

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 m <sup>3</sup> per day	Biochemical oxygen demand	Maximum	30	
		7-day average	25	
	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	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 <sup>3</sup> per day		7-day average	20	
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