

# Scientific Services information sheet

## Stack Emissions Monitoring

Northumbrian Water Scientific Services (NWSS) has one of the largest dedicated teams of MCERTS qualified consultants, providing industrial stack emissions monitoring throughout the UK for almost 20 years (previously as AES).

NWSS have a comprehensive UKAS accreditation schedule, which covers both the sampling and analysis of the periodic monitoring required by permits issued under the Environmental Permitting Regulations (EPR). Sampling activities are accredited by UKAS to the Environment Agency's MCERTS performance standard, and these are complimented by in house, UKAS accredited, laboratory analysis to ISO 17025. Methods and schedules are continually updated to reflect the requirements specified in Environment Agency Technical Guidance Note M2.

NWSS provide monitoring for industrial clients for a wide range of scenarios including compliance, BS EN 14181 QAL 2 and AST, fuel trials, process, investigation, and commissioning. NWSS have also performed check monitoring regularly for the Environment Agency (EA) and Scottish Environment Protection Agency (SEPA) over the past 15 years.

NWSS will provide advice throughout all stages of a project, from initial interpretation of permit requirements and sample location planning in accordance with BS EN 15259, including homogeneity testing, laboratory liaison to ensure correct limit of detection, production of Site Specific Protocol (SSP), through to MCERTS report format. In addition we will be happy to provide assistance with EA Operator Monitoring Assessment (OMA) visits.

NWSS are members of the Source Testing Association (STA) and actively participate in the task groups.

**For further information and expert assistance please call us on 0870 320 4567 or email [enquiry-nwss@nwl.co.uk](mailto:enquiry-nwss@nwl.co.uk)**



### Monitoring Standards:

- BS EN 13284-1 Particulates
- BS ISO 9096 Particulates
- BS EN 1911 HCl
- BS ISO 15713 HF
- BS EN 14385 Metals
- BS EN 13211 Mercury
- BS EN 1948 Dioxins/PCB
- BS ISO 11338 PAH
- BS EN 13649 Speciated VOC
- BS EN 12619 Total VOC (low)
- BS EN 13526 Total VOC (high)
- BS EN 14789 Oxygen
- BS EN 14790 H<sub>2</sub>O
- BS EN 14791 SO<sub>2</sub>
- BS EN 14792 NO<sub>x</sub>
- BS EN 15058 CO
- EA TGN M22 FTIR
- NH<sub>3</sub> based on BS EN 14791
- BS ISO 23210 PM<sub>10/2.5</sub>
- BS EN 14181 QA of AMS
- BS EN 15259 Sampling strategy
- US EPA 11 H<sub>2</sub>S

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