

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

 Accredited to ISO/IEC 17025:2005	Redwing Environmental Ltd	
	Issue No: 005 Issue date: 15 December 2011	
	Unit 7 Manor Road Business Park Manor Road Atherstone Warwickshire CV9 1TE	Contact: Ms E Berek Tel: +44 (0)844 686 7000 Fax: +44 (0)844 686 7070 E-Mail: elena@redwing.org.uk Website: www.redwing.org.uk
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
Address Unit 7 Manor Road Business Park Manor Road Atherstone Warwickshire CV9 1TE Local contact Ms E Berek Tel: +44 (0)844 686 7000 Fax: +44 (0)844 686 7070 Email: elena@redwing.org.uk	Support Functions: Quality System Quality Audit Administration Sampling and Testing: Stack Emissions 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	National, International and other recognised standards using documented In-House work instructions BS EN 13284-1:2002 MID 13284-1 BS ISO 9096:2003 (Procedure 22)	A
	<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 ³)	BS EN 13284-1:2002 (TP-RED04-04)	B
	Total Particulate Matter (20 to 1000 mg/m ³)	BS ISO 9096:2003 (TP-RED04-03)	B
	Hydrogen Chloride	BS EN 1911:2010 (TP-RED09-116)	B
	Hydrogen Fluoride	BS ISO 15713:2006 (TP-RED09-108)	B
	Sulphur Dioxide	BS EN 14791:2005 (TP-RED-118)	B
	Ammonia	BS EN 14791:2005 (TP-RED09-104)	B
	Hydrogen Sulphide	US EPA Method 11 (TP-RED-109)	B
	Hydrogen Cyanide	US EPA OTM 29 (TP-RED09-107)	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	
	Metals	BS EN 14385:2004 (TP-RED-112)	B
	Mercury	BS EN 13211:2001 (TP-RED-113)	B
	Dioxins and Furans	BS EN 1948-1:2006 (TP-RED-105)	B
	Dioxin-like Polychlorinated Biphenyls (PCBs)	BS EN 1948-1:2006 (TP-RED-119)	B
	Polycyclic Aromatic Hydrocarbons (PAHs)	BS ISO 11338-1:2003 (TP-RED-106)	B
	Isocyanates	US EPA CTM 036 (TP-RED-110)	B
	Mercaptans	NIOSH 2542 (TP-RED-111)	B
	Odour (including hot wet stacks up to 8% v/v water vapour content using static dilution with a maximum dilution ration of 3:1)	BS EN 13725:2003 (TP-RED-114)	B
Oil mist, Tar and bitumen fume	BS EN 13284-1:2002 and MDHS 84 (TP-RED09-115)	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 VOC's (carbon and other suitable tubes) (including hot wet stacks using static dilution): Amines and Amides Phenols Cresols Carboxylic Acids Aldehydes Hydrogen Sulphide	BS EN 13649:2002 (TP-RED09-103)	B
	<u>Sampling and On-Site Analysis</u>		
	Water Vapour	BS EN 14790:2005 (TP-RED04-07)	B
	<u>Sampling and On-Line Analysis</u>		
	Pressure, Temperature and Velocity	ISO 10780:1994 BS EN 13284-1:2002 BS ISO 9096:2003 (TP-RED04-02)	B
Carbon Monoxide*	BS EN 15058:2006 (TP-RED04-08 - NDIR analyser) (TP-RED04-08b - NDIR analyser)	B	
Nitrogen Monoxide (NO)*	BS EN 14792:2005 (TP-RED04-08 - Chemiluminescence analyser) (TP-RED04-08a - Chemiluminescence 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	
	Oxides of Nitrogen (NOx)*	BS EN 14792:2005 (TP-RED04-08 - Chemiluminescence analyser) (TP-RED04-08a - Chemiluminescence analyser)	B
	Sulphur Dioxide*	EA TGN M21 (TP-RED04-08 - NDIR analyser) (TP-RED04-08d - NDIR analyser)	B
	Oxygen*	BS EN 14789:2005 (TP-RED04-08 - Validated Zirconium cell analyser) (TP-RED04-08c - Validated Zirconium cell analyser)	B
	Total Gaseous Organic* Carbon (TOC / VOC) (20 to 500 mg/m ³)	BS EN 13526:2002 (TP-RED04-06a - FID analyser)	B
Total Gaseous Organic* Carbon (TOC / VOC) (0 to 20 mg/m ³)	BS EN 12619:1999 (TP-RED04-06a - FID Analyser)	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.