

DR. SPORENBERG

Umweltschutz Meßtechnik GmbH

Bad Muskau

BRIEF INFORMATION

Company	DR. SPORENBERG Umweltschutz Meßtechnik GmbH Heideweg 2 D-02953 Bad Muskau Telephone +49 35771/69381 Telefax +49 35771/60213 E-Mail info@dr-sporenberg-bm.de Website www.dr-sporenberg-bm.de
Manager	Reinhard Waneck (science degree in physics)
Year of foundation	1992
Staff	11
Business portfolio	<ul style="list-style-type: none">• environmental protection measurements• forecasts and spread calculations• environmental protection engineering• research and development• environmental and permission management• provision of external immission control representatives
Accreditation	<ul style="list-style-type: none">• in accordance with DIN EN ISO/IEC 17025:2005 and CEN/TS 15675:2007• D-PL-14605-01-00
Approvals / Announcements	<ul style="list-style-type: none">• §§ 26, 28 Federal Immission Control Act (BImSchG)• No. 5.3.3 Technical Instructions on Air Quality Control (TA-Luft, 4. BImSchV, app. col. 1 and 2)• § 17a par. 2 of the 1. Ordinance on the Implementation of the Federal Immission Control Act (BImSchV)• § 12 par. 7 of the 2. Ordinance on the Implementation of the Federal Immission Control Act (BImSchV)• § 8 par. 3 and 4 of the 30. Ordinance on the Implementation of the Federal Immission Control Act (BImSchV)• § 5 par. 4 of the 31. Ordinance on the Implementation of the Federal Immission Control Act (BImSchV)• § 14 par. 2 and 3 of the 13. Ordinance on the Implementation of the Federal Immission Control Act (BImSchV)• § 10 par. 2 and 3 and § 13 par. 1 of the 17. Ordinance on the Implementation of the Federal Immission Control Act (BImSchV)• § 7 par. 3 of the 27. Ordinance on the Implementation of the Federal Immission Control Act (BImSchV)• § 10 (in prep.) and § 11 par. 1 no. 3 of the 17. Ordinance on the Implementation of the Federal Immission Control Act (BImSchV)

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NOTIFICATION AS IMMISSION CONTROL LABORATORY

The notification is valid for the whole area of the Federal Republic of Germany. The notification is published in the online research system for notified immission control laboratories (ReSyMeSa → <http://www.luft.sachsen.de>)

ACCREDITATION

- in accordance with DIN EN ISO/IEC 17025:2005 and CEN/TS 15675:2007
- D-PL-14605-01-00

ANNOUNCED EXPERT IMMISSION CONTROL LABORATORY ACCORDING TO

- Class I** • §§ 26, 28 Federal Immission Control Act (BImSchG)
- Class II** • No. 5.3.3 Technical Instructions on Air Quality Control (TA- Luft, 4. BImSchV, app. col. 2)
• § 17a par. 2 of the 1. Ordinance on the Implementation of the Federal Immission Control Act (BImSchV)
• § 12 par. 7 of the 2. Ordinance on the Implementation of the Federal Immission Control Act (BImSchV)
• § 8 par. 3 and 4 of the 30. Ordinance on the Implementation of the Federal Immission Control Act (BImSchV)
• § 5 par. 4 of the 31. Ordinance on the Implementation of the Federal Immission Control Act (BImSchV)
- Class III** • No. 5.3.3 Technical Instructions on Air Quality Control (TA- Luft, 4. BImSchV, app. col. 1)
• § 14 par. 2 and 3 of the 13. Ordinance on the Implementation of the Federal Immission Control Act (BImSchV)
• § 10 par. 2 and 3 of the 17. Ordinance on the Implementation of the Federal Immission Control Act (BImSchV)
• § 7 par. 3 of the 27. Ordinance on the Implementation of the Federal Immission Control Act (BImSchV)
- Class IV** • § 13 par. 1 of the 17. Ordinance on the Implementation of the Federal Immission Control Act (BImSchV)
• § 10 (in prep.) and § 11 par. 1 no. 3 of the 17. Ordinance on the Implementation of the Federal Immission Control Act (BImSchV)

FIELD OF ACTIVITY

Determination of the following emissions:

- inorganic gases (A)
- dust, particulate matter and adsorbed chemical compounds on dust (D)
- organic-chemical compounds (I)
- highly toxic organic-chemical compounds in extremely low concentrations (dioxins and furans (M))
- odour (O)

Verification of the proper installation and function

as well as the calibration of continuous working measurement devices for:

- inorganic gases (C)
- dust and particulate matters (F)
- organic-chemical compounds (L)

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ENVIRONMENTAL PROTECTION MEASUREMENTS AND ANALYSES

RANGE OF SERVICES

Measurements and Analyses:

- as announced immission control laboratory for governmentally disposed verification measurements
- within the scope of in-company analyses

Determination of emissions, immissions, inner room and workplace measurement values of air pollutants, odorants and noise and the assessment of this values according to current directives

The analyses of air pollutants include in detail:

- determination of total dust (particulate matter) and dust ingredients, especially heavy metals
- determination of the particle size distribution of dust by use of fractionating particle measurement with cascade impactor
- emission determination of gaseous inorganic substances e.g. SO₂, SO₃, NO, NO₂, CO, CO₂, HF, HCl, NH₃, H₂S, Cl₂ and others
- emission determination of gaseous organic pollutants
 - total organic carbon content
 - kind of organic-chemical compounds (e.g. aromatics, aliphatics, ketone, ester, alcohols and others)
 - sampling of highly toxic organic-chemical compounds (dioxins and furans)
- function test and calibration of continuous working dust and gas emission measurement technique
- function test of electronic evaluation systems of emission measurement installations
- analysis of inner room and workplace gaseous or dust pollutions

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ENGINEERING · RESEARCH · DEVELOPMENT

INDEX OF SERVICES

- determination of the emissions of air pollutants, especially inorganic gases, dust and particulate matters, organic-chemical compounds and highly toxic organic-chemical compounds in extremely low concentrations (dioxins and furans)
- determination of odour emissions
- forecasts for emissions and immissions of air pollutants, odorants and noise
- implementation of permission procedures
- environmental impact assessments (EIA)
- spread calculations for air pollutants, odorants and noise
- height calculations for industrial chimneys
- research and development of procedures and installations for the purification of exhaust gases
- preparation of emission declarations
- environmental management system - audit
- certification of disposal companies - preparation of documents
- provision of external immission control representatives
- expert survey of the type and the installation of continuous working measurement devices
- efficiency assessment of exhaust systems
- determination of flow profiles in flues and exhaust air pipes

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SELECTION OF ANALYSED FACILITIES

- brown and hard coal fired power stations
- combined heat and power station based on coal, light oil and natural gas
- heating houses of different facilities
- facilities of glass, ceramic and cement producing industry
- wood incineration facilities
- sludge incineration facilities
- pyrolysis facilities
- shredder facilities
- hazardous / special waste incineration facilities
- ammunition disposal facilities
- steelworks
- metalworking industry
- woodworking industry
- cement and gypsum industry
- paint and printing industry
- textile industry
- chemical industry
- smokehouse facilities
- crematoria
- combustion engine based on natural, sewage, landfill and bio gas
- waste treatment facilities