



Wastewater

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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
<i>Week 6</i> 6th February 2023	<i>Week 18</i> 2th May 2023	<i>Week 40</i> 2th October 2023
Aluminium Ammonium Biological oxygen demand (BO ₅ D) Chemical oxygen demand (COD) Fluorides Chlorides Chromium Nitrates Suspended solids Toxicity	Anionic surfactants Biological oxygen demand (BO ₅ D) Cadmium Chemical oxygen demand (COD) Chromium VI Orthophosphates Suspended solids Total organic carbon (TOC) Total phosphorus Zinc	Biological oxygen demand (BO ₅ D) Boron Chemical oxygen demand (COD) Conductivity at 20°C Iron Kjeldahl nitrogen Lead pH Suspended solids Total nitrogen

Metals will be determined as "total metals"

Wastewater: Microbiology

[ref. 990014]



Round I	Round II	Round III
<i>Week 6</i> 6th February 2023	<i>Week 18</i> 2th May 2023	<i>Week 43</i> 23th October 2023
<i>Clostridium perfringens</i> Enterococci <i>Escherichia coli</i> Faecal coliforms <i>Salmonella</i> spp. Total coliforms	<i>Clostridium perfringens</i> Enterococci <i>Escherichia coli</i> Faecal coliforms <i>Salmonella</i> spp. Total coliforms	<i>Clostridium perfringens</i> Enterococci <i>Escherichia coli</i> Faecal coliforms <i>Salmonella</i> spp. Total coliforms

Reclaimed Water

[ref. 990005]



Round I	Round II
<i>Week 12</i> 20th March 2023	<i>Week 39</i> 25th September 2023
Boron <i>Escherichia coli</i> Intestinal nematodes <i>Legionella pneumophila</i> <i>Legionella</i> spp. Suspended solids Total phosphorus Turbidity*	Cadmium <i>Escherichia coli</i> Intestinal nematodes <i>Legionella pneumophila</i> <i>Legionella</i> spp. Nitrates SAR* (Sodium Adsorption Ratio) Total nitrogen

* Parameter not included in our accreditation by ENAC

Metals will be determined as "total metals"