

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: 2020

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	2008-0066	18/08/2020	5	7.6	<1	-	3	-		
	2009-0024	9/09/2020	6	7.2	<1	30	7	-		
	2010-0042	14/10/2020	3	8.8	80	33	10	-		
	2011-0051	12/11/2020	<1	9.1	1780	37	11	-		
Licence Limit - 100 percentile concentration			10	6.5-8.5	10	-	-	1		
Point 13 (formerly 6)	2005-0173	28/05/2020	<1	7.7	<1	40	7	0.6		
	2012-0074	16/12/2020	9	8.4	<1	76	3	<0.5		
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	2101-0035	20/12/2020	149	0.6	2	1480	375	-	1	6.9
2-300	2101-0035	20/12/2020	98	0.92	<1	1020	145	-	2	7.4
2-CONTROL	2101-0035	20/12/2020	24	0.31	2	1100	263	-	<1	7.1
5-100	2101-0035	20/12/2020	125	2.7	5	2160	330	-	3	7.3
5-300	2101-0035	20/12/2020	18	2.93	<1	1160	81	-	4	7.5
5-CONTROL	2101-0035	20/12/2020	<5	1.37	<1	1000	130	-	2	7.6
6-100	2101-0035	20/12/2020	61	2.21	10	3480	352	-	2	7.7
6-300	2101-0035	20/12/2020	20	3.04	5	2000	185	-	3	8.2
6-CONTROL	2101-0035	20/12/2020	6	0.27	4	1820	266	-	<1	7.7
7-100	2101-0035	20/12/2020	129	3.43	13	1860	380	-	4	7.9
7-300	2101-0035	20/12/2020	85	4.78	8	1610	222	-	6	8
7-CONTROL	2101-0035	20/12/2020	73	4.39	7	1320	301	-	7	7
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	30/04/2020	5.0	-	-	-	-	-	-	
8	JSC	28/08/2020	4.6	-	-	-	-	-	-	
8	JSC	29/10/2020	4.4	-	-	-	-	-	-	
8	JSC	24/12/2020	3.8	-	-	-	-	-	-	
9	JSC	30/04/2020	0.0	-	-	-	-	-	-	
9	JSC	28/08/2020	0.0	-	-	-	-	-	-	
9	JSC	29/10/2020	0.0	-	-	-	-	-	-	
9	JSC	24/12/2020	0.0	-	-	-	-	-	-	
10	JSC	30/04/2020	2.0	-	-	-	-	-	-	
10	JSC	28/08/2020	1.0	-	-	-	-	-	-	
10	JSC	29/10/2020	1.0	-	-	-	-	-	-	
10	JSC	24/12/2020	1.0	-	-	-	-	-	-	
11	JSC	30/04/2020	3.2	-	-	-	-	-	-	
11	JSC	28/08/2020	2.3	-	-	-	-	-	-	
11	JSC	29/10/2020	2.0	-	-	-	-	-	-	
11	JSC	24/12/2020	1.3	-	-	-	-	-	-	
12	JSC	30/04/2020	3.0	-	-	-	-	-	-	
12	JSC	28/08/2020	1.0	-	-	-	-	-	-	
12	JSC	29/10/2020	1.2	-	-	-	-	-	-	
12	JSC	24/12/2020	0.9	-	-	-	-	-	-	