

Junee Shire Council

Environmental Monitoring in accordance with the Protection of the Environment Operations Act 1997 (POEO Act)

Report Date 27/04/2022 Reporting Period: 2021

Environment Protection Licence No.: 752		Sample No.	Sample Date	Analysis Results						
Treated Effluent			Oil & Grease (mg/L)	pH (pH)	Faecal Coliforms (CFU/100ml)	Total Suspended Solids (mg/L)	Biochemical Oxygen Demand (mg/L)	Chlorine Residual (mg/L)		
Licence Limit - 100 percentile concentration			10	5.5-9.5	600	30	30	-		
Point 1	2112-0061	15/12/2021	<1	9.2	119	45	10	-		
Licence Limit - 100 percentile concentration			10	6.5-8.5	10	-	-	1		
Point 13 (formerly 6)	2112-0061	15/12/2021	<1	8.7	211	139	10	1		
	2105-0034	11/05/2021	7	8.5	840	94	6	1.2		
Soil Samples			Analysis Results							
Control Point	Sample Ref	Sample Date	Available Phosphorus (mg/kg)	Exchangeable Sodium (cmol/kg)	Nitrate & Nitrite (mg/kg)	Nitrogen (Total) (mg/kg)	Phosphorus (Total) (mg/kg)	Phosphorus Sorption Capacity (kg/Ha -triannually)	Sodium Adsorption Ratio (SAR)	pH (pH)
2-100	2201-0021	18/12/2021	111	0.64	4	1840	310	-	1	6.9
2-300	2201-0021	18/12/2021	28	0.24	<1	336	152	-	1	7.1
2-CONTROL	2201-0021	18/12/2021	14.8	0.28	<1	823	184	-	<1	6.7
5-100	2201-0021	18/12/2021	28.8	1.36	4	1330	93	-	2	7.4
5-300	2201-0021	18/12/2021	11.9	1.06	<1	564	121	-	2	7.8
5-CONTROL	2201-0021	18/12/2021	65.9	1.59	<1	1430	156	-	2	7.1
6-100	2201-0021	18/12/2021	135	2.02	15	3360	309	-	2	7
6-300	2201-0021	18/12/2021	11.2	1.69	6	1080	132	-	2	7.7
6-CONTROL	2201-0021	18/12/2021	21	0.73	6	2000	245	-	1	7.4
7-100	2201-0021	18/12/2021	40.7	2.2	13	1900	218	-	2	7.2
7-300	2201-0021	18/12/2021	28	5.64	7	1230	80	-	6	7.9
7-CONTROL	2201-0021	18/12/2021	53.3	4.58	7	1560	220	-	5	7.2
Groundwater Monitoring			Analysis Results							
Control Point	Sample Ref	Date	Standing Water Level (m)	Quality Sample Ref	Date Sampled	Conductivity (µS/cm)	Nitrogen (Total) (mg/L)	Phosphorus (Total) (mg/L)	pH	
8	JSC	25/04/2021	4.0	2106-0087	24/06/2021	638	<2	0.25	7.8	
8	JSC	27/08/2021	2.7							
8	JSC	28/10/2021	2.8							
8	JSC	24/12/2021	2.4							
9	JSC	25/04/2021	0.0	2106-0087	24/06/2021	1840	24.0	0.25	7.4	
9	JSC	27/08/2021	0.0							
9	JSC	28/10/2021	0.0							
9	JSC	24/12/2021	0.0							
10	JSC	25/04/2021	1.3	2106-0087	24/06/2021	7790	<2	0.26	7.1	
10	JSC	27/08/2021	1.1							
10	JSC	28/10/2021	1.0							
10	JSC	24/12/2021	1.0							
11	JSC	25/04/2021	1.3	2106-0087	24/06/2021	5190	<2	0.36	7.1	
11	JSC	27/08/2021	1.0							
11	JSC	28/10/2021	1.0							
11	JSC	24/12/2021	0.6							
12	JSC	25/04/2021	1.3	2106-0087	24/06/2021	2170	<2	0.36	7.1	
12	JSC	27/08/2021	1.0							
12	JSC	28/10/2021	1.1							
12	JSC	24/12/2021	0.9							