

Table 2 Water quality items and limits of discharge from the optoelectronic materials and components manufacturing industry

Item		Limit	Remarks
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 $\leq 42^{\circ}\text{C}$; temperature difference of surface water 500m from discharge point $\leq 4^{\circ}\text{C}$	
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
			50
			<ol style="list-style-type: none"> In effect from Jan. 1, 2027. 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 January 1, 2029.
			<ol style="list-style-type: none"> In effect from Jan. 1, 2029. 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.
			25	<ol style="list-style-type: none"> In effect from Jan. 1, 2031. 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 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	Constructed, under construction or tendering procedures completed before Dec. 25, 2017		0.03	
	Constructed, under construction or tendering procedures completed before Dec. 25, 2017 with an approved discharge volume of more than 500m ³ /day		0.02	
	Tendering procedures not completed before Dec. 25, 2017		0.02	
Lead	Constructed, under construction or tendering procedures completed before Dec. 25, 2017		1.0	

	Constructed, under construction or tendering procedures completed before Dec. 25, 2017 with an approved discharge volume of more than 500m ³ /day	0.5	
	Tendering procedures not completed before Dec. 25, 2017	0.5	
Total chromium	Constructed, under construction or tendering procedures completed before Dec. 25, 2017	2.0	
	Constructed, under construction or tendering procedures completed before Dec. 25, 2017 with an approved discharge volume of more than 500m ³ /day	1.5	
	Tendering procedures not completed before Dec. 25, 2017	1.5	
Hexavalent chromium	Constructed, under construction or tendering procedures completed before Dec. 25, 2017	0.5	
	Constructed, under construction or tendering procedures completed before Dec. 25, 2017 with an approved discharge volume of more than 500m ³ /day	0.35	
	Tendering procedures not completed before Dec. 25, 2017	0.35	
Copper	Constructed, under construction or tendering procedures completed before Dec. 25, 2017 with an approved discharge volume of less than 500m ³ /day	3.0	
		2.0	In effect from Jan. 1, 2027.
	Tendering procedures not completed before Dec. 25, 2017 with an approved discharge volume of less than 500m ³ /day	1.5	
	Constructed, under construction or tendering procedures completed before Dec. 18, 2024 with an approved discharge volume of more than 500m ³ /day	1.5	
		1.0	In effect from Jan. 1, 2027.
	Tendering procedures not completed before Dec. 18, 2024 with an approved discharge volume of more than 500m ³ /day	1.0	
Zinc	Constructed, under construction or tendering procedures completed before Dec. 25, 2017	5.0	
	Constructed, under construction or tendering procedures completed before Dec. 25, 2017 with an approved discharge volume of more than 500m ³ /day	3.5	

	Tendering procedures not completed before Dec. 25, 2017	3.5	
Nickel	Constructed, under construction or tendering procedures completed before Dec. 25, 2017	1.0	
	Constructed, under construction or tendering procedures completed before Dec. 25, 2017 with an approved discharge volume of more than 500m ³ /day	0.7	
	Tendering procedures not completed before Dec. 25, 2017	0.7	
Selenium	Constructed, under construction or tendering procedures completed before Dec. 25, 2017	0.5	
	Constructed, under construction or tendering procedures completed before Dec. 25, 2017 with an approved discharge volume of more than 500m ³ /day	0.35	
	Tendering procedures not completed before Dec. 25, 2017	0.35	
Arsenic	Constructed, under construction or tendering procedures completed before Dec. 25, 2017	0.5	
	Constructed, under construction or tendering procedures completed before Dec. 25, 2017 with an approved discharge volume of more than 500m ³ /day	0.35	
	Tendering procedures not completed before Dec. 25, 2017	0.35	
Tin	Constructed, under construction or tendering procedures completed before Dec. 25, 2017 with an approved discharge volume of more than 500m ³ /day	2.0	
	Tendering procedures not completed before Dec. 25, 2017	1.0	
Total mercury		0.005	
Silver		0.5	
Boron	Discharged into tap water quality and volume protection area	1.0	
	Discharged into sites outside tap water quality and volume protection area	5.0	
Sulfide		1.0	
Biochemical oxygen demand		30	
Chemical oxygen demand		100	
Suspended solids		30	
True color	Constructed, under construction or tendering procedures completed before Dec. 25, 2017	400	
	Tendering procedure not completed before Dec. 25, 2017	300	
Free available residual chlorine		2.0	
Indium		0.1	
Gallium		0.1	

Molybdenum		0.6	
Total toxic organics		1.37	
N-methylpyrrolidone	Approved discharge volume of more than 10,000 m ³ per day except for those only engaging in polishing, cutting, testing or packaging	1.0	
2-Methoxy-1-propano		0.1	
Dimethylacetamide		0.1	
N-Methylformamide		1.0	
Diethylene glycol dimethyl ether		1.0	