

Historical Effluent Quality Results

Narromine Effluent Reuse Scheme

Detection Limit	Inorganics				Nutrients				Organic Indicators	TPH
	pH (Lab)	Electrical conductivity (lab)	Total Suspended Solids	Sodium Adsorption Ratio (filtered)	Nitrogen (Total Condensed) (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 (Lab)	Electrical conductivity (lab)	Total Suspended Solids	Sodium Adsorption Ratio (filtered)	Nitrogen (Total Condensed) (as N)	Nitrogen (Total)	Kjeldahl Nitrogen Total	Phosphorus (Total)	BOD	Oil & Grease
EPA Point 5	22/01/2016 15:00	22/01/2016	29/01/2016	Ben Morrison	9.99	1,300	82	6.83	0.03	9.6	9.6	1.96	< 2	< 5
EPA Point 5	29/02/2016 15:00	1/03/2016	7/03/2016	Ben Morrison	9.7	1,410	62	7.39	0.05	9.2	9.1	1.46	7	30
EPA Point 5	18/04/2016 12:30	21/04/2016	28/04/2016	James Walsh	8.57	1,420	64	7.41	0.52	13.2	12.7	4.08	40	< 5
EPA Point 5	24/05/2016 10:45	26/05/2016	2/06/2020	Anthony Everett	8.52	1,300	44	5.63	1.43	8.9	7.5	4.55	30	< 5
EPA Point 5	28/07/2016 15:00	27/07/2016	3/08/2016	Paul McDougall	8.01	1,020	81	4.66	3.35	13	9.6	4.87	27	6
EPA Point 5	30/08/2016 12:00	31/08/2016	5/09/2016	Anthony Everett	7.88	1,120	26	4.72	0.3	12.9	12.6	5.87	6	< 5
EPA Point 5	6/10/2016 9:00	7/10/2016	13/10/2016	Ben Morrison	7.83	1,020	36	4.53	9.02	16.7	7.7	4.89	27	12
EPA Point 5	21/11/2016 9:45	24/11/2016	1/12/2016	Ben Morrison	7.79	1,070	118	5.48	0.06	14.5	14.4	5.78	9	< 5
EPA Point 5	15/12/2016 15:00	16/12/2016	29/12/2016	Paul McDougall	8.69	1,220	*	5.83	0.14	1.3	1.2	0.05	25	< 5
EPA Point 5	2/02/2017 15:00	3/02/2017	10/02/2017	Ben Morrison	8.68	1,440	145	5.7	< 0.01	17.2	17.2	2.74	29	< 5
EPA Point 5	13/03/2017 15:00	14/03/2017	21/03/2017	Ben Morrison	8.25	1,660	127	9	0.05	12.6	12.6	3.4	84	< 5
EPA Point 5	27/04/2017 16:36	28/04/2017	5/05/2017	Ben Morrison	8.17	1,490	68	6.01	1.32	10.1	8.8	4.43	29	< 5
EPA Point 5	8/06/2017 10:50	9/06/2017	4/07/2017	Paul McDougall	8.92	1,360	75	5.43	1.39	9.3	7.9	3.63	26	< 5
EPA Point 5	27/07/2017 15:00	28/07/2017	4/08/2017	James Walsh	7.99	1,300	82	5.3	4.37	17	12.6	5.16	47	< 5
EPA Point 5	8/11/2017 12:00	9/11/2017	16/11/2017	Geoff Metcalfe	7.64	1,310	30	5.96	1.13	9.5	8.4	4.19	7	< 5
EPA Point 5	20/12/2017 15:00	21/12/2017	4/01/2018	Paul McDougall	8.87	1,310	124	6.04	< 0.01	10.4	10.4	5.08	43	< 5
EPA Point 5	12/03/2018 12:00	13/03/2018	20/03/2018	Duane Donnelly	9.16	1,680	100	6.81	0.02	8.5	8.5	2.57	20	< 5
EPA Point 5	11/04/2018 14:17	12/04/2018	19/04/2018	Geoff Metcalfe	8.68	1,850	93	7.4	0.06	13.1	13	3.55	44	< 5
EPA Point 5	24/04/2018 15:00	24/04/2018	2/05/2018	Duane Donnelly	8.65	1,860	116	6.56	0.86	18.7	17.8	5.53	50	5
EPA Point 5	4/06/2018 12:00	5/06/2018	12/06/2018	Anthony Everett	8.64	1,720	102	6.45	1.83	11.5	9.7	4.79	62	9
EPA Point 5	16/07/2018 11:35	17/07/2018	23/07/2018	Anthony Everett	8.83	1,480	76	5.34	3.18	16.4	13.2	5.8	58	< 5
EPA Point 5	27/08/2018 11:00	28/08/2018	3/09/2018	Anthony Everett	8.96	1,340	135	5.11	5.2	23.6	18.4	4.4	42	< 5
EPA Point 5	8/10/2018 11:00	9/10/2018	15/10/2018	Anthony Everett	8.63	1,430	82	4.99	2.64	14.5	11.9	6.5	32	< 5
EPA Point 5	19/11/2018 15:00	20/11/2018	27/11/2018	Anthony Everett	8.68	1,480	105	5.53	0.6	7.8	7.2	4.34	45	< 5
EPA Point 5	11/02/2019 15:00	12/02/2019	19/02/2019	Anthony Everett	8.42	1,680	90	5.72	< 0.01	10.4	10.4	4.36	59	< 5
EPA Point 5	21/05/2019 6:40	22/05/2019	30/05/2019	Bill Foster	8.01	1,630	84	5.5	3.31	13.1	9.8	5.84	46	< 5
EPA Point 5	21/08/2019 17:30	23/08/2019	29/08/2019	Bill Foster	7.72	1,510	57	5.76	2.59	17.8	15.2	5.64	209	< 5
EPA Point 5	3/12/2019 15:15	5/12/2019	13/12/2019	Bill Foster	8.08	1,610	69	6.73	0.12	6.8	6.7	3.15	45	< 5
EPA Point 5	25/02/2020 9:15	28/02/2020	6/03/2020	Bill Foster	7.01	2,020	120	7.25	0.74	11.7	11	3.34	43	< 5
EPA Point 5	12/05/2020 10:25	14/05/2020	25/05/2020	Grace Rogers	8.54	1,130	88	4.87	0.77	10.9	10.1	4.71	20	5
EPA Point 5	9/06/2020 0:00	10/06/2020	17/06/2020	Kyle Whalan	8.42	1,170	88	3.7	0.37	11.1	10.7	6.17	26	< 5
EPA Point 5	18/08/2020 0:00	21/08/2020	28/08/2020	Grace Rogers	7.92	930	72	4.29	5.33	14.4	9.1	4.32	40	5
EPA Point 5	10/11/2020 10:10	20/11/2020	27/11/2020	Grace Rogers	8.4	1,190	114	4.69	0.11	15.6	15.5	5.88	35	13
EPA Point 5	2/02/2021 10:27	5/02/2021	12/02/2021	Grace Rogers	8.15	1,360	163	5.7	0.56	15.3	14.7	3.39	56	< 5
EPA Point 5	26/05/2021 0:00	26/05/2021	5/06/2021	Grace Rogers	8.46	1,160	103	4.77	2.77	12.4	9.6	4.22	27	< 5
EPA Point 5	30/08/2021 0:00	31/08/2021	8/09/2021	Anthony Everett	7.67	1,080	22	4.54	2.83	16.6	13.8	5.5	17	< 5
EPA Point 5	9/12/2021 15:00	14/12/2021	22/12/2021	Grace Rogers	8.26	1,070	63	4.75	0.16	7	6.8	3.65	13	7
EPA Point 5	21/02/2022 0:00	23/02/2022	7/03/2022	Grace Rogers	8.24	1,250	143	5.46	0.09	19.9	19.8	5.46	21	< 5
EPA Point 5	24/05/2022 0:00	25/05/2022	7/06/2022	Grace Rogers	7.99	1,020	34	4.93	0.25	35.2	35	5.69	30	< 5
EPA Point 5	25/10/2022 18:50	27/10/2022	3/11/2022	Grace Rogers	7.77	1,150	555	4.25	0.39	8.4	8	4.47	80	< 5
EPA Point 5	6/12/2022 16:31	8/12/2022	15/12/2022	Grace Rogers	10.1	1,020	74	5.02	0.09	4.5	4.4	1.34	3	< 5
EPA Point 5	6/03/2023 0:00	8/03/2023	16/03/2023	Grace Rogers	9.31	1,390	96	5.46	< 0.01	9.8	9.8	2.22	11	< 5
EPA Point 5	23/05/2023 0:00	24/05/2023	1/06/2023	Grace Rogers	8.93	1,280	108	5.44	1.11	16.5	15.4	4.11	28	< 5
EPA Point 5	7/08/2023 0:00	9/08/2023	15/08/2023	Grace Rogers	8.89	1,330	82	6.38	1.20	10.6	9.4	2.72	20	< 5
EPA Point 5	5/12/2023 0:00	6/12/2023	14/12/2023	Grace Rogers	9.45	1,520	100	7.60	< 0.01	13.0	13.0	2.94	16	< 5
EPA Point 5	26/03/2024 12:00	27/03/2024	5/04/2024	Sai Meghna	9.03	1,520	114	6.60	0.1	14.8	14.7	4.53	27	< 5
EPA Point 5	18/06/2024 9:00	19/06/2024	26/06/2024	Sai Meghna	7.98	1,100	60	4.54	1.47	1.5	< 1.0	4.44	32	< 5
EPA Point 5	24/09/2024 9:00	25/09/2024	30/09/2024	Sai Meghna	8.75	1,440	52	6.74	0.87	9.6	8.7	3.41	11	< 5
EPA Point 5	10/12/2024 9:00	13/12/2024	20/12/2024	Sai Meghna	9.61	1,280	99	6.02	0.01	22.7	22.7	2.5	19	12

* A Total Suspended Solids sample (TSS) was not obtained at EPA point 5 on 15/12/2016 due to the parameter not being specified to the laboratory on the chain of custody form.

At the time of sampling, TSS was required to be monitored six times per reporting period as per EPL 11715 (Licence version date 16/06/2014), a total of eight TSS samples were collected during the 2015-2016 period. This was displayed in the 2016 Annual Return and was not a non-compliance.