

Schedule of Accreditation

issued by

United Kingdom Accreditation Service

2 Pine Trees, Chertsey Lane, Staines-upon-Thames, TW18 3HR, UK

 2499 Accredited to ISO/IEC 17025:2017	Environmental Compliance Ltd	
	Issue No: 044	Issue date: 16 January 2024
	Unit G1 Main Avenue Treforest Industrial Estate Pontypridd CF37 5YL	Contact: Mr A Barnes Tel: +44 (0)1443 801215 E-Mail: enquiries@ecl.world Website: www.ecl.world

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 G1 Main Avenue Treforest Industrial Estate Pontypridd CF37 5YL	Local contact Mr A Barnes Tel: +44 (0)1443 801215 Email: a.barnes@ecl.world	Support functions: Quality System Quality Audit Administration Sampling and Testing: Stack emissions Testing	A
Address Building 26, Bay 6 First Avenue Pensnett Way Kingswinford West Midlands DY6 7TB	Local contact Mr A Barnes Tel: +44 (0)1384 274701 Email: a.barnes@ecl.world	Support functions: Administration Sampling and Testing: 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 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 BS EN 15259:2007	
	<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
	Rubber Fume and other parameters determined by cyclohexane extraction of filters (In stack filter sampling)	Based on BS EN 13284-1:2017 (ECL/TPD/094) (ECL/TPD/094a using "Stackmite" sampling system)	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 MIDs and Documented In-House work instructions to meet the requirements of the Environment Agency (MCERTS) Performance Standard and BS EN 15259:2007	
	Total Particulate Matter	BS EN 13284-1: 2017 (ECL/TPD/027) (ECL/TPD/027A using "Stackmite" sampling system)	A, B
	Particulate Matter <10 micron (PM ₁₀ and PM _{2.5})	BS EN ISO 23210:2009 (ECL/TPD/095)	A, B
	Oil Mist, Tar and Bitumen Fume (In stack filter sampling)	Based on BS EN 13284-1:2017 (ECL/TPD/094) (ECL/TPD/094a using "Stackmite" sampling system)	A, B
	Hydrogen Chloride	BS EN 1911:2010 (ECL/TPD/081)	A, B
	Hydrogen Fluoride	PD CEN/TS 17340:2020 (ECL/TPD/081)	A, B
	Speciated VOCs (carbon and other suitable tubes) including: Aldehydes Amines and Amides Carboxylic Acids Hydrogen Sulphide Phenols Cresols Phosphine (NIOSH 6002) - Dry Stacks only	PD CEN/TS 13649:2014 (ECL/TPD/084)	A, B
	Isocyanates (In stack filter sampling)	USEPA CTM 036 (ECL/TPD/096) (ECL/TPD/096a using "Stackmite" sampling system)	A, B
	Isocyanates (Out Stack filter sampling)	USEPA CTM 036 (ECL/TPD/096)	A, B



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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 MIDs and Documented In-House work instructions to meet the requirements of the Environment Agency (MCERTS) Performance Standard and BS EN 15259:2007	
	<u>Halides and Halogens</u> Hydrogen Bromide Chlorine Bromine	US EPA Methods 26 and 26a (ECL/TPD/035)	A, B
	Ammonia	BS EN ISO 21877:2019 (ECL/TPD/034)	A, B
	Sulphur Dioxide	BS EN 14791:2017 (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
	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 14790:2017 (ECL/TPD/082)	A, B



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Testing of Stack emissions to Atmosphere (cont'd)	<u>Sampling and On-Line 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 BS EN 15259:2007	
	Pressure, Temperature and Velocity (Point Velocity Method) for: <ul style="list-style-type: none"> Periodic Compliance Monitoring 	BS EN 16911-1:2013 & EA MID 16911-1 (Method ECL/TPD/022A using differential pressure device (pitot tube) method) Procedure to meet requirements of PD CEN TR 17078:2017 Measurement Objective 1	A, B
	Pressure, Temperature and Velocity (Point Velocity Method) for: <ul style="list-style-type: none"> Calibration of Continuous AMS To meet requirements of Emissions Trading Schemes 	BS EN 16911-1:2013 (Method ECL/TPD/022B using differential pressure device (pitot tube) method) Procedure to meet requirements of PD CEN TR 17078:2017 Measurement Objectives 2 and 3	A, B
	Carbon monoxide*	BS EN 15058:2017 (ECL/TPD/033c & 033d - NDIR analyser) PD CEN/TS 17337:2019 (ECL/TPD/097 and ECL/TPD/098 – validated FTIR analyser - Excluding both dilution sampling and stacks with water droplets present)	A, B
	Carbon dioxide*	PD CEN/TS 17405:2020 (ECL/TPD/033c & 033d - NDIR analyser) PD CEN/TS 17337:2019 ECL/TPD/098 – validated FTIR analyser - Excluding both dilution sampling and stacks with water droplets present)	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 MIDs and Documented In-House work instructions to meet the requirements of the Environment Agency (MCERTS) Performance Standard and BS EN 15259:2007	
	Nitrogen Monoxide (NO)*	BS EN 14792:2017 (ECL/TPD/033c & 033d - Chemiluminescence analyser) PD CEN/TS 17337:2019 (ECL/TPD/097 and ECL/TPD/098 – validated FTIR analyser - Excluding both dilution sampling and stacks with water droplets present)	A, B
	Nitrogen Dioxide (NO ₂)*	BS EN 14792:2017 (ECL/TPD/033c & 033d - Chemiluminescence analyser) PD CEN/TS 17337:2019 ECL/TPD/098 – validated FTIR analyser - Excluding both dilution sampling and stacks with water droplets present)	A, B
	Oxides of Nitrogen (NO _x)*	BS EN 14792:2017 (ECL/TPD/033c & 033d - Chemiluminescence analyser) PD CEN/TS 17337:2019 ECL/TPD/098 – validated FTIR analyser - Excluding both dilution sampling and stacks with water droplets present)	A, B
	Nitrous Oxide*	PD CEN/TS 17337:2019 (ECL/TPD/097 and ECL/TPD/098 – validated FTIR analyser - Excluding both dilution sampling and stacks with water droplets present)	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 BS EN 15259:2007	
	Sulphur Dioxide*	PD CEN/TS 17021:2017 (ECL/TPD/033c - NDIR analyser) PD CEN/TS 17337:2019 (ECL/TPD/097 and ECL/TPD/098 – validated FTIR analyser - Excluding both dilution sampling and stacks with water droplets present)	A, B
	Oxygen*	BS EN 14789:2017 (ECL/TPD/033c & 033d - Validated Zirconium cell/Paramagnetic analyser) (ECL/TPD/086 - Validated Electrochemical cell analyser) (ECL/TPD/097 and ECL/TPD/098 – Validated Zirconium cell analyser)	A, B
	Ammonia*	PD CEN/TS 17337:2019 (ECL/TPD/098 – validated FTIR analyser- Excluding both dilution sampling and stacks with water droplets present)	A, B
	Total Gaseous Organic* Carbon (TOC/VOC) (0 to 1000 mg/m ³)	BS EN 12619:2013 (ECL/TPD/032a & 032b - FID Analyser)	A, B



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* - 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.			
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 BS EN 15259:2007	
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 14181:2014, Environment Agency MID 14181 (TGN M20 Annex A) and other requirements of the Environment Agency (MCERTS) Performance Standard and BS EN 15259:2007	A, B
Stack Emissions - Continuous Emissions Monitoring Systems (CEMS) - Velocity	QAL 2 and the Annual Surveillance Test (AST) for CEMS - Velocity	Documented in-house procedure ECL/TPD/22B to meet the requirements of BS EN 16911-2:2013, Environment Agency MID 16911-2 and other requirements of the Environment Agency (MCERTS) Performance Standard and BS EN 15259:2007	A, B
END			