



Course no.
AA543

Sampling of solid waste according to LAGA PN 98

Course for certification of required expertise / specialist competence



07.11.2026 | BEW-Duisburg

| 09:00 a.m. – 5:00 PM



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Course fees (€)

Face-to-face attendance

Regular*

495,-

Association members*

455,-

AAV, BDE, BDG, BVB, BVK, BWK, DGAW, DVGW, DWA,
EdDE, InwesD, ITAD, ITVA, VDRK, vero, VKS im VKU,
WFZruhr

The course fee includes seminar materials, the lunch buffet and soft drinks.

**plus VAT on services subject to VAT

Scan for more info
and registration



bew.de/aa543

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Description

Proper testing and classification of waste, soil and other deposited materials is essential to meet the requirements of the German Landfill Ordinance (DepV) and other relevant environmental regulations. With our practice-oriented training course based on LAGA PN 98, you will acquire the necessary expertise to plan sampling in accordance with current quality standards, take samples correctly and document the entire process accurately.

In the context of public tenders, particularly in the field of contaminated site investigations, environmental assessments and the remediation of contaminated sites, clients often require personalised proof of the qualifications and training of the specialists involved. This is to ensure that the samples are taken in accordance with best practice and standards, which is an important prerequisite for preventing legal and liability risks.

Sampling, as an integral part of a physical, chemical or biological investigation, has a significant impact on the quality of the results. Careful sampling is therefore an essential prerequisite for the accuracy and reliability of analytical results.

Upon successful completion of the final test, you will receive a certificate of expertise (*Sachkunde*). Provided you have passed the expertise assessment and met the other requirements, you may also apply for certification of specialist competence (*Fachkunde*) after attending the training course. Both certificates must be renewed at least every five years to comply with legal obligations and quality assurance requirements.

Benefits

This training course covers the relevant topics for correct sampling and analysis of soil and waste in accordance with LAGA PN 98. You will gain practical insights into the methodology and legal requirements needed to carry out these procedures properly and in line with standards.

- How is sampling done correctly?
- How can the sampler ensure that the sample is representative?
- What needs to be done to ensure the quality of the samples?

In this seminar, the basic rules for performing sampling are presented using case studies. Preparation and planning for sampling are also covered. The sampling procedure and the sampling report are first explained in theory and then put into practice during a practical exercise. Various methods are demonstrated and tried out, and different sources of error are highlighted.

Our expert, Dr Georg Szczenzina from Herten in Germany, is a publicly appointed and sworn expert in sampling, a sworn expert in solid fuels and a sworn commercial chemist, accredited by the North Westphalia Chamber of Industry and Commerce. As a certified technical assessor for accreditations in accordance with DIN EN ISO/IEC 17025, DIN EN ISO/IEC 17020 and DIN EN ISO/IEC 17043, he is particularly well-versed in the requirements of the German accreditation body DAkkS (Deutsche Akkreditierungsstelle GmbH – fields of chemistry, fuels, mineral oil and sampling, as well as analysis of solid and liquid fuels) and can also provide you with helpful advice for upcoming audits.

Target audience

Professionals from the fields of environmental management and waste management, staff from public administration or regulatory authorities, and staff from laboratories and testing centres certified to DIN EN ISO/IEC 17025, as well as staff from engineering firms who work as samplers in contaminated site remediation or soil protection, plan sampling or need to evaluate analysis results.

Topics/agenda

Fundamentals of sampling

- Importance and objectives of sampling
- Requirements for sampling
- Sampling of important waste and recyclable materials
- Sampling of contaminated soil



Legal requirements and applicable standards

- LAGA Guideline PN 98
- Landfill Ordinance (DepV)
- DIN EN 932-1: Test for general properties of aggregates
- DIN EN ISO/IEC 17025: General requirements for the competence of testing and calibration laboratories
- DIN EN ISO/IEC 17020: Conformity assessment – Requirements for the operation of various types of bodies performing inspection
- DIN 19698-1: Guidance for the segmental sampling of stockpiles of unknown composite
- DIN 19698-2: Guidance for taking samples of stockpiles for integral characterisation

Planning and documentation of sampling

- Contents and preparation of the sampling plan in accordance with LAGA PN 98
- Structure and contents of the sampling report
- Additional and supplementary information

Preparing for sampling

- What will be sampled?
- Protective equipment
- Sampling equipment
- Tools
- Sample containers
- Sample quantity

Carrying out the sampling

- Explanations regarding the sampling procedure
- Effort required for representative sampling

Pre-treatment of samples

- Preservation of samples
- Transport of samples

Consequences of incorrect sampling

- Potential consequential costs
- Civil and criminal liability

Further topics

- Uncertainties in the context of sampling
- Sources of sampling errors
- Basical statistical knowledge

Note: The sampling exercises will take place outdoors. Please make sure you wear appropriate clothing and footwear suitable for the weather!

Lecturer/Trainer

- **Dr. Georg Szczendzina**, publicly appointed and sworn commercial chemist, expert and sampler (IHK North Westphalia), freelance expert, Dr Szczendzina Expert Office, Herten
- The course will be held in German with simultaneous interpretation into English.

Certificate



Certificate of expertise (*Sachkunde*) or Certificate of specialist competence (*Fachkunde*)

Recognized by

- Chamber of Civil Engineers

How to register for course no. AA543

- Directly via our online registration form:
- By emailing or faxing a printed PDF:

www.bew.de/veranstaltungen/anmeldung/aa543

www.bew.de/anmeldeformular