

Research at the service of the environment Quality process concerning french waste operator Dioxin measurements

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Introduction

At the time when waste production and dioxin measurement are rising, the Vivendis group gives its research effort to anticipate environment's future needs.

In this waste research center, CREED, engineers working are developing waste collection techniques, improving the effectiveness of waste sorting, exploring new recycling techniques, and increasing the safety of landfill sites.

The Vivendis group is the first french operator to develop his own analytical laboratory concerning the dioxin measurements. The project's aim is to assess the content and changing nature of stationary source emissions of his 60 waste incinerators and, in the first step, deals with sampling, extraction, clean-up and quantification of dioxins, according to the EN-1948 method.

Equipped with an Autospec Ultima Mass Spectrometer, the operator gives its mean to anticipate the respect of proposed emission limit for hazardous waste incinerators ($0,1 \text{ ng I-TEQ m}^{-3}$).

The Vivendis group will provide the public that the results produced from emission measurements are of known quality, which is indispensable for developing an effective system for appropriate treatment processes.

References

NF-EN 1948 (1997) method: Stationary source emissions. Determination of the mass concentration of PCDDs/PCDFs.

