Aspen Environmental Ltd
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Stack & Other Testing Methods utilised by Aspen Environmental Ltd

UKAS Accreditation:

UKAS is the United Kingdom Accreditation Service, and administers Aspen's accreditation to *BS EN ISO 17025:2005 General requirements for the competence of testing and calibration laboratories*. UKAS perform audits on Aspen's performance, both on our own, and on sites where Aspen is involved in testing, to ensure the ongoing efficiency and competance of the organisation. UKAS accreditation ensures that all testing and analysis is controlled to the same standard, and thereby ensures the veracity of the results.

MCerts Accreditation:

The Environment Agency's Monitoring Certification Scheme (MCerts) consists of a series of parts of which two are relevant to Aspen. The first is a personal training and endorsement scheme, to which all our emissions testing staff belong. The second is a company scheme, which is effectively an extension to the UKAS accreditation scheme above, and also administered by UKAS. The MCerts scheme is currently required for all testing on sites regulated by the EA, and involves extra work over and above BS 17025 such as the preparation and use of site specific reviews and protocols, and a new extensive reporting requirement.

Aspen Environmental Ltd undertakes testing to MCerts & UKAS standards, as well as some testing which while currently not accredited, is conducted within our quality system. Where the extra expense (to the client), of testing & reporting to the MCerts standard is not required (e.g. for a local authority regulated schedule A2 or B process), Aspen recommends that in the best interest of the client, the MCerts standard be waived, and testing should follow the UKAS accredited protocols.

The following list is of tests undertaken by Aspen Environmental Ltd, and their quality status.

Tests for which Aspen is MCerts & UKAS accredited:
Emissions Methods:
Flow in Ducts to BS 9096. 2003 (Range 4 - 18 m/s)
Total Organics using a Bernath 3005 FID to EN 12619. 1999 & EN 13526. 2002
Speciated Organics using Charcoal tubes to EN 13649. 2002
Combustion Gases using a Gas Analyser:
- Oxygen to EN 14789:2005
- Carbon monoxide to EN 15058:2006
- Carbon dioxide to ISO 12039:2001
- Nitrogen oxides (as NOx) to EN 14792:2005

Tests for which Aspen is MCerts & UKAS accredited (continued):
Emissions Methods (continued):

Particulates to EN 13284.1 & BS 9096. 2003
Water vapour to EN 14790:2005
Hydrogen chloride to EN 1911-1:1998
Hydrogen sulphide to USEPA Method 11
Sulphur dioxide to EN 14791:2005
Aliphatic Amines to EN 13649 (NIOSH Method 2010)
Aromatic Amines to EN 13649 (NIOSH Method 2002)

Tests for which Aspen is UKAS only accredited:
Occupational hygiene derived & other Emissions Methods:

Hydrogen chloride to EN 13649 (NIOSH 7903)†
Hydrogen fluoride to EN 13649 (NIOSH 7903)†
Hydrogen cyanide to EN 13649 (NIOSH 6010)
Ammonia to EN 13649 (NIOSH 6016)
Formaldehyde to EN 13649 (NIOSH Method 2541)
Non methane hydrocarbons EN 13649 water trap method (EA Guidance LFTGN08)

Tests for which Aspen is not currently accredited:
Emissions Methods:

Bitumen fume EN 13284 & MDHS 68
Phenolics EPA Method TO8
Mercaptans NIOSH 2542
Odour by Olfactometry EN 13725
Isocyanates MDHS 25/3

Occupational Hygiene Testing Methods:

Airborne Particulates MDHS 14/3
Airborne Solvents MDHS 70
Isocyanates MDHS 25/3
LEV System Testing HSG 54

Weighing Methods

Particulate Matter to MDHS 14/3

Environmental Noise to BS 4142

Using a Rion NL-32 Class 1 Real Time Sound Level Meter

Notes

All analyses associated with the above methods are subcontracted to UKAS accredited laboratories.

For Aspen Environmental Ltd,

Geoff Buck.

Dr Geoff Buck.
Director