

Table 9 Water quality items and limits of discharge from dedicated sewage systems in science parks

Scope	Item			Limit	Remarks
All	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	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	
	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 procedures completed before Dec. 25, 2017		0.03	
		Constructed, under construction or tendering procedures completed before Dec. 25, 2017		0.02	In effect from Jan. 1, 2021.
		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		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 procedures completed before Dec. 25, 2017	2.0	
		Constructed, under construction or tendering procedures completed before Dec. 25, 2017	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 procedures completed before Dec. 25, 2017	0.5	
		Constructed, under construction or tendering procedures completed before Dec. 25, 2017	0.35	In effect from Jan. 1, 2021.
		Tendering procedures not completed before Dec. 25, 2017	0.35	
	Copper	Constructed, under construction or tendering procedures completed before Dec. 25, 2017	3.0	
		Constructed, under construction or tendering procedures completed before Dec. 25, 2017	1.5	In effect from Jan. 1, 2021.
		Tendering procedures not completed before Dec. 25, 2017	1.5	
	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	3.5	In effect from Jan. 1, 2021.
		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	0.7	In effect from Jan. 1, 2021.
		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	0.35	In effect from Jan. 1, 2021.
		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	0.35	In effect from Jan. 1, 2021.

		Tendering procedures not completed before Dec. 25, 2017	0.35	
	Tin	Constructed, under construction or tendering procedures completed before Dec. 25, 2017	2.0	In effect from Jan. 1, 2021.
		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 places outside tap water quality and volume protection area	5.0	
	Sulfide		1.0	
	True color	Constructed, under construction or tendering procedures completed before Dec. 25, 2017	550	
		Tendering procedures not completed before Dec. 25, 2017	400	In effect from Jan. 1, 2021.
			300	
	Free available residual chlorine	Constructed, under construction or tendering procedures completed before Dec. 25, 2017	2.0	In effect from Jan. 1, 2021.
		Tendering procedures not completed before Dec. 25, 2017	2.0	
	Indium		0.1	
	Gallium		0.1	
	Molybdenum		0.6	
	Total toxic organics		1.37	
	N-methylpyrrolidone		1.0	In effect from Jan. 1, 2021.
	2-Methoxy-1-propano		0.1	
	Dimethylacetamide		0.1	
	Cobalt		1.0	
	Antimony		1.0	
	N-Methylformamide		1.0	
	Diethylene glycol dimethyl ether		1.0	
Constructed, under construction or tendering procedures completed before Jul. 31, 2009 with an approved discharge volume less than 10,000 m³ per day	Biochemical oxygen demand		Maximum	30
			7-day average	25
	Chemical oxygen demand		Maximum	100
			7-day average	80
Tendering procedures not completed before Jul. 31, 2009; constructed, under construction or	Suspended solids		Maximum	30
			7-day average	25
	Biochemical oxygen demand		Maximum	25
			7-day average	20
	Chemical oxygen demand		Maximum	80
			7-day average	65
	Suspended solids		Maximum	25

tendering procedures completed before Jul. 31, 2009 with an approved discharge volume at least 10,000 m ³ per day		7-day average	20	
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