


# 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>TUV NEL Ltd</b>	
	<b>Issue No: 026</b>	<b>Issue date: 10 January 2011</b>
East Kilbride Glasgow Scotland G75 0QF	<b>Contact: Ms June Girdler</b> Tel: +44 (0)1355-593755 Fax: +44 (0)1355-593875 E-Mail: <a href="mailto:jgirdler@tuvnel.com">jgirdler@tuvnel.com</a> Website: <a href="http://www.tuvnel.com">www.tuvnel.com</a>	
Testing performed by the Organisation at the locations specified below		

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

#### Laboratory locations:

Location details		Activity	Location code
<b>Address</b> East Kilbride Glasgow Scotland G75 0QF	<b>Local contact</b> Ms June Girdler	<b>Support Functions:</b> Quality System Quality Audit Administration  <b>Sampling and Testing:</b> Stack Emissions Testing Physical testing	A

#### 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 Testing</u>  Weighing of Particulate Matter	BS EN ISO 9096:2003 ( WI/EM/978) BS EN 13284-1:2002 (WI/EM/980 and WI/EM/962)	A
Testing of Stack Emissions to Atmosphere	<u>Sampling with subsequent analysis by an ISO/IEC 17025 Accredited Laboratory</u>  Total Particulate Matter	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In-House work instructions to meet the requirements of DD CEN/TS 15675:2007 / BS EN 15259:2007  BS 3405:1983 (withdrawn) (WI/EM/915) BS 6069:Section 4.3:1992 (Superseded) (WI/EM/917)	B
	Metals (including Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Manganese, Mercury, Nickel, Phosphorous, Selenium, Silver, Thallium and Zinc)	US EPA Method 29 (WI/EM/953)	B
	<u>Halides and Halogens</u> Hydrogen chloride Hydrogen bromide Hydrogen fluoride Chlorine Bromine Total chlorides Total fluorides Total bromides	US EPA Method 26 (WI/EM/932)  US EPA Method 26A (WI/EM/954)	B
	Hydrogen Sulphide	VDI 3846 part 2 (WI/EM/945 )	B
	Sulphur dioxide	BS ISO 11632:1998 (WI/EM/974)	B



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Testing of Stack Emissions to Atmosphere	<u>Sampling with subsequent analysis by an ISO/IEC 17025 Accredited Laboratory (cont.)</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	
	Speciated VOCs:	US EPA Method 18 (WI/EM/952)	B
	Ammonia Hydrogen Cyanide	US EPA Methods 26 and 26a (WI/EM/1276)	B
	<u>Sampling and On-Line Analysis</u>		
	Oxygen (0 – 25%)	US EPA Method 3A (WI/EM/1268)	B
	Carbon dioxide (0 – 20%)	US EPA Method 3A (WI/EM/1268)	B
	Carbon monoxide (0 – 5000 ppm)	US EPA Method 10 (WI/EM/1268)	B
	Nitrogen oxides (0 – 5000 ppm)	US EPA Method 7E (WI/EM/1268)	B
	Sulphur dioxide (0 – 3000 ppm)	US EPA Method 6C (WI/EM/1268)	B
	Sulphur dioxide	BS 6069 Section 4.4:1993 (WI/EM/971)	B
Total Gaseous Organic* Carbon (TOC / VOC) (0-50000 ppm)	US EPA Method 25A (WI/EM/921)	B	



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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 (WI/EM/962)	B
	Total Particulate Matter (20 to 1000 mg/m <sup>3</sup> )	BS ISO 9096:2003 (WI/EM/975)	B
	Hydrogen Chloride	BS EN 1911-1:2010 (WI/EM/973)	B
	Hydrogen Fluoride	BS ISO 15713:2006 (WI/EM/1271)	B
	Sulphur Dioxide	BS EN 14791:2005 (WI/EM/1276)	B
	Ammonia	BS EN 14791:2005 (WI/EM/0036)	B
	Hydrogen Cyanide	US EPA Method CTM 33 (WI/EM/0040)	B
	<u>Halides and Halogens</u> Hydrogen Bromide Chlorine Bromine	US EPA Methods 26 and 26a (WI/EM/932)	B
	Metals	BS EN 14385:2004 (WI/EM/982) EA MID 14385 (WI/EM/1272)	B
Mercury	BS EN 13211:2001 (WI/EM/977)	B	
Formaldehyde	USEPA Method 316 (WI/EM/984)	B	



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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 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	
	Speciated VOCs: Mercaptans Amines and Amides Phenols Cresols Carboxylic Acids Aldehydes	BS EN 13649:2002 (WI/EM/963)	B
	Dioxins and Furans	BS EN 1948-1:2006 (WI/EM/959)	B
	Dioxin-like Polychlorinated Biphenyls (PCBs)	BS EN 1948-1:2006 (WI/EM/976)	B
	Polycyclic Aromatic Hydrocarbons (PAHs)	BS ISO 11338-1:2003 (WI/EM/981)	B
	<u>Sampling and On-Line Analysis</u>		
	Water Vapour	BS EN 14790:2005 (WI/EM/0009)	B
	Pressure, Temperature and Velocity	BS EN 13284-1:2002 (WI/EM/962)	B
	Carbon Dioxide*	ISO 12039:2001 (WI/EM/971- NDIR analyser)	B
	Carbon Monoxide*	BS EN 15058:2006 (WI/EM/1273 - NDIR analyser)	B
Oxides of Nitrogen*	BS EN 14792:2005 (WI/EM/1273 – Chemiluminescence analyser)	B	



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Testing of Stack Emissions to Atmosphere	<u>Sampling and On-Line Analysis</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	
	Oxygen*	BS EN 14789:2005 (WI/EM/1273 - Validated Zirconium cell analyser)	B
	Sulphur dioxide	EA TGN M21 (WI/EM/0058)	B
	Total Gaseous Organic* Carbon (TOC / VOC) (20 to 500 mg/m <sup>3</sup> )	BS EN 13526:2002 (WI/EM/966 - FID analyser)	B
	Total Gaseous Organic* Carbon (TOC / VOC) (0 to 20 mg/m <sup>3</sup> )	BS EN 12619:1999 (WI/EM/965 - FID Analyser)	B
Stack Emissions - Continuous Emissions Monitoring Systems (CEMS)	QAL 2 and the Annual Surveillance Test (AST) for CEMS	Documented in house procedure WI/EM/0059 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			

\* - 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.