

Ravenscourt FMU – results of river water quality monitoring

Parameters	Unit	Compliance Limits (Class IIB of NWQS)	Baseline Monitoring		1 st IECA (1 st Cycle)				2 nd IECA (1 st Cycle)				3 rd IECA (2 nd Cycle)			
					19.04.2018				30.8.2018				12.12.2019			
			RT1	RT2	RT1	RT2	RT3	RT4	RT1	RT2	RT3	RT4	RT1	RT2	RT3	RT4
Temperature*	°C	-			20.4	24.2	21.8	22.8	22.5	28.2	22.4	23.4	19	23.3	21.9	-
pH Value*		6.0 – 9.0	6.2	6.1	8.25	7.28	7.12	7.17	7.45	7.5	7.88	8.08	8.4	6.6	7.53	-
Dissolved Oxygen*	mg/l	5 – 7	6.5	6.4	7	<u>7.1</u>	<u>7.1</u>	<u>8.9</u>	4.11	4.19	4.53	4.6	5.5	5.4	5.7	-
Turbidity*	NTU	50			5.12	24.6	<u>240</u>	35.5	3.53	46.9	44.4	42.1	6.31	29.7	<u>187</u>	-
Biochemical Oxygen Demand	mg/l	3	3	3	<u>3.1</u>	3	<u>3.4</u>	<u>21.8</u>	<u>7</u>	<u>5</u>	<u>5</u>	<u>7</u>	<u>4</u>	<u>4</u>	<u>7</u>	-
Chemical Oxygen Demand	mg/l	25	16	15	<u>30</u>	<u>45</u>	<u>56</u>	<u>46</u>	<u>37</u>	24	<u>27</u>	<u>35</u>	21	23	<u>38</u>	-
Total Suspended Solid	mg/l	50	5	11	12	10	<u>98</u>	6	6	19	33	23	3	30	<u>55</u>	-
Total Coliform Count	MPN/100ml	5000	23	240	1,100	<u>>16,000</u>	<u>9,200</u>	<u>16,000</u>	1600	>1600	130	130	240	< 2	350	-
Faecal Coliform Count	MPN/100ml	400	13	79	790	<u>5,400</u>	<u>9,200</u>	<u>3,500</u>	23	240	<2	23	5	< 2	49	-
Ammoniacal-Nitrogen	mg/l	3	0.03	0.05	1	0.8	1.4	0.9	0.05	0.36	0.25	0.15	0.05	0.13	0.29	-
Nitrate Nitrogen	mg/l	7					1.32	0.32	0.1	0.6	0.5	0.5	0.5	0.2	0.6	-
Oil & Grease	mg/l	0.4	<1	<1			<1	1	<1	<1	<1	<1	<1	<1	<1	-
Phosphate ¹	mg/l	0.2														
Paraquat ²	mg/l	0.01														
Glyphosate ³	mg/l	Not gazetted														
Magnesium ⁴	mg/l	Not gazetted														
Potassium ⁵	mg/l	Not gazetted														
Other parameters ⁶																

*The water quality reports captured in Chapter 5 (Environmental Status) in the IECA Report.

* Note: The IECA was suspended for 2020 and 2021 due to Covid-19