

Table 10 Water quality items and limits of discharge from dedicated sewage systems in petrochemical industrial 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 $\leq 42^{\circ}\text{C}$ ; temperature difference of surface water 500m from discharge point $\leq 4^{\circ}\text{C}$	
	Hydrogen ion concentration index		6.0–9.0	
	Nitrate nitrogen		50	
	Ammonia nitrogen	Constructed, under construction or tendering procedures completed before Dec. 1, 2011	60	
		Tendering procedures not completed before Dec. 1, 2011	20	
	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	
			1.0	In effect from Jan. 1, 2027.
		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	
		Tendering procedures not completed before Dec. 25, 2017	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	

		Discharged into sites outside tap water quality and volume protection area	5.0	
		Molybdenum	0.6	
		Sulfide	1.0	
	True color	Constructed, under construction or tendering procedures completed before Dec. 25, 2017	400	
		Tendering procedures not completed before Dec. 25, 2017	300	
		Free available residual chlorine	2.0	
		Benzene	0.05	
		Ethyl benzene	0.4	
		Methylene chloride	0.2	
		Chloroform	0.6	
		1,2-dichloroethane	0.10	
		Vinyl chloride	0.10	
		Dimethyl phthalate (DMP)	0.2	
		Diethyl phthalate (DEP)	0.4	
		Dibutyl phthalate (DBP)	0.4	
		Benzyl butyl phthalate (BBP)	0.4	
		Di-n-octyl phthalate (DNOP)	0.6	
		Bis(2-ethylhexyl) phthalate (DEHP)	0.2	
		Nitrobenzene	0.4	
		Trichloroethylene	0.3	
		Acrylonitrile	0.2	
		1,2-butadiene	0.1	
		Biochemical oxygen demand	Maximum	30
			7-day average	25
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	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	Chemical oxygen demand	Maximum	90	
		7-day average	70	
	Suspended solids	Maximum	25	
		7-day average	20	