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Thermal Recycling

Language

English

Section:

Austrian waste incineration technologies are in demand all over the world

The thermal utilization of waste constitutes a major pillar of Austrian waste management and contributes to climate protection on a sustained basis, since it has a detrimental effect on the emission of greenhouse gases. Based on laws and standards (such as the Waste Incineration Ordinance), widely accepted high standards exist today.

The successful strategy and experience in waste management are also anchored in the Austrian Masterplan Environmental Technology:

- No more reactive waste in landfills
- Austrian waste incineration technologies are in demand all over the world.
- Combustion plants for municipal waste in Austria: 2.5 million t / a
- Other thermal treatment equipment, especially Co-incineration plants: 2.5 million t / a
- Prerequisites: Corresponding legal foundations and standards, e.g.
 - Waste Incineration Ordinance
 - Provisions for sample collection, sample preparation and analysis (CEN / TC 343)
- Maximum acceptance by the population through best standards

In Austria the combustion of waste is comprehensively regulated by the Waste Incineration Ordinance (AVV). The

AVV applies to hazardous and non-hazardous wastes incinerated in incineration plants or in co-incineration plants (plants with the main source of energy production or the production of material products).

The AVV contains, among other things, limit values for emissions into the air as well as specifications for their compliance. Furthermore, limits are laid down in the AVV for the pollutant content of waste incinerated in cement plants, power plants and other co-incineration plants. In addition, the AVV provides detailed specifications for the sampling planning, sampling and carrying out the investigations of waste incinerated in co-incineration plants.

The requirements for the presence of the end of waste of substitute fuels are also specified in the AVV. A distinction is made between substitute fuel products from wood waste and other substitute fuel products. The limits are based on the composition of comparable conventional fuels.

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https://www.ecotechnology.at/sites/default/files/Abfall_Sortieranlage_Puchstra%C3%9Fe_Saubermacher.jpg

Source and additional information:

BMLFUW <https://www.bmlfuw.gv.at/greentec/abfall-ressourcen/behandlung-verwertung/behandlung-thermisch.html>

Weißbuch „Thermische Restmüllbehandlung in Österreich“, 2. Aktualisierte Auflage

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