boiler users, the status of guidance, its purpose and a brief guide on how to carry out an appropriate risk assessment
10:30 - 11:00	<b>Risk Assessment</b> This will be an introduction and a practical exercise in creating a very brief risk assessment as requested by delegates at previous conferences
<b>11:00 - 11:30 Coffee Break &amp; Exhibition</b>	
11:30 - 12:15	<b>Legal Requirements for Boiler and System Inspection</b> - <a href="#">Moore Holmes/Andy Wright (British Engineering Services)</a> Why are periodic inspections necessary? What should be inspected, how and when? Who can carry out maintenance, repairs and modifications? The requirements for documentation and record keeping
12:15 - 12:35	<b>The CEA Boiler Operation Accreditation Scheme (BOAS) and Approved Training Courses for Operators &amp; Managers</b> - <a href="#">(CEA Director and BOAS Approved Training Provider)</a> An overview of BOAS, the approved training course, the approved training providers who deliver the course and the assessment process
<b>12:35 - 13:30 Lunch &amp; Exhibition</b>	
13:30 - 14:15	<b>Technical Risk Assessment and Compliance with BG01</b> - <a href="#">Derry Carr (CEA Immediate Past Chairman)</a> Why is it necessary to carry out an in-depth technical risk assessment, who should do it and what needs to be considered?
14:15 - 14:45	<b>Why Boiler Water Quality Matters and the Implications of Poor Water Treatment</b> - <a href="#">Andy Perkins (Deep Water Blue Ltd)</a> Boiler water quality issues are the major cause of boiler failures and also lead to poor boiler efficiency and environmental impact. How do you achieve optimum water quality, operational performance and efficiency, and do it all safely?
<b>14:45 - 15:00 Coffee Break &amp; Exhibition</b>	
15:00 - 15:45	<b>BG04 Why Use Specialists in Boiler Water Treatment</b> - <a href="#">Mick Casey (Deep Water Blue Ltd)</a> 95% of all boiler failures and serious incidents are because of poor boiler water treatment, more often caused by the poor management of boiler watertreatment. Optimum water quality is paramount if you want a safe system of work in your boilerhouse
15:45 - 16:45	<b>The Risk Factors in "Wet Side Controls"</b> - <a href="#">Adrian Rhodes (Byworth Boilers and CEA Chairman)</a> What are the issues and risks when you operate any boiler plant? What are your safety devices intended to do, why are they on your boilers and what do YOU need to do?
<b>16:45 - 17:00 Q &amp; A and Close</b>	



## CONFERENCE / WORKSHOP PROGRAMME

DAY 2	
08:30 - 09:00	Registration - Tea & Coffee
09:00 - 09:05	Welcome – <a href="#">David Kilpatrick (Director CEA)</a>
09:05 - 09:50	<b>Combustion Safety and Controls</b> <b>SAACKE Combustion Services</b> An explanation of the risks both operational and environmental arising from fuels and combustion, and how they can be effectively managed
09:50 - 10:50	<b>How to carry out a risk assessment and its legal implications</b> <b>Dr Ian Roberts – (Byworth Boilers)</b> Establishing the principles of risk assessment particularly in the boilerhouse, managing risks within steam and hot water systems, particularly those concerning your own employees, contractors and other third parties. To establish the principles then focus on how to respond to dangerous occurrences and accidents
10:50 - 11:10	Coffee Break & Exhibition
11:10 - 12:30	<b>Practical application of a Boilerhouse Technical Risk Assessment and Management process</b> Participation by all attendees – Various types of boilers and boilerhouses to be assessed as a “team table” for each of the scenarios presented (Hot Water Boilers, Shell Boilers, Water Tube Boilers and CHP Waste Heat Boilers)
12:30 – 13:30	Lunch & Exhibition
13:30 – 15:00	Participation by all groups – Feedback on each of the scenarios.
15:15	Q & A and Close

## EXHIBITING



Day 1 - Registration commences 8:45, event starts 09:30, event concludes 17:00, lunch and refreshments provided.

Day 2 - Registration commences 8.30, event starts 9:00, event concludes 15:30, lunch and refreshments provided.

Tel: 01740 625538 Email: [info@cea.org.uk](mailto:info@cea.org.uk)

# “Technical Boilerhouse Risk Assessment” To achieve “BG01 Compliance”

## Why attend?

INDG 436 was released by the HSE in October 2011 when PM5 and PSG2 were officially withdrawn. Now in 2018 the HSE and Engineering Insurance Companies are looking to see if companies are complying with the guidance given in BG01, as this guidance is now seen as “**Industrial Best Practice**”.

BG01 was written to explain the roles and responsibilities when owning, operating or managing hot water and steam boiler plant. To date over 1000 people have attended the BG01 conferences across the UK and as part of the delegate feedback, a significant proportion said they would like more help with carrying out a Technical Boilerhouse Risk Assessment.

In response, CEA has organised risk assessment conference workshops with more practical hands-on training as part of the two days which is extremely valuable.

CEA have redesigned the conference workshop into a two-day event that will provide all of the necessary information regarding INDG 436 and BG01. The second day will primarily be dedicated to a practical workshop. The delegates will work through some risk assessment scenarios and discuss these with other attendees. Mentors will be on-hand to work with each group and help steer you through the examples.

Several CEA member companies are also available to work with you at your site, working alongside some of your company staff who know your plant and to create your own risk assessments.

## Who should attend?

**All Managers and Engineers responsible for the operation and selection of boiler plant and ancillaries especially those in the following sectors:**

### Suppliers of services to the boiler user including:

- Boilers insurers
- Consultants to the energy industry
- Contract energy management companies
- Developers
- Fuel suppliers
- Industry development agencies
- Mechanical service contractors
- Plant designers

### All organisations using boilers for steam and/or hot water production, such as:

- Breweries
- Chemicals
- Dairies
- Distillers
- Dyers
- Food processing
- Horticulture
- Hospitals
- Paper mills
- Pharmaceuticals
- Textiles
- Laundries
- Facilities companies
- All companies running any boiler

## When and where:

**25th, 26th, 27th September 2018**

Cheltenham Chase Hotel, Shurdington Road, Brockworth, Gloucestershire, GL3 4PB

**4th, 5th, 6th December 2018**

Tankersley Manor, Church Lane, Tankersley, Sheffield, S75 3DQ

## Registration and fees

**CEA Member Two Days:**

**£290.00 (incl. VAT)**

**CEA Non-Member Two Days:**

**£390.00 (incl. VAT)**

-----  
**CEA Member One Day Only:**

**£200.00 (incl. VAT)**

**CEA Non-Member One Day Only:**

**£290.00 (incl. VAT)**

-----  
**CEA Member Three Days:**

**£400.00 (incl. VAT)**

**CEA Non-Member Three Days:**

**£550.00 (incl. VAT)**

For further Information:  
Email: [info@cea.org.uk](mailto:info@cea.org.uk)  
Tel: 01740 625 538

Whilst reasonable steps have been taken to ensure that the information contained within this html is correct, the CEA, its agents, contractors and sub-contractors and the UK Government give no warranty and make no representation as to its accuracy and accept no liability for any errors or omissions.

