


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <p style="text-align: center;"><b>Accredited to ISO/IEC 17025:2005</b></p>	<h3>CES Environmental Instruments Ltd</h3> <p><b>Issue No: 020    Issue date: 11 August 2011</b></p>	
	<p><b>Bretby Business Park</b> Ashby Road Stanhope Burton upon Trent Staffordshire DE15 0YZ</p>	<p><b>Contact: Mr R M Allen</b> <b>Tel: +44 (0)1283 216334</b> <b>Fax: +44 (0)1283 550939</b> <b>E-Mail: info@cese.co.uk</b> <b>Website: www.cesei.co.uk</b></p>
<p><b>Testing performed by the Organisation at the locations specified below</b></p>		

#### Locations covered by the organisation and their relevant activities

**Laboratory locations:**

Location details	Activity	Location code		
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"><b>Address</b> Bretby Business Park Ashby Road Stanhope Burton-upon-Trent Staffordshire DE15 0YZ</td> <td style="width: 50%; border: none;"><b>Local contact</b> Mr R M Allen  Tel: +44 (0)1283 216334 Fax: +44 (0)1283 550939 Email: info@cese.co.uk Website: www.cesei.co.uk</td> </tr> </table>	<b>Address</b> Bretby Business Park Ashby Road Stanhope Burton-upon-Trent Staffordshire DE15 0YZ	<b>Local contact</b> Mr R M Allen  Tel: +44 (0)1283 216334 Fax: +44 (0)1283 550939 Email: info@cese.co.uk Website: www.cesei.co.uk	<p><b>Support functions:</b> Quality System Quality Audit Administration</p> <p><b>Sampling and Testing:</b> Stack Emissions Testing</p>	A
<b>Address</b> Bretby Business Park Ashby Road Stanhope Burton-upon-Trent Staffordshire DE15 0YZ	<b>Local contact</b> Mr R M Allen  Tel: +44 (0)1283 216334 Fax: +44 (0)1283 550939 Email: info@cese.co.uk Website: www.cesei.co.uk			

**Site activities performed away from the locations listed above:**

Location details	Activity	Location code
Customer sites requiring Stack Emissions Testing	Stack Emissions Testing	B



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DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Filter Papers and Rinse Solutions	<u>Physical Tests</u> Weighing of Particulate Matter	BS EN 13284-1:2002 BS ISO 9096:2003 (WI 4/3)	A
Testing of Stack Emissions to Atmosphere	<u>Sampling and On-Line analysis</u>	National, International and other recognised standards using documented In-House work instructions to meet the requirements of DD CEN/TS 15675:2007/ BS EN 15259:2007	
	Water Vapour	USEPA Method 4 (WI 4/6)	B
	Sulphur Dioxide	ISO 7935:1992 (BS 6069:4.4:1993) (WI 4/17 - NDIR analyser)	B
	Sulphur Dioxide	ISO 7935:1992 (BS 6069:4.4:1993) (WI 4/22 - Electrochemical cell analyser)	B
Testing of Stack Emissions to Atmosphere	<u>Sampling with subsequent analysis by an ISO 17025 Accredited Laboratory</u>	National, European, International and Environment Agency specified standards including MID's and Documented In-House work instructions to meet the requirements of the Environment Agency (MCERTS) Performance Standard and DD CEN/TS 15675:2007/ BS EN 15259:2007	
	Total Particulate Matter (0 to 50 mg/m <sup>3</sup> )	BS EN 13284-1:2002 (WI 4/32 - MST) (WI 4/1 - Gravimat)	B
	Total Particulate Matter (50 to 1000 mg/m <sup>3</sup> )	BS ISO 9096:2003 (WI 4/34 - MST) (WI 4/26 - Gravimat)	B



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Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
Testing of Stack Emissions to Atmosphere (cont'd)	<u>Sampling with subsequent analysis by an ISO 17025 Accredited Laboratory</u> (cont'd)	National, European, International and Environment Agency specified standards including MIDs and Documented In-House work instructions to meet the requirements of the Environment Agency (MCERTS) Performance Standard and DD CEN/TS 15675:2007/ BS EN 15259:2007 (cont'd)	
	Polycyclic Aromatic Hydrocarbons (PAHs)	BSISO11338:2003 (WI4/52)	B
	Dioxins and Furans	BS EN 1948-1:2006 (WI 4/31)	B
	Dioxin-like Polychlorinated Biphenyls (PCBs)	BS EN 1948-4:2010 (WI 4/31)	B
	Sulphur Dioxide	BS EN 14791:2005 (WI 4/47)	B
	Ammonia	Based on BS EN 14791:2005 (WI 4/46)	B
	Halogens and Halides Hydrogen Bromide Chlorine Bromine	USEPA Method 26 (WI 4/27)	B
	Halogens and Halides Hydrogen Bromide Chlorine Bromine	USEPA Method 26A (WI 4/38)	B
	Hydrogen Chloride	BS EN 1911:2010 (WI 4/29)	B
	Hydrogen Fluoride	BS ISO 15713:2006 (WI 4/43)	B
	Metals	BS EN 14385:2004 (WI 4/30)	B
Total Mercury	BS EN 13211:2001 (WI 4/33)	B	



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Testing of Stack Emissions to Atmosphere (cont'd)	<u>Sampling and On-Site analysis</u>	National, European, International and Environment Agency specified standards including MIDs and Documented In-House work instructions to meet the requirements of the Environment Agency (MCERTS) Performance Standard and DD CEN/TS 15675:2007/ BS EN 15259:2007 (cont'd)	
	Water Vapour	BS EN 14790:2005 (WI 4/40)	B
	<u>Sampling and On-Line analysis</u>		
	Water Vapour*	EA TGN M22 (WI 4/50 - Validated FTIR analyser)	B
	Oxygen*	BS EN 14789:2005 (WI 4/41 - Validated Zirconium cell analyser)	B
	Pressure, Temperature and Velocity	BS EN 13284-1:2002 (WI 4/32 - MST) BS EN 13284-1:2002 (WI 4/1 - Gravimat) BS ISO 9096:2003 (WI 4/34 - MST) BS ISO 9096: 2003 (WI 4/26 - Gravimat)	B
	Carbon monoxide*	BS EN 15058:2006 (WI 4/42 - NDIR Analyser) EA TGN M22 (WI 4/50 - Validated FTIR analyser)	B
	Carbon Dioxide*	ISO 12039:2001 (WI 4/9 - NDIR Analyser) EA TGN M22 (WI 4/50 - FTIR analyser)	B
Sulphur Dioxide*	EA TGN M21 (WI 4/17 - NDIR Analyser) EA TGN M22 (WI 4/50 - FTIR analyser)	B	



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Testing of Stack Emissions to Atmosphere (cont'd)	<u>Sampling and On-Line analysis</u> (cont'd)	National, European, International and Environment Agency specified standards including MID's and Documented In-House work instructions to meet the requirements of the Environment Agency (MCERTS) Performance Standard and DD CEN/TS 15675:2007/ BS EN 15259:2007 (cont'd)	
	Propane*	EA TGN M22 (WI 4/50 - FTIR analyser)	B
	Oxides of Nitrogen*	BS EN 14792:2005 (WI 4/39 - Chemiluminescence analyser) EA TGN M22 (WI 4/50 - Validated FTIR analyser)	B
	Total Gaseous Organic Carbon* (TOC / VOC) (0 to 20 mg/m <sup>3</sup> )	BS EN 12619:1999 (WI 4/28 - FID analyser)	B
	Total Gaseous Organic Carbon* (TOC / VOC) (20 to 500 mg/m <sup>3</sup> )	BS EN 13526:2002 (WI 4/28 - FID analyser)	B
Halides and Halogens* Speciated VOC's* Other Inorganic Gases*	EA TGN M22 (WI 4/50 - FTIR analyser)	B	
<p><b>The organisation holds a flexible scope of accreditation for these tests. Please contact the organisation for details of the individual gaseous compounds they can sample and analyse to this method.</b></p>			



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Stack Emissions - Continuous Emissions Monitoring Systems (CEMS)	<u>Sampling and On-Line analysis</u>  QAL 2 and the Annual Surveillance Test (AST) for CEMS	Documented in house procedure WI4/48 to meet the requirements of BS EN 14181:2004, Environment Agency MID 14181 and other requirements of the Environment Agency (MCERTS) Performance Standard and DD CEN/TS 15675:2007/ BS EN 15259:2007	A, B
END			