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# DCC - Delta Coal Control GmbH Seminar 2023



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## DCC - Delta Coal Control GmbH Seminar 2023



# Sampling of solid recovered fuels

nach EN 15442/ ISO 21645/ LAGA PN 98/ DIN 19698

One-day expert seminar including an examination German – English simultaneous interpreting service will be provided.



The new German Landfill Ordinance (DepV) requires that sampling be carried out only by persons who have the

necessary specialist knowledge ("Fachkunde").

Specialist knowledge can be proven by qualified training (university studies, etc.) or documented practical experience of many years, each in combination with successful participation in a course for samplers to EN 15442 ISO 21645/ LAGA PN 98/ DIN 19698.

For taking samples when delivering waste to landfills it is sufficient for the sampler to show his or her professional competence ("Sachkunde").

Professional competence can be proven by successful articipation in a course for samplers to EN 15442/ ISO 21645/ LAGA PN 98/ DIN 19698.

Sampling records may only be signed by persons who have the necessary specialist knowledge. Sampling records are to be archived for five years and must be presented to the authorities on request. For public tendering procedures, it is often also required that a person-related certificate of competence for sampling to EN 15442/ ISO 21645/ LAGA PN 98/ DIN 19698 is provided.

After successful participation in this course for samplers you will be awarded a certificate of professional competence to EN 15442/ ISO 21645/ LAGA PN 98/ DIN 19698.

Topics covered:

- Why is sampling so important?
- German Landfill Ordinance DepV 2009/2011
- Sampling uncertainty
- DIN EN 932-1 Test for general properties of aggregates
- Part 1: Methods for sampling
- ISO/IEC 17025 General requirements for the competence of testing and calibration laboratories
- DIN 19698-1 Guidance for the segmental sampling of stockpiles
- Basic knowledge of statistics
- Proficiency tests (round robin tests), interlaboratory comparisons
- · Internal audits

### CERTIFICATE ISSUED

Certificate of professional competence EN 15442/ ISO 21645/ LAGA PN 98/ DIN 19698: The certificate is to be renewed before expiry of 2 years, as the validity period recognized by the supervisory authorities is limited.

### TARGET GROUP

The seminar is designed for employees from the waste management sector, working as samplers for authorities, local governments, landfill operators, test laboratories and engineering firms or being in charge of assessing analysis results.

START: 09:30 bis 17:00 Uhr, 8 Teaching units

### **AGENDA**

Fundamentals of sampling

- Importance and objectives of sampling
- General requirements for sampling
- Sampling of important waste and recyclable materials
- Sampling of contaminated soil Sampling plan/record
- Structure of the sampling plan
- Structure of the sampling record
- Additional information and supplements Preparation for sampling
- How to carry out sampling
- Personal protective equipment (PPE)
- Sampling equipment
- Tools and implements
- Sample containers
- Sample size

Performance of sampling/exercises

- Explanations on the sampling procedure
- Practical drawing up of a sampling record
- Discussion of effort involved in representative sampling
- Practical sampling exercise Treatment of samples
- Preservation of samples
- Transport of samples

Consequences of improper sampling

- Risk of damage/consequential costs
- Liability under civil and criminal law

### **SPEAKER**

Dr. rer. nat. Georg F. Szczendzina, Expert Office (Herten/Germany)

Dr. Georg Szczendzina is a graduate chemist, sworn commercial chemist, expert and sampler for solid fuels publicly appointed by the Chamber of Commerce and Industry for Northern Westphalia. He is also an expert authorized to issue of gas-free certificates to ADN, accredited by the German ship inspection/gauging office.

He also works as an assessor for DAkkS (German accreditation body), as an accredited expert for accreditations to ISO 17025:2018 by DAkkS Deutsche Akkreditierungsstelle GmbH. Fields of expertise: chemistry, fuels, mineral oil, and sampling and analysis of solid, gaseous and liquid fuels.

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