Wastewater

NEW PARAMETERS

Wastewater

Wastewater is water of variable composition from many sources as domestic, municipal, industrial or agricultural, and for that reason it has been degraded or altered in its original quality.

All of them are usually collected in a collecting system and sent through a terrestrial emissary to a WWTP (Wastewater Treatment Plant). The aforementioned Directive 91/271/CEE establishes the parameters, limits or the reduction level that the treatment process must achieve.

In discharge authorizations (either to sanitation systems or to public domain) the parameters and limits of application are defined, depending on the raw materials, production process and quality requirements of the receiving environment. It will take into account compliance with the limits for priority and preferential substances in Directive 2008/105/EC. These parameters include mainly organic substances, cyanides, fluorides and metals.

According to the normative which establishes the legal framework for the reuse of treated water, reclaimed water is defined as: 'The treated wastewater that has undergone a treatment process additional or complementary that allows to achieve the quality for their intended use'. This legislation establishes permitted uses, the frequency and quality criteria of this type of wastewater.

Wastewater: Physical-chemical

[ref. 990004]

Round I	Round II	Round III
Week 6 ***5th February 2024***	*Week 22* ***27th May 2024***	*Week 40* ***30th September 2024***
Aluminium Ammonium Biological oxygen demand (BO_5D) Chemical oxygen demand (COD) Chlorides Chromium Copper **New** Fluorides Nickel **New** Nitrates Selenium **New** Suspended solids Toxicity	Anionic surfactants Antimony **New** Biological oxygen demand (BO_5D) Cadmium Chemical oxygen demand (COD) Chromium VI Cobalt **New** Manganese **New** Orthophosphates Suspended solids Total organic carbon (TOC) Total phosphorus Zinc	Arsenic **New** Biological oxygen demand (BO_5D) Boron Chemical oxygen demand (COD) Conductivity at 20ºC Iron Kjeldahl nitrogen Lead pH Suspended solids Thallium **New** Tin **New** Total nitrogen

Metals will be determined as 'total metals'

Wastewater: Microbiology

[ref. 990014]

Round I	Round II
Week 6 ***5th February 2024***	*Week 44* ***28th October 2024***
Clostridium perfringens Enterococci *Escherichia coli* Faecal coliforms *Salmonella* spp. Total coliforms	*Clostridium perfringens* Enterococci *Escherichia coli* Faecal coliforms *Salmonella* spp. Total coliforms

Reclaimed Water

[ref. 990005]

Round I	Round II
Week 16 ***15th April 2024***	*Week 39* ***23rd September 2024***
Boron *Escherichia coli* Intestinal nematodes *Legionella pneumophila* *Legionella* spp. Suspended solids Total phosphorus Turbidity*	Cadmium *Escherichia coli* Intestinal nematodes *Legionella pneumophila* *Legionella* spp. Nitrates SAR* (Sodium Adsorption Ratio) Total nitrogen

** Parameter not included in the scope of accreditation*
Metals will be determined as 'total metals'