

Water Quality Test Result of Artificial Lake

Location	Sampling Date	Results								
		Chemical Oxygen Demand (mg/L)	Ammonia Nitrogen (mg/L)	Total Phosphorus (mg/L)	Total Nitrogen (mg/L)	Dissolved Oxygen (mg/L)	pH	Coliform count (mpn/100mL)	E.coli count (mpn/100mL)	Fecal Coliform Count (mpn/100mL)
		1. 靜止湖水	29	0.05	0.02	29.8	7.51	8.26	5780.0	8.6
2. 湖中心	26	0.04	0.06	2.3	7.51	8.27	17260.0	5.2	11.0	
3. 死角位置	13	0.05	0.09	2.8	7.22	8.05	11190.0	14.5	17.3	
4. 親水護岸區	11	0.07	0.06	4.0	7.25	8.21	2419.6	4.1	6.2	
5. 死角位置	14	0.08	0.20	6.3	7.51	8.21	261.3	2.0	6.3	
6. 湖中心	12	0.05	0.38	3.7	6.52	8.18	235.9	2.0	7.4	
7. 死角位置	11	0.06	0.01	1.3	7.56	8.15	1413.6	88.2	86.0	
8. 排洪閘	13	0.08	0.07	2.2	7.15	8.13	24950.0	107.1	1732.9	
9. 雨水排入處	16	0.09	0.09	2.4	7.36	8.16	1413.6	1.0	15.8	
10. 雨水排入處	6	0.05	0.23	2.3	7.48	8.12	2990.0	46.4	547.5	
11. 雨水排入處	9	0.04	0.25	2.1	7.56	8.11	1870.0	5.1	14.6	
12. 雨水排入處	4	0.03	0.25	2.9	7.33	8.12	2130.0	12.2	37.9	
13. 不流通點	7	0.04	0.19	3.6	7.29	8.11	27230.0	50.4	101.2	
14. 不流通點	8	0.04	0.07	1.0	7.27	8.14	1119.9	5.2	13.4	
15. 水處理泵房	9	0.02	0.04	1.0	7.39	8.11	4200.0	7.4	5.2	
平均值	13	0.05	0.13	4.5	7.33	8.16	N/A	N/A	N/A	

Environmental quality standard for surface water

Chemical oxygen demand: $\leq 40\text{mg/L}$; Ammonia nitrogen: $\leq 2.0\text{mg/L}$; Total phosphorus: $\leq 0.4\text{mg/L}$; Total nitrogen: $\leq 2.0\text{mg/L}$; Dissolved oxygen: $\geq 2\text{mg/L}$; pH: 6-9 Coliform count and E. coli count: no quality standard; values are for reference only.

