


# Schedule of Accreditation

issued by

## United Kingdom Accreditation Service

21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 <p style="text-align: center;"><b>Accredited to ISO/IEC 17025:2005</b></p>	<h3 style="margin: 0;">CPL Laboratories</h3> <p style="margin: 0;"><b>Issue No: 034    Issue date: 21 November 2011</b></p>	
	<p><b>CPL Industries</b> Mill Lane Wingerworth Chesterfield Derbyshire S42 6NG</p>	<p><b>Contact: Dr Melanie Webb</b> Tel: +44 (0)1246 212341 Fax: +44 (0)1246 212337 E-Mail: <a href="mailto:Melanie.Webb@cplindustries.co.uk">Melanie.Webb@cplindustries.co.uk</a> Website: <a href="http://www.cpllaboratories.co.uk">www.cpllaboratories.co.uk</a></p>
<p><b>Testing performed by the Organisation at the locations specified below</b></p>		

### Locations covered by the organisation and their relevant activities

#### Laboratory locations:

Location details	Activity	Location code		
<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"><b>Address</b> CPL Industries Mill Lane Wingerworth Chesterfield Derbyshire S42 6NG</td> <td style="width: 50%; border: none;"><b>Local contact</b> Dr Melanie Webb  Tel: +44 (0)1246 212341 Fax: +44 (0)1246 212337 Email: <a href="mailto:Melanie.Webb@cplindustries.co.uk">Melanie.Webb@cplindustries.co.uk</a></td> </tr> </table>	<b>Address</b> CPL Industries Mill Lane Wingerworth Chesterfield Derbyshire S42 6NG	<b>Local contact</b> Dr Melanie Webb  Tel: +44 (0)1246 212341 Fax: +44 (0)1246 212337 Email: <a href="mailto:Melanie.Webb@cplindustries.co.uk">Melanie.Webb@cplindustries.co.uk</a>	<p><b>Support Functions:</b> Quality System Quality audit Administration</p> <p><b>Sampling and Testing:</b> Environmental Analysis Physical Testing Stack Emissions Testing</p>	A
<b>Address</b> CPL Industries Mill Lane Wingerworth Chesterfield Derbyshire S42 6NG	<b>Local contact</b> Dr Melanie Webb  Tel: +44 (0)1246 212341 Fax: +44 (0)1246 212337 Email: <a href="mailto:Melanie.Webb@cplindustries.co.uk">Melanie.Webb@cplindustries.co.uk</a>			

#### Site activities performed away from the locations listed above:

Location details	Activity	Location code
Boreholes, Distribution Pipelines, Flues and Ducts	Sampling and Analysis	B
Customer Sites requiring Stack Emissions Testing	Stack Emissions Testing	C

#### Sanctions history:

Please refer to the table at the end of this accreditation schedule for a detail of any 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.



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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
WATERS and AQUEOUS SOLUTIONS	<u>Chemical Tests</u>	Documented In-house Methods based on Standing Committee of Analysts Methods (MEWAM), HMSO publication "Analysis of Raw, Potable and Waste Waters" and BS 6068	
Surface, ground and waste waters	Cadmium Chromium Copper Iron Lead Manganese Nickel Zinc	AM-036:Part 1 (sample prep) and AM-036 Part 2 (analysis by FAAS)	A
	pH	AM-032 by pH Meter	A
ATMOSPHERIC POLLUTANTS AND EFFLUENTS - STACK GAS SAMPLES	<u>Chemical Tests</u>	Documented In-House Methods based on the following national, international and other recognised standards	
Impinger Solutions (sulphuric acid)	Ammonia	IC analysis (AM052)	A
Impinger Solutions (sodium hydroxide, water or sulphuric acid)	Halides and halogens Fluoride Chloride Bromide Sulphate	US EPA Method 26 using IC analysis (AM050)	A
Impinger Solutions (dilute hydrogen peroxide)	Sulphate	BS EN 14791 using IC analysis (AM050)	A
Impinger Solutions (water)	Hydrogen Chloride	BS EN 1911:2010 using IC analysis (AM050)	A
Impinger Solutions (sodium hydroxide, water or sulphuric acid)	Hydrogen Fluoride	US EPA Method 26 using IC analysis (AM050)	A



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LANDFILL GAS	<u>Sampling from boreholes and distribution pipelines</u>	Documented In-house Method LFG01 based on BS 3156:1968 (withdrawn)	B
Landfill Engine Gas Inlets	Speciated VOCs	Documented In-house Method ST13 based on BS EN 13649:2002	B
	<u>Chemical Tests</u>		
	Moisture	Documented In-House Method LFG02 based on US EPA Method 4	B A, B
Filter Papers and Rinse solutions	Hydrogen Sulphide	Documented In-House Method LFG03 based on US EPA Method 11	
	<u>Physical Testing</u>		
	Weighing of Particulate Matter	BS EN 13284-1:2002 (ST5)  BS ISO 9096:2003 (ST6)	A  A
Testing of Stack Emissions to Atmosphere	<u>Sampling and On-Site analysis</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	
	Water Vapour	US EPA Method 4 (ST2)	C
	<u>Sampling with subsequent analysis by an ISO/IEC 17025 Accredited Laboratory</u>		
	Halides and Halogens: Hydrogen Chloride Hydrogen Bromide Hydrogen Fluoride Chlorine	USEPA Method 26 (ST8a)	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, 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 (cont'd)	
	Hydrogen Fluoride	USEPA Method 26 (ST8)	C
	Ammonia	USEPA Method 26 (ST10)	C
	Hydrogen Cyanide	USEPA Method 26 (ST11)	C
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 <sup>3</sup> )	BS EN 13284-1:2002 (ST5)	C
	Total Particulate Matter (20 to 1000 mg/m <sup>3</sup> )	BS ISO 9096:2003 (ST6)	C
	Hydrogen Chloride	BS EN 1911:2010 (ST9)	C
	Halides and Halogens: Hydrogen Bromide Chlorine Bromine	US EPA Method 26 (ST8)	C
	Sulphur Dioxide	BSEN14791:2005 (ST23)	C



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Testing of Stack Emissions to Atmosphere (cont'd)	<u>Sampling with subsequent analysis by an ISO/IEC 17025 Accredited Laboratory (cont'd)</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)	
	Hydrogen Sulphide	US EPA Method 11 (ST18)	C
	Ammonia	BS EN 14791:2005 (ST10)	C
	Metals	BS EN 14385:2004 (ST14)	C
	Mercury	BS EN 13211:2001 (ST14)	C
	Dioxins and Furans	BS EN 1948-1:2006 (ST15)	C
	Dioxin like Polychlorinated Biphenyls (PCB's)	BS EN 1948-4:2010 (ST15)	C
	Polycyclic Aromatic Hydrocarbons (PAHs)	BS ISO 11338-1:2003 (ST20)	C
Speciated VOCs (carbon and other suitable tubes) (including hot wet stacks using dynamic dilution): Amines and Amides Phenols Cresols Carboxylic Acids Aldehydes	BS EN 13649:2002 (ST13)	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 (ST2)	C
	<u>Sampling and On-Line analysis</u>		
	Pressure, Temperature and Velocity	BS EN 13284-1:2002 (ST5)	C
	Carbon Monoxide*	BS EN 15058:2006 (ST22 - NDIR analyser)	C
	Carbon Dioxide*	ISO 12039:2001 (ST22 - NDIR analyser)	C
	Nitrogen Monoxide (NO)*	BS EN 14792:2005 (ST22 - Chemiluminescence analyser)	C
	Nitrogen Dioxide (NO <sub>2</sub> )*	BS EN 14792:2005 (ST22 - Chemiluminescence analyser)	C
	Sulphur Dioxide*	EA TGN M21 (ST22 - NDIR analyser)	C
Oxygen*	BS EN 14789:2005 (ST22 - 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)	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)	
	Total Gaseous Organic Carbon* (TOC/VOC) (20 to 500 mg/m <sup>3</sup> )	BS EN 13526:2002 (ST24 - FID analyser)	C
	Total Gaseous Organic Carbon* (TOC/VOC) (0 to 20 mg/m <sup>3</sup> )	BS EN 12619:1999 (ST24 - 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:**

<b>Date of Sanction</b>	<b>Sanction Taken</b>	<b>Tests Affected</b>	<b>Date Sanction Cleared</b>
06 May 2011	Additional surveillance visit to laboratory	All Isokinetic sampling for stack emissions testing	26 September 2011