

Table 9 Water quality items and limits of discharge from dedicated sewage systems in science parks

Scope	Item			Limit	Remarks
All	Water temperature	Discharge into non-marine surface water bodies		Lower than 38°C (from May to September)	
				Lower than 35°C (from October to April of the following year)	
		Direct discharge into the ocean		Water temperature at discharge point ≤ 42°C; temperature difference of surface water 500m from discharge point ≤ 4°C	
	Hydrogen ion concentration index			6.0–9.0	
	Villiaumite			15	
	Nitrate nitrogen			50	
	Ammonia nitrogen	Discharged into tap water quality and volume protection area		10	
		Discharged into sites outside tap water quality and volume protection area	Constructed, under construction or tendering procedures completed before Oct. 12, 2012	30	
			Tendering procedures not completed before Oct. 12, 2012	20	
	Orthophosphate (calculated based on trivalent phosphate ion)	Discharged into tap water quality and volume protection area		4.0	
Total phosphorus	Discharged into sites outside tap water quality and volume protection area	Constructed, under construction or tendering procedures completed before Dec.18, 2024	100	1. In effect from Jan. 1, 2027. 2. If there are technical difficulties or if a project or other improvement measure is involved, the enterprise shall submit an effluent pollutant reduction management plan by Mar. 31, 2026, and shall implement the content of said	

					plan after approval by the special municipality, county, or city competent authority; enforced from Jan. 1, 2029.
				50	<ol style="list-style-type: none"> <li>1. In effect from Jan. 1, 2029.</li> <li>2. If there are technical difficulties or if a project or other improvement measure is involved, the enterprise shall submit an effluent pollutant reduction management plan by Mar. 31, 2028, and shall implement the content of said plan after approval by the special municipality, county, or city competent authority; enforced from Jan. 1, 2031.</li> </ol>
				25	<ol style="list-style-type: none"> <li>1. In effect from Jan. 1, 2031.</li> <li>2. If there are technical difficulties or if a project or other improvement measure is involved, the enterprise shall submit an effluent pollutant reduction management plan by Mar. 31, 2030, and shall implement the content of said plan after approval by the special</li> </ol>

					municipality, county, or city competent authority; enforced from Jan. 1, 2033.
			Tendering procedures not completed before Dec.18, 2024	25	
Phenols				1.0	
Anionic surfactant				10	
Cyanide				1.0	
Grease (Hexane extracts)				10	
Dissolved iron				10	
Dissolved manganese				10	
Cadmium				0.02	
Lead				0.5	
Total chromium				1.5	
Hexavalent chromium				0.35	
Copper	Constructed, under construction or tendering procedures completed before Dec. 18, 2024			1.5	In effect from Jan. 1, 2027.
				1.0	
	Tendering procedures not completed before Dec. 18, 2024			1.0	
Zinc				3.5	
Nickel				0.7	
Selenium				0.35	
Arsenic				0.35	
Tin	Constructed, under construction or tendering procedures completed before Dec. 25, 2017			2.0	
				1.0	
Methyl mercury				0.0000002	
Total mercury				0.005	
Silver				0.5	
Boron	Discharged into tap water quality and volume protection area			1.0	
				5.0	
Sulfide				1.0	
True color	Constructed, under construction or tendering procedures completed before Dec. 25, 2017			400	
				300	
Free available residual chlorine				2.0	
Indium				0.1	
Gallium				0.1	
Molybdenum				0.6	
Total toxic organics				1.37	
N-methylpyrrolidone				1.0	
2-Methoxy-1-propano				0.1	
Dimethylacetamide				0.1	
Cobalt				1.0	

	Antimony	1.0		
	N-Methylformamide	1.0		
	Diethylene glycol dimethyl ether	1.0		
Constructed, under construction or tendering procedures completed before Jul. 31, 2009 with an approved discharge volume of less than 10,000 m <sup>3</sup> per day	Biochemical oxygen demand	Maximum	30	
		7-day average	25	
	Chemical oxygen demand	Maximum	100	
		7-day average	80	
	Suspended solids	Maximum	30	
		7-day average	25	
Tendering procedures not completed before Jul. 31, 2009; constructed, under construction or tendering procedures completed before Jul. 31, 2009 with an approved discharge volume of at least 10,000 m <sup>3</sup> per day	Biochemical oxygen demand	Maximum	25	
		7-day average	20	
	Chemical oxygen demand	Maximum	80	
		7-day average	65	
	Suspended solids	Maximum	25	
		7-day average	20	