

Industrial Gas Accreditation (I-GAS), Boiler Water Treatment (BG04) and MCPD Update

The order on the day may vary depending on speaker availability

08:45 – 09:30	Registration – Tea & Coffee
09:30 – 09:35	Welcome David Kilpatrick – CEA Director
09:35 – 09:45	Introduction Adrian Rhodes – CEA Chairman
09:45 – 10:30	Pre-Boiler Water Treatment Andy Perkins – ENVIROGEN
10:30 – 11:00	Coffee Break & Exhibition
11:00 – 12:00	BG04 Boiler Water Treatment Mick Casey – Deep Water Blue
12:00 – 13:00	Lunch & Exhibition
13:00 – 14:00	I-GAS – Why Do You Need I-GAS? Nick Evans – Blue Flame
14:00 – 14:30	Industrial Gas Accreditation Scheme Paul Whitehead – Energy & Environmental Solutions
14:30 – 14:50	Coffee Break & Exhibition
14:50 – 16:10	MCPD Update SAACKE Combustion Services
16:10	Close



MCPD (Medium Combustion Plant Directive)

One of the single most important directives for many years in the combustion industry **will be transposed into UK law 19th December 2017**. If you own or operate any combustion plant with a thermal input of between **1MW and 50MW** you will be affected. This means anyone with a boiler generating around 1.3 ton/hr of steam or more, or using a CHP or diesel generator of around 500kVA or more, will need to know about this directive.



It is expected that all new combustion plants in the 1-50MW range will have to comply with the new rules from early 2018. Existing plants have more time to get ready as the rules for them will not apply until somewhat later, depending on the MW rating. Larger plants will have to measure NO_x, SO_x, dust and CO every year; smaller plants will have to measure every three years.

Infrequently used plants will not have to measure emissions unless they run for more than a minimum number of hours.

Boiler Water Treatment (BG04)

Boiler water treatment is a critical aspect of operations when it comes to safe and reliable operation of any type of industrial boiler plant. Whether that is Industrial Hot Water Boilers, Industrial Shell and Tube Steam Boilers or Large Scale Water Tube Boilers for power generation, good quality water treatment is paramount to ensure safe and reliable operation over the long term.

If you don't look after the water treatment properly it is likely to cost you a lot of money. A boiler can be destroyed in months if you don't look after the water treatment, it can cost significant amounts of money if you are over dosing chemicals or dosing them in the wrong place. If scale builds up on the surfaces within the boiler it only takes a coating of 1mm thick to reduce the boiler efficiency by 5%. This may not seem a lot - but with fuel bills on the rise again look at the fuel bill and consider what 5% of that bill is worth to you and your company.

Boiler blow down, a key aspect of operating your boiler, will also be affected if the water treatment regime is wrong, you will end up wasting water that you have treated and heated and put down the drain to maintain the correct TDS level, again costing you a lot of money in wasted fuel, water and chemicals.



