

## Historical Effluent Quality Results

## Gilgandra Effluent Reuse Scheme

Gilgandra Shire Council  
 Gilgandra Sewage Treatment Plant  
 EPL No. 4640

Link to EPL register: <https://apps.epa.nsw.gov.au/prpoeoapp/Detail.aspx?instid=4640&id=4640&option=licence&searchrange=licence&range=POEO licence&prp=no&status=Issued>

Detection Limit	Inorganics				Nutrients				Organic Indicators	TPH
	pH (Lab)	Electrical conductivity (lab)	Total Suspended Solids	Sodium Adsorption Ratio (filtered)	Nitrogen (Total Oxidised) (as N)	Nitrogen (Total)	Kjeldahl Nitrogen Total	Phosphorus (Total)	BOD	Oil & Grease
	pH Units	µS/cm	mg/L	-	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L
	0.01	1	1	0.01	0.01	0.1	0.1	0.01	2	5

Location Code	Sample Date and Time	Samples Received	Results Published	Name of Sampler	pH	Electrical conductivity	Total Suspended Solids	SAR	Nitrogen (Total Oxidised)	Nitrogen (Total)	Kjeldahl Nitrogen	Phosphorus (Total)	BOD	Oil & Grease
EPA ID No. 1	8/03/2016 0:00	10/03/2016	16/03/2016	P. McDougall	7.91	987	9	5.73	4.37	21.9	17.5	6.52	8	14
EPA ID No. 1	23/06/2016 10:24	24/06/2016	1/07/2016	P. McDougall	7.43	676	6	*	11.5	20.9	9.4	3.54	5	<5
EPA ID No. 1	30/08/2016 10:38	31/08/2016	6/09/2016	P. McDougall	7.65	910	14	5.84	11.5	34.2	22.7	6.5	12	15
EPA ID No. 1	14/12/2016 0:00	15/12/2016	22/12/2016	P. McDougall	8.63	1,020	100	7.04	8.88	31.9	23	6.9	16	<5
EPA ID No. 1	14/03/2017 12:24	15/03/2017	22/03/2017	P. McDougall	7.92	1,010	48	9.46	13.3	30.3	17	5.17	15	6
EPA ID No. 1	6/06/2017 10:52	9/06/2017	16/06/2017	P. McDougall	7.94	1,070	27	6.77	8.93	32.9	24	5.5	20	<5
EPA ID No. 1	12/09/2017 9:30	13/09/2017	20/09/2017	P. McDougall	7.99	1,210	34	6.93	0.19	31.2	31	7.19	37	<5
EPA ID No. 1	6/12/2017 11:54	8/12/2017	15/12/2017	P. McDougall	8.09	998	18	8.56	3.07	21.9	18.8	4.22	17	8
EPA ID No. 1	22/03/2018 0:00	23/03/2018	3/04/2018	B. Foster	7.92	1,070	29	6.67	6.82	21.1	14.3	4.73	9	**
EPA ID No. 1	21/06/2018 0:00	22/06/2018	29/06/2018	B. Foster	7.86	1,060	11	7.08	14.9	35.1	20.2	4.96	11	<5
EPA ID No. 1	24/09/2018 12:30	25/09/2018	3/10/2018	B. Foster	7.87	916	20	5.43	15.2	35.2	20	5.37	11	<5
EPA ID No. 1	5/12/2018 0:00	6/12/2018	13/12/2018	B. Foster	8	1,050	12	6.68	16.6	31.6	15	5.53	11	<5
EPA ID No. 1	6/03/2019 11:20	8/03/2019	14/03/2019	B. Foster	7.94	1,010	9	6.27	17.9	30.8	12.9	5.17	7	<5
EPA ID No. 1	20/05/2019 13:30	22/05/2019	30/05/2019	B. Foster	7.9	1,070	21	6.44	11.2	26.2	15	4.77	9	7
EPA ID No. 1	22/08/2019 10:50	23/08/2019	30/08/2019	B. Foster	8.01	1,160	28	6.9	5.75	33	27.3	5.8	26	7
EPA ID No. 1	4/12/2019 11:35	5/12/2019	31/01/2020	B. Foster	8.11	1,060	18	5.62	11	25.7	14.7	6.3	18	7
EPA ID No. 1	25/02/2020	30/03/2020	14/04/2020	G. Rogers	7.87	1,130	13	7.05	9.3	27.2	17.9	5.88	9	<5
EPA ID No. 1	13/05/2020 13.52	15/05/2020	27/07/2020	G. Rogers	8.08	1,060	34	6.63	0.17	25.2	25	5.18	29	8
EPA ID No. 1	18/08/2020	21/08/2020	15/01/2021	G. Rogers	7.94	1,060	20	6.36	0.03	29.8	29.8	5.58	28	7
EPA ID No. 1	10/11/2020	12/11/2020	15/01/2021	G. Rogers	7.96	1,080	17	5.9	11.9	29.1	17.2	5.89	11	<5

\* Sodium Adsorption Ratio (SAR) was not tested for at EPA point 1 on 23/06/2016 due to the parameter not being specified to the laboratory on the chain of custody form.

\*\* An Oil and Grease sample was not obtained at EPA point 1 on 22/03/2018 as the correct preservation container was not used to collect the sample. This was reported in the 2017/18 Annual Return as a non-compliance.