



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
<p><i>Week 6</i> 3rd February 2025</p>	<p><i>Week 22</i> 26th May 2025</p>	<p><i>Week 45</i> 3rd November 2025</p>
Aluminium Ammonium Biological oxygen demand (BO ₅ D) Chemical oxygen demand (COD) Chlorides Chromium Copper Fluorides Nickel Nitrates Selenium Suspended solids Toxicity	Anionic surfactants Antimony Biological oxygen demand (BO ₅ D) Cadmium Chemical oxygen demand (COD) Chromium VI Cobalt Manganese Orthophosphates Suspended solids Total organic carbon (TOC) Total phosphorus Zinc	Arsenic Biological oxygen demand (BO ₅ D) Boron Chemical oxygen demand (COD) Conductivity at 20°C Conductivity at 25°C NEW Iron Kjeldahl nitrogen Lead pH Suspended solids Thallium Tin Total nitrogen

Metals will be determined as 'total metals'

Wastewater: Microbiology

[ref. 990014]



Round I	Round II
<p><i>Week 6</i> 3rd February 2025</p>	<p><i>Week 43</i> 20th October 2025</p>
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
<p><i>Week 13</i> 24th March 2025</p>	<p><i>Week 39</i> 22nd September 2025</p>
Boron Escherichia coli Intestinal nematodes Legionella pneumophila Legionella spp. Suspended solids Total phosphorus Turbidity NEW ACCREDITATION	Cadmium Escherichia coli Intestinal nematodes Legionella pneumophila Legionella spp. Nitrates SAR (Sodium Adsorption Ratio) NEW ACCREDITATION Total nitrogen

Metals will be determined as 'total metals'