**PROGRAMME OF WORK**

**ISO/TC 275**

**SLUDGE RECOVERY, RECYCLING, TREATMENT AND DISPOSAL**

**About**

Secretariat: AFNOR

Committee Manager: M Arnaud Gaudrier

Chairperson (until end 2027): M Pascal Ginisty

Creation date: 2013

**Scope**

* Standardization of the methods for characterizing, categorizing, preparing, treating, recycling and managing sludge and products from urban wastewater collection systems, night soil, storm water handling, water supply treatment plants, wastewater treatment plants for urban and similar industrial waters. It includes all sludge that may have similar environmental and/or health impacts.
* Standardization of measurement methods for characterizing and categorizing encompasses: sampling methods, physical, chemical and microbiological parameters analysis, preparation of sludge, physical behaviour of sludge, all required for the characterization of sludge with a view to facilitate decisions on the choice of the treatment procedures and of the use and disposal of sludge.
* Excluded:
* hazardous sludge from industry and dredged sludge already covered by ISO/TC 190 "Soil Quality"

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| **4** | **7** | **22** | **19** |
| Published ISO standards | ISO standards under development | Participating members | Observing members |

**STRUCTURE**

| Reference | Title | Type |
| --- | --- | --- |
| ISO/TC 275/WG 1 | Terminology | Working group |
| ISO/TC 275/WG 2 | Characterization methods | Working group |
| ISO/TC 275/WG 3 | Anaerobic digestion | Working group |
| ISO/TC 275/WG 4 | Land application | Working group |
| ISO/TC 275/WG 5 | Thermal processes | Working group |
| ISO/TC 275/WG 6 | Thickening and dewatering | Working group |
| ISO/TC 275/WG 7 | Inorganics and nutrients recovery | Working group |
| ISO/TC 275/WG 8 | Communication and Management of Public Perception | Working group |

**PUBLISHED STANDARDS**

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| --- | --- | --- | --- |
| **Sl No.** | **ISO Number and Title** | **Whether adopted** | **Remarks** |
| 1 | [ISO 19388:2023](https://www.iso.org/standard/79665.html?browse=tc)  Sludge recovery, recycling, treatment and disposal — Requirements and recommendations for the operation of anaerobic digestion facilities | No | In the 18th meeting of Solid Waste Management Sectional Committee, CHD 33 (now Waste Management Sectional Committee EED 8) held on 08.02.2024, the committee decided to refer the documents to panel CHD 33 : P4 (now EED 8:P3) Panel for ISO Activities for deliberation and put up the panel’s recommendation in the next technical committee meeting of EED 8.  Accordingly a meeting of this Panel was held on 20.06.2024 and the panel deliberated that the ISO standards needs to be reviewed in detail and may be modified as per conditions relevant to India. The next meeting of this Panel is yet to be scheduled.  *The committee may note.* |
| 2 | [ISO 19698:2020](https://www.iso.org/standard/74262.html?browse=tc)  Sludge recovery, recycling, treatment and disposal — Beneficial use of biosolids — Land application | No |
| 3 | [ISO/TR 20736:2021](https://www.iso.org/standard/78486.html?browse=tc)  Sludge recovery, recycling, treatment and disposal — Guidance on thermal treatment of sludge | No |
| 4 | [ISO/TR 22707:2023](https://www.iso.org/standard/73731.html?browse=tc)  Sludge recovery, recycling, treatment and disposal — Information on the processes and technologies for inorganic substance and nutrient recovery | No |

**STANDARDS UNDER DEVELOPMENT**

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| **Sl No.** | **Document Number** | **Working Group** | **Level of Interest** | **Nominated expert** |
| 1 | [ISO/AWI 8228](https://www.iso.org/standard/86262.html?browse=tc)  Sludge/biosolids toxicological evaluation and classification in land application | ISO/TC 275/WG 4  Land Application | To be discussed in the meeting | Shri T Raghavendra Rao |
| 2 | [ISO/DIS 13610](https://www.iso.org/standard/85954.html?browse=tc)  Sludge recovery, recycling, treatment and disposal — Determination of calorific value of sludge | ISO/TC 275/WG 2  Characterization methods | To be discussed in the meeting | Shri G M Patel |
| 3 | [ISO/DIS 19654](https://www.iso.org/standard/85951.html?browse=tc)  Sludge recovery, recycling, treatment and disposal — Laboratory chemical conditioning procedure | ISO/TC 275/WG 6  Thickening and dewatering | To be discussed in the meeting | Shri T Raghavendra Rao |
| 4 | [ISO/DIS 19658](https://www.iso.org/standard/85952.html?browse=tc)  Sludge recovery, recycling, treatment and disposal — Protocol for validating methods for physical properties of sludges | ISO/TC 275/WG 6  Thickening and dewatering | To be discussed in the meeting | Shri T Raghavendra Rao |
| 5 | [ISO/CD TR 19995](https://www.iso.org/standard/75099.html?browse=tc)  Sludge recovery, recycling, treatment and disposal — Thickening and dewatering | ISO/TC 275/WG 6  Thickening and dewatering | To be discussed in the meeting | Shri T Raghavendra Rao |
| 6 | [ISO/AWI 23880](https://www.iso.org/standard/86269.html?browse=tc)  Sludge recovery, recycling, treatment and disposal — Vocabulary | ISO/TC 275/WG 1  Terminology | To be discussed in the meeting | Shri G M Patel |
| 7 | [ISO/DIS 23882](https://www.iso.org/standard/85953.html?browse=tc)  Sludge recovery, recycling, treatment and disposal — Beneficial use of biosolids land application — Guidelines for risk communication and management of public perception | ISO/TC 275/WG 8  Communication and Management of Public Perception | To be discussed in the meeting | Shri T Raghavendra Rao |