

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/prpoeapp/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 (lab)	Total Suspended Solids	Sodium Adsorption Ratio (filtered)	Nitrogen (Total Oxidised) (as N)	Nitrogen (Total)	Kjeldahl Nitrogen Total	Phosphorus (Total)	BOD	Oil & Grease
EPA ID No. 1	27/06/2012 15:00	28/06/2012	5/07/2012	J. Reynolds	7.96	1,040	23	6.86	14.2	37.9	23.7	6.85	18	<5
EPA ID No. 1	18/09/2012 15:00	19/09/2012	26/09/2012	J. Reynolds	7.86		10		15.7	34	18.3	7.17	12	<5
EPA ID No. 1	11/12/2012 7:20	12/12/2012	20/12/2012	J. Reynolds	7.96		28		18.6	34	15.4	6.87	12	<5
EPA ID No. 1	27/03/2013 15:00	28/03/2013	8/04/2013	G. Metcalfe	7.93	1,020	5		14	36.2	22.2	7.16	15	<5
EPA ID No. 1	25/06/2013 15:00	26/06/2013	3/07/2013	A. Currall	7.92		23	6.8	13.7	39.8	26.1	6.35	14	<5
EPA ID No. 1	5/09/2013 11:05	6/09/2013	12/09/2013	A. Currall	8.01		32	6.84	14.1	37.7	23.6	7.27	9	<5
EPA ID No. 1	11/12/2013 14:10	12/12/2013	19/12/2013	G. Metcalfe	8.04		24	5.47	17.8	28.6	10.8	4.99	7	<5
EPA ID No. 1	25/03/2014 9:50	26/03/2014	4/04/2013	A. Currall	8.06	875	32	6.23	12.2	27.2	15	6.6	15	<5
EPA ID No. 1	19/06/2014 15:00	20/06/2014	27/06/2014	P. McDougall	7.75	1,040	21	6.57	12.8	61.6	48.8	15.2	9	<5
EPA ID No. 1	22/09/2014 15:00	24/09/2014	1/10/2014	P. McDougall	7.79	998	11	4.94	14.8	32.2	17.4	6.2	13	<5
EPA ID No. 1	18/12/2014 15:00	22/12/2014	5/01/2015	A. Currall	7.86	862	31	6.19	11.4	23.3	11.9	4.85	7	<5
EPA ID No. 1	17/04/2015 0:00	20/04/2015	29/04/2015	P. McDougall	7.78	1,060	<5	7.02	8.47	25.3	16.8	6.52	7	8
EPA ID No. 1	1/06/2015 0:00	4/06/2015	12/06/2015	P. McDougall	7.91	968	5	5.87	13.8	25.5	11.7	4.35	<2	<5
EPA ID No. 1	2/09/2015 0:00	4/09/2015	14/09/2015	P. McDougall	8.03	1,020	14	5.5	11.4	31.6	20.2	6.25	10	<5
EPA ID No. 1	16/12/2015 0:00	17/12/2015	29/12/2015	P. McDougall	8.09	1,080	45	6.39	3.63	21	17.4	6.84	13	<5
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	20/09/2017	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	29/06/2018	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 0:00	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 1:52	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 0:00	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 0:00	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
EPA ID No. 1	2/02/2021 16:30	5/02/2021	12/02/2021	G. Rogers	7.74	857	15	5.3	9.69	19.5	9.8	3.89	11	<5
EPA ID No. 1	27/05/2021 0:00	28/05/2021	4/06/2021	G. Rogers	7.56	1,480	338	4.63	0.06	77.8	77.7	28.1	33	<5
EPA ID No. 1	11/10/2021 0:00	12/10/2021	6/12/2021	B. Foster	7.9	1,010	14	6.21	11.3	28.5	17.2	5.9	216	<5
EPA ID No. 1	9/12/2021 16:00	14/12/2021	22/12/2021	G. Rogers	8	927	12	5.12	11.7	29.8	18.1	5.42	25	5
EPA ID No. 1	22/02/2022 0:00	23/02/2022	7/03/2022	G. Rogers	7.73	926	42	6.42	9.08	23.7	14.6	5.3	6	<5
EPA ID No. 1	25/05/2022 0:00	26/05/2022	10/06/2022	G. Rogers	7.99	1,020	34	4.93	0.25	35.2	35	5.69	30	<5
EPA ID No. 1	26/10/2022 12:59	1/11/2022	8/11/2022	G. Rogers	7.83	825	8	5.1	8.86	22.1	13.2	3.98	9	<5
EPA ID No. 1	7/12/2022 14:48	8/12/2022	15/12/2022	G. Rogers	8.06	945	34	6.37	14.6	39.2	24.6	5.14	21	6
EPA ID No. 1	7/03/2023 14:45	8/03/2023	15/03/2023	G. Rogers	***	998	14	6.13	7.65	24.4	16.8	5.38	7	<5
EPA ID No. 1	25/05/2023 14:13	29/05/2023	4/07/2023	G. Rogers	6.98	1,030	18	6.82	12.1	35	22.9	6.03	13	5
EPA ID No. 1	8/08/2023 0:00	9/08/2023	16/08/2023	G. Rogers	7.91	1,070	26	6.88	10.5	31.1	20.6	5.38	12	6
EPA ID No. 1	6/12/2023 0:00	7/12/2023	14/12/2023	G. Rogers	7.93	1,140	26	5.77	0.2	26.1	25.9	6.07	27	12
EPA ID No. 1	27/03/2024 9:00	28/03/2024	5/04/2024	S.Meghna	8.03	966	28	5.53	7.11	24.5	17.4	4.83	28	<5
EPA ID No. 1	21/06/2024	21/06/2024	4/07/2024	S.Meghna	7.83	944	18	5.49	5.34	33.2	27.9	5.66	27	<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.

*** A pH was not obtained at EPA point 1 on the 07/03/2022 as the sample arrived at the laboratory outside of the holding time for pH.