SLOVENSKI STANDARD
SIST-TP CEN ISO/TR 20736:2024

01-junij-2024

Predelava, recikliranje, obdelava in odlaganje blata - Navodilo za toplotno obdelavo blata (ISO/TR 20736:2021)

Sludge recovery, recycling, treatment and disposal - Guidance on thermal treatment of sludge (ISO/TR 20736:2021)

Schlammgewinnung, -verwertung, -behandlung und -beseitigung - Leitfaden für die thermische Behandlung von Schlamm (ISO/TR 20736:2021)

Valorisation, recyclage, traitement et élimination des boues - Lignes directrices pour le traitement thermique des boues (ISO/TR 20736:2021)

Ta slovenski standard je istoveten z: **CEN ISO/TR 20736:2023**

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13.030.20	Tekoči odpadki. Blato	Liquid wastes. Sludge

SIST-TP CEN ISO/TR 20736:2024 **en,fr,de**

TECHNICAL REPORT

RAPPORT TECHNIQUE

TECHNISCHER REPORT

CEN ISO/TR 20736

June 2023

ICS 13.030.20

English Version

Sludge recovery, recycling, treatment and disposal - Guidance on thermal treatment of sludge (ISO/TR 20736:2021)

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CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

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European foreword

The text of ISO/TR 20736:2021 has been prepared by Technical Committee ISO/TC 275 "Sludge recovery, recycling, treatment and disposal" of the International Organization for Standardization (ISO) and has been taken over as CEN ISO/TR 20736:2023 by Technical Committee CEN/TC 308 "Characterization and management of sludge" the secretariat of which is held by AFNOR.

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Endorsement notice

The text of ISO/TR 20736:2021 has been approved by CEN as CEN ISO/TR 20736:2023 without any modification.

TECHNICAL REPORT

ISO/TR 20736

First edition
2021-07

Sludge recovery, recycling, treatment and disposal — Guidance on thermal treatment of sludge

Valorisation, recyclage, traitement et élimination des boues — Lignes directrices pour le traitement thermique des boues

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ISO copyright office
CP 401 • Ch. de Blandonnet 8
CH-1214 Vernier, Geneva
Phone: +41 22 749 01 11
Email: copyright@iso.org
Website: www.iso.org

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Foreword

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This document was prepared by Technical Committee ISO/TC 275, *Sludge recovery, recycling, treatment and disposal*.

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Introduction

Sludge treatment and management is globally a growing challenge for most countries:

— sludge is a by-product of water treatment process produced in large quantities as new wastewater treatment facilities are built and the existing ones are upgraded to keep up with the population growth;

— sludge treatment and disposal constitutes one of the most significant costs associated with water and wastewater treatment;

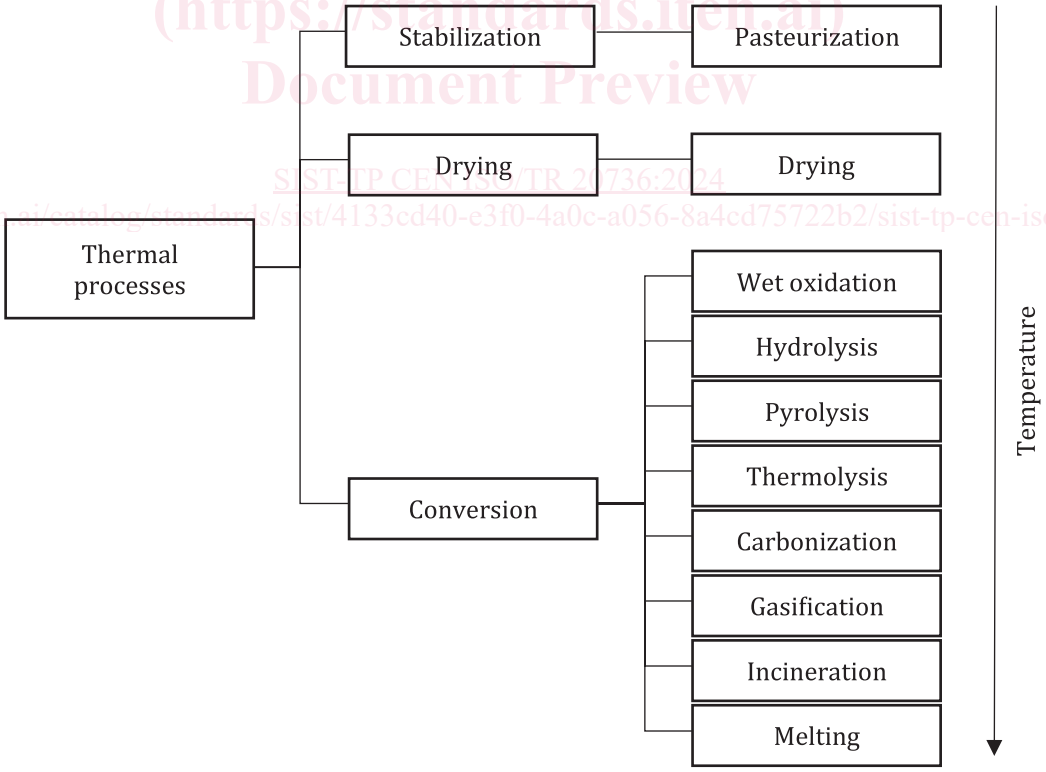
— stricter regulations on conventional outlets such as beneficial agricultural land, composting, landfilling require more treatment due to concerns about the long-term impacts on public health and environment;

— sludge is now being considered as a source of renewable energy, and also a source of valuable components such as carbon and nutrients.

The growing trend to recover energy and resources from waste sludge and stricter regulations on outlets have created interest in a number of thermal treatments and may meet, under certain conditions, the circular economy principles.

The objective of this document is to pragmatically present the methods for thermal treatment of sludge by covering the different process fundamentals, the associated technologies and operational aspects, the management of energy, valuables and residues, the aspects related to impacts and integration of installations referring to them.

Figure 1 highlights the thermal processes covered according to their main function and operating temperature.



NOTE The processes listed in the right column and connected to conversion and drying as main functions also achieve the sludge stabilization.

Figure 1 — Thermal processes covered by this document