Schedule of Accreditation

issued by

United Kingdom Accreditation Service

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

24303

Accredited to ISO/IEC 17025:2017

Alkali Environmental Limited

Issue No: 006 **Issue date:** 24 April 2025

21 Milford Road **South Milford** **Leeds** **LS25 5AD**	**Contact: Mr Paul Adamczyk** **Tel: +44 (0)1977 253030** **E-Mail: paul.adamczyk@alkalinity.uk** **Website: https://www.alkalinity.uk**

Testing performed by the Organisation at the locations specified

Locations covered by the organisation and their relevant activities

Laboratory locations:

Location details	Activity	Location code
Address Alkali Environmental Limited 21 Milford Road South Milford Leeds LS25 5AD **Local contact** Mr Paul Adamczyk Tel: +44 (0)1977 253030 E-Mail: paul.adamczyk@alkalinity.uk Website: https://www.alkalinity.uk	**Support functions:** Quality System Quality Audit Administration **Sampling and Testing:** 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

DETAIL OF ACCREDITATION

Materials/Products tested	Type of test/Properties measured/Range of measurement	Standard specifications/ Equipment/Techniques used	Location Code
ATMOSPHERIC POLLUTANTS AND EFFLUENTS - STACK GAS SAMPLES	Physical Testing	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 for laboratories carrying out testing of samples from stack emissions monitoring	
Filter Papers and Rinse Solutions	Weighing of Particulate Matter	BS EN 13284-1:2017 (L-05)	A
	Weighing of Particulate Matter <10 Micron (PM_{10} and $PM_{2.5}$)	BS EN ISO 23210:2009 (L-05)	A
Testing of Stack Emissions to Atmosphere	Sampling with subsequent analysis by an ISO 17025 Accredited Laboratory	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 (S-07)	B
	Particulate Matter <10 Micron (PM_{10} and $PM_{2.5}$)	BS EN ISO 23210:2009 (S-34)	B
	Hydrogen Chloride	BS EN 1911:2010 (S-12)	B
	Hydrogen Fluoride	PD CEN/TS 17340:2020 (S-14)	B
	Sulphur Dioxide	BS EN 14791:2017 (S-19)	B
	Ammonia	EN ISO 21877:2019 (S-18)	B

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)	Sampling with subsequent analysis by an ISO 17025 Accredited Laboratory (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	
	Hydrogen Sulphide	US EPA Method 11 (S-15)	B
	Hydrogen Cyanide	US EPA OTM 029:2011 (S-13)	B
	Halides and Halogens Hydrogen Bromide Chlorine Bromine	US EPA Methods 26 and 26a (S-11)	B
	Metals	BS EN 14385:2024 (S-24)	B
	Mercury	BS EN 13211:2001 (S-25)	B
	Dioxins and Furans (Brominated and/or Chlorinated)	BS EN 1948-1:2006 (S-22)	B
	Dioxin-like Polychlorinated Biphenyls (PCBs)	BS EN 1948-4:2010 (S-22)	B
	Polycyclic Aromatic Hydrocarbons (PAHs)	BS ISO 11338-1:2003 (S-23)	B
	Isocyanates	US EPA CTM 036 (S-16)	B
	Odour (direct sampling of dry stacks and dynamic dilution sampling of hot wet stacks)	EN 13725:2022 (S-31)	B
	Total Oxides of Nitrogen (NO, NO_2 and nitric acid vapour)	US EPA Method 7D (S-21)	B

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)	Sampling with subsequent analysis by an ISO 17025 Accredited Laboratory (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	
	Formaldehyde	CEN/TS 17638:2021 (S-40)	B
	Hydrogen Sulphide	CEN/TS 13649:2014 (S-10)	B
	Speciated VOCs (carbon and other suitable tubes) (direct sampling of dry stacks and dynamic dilution sampling of hot wet stacks) Mercaptans Amines and Amides Phenols Cresols Carboxylic Acids Aldehydes	CEN TS 13649:2014 (S-10)	B
	Sampling and On-Site analysis		
	Water Vapour	EN 14790:2017 (S-09)	B
	Sampling and On-Line analysis		
	Pressure, Temperature and Velocity (point velocity method) for: Periodic Compliance Monitoring	BS EN ISO 16911-1:2013 & EA MID 16911-1 using differential pressure device (pitot tube) method (S-03) Procedure to meet requirements of PD CEN TR 17078:2017 Measurement Objective 1	B
	Carbon Monoxide*	BS EN 15058:2017 (S-02 - NDIR analyser)	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)	Sampling and On-Line analysis (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	
	Carbon Dioxide*	PD CEN/TS 17405:2020 (S-02 - NDIR analyser)	B
	Nitrogen Monoxide (NO)*	BS EN 14792:2017 (S-02 - Chemiluminescence analyser)	B
	Nitrogen Dioxide (NO_2)*	BS EN 14792:2017 (S-02 - Chemiluminescence analyser)	B
	Oxides of nitrogen (NOx)*	BS EN 14792:2017 (S-02 - Chemiluminescence analyser)	B
	Oxygen*	BS EN 14789:2017 (S-02 - Validated Zirconium cell analyser) (S-02 - Paramagnetic analyser)	B
	Total Gaseous Organic* Carbon (TOC / VOC) (0 to 1000 mg/m³)	BS EN 12619:2013 (S-08 - FID Analyser)	B
Stack Emissions - Continuous Emissions Monitoring Systems (CEMS)	QAL 2 and the Annual Surveillance Test (AST) for CEMS	Documented in house procedure S-29 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	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.