

# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

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

 <p>Accredited to ISO/IEC 17025:2005</p>	<b>Environmental Compliance Ltd</b>	
	<b>Issue No: 024    Issue date: 03 February 2012</b>	
<b>Unit G1</b> <b>Main Avenue</b> <b>Treforest Industrial Estate</b> <b>Pontypridd</b> <b>CF37 5YL</b>	<b>Contact: Mr A Barnes</b> <b>Tel: +44 (0)1443 841760</b> <b>Fax: +44 (0)1443 841761</b> <b>E-Mail: enquiries@envirocompli.com</b> <b>Website: www.envirocompli.com</b>	
<b>Testing performed by the Organisation at the locations specified below</b>		

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

#### Laboratory locations:

Location details		Activity	Location code
<b>Address</b> Unit G1 Main Avenue Treforest Industrial Estate Pontypridd CF37 5YL	<b>Local contact</b> Mr A Barnes  Tel: +44 (0)1443 841760 Fax: +44 (0)1443 841761 Email: a.barnes@envirocompli.com	<b>Support functions:</b> Quality System Quality Audit Administration  <b>Sampling and Testing:</b> Stack emissions Testing	A
<b>Address</b> Building 26, Bay 6 First Avenue Pensnett Way Kingswinford West Midlands DY6 7TB	<b>Local contact</b> Mr A Barnes  Tel: +44 (0)1384 274701 Fax: +44 (0)1443 841761 Email: a.barnes@envirocompli.com	<b>Support functions:</b> Administration  <b>Sampling and Testing:</b> Stack emissions Testing	B

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

Location details	Activity	Location code
Customer Sites requiring Stack Emissions Testing	Stack Emissions Testing	A, 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
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	
	Oxygen	ISO 12039:2001 (ECL/TPD/033b)	A, B
	Carbon Monoxide	ISO 12039:2001 (ECL/TPD/033b)	A, B
	Oxides of Nitrogen	ISO 10849:1996 (ECL/TPD/033b)	A, B
	Sulphur Dioxide	ISO 7935:1992 (BS 6069-4.4:1993) (ECL/TPD/033b)	A, B
	Carbon dioxide	ASTM D6348-03 (ECL/TPD/085 - FTIR analyser)	A, B
	<u>Sampling with subsequent analysis by an ISO/IEC 17025 Accredited Laboratory</u>		
	<u>Halides and Halogens</u> Hydrogen Chloride Hydrogen Bromide Hydrogen Fluoride Chlorine Bromine	US EPA Methods 26 and 26a (ECL/TPD/035)	A, B
Ammonia	US EPA Methods 26 and 26a (ECL/TPD/038)	A, 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	<u>Sampling with subsequent analysis by an ISO/IEC 17025 Accredited Laboratory</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	
	Total Particulate Matter (0 to 50 mg/m <sup>3</sup> )	BS EN 13284-1:2002 (ECL/TPD/027) (ECL/TPD/027a using "Stackmite" sampling system)	A, B
	Total Particulate Matter (20 to 1000 mg/m <sup>3</sup> )	BS ISO 9096:2003 (ECL/TPD/027) (ECL/TPD/027a using "Stackmite" sampling system)	A, B
	Oil Mist	Based on BS EN 13284-1:2002 (ECL/TPD/094) (ECL/TPD/094a using "Stackmite" sampling system)	A, B
	Hydrogen Chloride	BS EN 1911:2010 (ECL/TPD/036)	A, B
	Hydrogen Fluoride	BS ISO 15713:2006 (ECL/TPD/083)	A, B
	Speciated VOC's (carbon and other suitable tubes) including: Aldehydes Amines and Amides Carboxylic Acids Phenols Cresols - Dry Stacks only	BS EN 13649:2002 (ECL/TPD/084)	A, B
<u>Halides and Halogens</u> Hydrogen Bromide Chlorine Bromine	US EPA Methods 26 and 26a (ECL/TPD/035)	A, 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/IEC 17025 Accredited Laboratory</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	
	Ammonia	BS EN 14791:2005 (ECL/TPD/039)	A, B
	Sulphur Dioxide	BS EN 14791:2005 (ECL/TPD/039)	A, B
	Metals	BS EN 14385:2004 (ECL/TPD/028)	A, B
	Mercury	BS EN 13211:2001 (ECL/TPD/030)	A, B
	Metals and Mercury combined	BS EN 14385:2004 (MID 14385) (ECL/TPD/029)	A, B
	Dioxins and Furans	BS EN 1948-1:2006 (ECL/TPD/031)	A, B
	Dioxin-like Polychlorinated Biphenyls (PCB's)	BS EN 1948-4:2010 (ECL/TPD/031)	A, B
	Polycyclic Aromatic Hydrocarbons (PAH's)	BS ISO 11338-1:2003 (ECL/TPD/037)	A, B
	<u>Sampling and On-Site analysis</u>		
Water Vapour	BS EN 14790:2005 (ECL/TPD/082)	A, B	
<u>Sampling and On-Line analysis</u>			
Pressure, Temperature and Velocity	BS EN 13284-1:2002 BS ISO 9096:2003 (ECL/TPD/022)	A, 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	
	Water Vapour*	EA TGN M22 (ECL/TPD/092 - validated FTIR analyser)	A, B
	Carbon monoxide*	BS EN 15058:2006 (ECL/TPD/033c - NDIR analyser) EA TGN M22 (ECL/TPD/092 - validated FTIR analyser)	A, B
	Carbon dioxide*	ISO 12039:2001 (ECL/TPD/033c - NDIR analyser)	A, B
	Nitrogen Monoxide (NO)*	BS EN 14792:2005 (ECL/TPD/033c - Chemiluminescence analyser) EA TGN M22 (ECL/TPD/092 - validated FTIR analyser)	A, B
	Nitrogen Dioxide (NO <sub>2</sub> )*	BS EN 14792:2005 (ECL/TPD/033c - Chemiluminescence analyser) EA TGN M22 (ECL/TPD/092 - validated FTIR analyser)	A, B
	Nitrous Oxide*	EA TGN M22 (ECL/TPD/092 - FTIR analyser)	A, B
	Sulphur Dioxide*	EA TGN M21 (ECL/TPD/033c - NDIR analyser) EA TGN M22 (ECL/TPD/092 - FTIR analyser)	A, 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	
	Oxygen*	BS EN 14789:2005 (ECL/TPD/033c - Validated Zirconium cell analyser) (ECL/TPD/086 - Validated Electrochemical cell analyser) (ECL/TPD/092 - Validated Zirconium cell analyser)	A, B
	Ammonia*	EA TGN M22 (ECL/TPD/092 - FTIR analyser)	A, B
	Hydrogen chloride*	EA TGN M22 (ECL/TPD/092 - FTIR analyser)	A, B
	Total Gaseous Organic Carbon (TOC/VOC) (20 to 500 mg/m <sup>3</sup> )	BS EN 13526:2002 (ECL/TPD/032 - FID analyser)	A, B
Total Gaseous Organic Carbon (TOC/VOC) (0 to 20 mg/m <sup>3</sup> )	BS EN 12619:1999 (ECL/TPD/032 - FID Analyser)	A, B	

\* - The scale range of the analyser used for this test must be that detailed on its current MCERTS certificate or a range validated by the organisation to meet MCERTS requirements.



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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 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	A, B
Stack Emissions - Continuous Emissions Monitoring Systems (CEMS)	QAL 2 and the Annual Surveillance Test (AST) for CEMS	Documented in house procedures ECL/TPD/087, ECL/TPD/088, ECL/TPD/088B, ECL/TPD/089, ECL/TPD/089B, ECL/TPD/090 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	
END			