

**CONFERENCIA SOBRE OLORES EN EL MEDIO AMBIENTE
26-27 NOVIEMBRE 2019, SANTIAGO, CHILE**

RESUMEN

IS IT POSSIBLE TO SET A SINGLE ODOUR LIMIT?

Díaz Jiménez, Carlos Nietzsche
Olores.org. C/Uribitarte 6, planta baja. 48001, Bilbao, Bizkaia (España)

Analysis of international legislation related to odour impact management shows a wide variety of approaches and limits to tackle odour emissions. One of the most common approaches is setting a limit in odour units at the receptor. Dynamic olfactometry measurement at the source coupled with dispersion modelling is often used although there are other approaches very much valid, such as field inspections. The Odour Impact Criteria (OIC) set are different, depending, for example, on the hedonic tone of the odours. A stricter limit is set to a waste water treatment plant than to the much pleasant odours emitted by a bakery. To this effect some legislations around the world have tables with different odour limits depending on the hedonic tone of the odour emitted by different activities. Resulting in several limits that might not reflect the real odour impact in some cases. In some provinces of the Netherlands it is frequently used a hedonic tone weighted limit. This way an odour limit is tuned depending on the hedonic tone. However, there are other factors important to take into account when dealing with the analysis of the odour impact, being the most common ones the frequency, intensity (vs concentration), duration, offensiveness and sensitivity of the receptors. This concept paper will deal with the development of a simple odour limit for any kind of activity based on the weighting of these five factors. This way legislations on odour impact can be more simply drafted.

Indicar la preferencia de tipo de presentación

- Comunicación oral

Indicar la sesión en la que los autores proponen presentar su trabajo:

- Sesión I. Formación de olores en el medio ambiente. Legislación, normativa y regulación del olor.