

EPA License Effluent Quality Data				Rays Valley Stone Council														
Licensee Name				No. 4, Dingle Pines, Rays														
License Address				Tulley, Dingle Pines, Rays														
Site Name				Rays Pines Stone, Tulley														
EPA License Number (EPL)				001														
Date to License or EPA Website				01/01/2010														
Sample Event				Monthly composite, Grab sample for fecal coliform testing.														
Date Sampled	Date Observed	Date Published	EPL 505-50 Line	EPL 505-50 Line	pH		Temp		DO		Total Nitrogen		Ammonia (as N)		Total Phosphorus (as P)		Fecal Coliform	
					min	max	min	max	min	max	min	max	min	max	min	max	min	max
8-Apr-12	18-Apr-12	18-Apr-12	730	3	<D	<D	<D	<D	<D	<D	1.10	<D1	0.28	<D	<D	<D	<D	<D
2-May-12	8-May-12	18-Jul-12	730	2	<D	<D	<D	<D	<D	<D	1.00	<D1	0.24	1	<D	<D	<D	<D
8-May-12	18-May-12	18-Jul-12	730	4	<D	<D	<D	<D	<D	<D	1.00	<D1	0.20	1	<D	<D	<D	<D
8-May-12	18-May-12	18-Jul-12	730	2	<D	<D	<D	<D	<D	<D	1.00	<D1	0.20	1	<D	<D	<D	<D
1-Aug-12	10-Aug-12	10-Aug-12	730	3	<D	<D	<D	<D	<D	<D	1.00	<D1	0.26	1	<D	<D	<D	<D
8-Aug-12	10-Aug-12	10-Aug-12	730	4	<D	<D	<D	<D	<D	<D	1.00	<D1	0.26	1	<D	<D	<D	<D
8-Oct-12	10-Oct-12	10-Oct-12	730	2	<D	<D	<D	<D	<D	<D	1.50	0.3	0.26	1	<D	<D	<D	<D
7-Nov-12	18-Nov-12	18-Nov-12	730	4	<D	<D	<D	<D	<D	<D	1.00	0.3	0.3	1	<D	<D	<D	<D
5-Dec-12	12-Dec-12	16-Dec-12	735	4	<D	<D	<D	<D	<D	<D	0.97	<D1	0.17	1	<D	<D	<D	<D
2-Jan-13	8-Jan-13	16-Jan-13	746	4	<D	<D	<D	<D	<D	<D	0.98	0.3	0.3	1	<D	<D	<D	<D
4-Feb-13	12-Feb-13	15-Feb-13	746	3	<D	<D	<D	<D	<D	<D	1.00	<D1	0.18	1	<D	<D	<D	<D
6-Feb-13	14-Feb-13	16-Feb-13	754	3	<D	<D	<D	<D	<D	<D	0.96	<D1	0.3	1	<D	<D	<D	<D
3-Apr-13	10-Apr-13	12-Apr-13	753	3	<D	<D	<D	<D	<D	<D	1.00	<D1	1.6	2	<D	<D	<D	<D
1-May-13	7-May-13	10-May-13	759	3	<D	<D	<D	<D	<D	<D	0.96	<D1	0.25	1	<D	<D	<D	<D
5-Jun-13	13-Jun-13	19-Jun-13	760	0	<D	<D	<D	<D	<D	<D	1.30	<D1	0.22	1	<D	<D	<D	<D
3-Jul-13	11-Jul-13	15-Jul-13	771	3	<D	<D	<D	<D	<D	<D	1.40	<D1	0.27	1	<D	<D	<D	<D
7-Aug-13	15-Aug-13	16-Aug-13	760	3	<D	<D	<D	<D	<D	<D	1.30	<D1	0.15	1	<D	<D	<D	<D
6-Sep-13	13-Sep-13	16-Sep-13	734	4	<D	<D	<D	<D	<D	<D	1.20	0.5	0.17	1	<D	<D	<D	<D
2-Oct-13	11-Oct-13	15-Oct-13	767	0	<D	<D	<D	<D	<D	<D	0.82	<D1	0.08	1	<D	<D	<D	<D
6-Nov-13	12-Nov-13	16-Nov-13	754	2	<D	<D	<D	<D	<D	<D	1.20	<D1	0.23	1	<D	<D	<D	<D
5-Dec-13	12-Dec-13	16-Dec-13	736	<D	<D	<D	<D	<D	<D	<D	0.80	<D1	0.24	1	<D	<D	<D	<D
2-Jan-14	10-Jan-14	15-Jan-14	736	<D	<D	<D	<D	<D	<D	<D	2.28	1.4	0.13	2	<D	<D	<D	<D
5-Feb-14	12-Feb-14	20-Feb-14	763	2	<D	<D	<D	<D	<D	<D	1.05	<D1	0.16	1	<D	<D	<D	<D
16-Mar-14	23-Mar-14	26-Mar-14	743	3	<D	<D	<D	<D	<D	<D	1.13	<D1	0.47	1	<D	<D	<D	<D
2-Apr-14	10-Apr-14	16-Apr-14	759	3	<D	<D	<D	<D	<D	<D	1.13	<D1	0.24	1	<D	<D	<D	<D
2-May-14	10-May-14	21-May-14	744	2	<D	<D	<D	<D	<D	<D	0.79	<D1	0.09	1	<D	<D	<D	<D
6-Jun-14	14-Jun-14	20-Jun-14	739	<D	<D	<D	<D	<D	<D	<D	2.00	0.7	0.06	1	<D	<D	<D	<D
2-Jul-14	10-Jul-14	16-Jul-14	748	0	<D	<D	<D	<D	<D	<D	1.13	<D1	0.11	1	<D	<D	<D	<D
6-Aug-14	14-Aug-14	20-Aug-14	746	0	<D	<D	<D	<D	<D	<D	1.22	<D1	0.11	1	<D	<D	<D	<D
3-Sep-14	10-Sep-14	16-Sep-14	738	0	<D	<D	<D	<D	<D	<D	1.05	<D1	0.18	2	<D	<D	<D	<D
7-Oct-14	15-Oct-14	21-Oct-14	739	<D	<D	<D	<D	<D	<D	<D	1.03	0.3	0.06	1	<D	<D	<D	<D
6-Nov-14	13-Nov-14	17-Nov-14	746	4	<D	<D	<D	<D	<D	<D	1.29	<D1	0.28	1	<D	<D	<D	<D
3-Dec-14	11-Dec-14	16-Dec-14	740	0	<D	<D	<D	<D	<D	<D	0.89	<D1	0.13	1	<D	<D	<D	<D
7-Jan-15	14-Jan-15	20-Jan-15	780	2	10	<D	<D	<D	<D	<D	1.18	1.4	0.18	1	<D	<D	<D	<D
6-Feb-15	13-Feb-15	19-Feb-15	730	0	<D	<D	<D	<D	<D	<D	1.00	0.2	0.13	1	<D	<D	<D	<D
4-Mar-15	12-Mar-15	18-Mar-15	780	3	<D	<D	<D	<D	<D	<D	0.93	<D1	0.47	1	<D	<D	<D	<D
1-Apr-15	9-Apr-15	15-Apr-15	754	0	<D	<D	<D	<D	<D	<D	0.78	0.2	0.13	1	<D	<D	<D	<D
6-May-15	13-May-15	20-May-15	734	2	<D	<D	<D	<D	<D	<D	0.90	<D1	0.19	1	<D	<D	<D	<D
3-Jun-15	11-Jun-15	17-Jun-15	761	3	<D	<D	<D	<D	<D	<D	1.00	<D1	0.17	1	<D	<D	<D	<D
1-Jul-15	9-Jul-15	15-Jul-15	743	3	<D	<D	<D	<D	<D	<D	0.46	0.1	0.14	200	<D	<D	<D	<D
8-Aug-15	15-Aug-15	22-Aug-15	749	0	<D	<D	<D	<D	<D	<D	0.62	<D1	0.12	1	<D	<D	<D	<D
2-Sep-15	11-Sep-15	17-Sep-15	756	<D	<D	<D	<D	<D	<D	<D	2.16	<D1	0.13	1	<D	<D	<D	<D
7-Oct-15	14-Oct-15	20-Oct-15	733	0	<D	<D	<D	<D	<D	<D	0.31	<D1	0.13	1	<D	<D	<D	<D
4-Nov-15	12-Nov-15	20-Nov-15	734	2	<D	<D	<D	<D	<D	<D	0.88	<D1	0.22	1	<D	<D	<D	<D
2-Dec-15	10-Dec-15	17-Dec-15	739	<D	<D	<D	<D	<D	<D	<D	1.09	<D1	0.14	1	<D	<D	<D	<D
9-Jan-16	17-Jan-16	24-Jan-16	826	0	<D	<D	<D	<D	<D	<D	0.29	1.2	0.24	8	<D	<D	<D	<D
3-Feb-16	11-Feb-16	18-Feb-16	739	0	<D	<D	<D	<D	<D	<D	0.92	<D1	0.14	1	<D	<D	<D	<D
9-Mar-16	17-Mar-16	24-Mar-16	804	<D	<D	<D	<D	<D	<D	<D	0.75	<D1	0.16	1	<D	<D	<D	<D
6-Apr-16	14-Apr-16	21-Apr-16	732	3	<D	<D	<D	<D	<D	<D	0.91	<D1	0.17	1	<D	<D	<D	<D
4-May-16	12-May-16	20-May-16	783	6	2	<D	<D	<D	<D	<D	1.28	<D1	0.47	<D	<D	<D	<D	<D
3-Jun-16	11-Jun-16	20-Jun-16	733	7	<D	<D	<D	<D	<D	<D	0.87	<D1	0.14	1	<D	<D	<D	<D
6-Jul-16	14-Jul-16	21-Jul-16	746	2	<D	<D	<D	<D	<D	<D	0.78	<D1	0.17	1	<D	<D	<D	<D
3-Aug-16	11-Aug-16	18-Aug-16	741	0	<D	<D	<D	<D	<D	<D	1.13	<D1	0.11	1	<D	<D	<D	<D
7-Sep-16	15-Sep-16	22-Sep-16	735	0	<D	<D	<D	<D	<D	<D	1.22	<D1	0.11	1	<D	<D	<D	<D
5-Oct-16	13-Oct-16	20-Oct-16	738	2	<D	<D	<D	<D	<D	<D	1.10	<D1	0.15	1	<D	<D	<D	<D
2-Nov-16	10-Nov-16	17-Nov-16	739	0	<D	<D	<D	<D	<D	<D	1.03	<D1	0.15	1	<D	<D	<D	<D
7-Dec-16	15-Dec-16	21-Dec-16	734	0	<D	<D	<D	<D	<D	<D	0.87	<D1	0.14	1	<D	<D	<D	<D
4-Jan-17	12-Jan-17	19-Jan-17	740	0	<D	<D	<D	<D	<D	<D	0.86	<D1	0.17	1	<D	<D	<D	<D
1-Feb-17	9-Feb-17	16-Feb-17	687	0	<D	<D	<D	<D	<D	<D	1.45	<D1	0.08	1	<D	<D	<D	<D
1-Mar-17	9-Mar-17	16-Mar-17	747	0	<D	<D	<D	<D	<D	<D	0.89	<D1	0.11	1	<D	<D	<D	<D
5-Apr-17	13-Apr-17	20-Apr-17	753	0	<D	<D	<D	<D	<D	<D	1.09	<D1	0.11	1	<D	<D	<D	<D
3-May-17	11-May-17	18-May-17	756	2	<D	<D	<D	<D	<D	<D	0.25	0.3	0.19	1	<D	<D	<D	<D
7-Jun-17	15-Jun-17	22-Jun-17	743	3	<D	<D	<D	<D	<D	<D	0.15	<D1	0.21	1	<D	<D	<D	<D
5-Jul-17	13-Jul-17	20-Jul-17	756	3	<D	<D	<D	<D	<D	<D	0.29	<D1	0.13	1	<D	<D	<D	<D
2-Aug-17	10-Aug-17	17-Aug-17	763	0	<D	<D	<D	<D	<D	<D	1.14	<D1	0.10	1	<D	<D	<D	<D
6-Sep-17	14-Sep-17	21-Sep-17	740	<D	<D	<D	<D	<D	<D	<D	1.06	<D1	0.12	1	<D	<D	<D	<D
4-Oct-17	12-Oct-17	20-Oct-17	74	3	<D	<D	<D	<D	<D	<D	1.27	<D1	0.12	1	<D	<D	<D	<D
1-Nov-17	9-Nov-17	16-Nov-17	74	0	<D	<D	<D	<D	<D	<D	0.74	0.1	0.15	1	<D	<D	<D	<D
8-Dec-17	16-Dec-17	23-Dec-17	74	4	<D	<D	<D	<D	<D	<D	1.30	<D1	0.18	1	<D	<D	<D	<D
3-Jan-18	11-Jan-18	18-Jan-18	74	4	<D	<D	<D	<D	<D	<D	0.72	0.2	0.14	1	<D	<D	<D	<D
7-Feb-18	15-Feb-18	22-Feb-18	74	3	<D	<D	<D	<D	<D	<D	1.43	<D1	0.22	16	<D	<D	<D	<D
7-Mar-18	15-Mar-18	22-Mar-18	74	3	<D	<D	<D	<D	<D	<D	1.49	<D1	0.24	14	<D	<D	<D	

Site Map

Licensee Name

Bega Valley Shire Council

Site Name

Tathra Sewage Treatment Plant

EPA EPL Number

347



Tathra STP #1
Tathra Sewage Treatment Plant
Dated 1st April 2009
Signed, Water & Sewerage Service Manager
Bega Valley Shire Council

Licence Limit Exceedances Log

Licensee Name Bega Valley Shire Council
Site Name Tathra Sewage Treatment Plant
EPA EPL Number 347
Sample Point Point 2

Licence Parameter	Date Sampled	Result	Licence Limit	Reason for Limit Exceedance
				<i>Licence data compliant as tabled.</i>
Total Nitrogen	3/01/2018	17.2 mg/L	15 mg/L	A record number of tourist were recorded in Tathra during the holiday period. The flow to the plant increased by 60% during December and the STP operated at full capacity at all times. Maximum aeration was applied to process incoming high Ammonia concentration. During peak holiday periods, the plant is configured to provide maximum aeration, the plant didn't de-nitrify and consequently lead to higher Total Nitrogen levels.
Total Nitrogen	1/05/2019	19.1 mg/L	15 mg/L	During the Easter and Anzac holiday periods, maximum aeration was applied in order to process incoming high Ammonia concentration as the plant is configured to provide maximum aeration. As a result of this configuration the plant couldn't de-nitrify effectively and consequently led to elevated Nitrate and Nitrite (NOX) and Total N concentrations of 19.1mg/l. The Ammonia concentration was <0.1mg/l . Returned to compliant Total N values in the following week.
Feecal Coliorms	5/05/2021	2900 CFU/mL	1000 CFU/mL	Tathra STP was in HIGH FLOW mode as the STP recorded over 160mm of rain in two days. At high flows the Sodium Hypochlorite dosing system becomes ineffective and impossible to ensure proper Chlorine dosage and disinfection contact time.
Total Nitrogen	5/01/2022	15.1 mg/L	15 mg/L	The Far South Coast experienced intense rainfall which led to ingress and infiltration of retic
Feecal Coliorms	2/03/2022	3300 CFU/mL	1000 CFU/mL	The STP experienced high rainfall on Monday before the sample was taken. Sodium Hypochlorite dosing was running at full capacity to maximise disinfection during the high flow event .
Faecal Coliforms	4/10/2023	1700	1000	Chlorine dosing system had an air leak with residual Chlorine concentration relatively low. The operator noted that the free chlorine residual level was not satisfactory and increased Sodium Hypochlorite dosing significantly over a period but the free chlorine level remained relatively low. After further investigation it was found that there was an air leak
Total Phosphorous	6/12/2023	2mg/l	2.69mg/1	Alphos storage tank was diluted with water (valve failing) and led to incorrect dosing levels

Data Corrections Log

Licensee Name Bega Valley Shire Council
Site Name Tathra Sewage Treatment Plant
EPA EPL Number 347
Sample Point Point 2

Licence Parameter	Date Sampled	Original Data	Corrected Data	Date Corrected	Date Originally Published	Reason for Correction
						<i>Data as originally published.</i>