

Table 5 Water quality items and limits of discharge from the primary metal industry, metal finishing industry, electroplating industry, and PCB 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 ≤ 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	Primary metal industry, metal finishing industry, electroplating industry, and PCB manufacturing industry	Discharged into tap water quality and volume protection area		10	
	Metal finishing industry, electroplating industry	Discharged into sites outside tap water quality and volume protection area	Constructed, under construction or tendering procedures completed before Dec. 25, 2017	120	In effect from Jan. 1, 2027.
				60	
				Tendering procedures not completed before Dec. 25, 2017	20
	PCB manufacturing industry	Discharged into sites outside tap water quality and volume protection area	Constructed, under construction or tendering procedures completed before Dec. 18, 2024	75	In effect from Jan. 1, 2027.
				45	In effect from Jan. 1, 2029.
			30		
Orthophosphate (calculated	Discharged into tap water quality and volume protection area			40	

based on trivalent phosphate ion)			
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	
	Electroplating industry, metal finishing industry, and primary metal industry constructed, under construction or finishing tendering procedures before Dec. 25, 2017 with an approved discharge volume of more than 150m ³ /day, or PCB manufacturing industry constructed, under construction or finishing tendering procedures 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	
	Electroplating industry, metal finishing industry, and primary metal industry constructed, under construction or finishing tendering procedures before Dec. 25, 2017 with an approved discharge volume of more than 150m ³ /day, or PCB manufacturing industry constructed, under construction or finishing tendering procedures 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	
	Electroplating industry, metal finishing industry, and primary metal industry constructed, under construction or finishing tendering procedures before Dec. 25, 2017 with an approved discharge volume of more than 150m ³ /day, or PCB manufacturing industry constructed, under construction or finishing tendering procedures 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	
	Electroplating industry, metal finishing industry, and primary metal industry constructed, under construction or finishing tendering procedures before Dec. 25, 2017 with an approved discharge volume of more than 150m ³ /day, or PCB manufacturing industry constructed, under construction or finishing tendering procedures 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	Electroplating industry, metal finishing industry, and primary metal industry constructed, under construction or finishing tendering procedures before Dec. 25, 2017 with an approved discharge volume of less than 150m ³ /day, or PCB manufacturing industry constructed, under construction or finishing tendering procedures 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 for electroplating industry, metal finishing industry, and primary metal industry not completed before Dec. 25, 2017 with an approved discharge volume of less than 150m ³ /day, or tendering procedures for PCB manufacturing industry not completed before Dec. 25, 2017 with an approved discharge volume of less than 500m ³ /day	1.5	
	Electroplating industry, metal finishing industry, and primary metal industry constructed, under construction or finishing tendering procedures before Dec. 18, 2024 with an approved discharge volume of more than 150m ³ /day, or PCB manufacturing industry constructed, under construction or finishing tendering procedures 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 for electroplating industry, metal finishing industry, and primary metal industry not completed before Dec. 18, 2024 with an approved discharge volume more than 150m ³ /day, or tendering procedures for PCB manufacturing industry 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	5.0	

	before Dec. 25, 2017		
	Electroplating industry, metal finishing industry, and primary metal industry constructed, under construction or finishing tendering procedures before Dec. 25, 2017 with an approved discharge volume of more than 150m ³ /day, or PCB manufacturing industry constructed, under construction or finishing tendering procedures 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	
	Electroplating industry, metal finishing industry, and primary metal industry constructed, under construction or finishing tendering procedures before Dec. 25, 2017 with an approved discharge volume of more than 150m ³ /day, or PCB manufacturing industry constructed, under construction or finishing tendering procedures 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	
	Electroplating industry, metal finishing industry, and primary metal industry constructed, under construction or finishing tendering procedures before Dec. 25, 2017 with an approved discharge volume of more than 150m ³ /day, or PCB manufacturing industry constructed, under construction or finishing tendering procedures 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	
	Electroplating industry, metal finishing industry, and primary metal industry constructed, under construction or finishing tendering procedures before Dec. 25, 2017 with an approved discharge volume of more than 150m ³ /day, or PCB manufacturing industry constructed, under construction or finishing tendering procedures before Dec. 25, 2017 with an	0.35	

	approved discharge volume of more than 500m³/day			
	Tendering procedures not completed before Dec. 25, 2017		0.35	
Tin	Electroplating industry, metal finishing industry, and primary metal industry constructed, under construction or finishing tendering procedures before Dec. 25, 2017 with an approved discharge volume of more than 150m³/day, or PCB manufacturing industry constructed, under construction or finishing tendering procedures before Dec. 25, 2017 with an approved discharge volume of more than 500m³/day		2.0	
	Tendering procedures not completed before Dec. 25, 2017		1.0	
Total mercury			0.005	
Silver			0.5	
Boron	Primary metal industry, PCB manufacturing industry	Discharged into tap water quality and volume protection area	1.0	
		Discharged into sites outside tap water quality and volume protection area	5.0	
	Metal finishing industry, electroplating industry	Discharged into tap water quality and volume protection area	1.0	
		Discharged into sites outside tap water quality and volume protection area	10	
			5.0	In effect from Jan. 1, 2027.
Molybdenum			0.6	
Sulfide			1.0	
Chemical oxygen demand	Primary metal industry, metal finishing industry, electroplating industry		100	
	PCB manufacturing industry		120	
Suspended solids	Primary metal industry, metal finishing industry, electroplating industry		30	
	PCB manufacturing industry		50	
Biochemical oxygen demand	PCB manufacturing industry		50	