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Standard Recommendation
S.R. CEN/TR 13097:2010

Characterization of sludges - Good practice for sludge utilisation in agriculture

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TECHNICAL REPORT

RAPPORT TECHNIQUE

TECHNISCHER BERICHT

CEN/TR 13097

June 2010

ICS 13.030.20

Supersedes CR 13097:2001

English Version

Characterization of sludges - Good practice for sludge utilisation in agriculture

Caractérisation des boues - Bonne pratique pour la valorisation des boues en agriculture

Charakterisierung von Schlämmen - Leitfaden für die Verfahrensweise bei der Verwendung von Schlämmen in der Landwirtschaft

This Technical Report was approved by CEN on 9 February 2010. It has been drawn up by the Technical Committee CEN/TC 308.

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Foreword

This document (CEN/TR 13097:2010) has been prepared by Technical Committee CEN/TC 308 “Characterisation of sludges”, the secretariat of which is held by AFNOR.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN [and/or CENELEC] shall not be held responsible for identifying any or all such patent rights.

This document supersedes CR 13097:2001.

This document gives recommendations for good practice but existing national regulations remain in force.

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1 Scope

This Technical Report describes good practice for the use of sludges in agriculture (where national regulations permit). It is applicable to all of the sludges described in the scope of CEN/TC 308 (and any of the forms in which they may be presented - liquid, dewatered, dried, composted, etc.) i.e. sludges from:

— storm water handling;

— night soil;

— urban wastewater collecting systems;

— urban wastewater treatment plants;

— treating industrial wastewater similar to urban wastewater (as defined in Directive 91/271/EC [1]);

— water supply treatment plants;

— but excluding hazardous sludges from industry.

Such sludges may be used on land as a source of plant nutrients, and/or soil improver, and/or alkaline amendment for crop production. Despite differences in the statutory controls between sewage sludge and other sludges, the use of all types of sludge should follow good practice to maximise benefits for the crops or soils, to minimise potential risks of environmental contamination and adverse impacts on plant, animal and human health, and to ensure sustainability, energy efficiency and cost-effectiveness.

Sludge producers should be aware that if a sludge is used as a fertilising or alkaline amendment, national or EU fertiliser or liming regulations may apply.

The document assumes that an evaluation of sludge utilisation has already been made, and a decision was taken that use of sludge within a land spreading policy is the best option.

For evaluation and decisions for use of sludges, other documents have been developed (see CR 13714, CR 13846).

Many countries and/or local administrations have regulations and/or standards and/or codes of practice applicable to the use of some of the types of sludge that are within the scope of this Technical Report, however it cannot, and does not, attempt to summarise or take account of these regulations, etc. because of their very wide range. It is thus essential that this Technical Report is read in the context of the conditions that prevail locally.

NOTE Adoption in France in 2002 of a standard for standardized composts containing substances from wastewater treatment NF U44-095: *Organic soil improvers – Composts containing substances useful for agriculture, stemming from water treatment*.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 1085:2007, *Wastewater treatment — Vocabulary*

EN 12832:1999, *Characterization of sludges — Utilisation and disposal of sludges — Vocabulary*

CEN/TR 15809, *Characterization of sludges — Hygienic aspects — Treatments*

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