Dioxins and Waste-to-Energy Plants: The State of the Art

Historically the Waste-to-Energy (WtE) sector has been associated with dioxin emissions. However, contemporary WtE plants are equipped with complex and extremely efficient flue gas cleaning systems rendering their emissions negligible*.

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Data collected by the E-PRTR* shows that dioxin emissions from WtE account for less than 0.2% of the total industrial dioxin emissions in the EU

It should be noted that the register does not include transport emissions; if that was to be the case, the contribution of WtE sector would be even lower.







A well-managed EU WtE plant emits extremely low concentrations of dioxins and furans regardless of the specific measuring system Data assessments, comparisons and long-term experience of operators have shown similar emission patterns between periodic measurements* and continuous sampling**. * Sampling of dioxin emissions for monitoring occurs at specified time intervals using either manual of sutomated met ** Dioxin emissions are permanently sampled for monitoring using an automated measuring system on said and shut-down. SIDOR WtE plant, Luxembourg

