

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 ≤ 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	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		

Zinc		5.0	
Silver		0.5	
Nickel		1.0	
Selenium	Power plants constructed, under construction or finishing tendering procedures before Dec. 25, 2017	0.5	
	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	0.3	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	0.1	
Arsenic	Power plants constructed, under construction or finishing tendering procedures before Dec. 25, 2017	0.5	
	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	0.1	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	0.1	
Boron	Discharged into tap water quality and volume protection area	1.0	
	Discharged into places outside tap water quality and volume protection area	5.0	
Sulfide		1.0	
Biochemical oxygen demand		30	
Chemical oxygen demand		100	
Suspended solids		30	
Total residual chlorine( or chlorine-produced oxidants )		0.5	<ol style="list-style-type: none"> <li>1. Total residual chlorine is subject to an effluent salinity of less than 10 psu (Practical Salinity Unit)</li> <li>2. The chlorine-produced oxidants is subject to an effluent salinity of greater than or equal to 10 psu (Practical Salinity Unit). This should be tested using the chlorine-produced oxidants testing method, but the total residual chlorine testing method shall be used before the chlorine-produced oxidants testing method is announced.</li> </ol>