


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>	Resource and Environmental Consultants Ltd trading as REC Ltd	
	Issue No: 031 Issue date: 14 October 2013	
	Unit 19 Bordesley Trading Estate Bordesley Green Road Birmingham B8 1BZ	Contact: Mr P Furnston Tel: +44 (0)121 326 7007 Fax: +44 (0)121 328 1689 E-Mail: sales@recltd.co.uk Website: www.recltd.co.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 19 Bordesley Green Trading Estate Bordesley Green Road Birmingham B8 1BZ	Local contact Mr I Castezubi Tel: +44 (0)121-326 7007 Fax: +44 (0)121-328 1689 Email: sales@recltd.co.uk Website: www.recltd.co.uk	Sampling and Testing: Stack emissions Testing
Address Osprey House Pacific Quay Broadway Manchester M50 2UE	Local contact Mr P Furnston Tel: +44 (0)161-868 1300 Fax: +44 (0)161-868 1301 Email: sales@recltd.co.uk Website: www.recltd.co.uk	Support Functions: Quality System Quality audit Administration Sampling and Testing: Stack emissions Testing

Site activities performed away from the locations listed above:

Location details	Activity	Location code
Customer Sites requiring Stack emissions Testing	Stack emissions Testing	C
Customer Sites requiring Environmental Sampling	Environmental (ambient air) sampling	D

Sanctions history:

Please refer to the table at the end of this accreditation schedule for a detail of the sanctions that have been taken as a result of significant non-conformities raised against this laboratory within the previous two years of the publication date.



2082

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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
AMBIENT AND POINT SOURCE EMISSIONS	<u>Sampling with subsequent analysis by an ISO/IEC 17025 Accredited Laboratory</u>	Documented In-House work instructions	
Ambient air	Bioaerosols	In house method based on Environment Agency/Association For Organics Recycling – Standardised protocol for the monitoring of Bioaerosols at Open Composting Facilities (Method MM0019)	D
Testing of Stack emissions to Atmosphere	<u>Sampling with subsequent analysis by an ISO/IEC 17025 Accredited Laboratory</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	
	Hydrogen Fluoride Hydrogen Chloride	US EPA Method 26A (Method MM0014)	C
	<u>Sampling and On-Line Analysis</u>		
	Carbon Monoxide	ISO 12039:2001 (Method MM0002 - electrochemical cell analyser)	C
	Oxides of Nitrogen	ISO 10849:1996 (Method MM0002 - electrochemical cell analyser)	C
	Oxygen	ISO 12039:2001 (Method MM0002 - electrochemical cell analyser)	C
	Sulphur Dioxide	ISO 7935:1992 (BS 6069 4.4:1993) (Method MM0002 - NDIR and electrochemical cell analyser)	C



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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 ³)	BS EN 13284-1:2002 (Method MM0004)	C
	Total Particulate Matter (20 to 1000 mg/m ³)	BS ISO 9096:2003 (Method MM0004)	C
	Oil mist	BS EN 13284-1:2002 (Method MM0004)	C
	Halogens and Halides: Hydrogen Bromide Hydrogen Iodide Bromine Chlorine Iodine	USEPA Method 26A (Method MM0014)	C
	Formaldehyde	USEPA Method 316 (Method MM0015)	C
	Metals	BS EN 14385:2004 (Method MM0007)	C
	Mercury	BS EN 13211:2001 (Method MM0008)	C
	Hydrogen Chloride	BS EN 1911:2010 (Method MM0006)	C
	Dioxins and Furans	BS EN 1948-1:2006 (Method MM0005)	C
	Dioxin-like Polychlorinated Biphenyls (PCBs)	BS EN 1948-4:2010 (Method MM0005)	C
Polycyclic Aromatic Hydrocarbons (PAHs)	BS ISO 11338-1:2003 (Method MM0005)	C	



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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 (cont'd)	
	Hydrogen Fluoride	BS ISO 15713:2006 (Method MM0013)	C
	Speciated VOC's (carbon and other suitable tubes) (direct sampling of dry stacks and static dilution sampling of hot wet stacks) Amines and Amides Phenols Cresols Carboxylic Acids Aldehydes	BS EN 13649, NIOSH 2539, 2002, 2010 (Method M0011)	C
	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 (Method MM0017)	C
	Sulphur Dioxide	BS EN 14791:2005 (Method MM0012)	C
	Ammonia	BS EN 14791:2005 (Method MM0012)	C
	Hydrogen Sulphide	US EPA Method 11 (Method MM0016)	C
	Bioaerosols	VDI 4257 part 2:2011 (Method MM0018)	C



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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 (Method MM0010)	C
	Pressure, Temperature and Velocity	BS EN 13284-1:2002 (Method MM0004) BS ISO 9096:2003 (Method MM0004)	C
	Carbon Dioxide*	ISO 12039:2001 (Method MM0002 - NDIR analyser)	C
	Carbon Monoxide*	BS EN 15058:2006 (Method MM0002 - NDIR analyser)	C
	Nitrogen Monoxide (NO)*	BS EN 14792:2005 (Method MM0002 - Chemiluminescence analyser)	C
	Oxides of nitrogen (NOx)*	BS EN 14792:2005 (Method MM0002 - Chemiluminescence analyser)	C
	Sulphur Dioxide*	EA TGN M21 (Method MM0002 - NDIR analyser)	C
	Oxygen*	BS EN 14789:2005 (Method MM0002 - Validated Zirconium cell analyser)	C



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Testing of Stack emissions to Atmosphere (cont'd)	<u>Sampling and On-Line Analysis</u> (cont'd) Total Gaseous Organic Carbon* (TOC/VOC) (0 to 1000 mg/m ³)	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) BS EN 12619:2013 (Method MM0002 - FID analyser)	C
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.

Sanctions history:

Date of Sanction	Sanction Taken	Tests Affected	Date Sanction Cleared
14 October 2011	Additional Annual Surveillance Visit	All Stack Emissions Sampling work	01 June 2012