

EXTRACT FROM ENVIRONMENTAL MONITORING REPORT FOR SAMLING'S SEGAN FOREST PLANTATION UNDER LPF/0014 BINTULU DIVISION

Latest Result of River Water Quality Analysis - Segan

Parameter	Compliance Limits ¹	Baseline		1st Half 2023							2nd Half 2023						
		WS4	WS6	SSE1	SSE2	SSE3	SSE4	SSE5	SSE6	SSE7	SSE1	SSE2	SSE3	SSE4	SSE5	SSE6	SSE7
		Upper Sg Segan	Lower Sg Segan	Lower Sg Segan	Upper Sg Ruit	Drain to Sg Silas	Sg Silas	Upper Sg Segan	Lower Sg Ruit	Lower Sg Segan	Lower Sg Segan	Upper Sg Ruit	Drain to Sg Silas	Sg Silas	Upper Sg Segan	Lower Sg Ruit	Lower Sg Segan
pH	6.0-9.0	<u>5</u>	<u>5</u>	6.1	6.2	6.3	<u>5.4</u>	6.2	6.3	<u>5.9</u>	<u>5.5</u>	<u>5.9</u>	<u>5.9</u>	<u>5.8</u>	6.4	6.3	<u>6.1</u>
DO (mg/l)	5-7	7.1	6.1	5.4	5.4	5.4	5.3	5.2	5.4	5.4	<u>4.1</u>	<u>4.8</u>	<u>4.7</u>	<u>3.8</u>	<u>4.8</u>	<u>4.8</u>	<u>4.6</u>
BOD (mg/l)	3	2.0	<2.0	<u>13</u>	<u>5</u>	<u>2</u>	<u>26</u>	<u>6</u>	<u>4</u>	<u>11</u>	<u>16</u>	<u>7</u>	<u>10</u>	<u>20</u>	<u>5</u>	<u>6</u>	<u>12</u>
COD (mg/l)	25	23.7	15.5	<u>66</u>	<u>28</u>	12	<u>131</u>	<u>33</u>	22	<u>55</u>	<u>83</u>	<u>37</u>	<u>50</u>	<u>102</u>	<u>29</u>	<u>34</u>	<u>62</u>
TSS (mg/l)	50	170	60	24	20	26	38	29	18	33	20	25	40	41	33	25	41
Amm. N (mg/l)	0.3	ND	ND	0.04	0.03	0.02	0.17	0.03	0.03	0.05	0.18	0.12	0.16	0.22	0.1	0.11	0.22
NO3-N (mg/l)	7	-	-	0.1	0.1	<0.1	0.3	0.1	0.1	0.3	0.5	0.3	0.4	0.7	0.3	0.3	0.5
Phosphorus (mg/l)	0.1	0.06	ND	0.02	0.02	0.01	0.07	0.02	0.02	0.04	0.05	0.03	0.04	0.06	0.03	0.04	0.06
TCC (MPN/100ml)	5,000	500	110	49	49	170	23	49	33	540	350	1600	170	33	22	33	13
TFC (MPN/100ml)	400	36	40	13	13	17	8	5	13	170	22	220	8	5	2	5	2

* Compliance limits are extracted from Class IIB of the National Water Quality Standards for Malaysia (NWQSM)

ND- Not Detected. Values underlined had exceeded the compliance limits.

EIA Baseline Data [WS4 Upper Sg. Segan(3°0.45'N, 113°1.16'E); WS6 Kuala Sg. Segan(3°8.08'N, 113°6.49'E)]