

Table 5 Water quality items and limits of discharge from the primary metal industry, metal finishing industry, electroplating industry, PCB manufacturing industry

Item				Limit	Remarks
Water temperature	Discharge into non-marine surface water bodies			Lower than 38°C (for May to September)	
				Lower than 35°C (for October to next April)	
	Direct discharge to 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	
Nitrite 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 places outside tap water quality and volume protection area	Constructed, under construction or tendering procedures completed before Dec. 25, 2017	150	In effect from Jan. 1, 2021.
				120	In effect from Jan. 1, 2024.
				60	In effect from Jan. 1, 2027.
	Tendering procedure not completed before Dec. 25, 2017		20		
Orthophosphate (calculated based on trivalent phosphateion)	Discharged into tap water quality and volume protection area			4.0	
Phenols				1.0	
Anion surfactant				10	
Cyanide				1.0	
Grease (Hexane extracts)				10	
Dissolved iron				10	
Dissolved manganese				10	
Cadmium	Constructed, under construction or tendering procedure 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 more than 150m ³ /day, or PCB manufacturing industry with an approved discharge volume more than 500m ³ /day	0.02	In effect from Jan. 1, 2021.
	Tendering procedures not completed before Dec. 25, 2017	0.02	
Lead	Constructed, under construction or tendering procedure 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 more than 150m ³ /day, or PCB manufacturing industry with an approved discharge volume more than 500m ³ /day	0.5	In effect from Jan. 1, 2021.
	Tendering procedures not completed before Dec. 25, 2017	0.5	
Total chromium	Constructed, under construction or tendering procedure 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 more than 150m ³ /day, or PCB manufacturing industry with an approved discharge volume more than 500m ³ /day	1.5	In effect from Jan. 1, 2021.
	Tendering procedures not completed before Dec. 25, 2017	1.5	
Hexavalent chromium	Constructed, under construction or tendering procedure 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 more than 150m ³ /day, or PCB manufacturing industry with an approved discharge volume more than 500m ³ /day	0.35	In effect from Jan. 1, 2021.
	Tendering procedures not completed before Dec. 25, 2017	0.35	
Copper	Constructed, under construction or tendering procedure completed before Dec. 25, 2017	3.0	

	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 more than 150m ³ /day, or PCB manufacturing industry with an approved discharge volume more than 500m ³ /day	1.5	In effect from Jan. 1, 2021.
	Tendering procedures not completed before Dec. 25, 2017	1.5	
Zinc	Constructed, under construction or tendering procedure completed before Dec. 25, 2017	5.0	
	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 more than 150m ³ /day, or PCB manufacturing industry with an approved discharge volume more than 500m ³ /day	3.5	In effect from Jan. 1, 2021.
	Tendering procedures not completed before Dec. 25, 2017	3.5	
Nickel	Constructed, under construction or tendering procedure 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 more than 150m ³ /day, or PCB manufacturing industry with an approved discharge volume more than 500m ³ /day	0.7	In effect from Jan. 1, 2021.
	Tendering procedures not completed before Dec. 25, 2017	0.7	
Selenium	Constructed, under construction or tendering procedure 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 more than 150m ³ /day, or PCB manufacturing industry with an approved discharge volume more than 500m ³ /day	0.35	In effect from Jan. 1, 2021.
	Tendering procedures not completed before Dec. 25, 2017	0.35	
Arsenic	Constructed, under construction or tendering procedure 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 more than 150m ³ /day, or PCB manufacturing industry with an approved discharge volume more than 500m ³ /day		0.35	In effect from Jan. 1, 2021.
	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 more than 150m ³ /day, or PCB manufacturing industry with an approved discharge volume more than 500m ³ /day		2.0	In effect from Jan. 1, 2021.
	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 places 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 places outside tap water quality and volume protection area	12	
			10	In effect from Jan. 1, 2024.
			5.0	In effect from Jan. 1, 2027.
Molybdenum	Constructed, under construction or tendering procedures completed before Dec. 25, 2017	0.6	In effect from Jan. 1, 2021.	
	Tendering procedures not completed before Dec. 25, 2017	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	

Table 6 Water quality items and limits of discharge from power plants

Item		Limit		Remarks
Water temperature	Discharge into non-marine surface water bodies	Lower than 38°C (for May to September)		
		Lower than 35°C (for October to next April)		
	Direct discharge to 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		
Nitrite nitrogen		50		
Ammonia nitrogen	Discharged into tap water quality and volume protection area	10		
	Discharged into places outside tap water quality and volume protection area	Generating units constructed, under construction or finishing tendering procedures before Dec. 25, 2017	150	In effect from Jan. 1, 2021.
			100	In effect from Jan. 1, 2024.
			60	In effect from Jan. 1, 2027.
		Generating units not finishing tendering procedures before Dec. 25, 2017	20	
Orthophosphate (calculated based on trivalent phosphate ion)	Discharged into tap water quality and volume protection area	4.0		
Phenols		1.0		
Anion surfactant		10		
Grease (Hexane extracts)		10		
Dissolved iron		10		
Dissolved manganese		10		
Cadmium		0.03		
Lead		1.0		
Total chromium		2.0		
Hexavalent chromium		0.5		
Total mercury	Power plants constructed, under construction or finishing tendering procedures before Dec. 25, 2017	0.005		
	Coal-fired generating units constructed, under construction or finishing tendering procedures before Dec. 25, 2017 and producing flue gas desulfurization wastewater discharged into treatment facilities	0.002		In effect from Jan. 1, 2021.
	Coal-fired generating units not finishing tendering procedures before Dec. 25, 2017 and producing flue gas desulfurization wastewater discharged into treatment facilities	0.002		
Copper		3.0		