E	PA Licence E	ffluent Qua	ity Data								
Lis	censee Name censee Addres	13		Beca Valley Shire Co No 4 Zincel Place B	uncil ras						
51	to Name to I cretion PA I iranee No nk to I iranee			Tathra Rawana Tradi Andu Poola Drive To	ment Plant						
110	A I irence No	mbar (FDI) of FDA Websi		NAT	u subrenarara)		/select 'Licences'	option enter Licer	ce Number, sel	ect Search)	
Sa	imple Point			Sampling point on pipe disc (DOCERTROZE)	thanging from chilorine con	tact tank to Re	claimed Warw Sturage Po	ond labelled as "Point"	rce Number. sel	10Va 27P 81", dated 1 Ap	wil 2000 .
n.	nesinad Ramed	inn Francisco		Monthly composite a	amela Grah samela	for fearal r	oliform testino				
			Units	oH Units 6 5-8 5	Suso Solids molt	BOD	Tot Oli& Grease molt.	Total Nitropen	Ammonia (asN	Tot Phosp (asP)	Faecal Colfo cha/100mL
			Units EPL 100% lie Limit EPL 90% lie Limit	6 5-8 5	20 15	15	10	15 10	5 2	2 1	1000 100
	ista Samalad	Date Obtains	d Date Published								
	4-Apr-12 2-May-12	18-Apr-12 8-May-12	19-lul-12 19-lul-12	7.70 7.90 7.50 7.74 7.80 7.50 7.30 7.52	3 2 4 2 3	0 0 0 0	ब ब ब ब ब ब ब ब	1.10 5.60	-0.1 -0.1 -1.2 -0.1 -0.1 -0.1 -0.3 -0.1	0.28 0.34 0.39 0.20 0.16 0.16 0.26 0.3 0.17 0.5 0.18	4 1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
	6-Jun-12 4-Jul-12	14-Jun-12 12-34-12	19-Jul-12 19-Jul-12	7.50	4 2	-2	<1	5.10	1.2	0.39	- 4
	1-Aug-12	10-Aug-12	16-Aug-12	7.80	3	-2	a	1.60	40.1	0.16	a
	3-0ct-12	15-Oct-12	15-0ep-12 16-Oct-12	7.10	2	-2	4	1.50	0.3	0.16	4
	7-Nov-12 5-Dec-12	14-Nov-12 12-Dec-12	16-Nov-12 14-Dec-12	7.52 7.55	4	-2	4	5.60 5.10 5.40 1.60 1.90 1.50 1.30 0.97	0.1 <0.1	0.17	4
	2-lan-13 6-Feb-13	9-Jan-13 12-Feb-13	14-Jan-13 15-Feb-13	7.66 7.66	4	-2	41	0.98	0.1 40.1	0.5	-1
	6-Mar-13	14-Mar-13 10-Apr-13	18-Mar-13 12-Arr-13	7.55 7.66 7.66 7.54 7.53 7.69	2 4 4 4 3 2 3	2	а а а а а	0.98 1.00 0.95 3.60	-0.1 -0.1 -0.1 -0.1	0.5	1 2
	1-May-13	7-May-13	10-May-13	7.69 7.60	1 42	1	4		40.1 40.1	0.21 0.22	á
	6-Jun-13 3-Jul-13	13-Jun-13 11-Jul-13	19-Jun-13 15-Jul-13	7.71		-2	4	1.20 1.40	<0.1	0.22	4
	7-Aug-13 4-Sep-13	13-Aug-13 12-Sep-13	16-Aug-13 16-Sep-13	7.40 7.26	1 1	-2	41	1.30	40.1 0.5	0.15	1
	2-Oct-13 6-Nov-13	11-Oct-13 12-Nov-13	15-Oct-13 19-Nov-13	7.40 7.26 7.37 7.51	-(2 2	-2	41	1.40 1.30 1.20 0.62 1.20 0.80	40.1 0.5 40.1 40.1	0.27 0.15 0.17 0.08 0.19 0.24	4
	A-Apr-12 2-May-12 6-lim-12 6-lim-12 6-lim-12 6-lim-12 6-lim-13 1-Aug-12 5-Ope-12 3-Ope-12 3-Ope-12 3-Ope-13 3-Apr-13 3-Apr-13 3-Apr-13 2-Aug-13 2-Aug-14 3-Aug-14 3-A	12-Dec-13 10-Jan-14	19 Juli 22 19 Juli 23 19 Juli 23 19 Juli 23 18 Juli 23 18 Juli 24 18 Juli 24 18 Juli 25 18 Juli 25 19 Jul		0 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2	<1	0.80	40.1 0.4	0.24	-1
	5-Feb-14	17-Feb-14	20-Feb-14	7.76 7.63 7.41 7.59 7.44 7.73 7.58	2	-2	a	1.05	40.1	0.13 0.51 0.47 0.24 0.09 0.06	a
	2-Apr-14	14-Apr-14	24-Mar-14 16-Apr-14	7.59	1	-2	4	2.13	40.1	0.24	4
	7-May-14 4-Jun-14	15-May-14 14-Jun-14	21-May-14 26-Jun-14	7.44	-2	-2	41	1.05 3.53 2.13 4.79 2.00 4.49	6.1 6.1 6.1 6.1 6.7 6.1	0.09	4
	2-Jul-14 6-Aug-14	10-Jul-14 15-Aur-14	18-Jul-14 22-Aur-14	7.58 7.48	-2	-2	41	4.49 1.22	<0.1 <0.1	0.15	4
	3-Sep-14 1-Ort-14	10-Sep-14 10-Ort-14	19-Sep-14 17-Oct-14	7.48 7.59 7.71 7.66 7.64 7.80 7.10	-2 4	-2	41	1.05 1.14 1.29 0.82 3.18 7.05	-0.1 -0.2 -0.1 -0.1 1.6 -0.2	0.18	2
	5-Nov-14	13-Nov-14	17-Nov-14	7.66	4	- 2	4	1.29	40.1	0.28	4
	7-Jan-15	16-Jan-15	20-Feb-15	7.80	2	10	4	3.18	1.6	0.58	4
	4-Feb-15 4-Mar-15	12-Feb-15 17-Mar-15	20-Feb-15 19-Mar-15	7.10 7.90	1	-2	41	0.93	0.2 <0.1	0.13	4
	1-Apr-15 6-May-15	14-Apr-15 15-May-15	15-Apr-15 20-May-15	7.76 7.36	-2	a a	<1 <1	6.78 0.99	<0.1 <0.1	0.15	4
	3-Jun-15	The Principle of the Control of the	22-Aug-14 19-Sep-18 17-Oct-14 17-Nov-14 16-Dec-14 10-Feb-15 20-Feb-15 19-Mar-15 19-May-15 10-May-15 16-Jan-15 28-Jai-15 15-Sep-15 15-Sep-15	7.90 7.76 7.36 7.61 7.43 7.69 7.56	3 c2 2 2 3	-2	a o o o o o o o o o o o o o o o o o o o	6.78 0.99 2.80 4.65 4.01 2.16	01 01 01 01 01 01	0.18 0.28 0.28 0.53 0.13 0.47 0.15 0.19 0.17 0.14 0.12	<1
	5-Aug-15	17-Aug-15	15-Sep-15	7.69	2	- 2	4	4.01	40.1	0.22	4
	7-Oct-15	19-Oct-15	20-Oct-15	7.33		-2	4	0.31	40.1 40.1	0.10	4
	4-Nov-15 2-Dec-15	16-Nov-15 10-Dec-15	20-Nov-15 11-Dec-15	7.34 7.29 8.26 7.39 8.04 7.72	a a a 1	-2	ପ ପ ପ ପ ପ ପ ପ ପ ପ ପ ପ ପ ପ ପ	0.88 1.09 6.29 2.63 0.75 0.91	<0.1 <0.1	0.10 0.22 0.34 0.24 0.56 0.54 0.33	88
	6-Jan-16 3-Feb-16	15-Jan-16 16-Feb-16	16-Feb-16 19-Feb-16	8.26 7.39	-2	a a	<1 <1	6.29 2.63	6.1 1.2 6.1 6.1	0.24	- 42
	2-Mar-16 6-Apr-16	16-Mar-16 21-Apr-16	18-Mar-16 22-Apr-16	8.04 7.72	-2	-2	41	0.75	40.1	0.54	2
	4-May-16	16-May-16	23-May-16	7.83	3 6 7 2 2 2 2 2	2	4	1.28	<0.1	0.47	- 2
	6-Jul-16	20-Jul-16	26-Jul-16	7.83 7.33 7.46 7.45 7.51 7.39 7.03	2	4	4	1.28 4.87 2.78 1.12 3.23 1.10	61 61 61 61 61	0.47 0.34 0.17 0.11 0.10 0.15 0.16	4
	3-Aug-16 7-Sep-16	11-Aug-16 16-Sep-16	15-Aug-16 19-Sep-16	7.45 7.51	2 2	-2	4	1.12 3.23	<0.1 <0.1	0.11	4
	5-Oct-16 2-Nov-16	17-Oct-16 15-Nov-16	27-Oct-16 15-Nov-16	7.19 7.03	2 2	4	<1 <1	0.83	<0.1 <0.1	0.15	4
	7-Dec-16 4-Jan-17	15-Dec-16 12-Jan-17	21-Dec-16 3-Eab-17	7.34	-2	<2 10	41	0.67	40.1	0.24	-0.
	1-Feb-17	9-Feb-17	13-Feb-17	7.34 7.48 6.87 7.67 7.52 7.59 7.43	a	4	а а а а а	0.67 7.06 1.45 0.80 1.09 6.25 9.15	01 01 01 01 01 01 01	0.24 0.67 0.68 0.18 0.11 0.19 0.21	4
	5-Apr-17	13-Apr-17	20-Apr-17	7.52	- 2	-2	4	1.09	40.1	0.11	<1
	7-Jun-17	14-Jun-17	15-May-17 16-Jun-17	7.43	3	-2	4	9.15	40.1	0.19	4
	5-Jul-17 2-Aug-17	12-3ul-17 11-Aug-17	13-Jul-17 15-Aug-17	7.56 7.53	3	a	41	2.23 1.14	<0.1 <0.1	0.11	4
	6-Sep-17 4-Oct-17	14-Sep-17 13-Oct-17	27-Sep-17 23-Oct-17	7.40 7.8	4	a a	41	1.06	<0.1 <0.1	0.12	4
	1-Nov-17	9-Nov-17	13-Nov-17	7.56 7.53 7.40 7.6 7.6 7.8 7.4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	a a 1 a a a a a a a a a a a a a a a a a	а а а а а	1.14 1.06 1.27 2.34 1.36	40.1 40.1 40.1 40.1	0.11 0.10 0.12 0.12 0.15 0.19 0.14	-1
	3-lan-18	15-Jan-18	5-Feb-18	7.4	- 1	2	4	17.2	0.3	0.14	4
	7-Mar-18	15-Feb-18 19-Mar-18	23-Mar-18	7.8 7.9 7.9 7.7 7.5 7.5 7.6 7.9 7.8 7.8 7.7	1	2	a o o o o o o o o o o o o o o o o o o o	6.63 1.49 1.67 4.42 2.21 2.57 5.08	<0.1 <0.1	0.32 0.24 0.21 0.13 0.12 0.08	<1
	04-Apr-18 02-May-18	16-Apr-18 14-May-18	20-Apr-18 16-May-18	7.9 7.8	3	a	41	1.67 4.42	61 61 61	0.21	4
	06-lun-18 04-lul-18	15-Jun-16 16-Jul-18	18-Jun-18 19-Jul-18	7.7	2 2	- 12	41	2.21		0.12	4
	01-Aug-18	14-Aug-18	16-Aug-18	7.5	3	-2	41	5.08	<0.1 <0.1	0.10	-1
	03-Oct-18	16-Oct-18	18-Oct-18	7.9	2 2 2 3 4 2	4	4	1.07 1.46 0.96 2.19 3.13 2.52	40.1	0.08 0.10 0.09 0.30 0.28 0.84	4
	05-Dec-18	18-Dec-18	19-Dec-18	7.8	1	3	4	2.19	0.1 0.1 0.1 0.1	0.30	4
	02-Jan-19 05-Feb-19	16-Jan-19 19-Feb-19	30-Jan-19 25-Feb-19	7.7	4 2	-2	41	3.13 2.52	49.1	0.28	2 <1
	05-Mar-19 03-Apr-19	23-Mar-19 02-May-19	25-Mar-19 06-May-19	8.0 7.5	2 7	-2	41	2.72	<0.1 <0.1	0.32	4
	01-May-19 05-km-19	20-May-19 21-Jun-19	22-May-19 24-hm-19	7.4	2 7 5 3 4	2	<1	19.1 9.04 4.60 5.78 1.16	61 61 61	0.35 0.16 0.12 0.14 0.09	-1
	03-Jul-19	16-Jul-19	17-Jul-19	7.5	4	-2	41	4.60	<0.1	0.14	-1
	04-Sep-19	13-Sep-19	17-Sep-19	7.6	ā	-2	4	1.16	40.1 40.1	0.08	4
	02-Oct-19 05-Nov-19	15-Oct-19 19-Nov-19	22-Oct-19 21-Nov-19	7.6 6.6	5	-2	41	1.02	<0.1	0.11	4
	04-Dec-19 15-Jan-20	20-Dec-19 07-Feb-20	20-Dec-19 19-Feb-20	8.0 7.5 7.4 7.4 7.5 7.6 7.6 6.6 7.5 7.5 7.5 7.5	c2 4 5 4 4 4 3	0 0 0 1 0 0 0 0 1 0 1 0 1 1	4	0.99 1.02 0.84 0.86 0.83 1.09	-0.1 -0.1 -0.1 0.1	0.11 0.13 0.12 0.08 0.11 0.13	4
	05-Feb-20 04-Mar-20	20-Feb-20 24-Mar-20	24-Feb-20 09-Apr-20	7.5 7.1	4	2	41	0.83	40.1 0.1	0.11	4
	01-Apr-20 05-May-20	16-Apr-20 16-May-20	20 0.0 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	7.8	1 1	-2	<1	3.56 2.87	0.1	0.13	
	03-Jun-20	16-Jun-20	19-Jun-20	7.7	1	- 2	a	0.95	40.1	0.09	a
	05-Aug-20	13-Aug-20	24-Aug-20	7.6 7.7 7.6 7.6 7.6 7.5 7.5	6	4	ପ ପ ପ ପ ପ ପ ପ ପ ପ ପ ପ ପ ପ ପ	0.95 1.49 1.48 4.92 5.39 2.17	01 01 01 01 01 01	0.09 0.11 0.10 0.11 0.10 0.19	4
	02-Sep-20 07-Oct-20	10-Sep-20 15-Oct-20	14-Sep-20 20-Oct-20	7.5	4	-42	4	4.92 5.39	<0.1 <0.1	0.11	1
	04-Nov-20 02-Dec-20	12-Nov-20 11-Dec-20	18-Nov-20 17-Dec-20	7.5 7.9	5	-2	41	2.17 1.11	<0.1 <0.1	0.19	280
	05-lan-21 03-5eb-21	14-Jan-21 19-Jan-21	29-Jan-21 16-Eeb-21	7.9 7.8 7.7 7.9 7.8 7.7 7.6	1 4	2	<1	3.67 6.38	40.1	0.12 0.10 0.12 0.14 0.14 0.1 0.1	1 2
	03-Mar-21	17-Mar-21	29-Mar-21	7.9	5	- 2	a	1.67 6.38 5.67 1.81 1.13 1.76	60.1 60.1 60.4 60.1 60.1	0.14	1
	05-May-21	17-May-21	18-May-21	7.7	4	42	4	1.13	40.1	0.14	2900
	02-lun-21 07-lui-21	15-Jun-21 19-Jul-21	16-Jun-21 19-Aug-21	7.5	4	-2	4	2.76	<0.1 <0.1	0.1	30 42
	04-Aug-21 01-Sen-21	17-Aug-21 10-Sep-21	19-Aug-21 17-Sen-21	7.64 7.32	3 4	42 42	<1 +1	2.32 8.73	40.1 40.1	0.08	1
	MUNICIPAL 21	15.0H-21 15.Nm-21	10.Nev.21 10.Nev.21	7.64	4	2 12	41	131	-01 -01	0.14	41
	01_Dar.21 05_lan.22	1%/Nan-21 17- Jan-22	20,0ar-21 16,Fah-22	7.01	7	*2 *2	41	1 19	*0 1 0.2	0.16	112
	03.Feb.27 03.Mar.27	16.Mar. 22	18,Fab.22 17,Mar.22	7 94 7 69	6	12	-1	1.64	*0.1 *0.1	0.21	30
	04.4ev.22	20.4m.22 13.Mm.22	10.Mmi.22 27.Mmi.22	7 00 8 13	4	*2	-11	1.18	×0.1	0.11	
	- 1800-153 - 1800-153	10. hm. 22 14. hd. 22	97.54.99 97.54.99	7.5 7.64 7.10 7.01 7.01 7.01 7.01 7.00 7.00 8.11 8.00 8.11 7.00 8.15 8.00 8.15 8.00 8.15 8.00 8.15 8.00 8.15 8.00 8.15 8.00 8.15 8.00 8.00 8.00 8.00 8.00 8.00 8.00 8.0	3 3 6 5 4 4 4 4 5 4 4 4 5 7 7 3 3 5 6 7 7 7 4 4 4 5 4 4 5 4 4 5 4 4 5 6 7 7 3 3 5 6 7 7 7 4 4 5 5 4 4 5 5 4 4 5 5 4 5 5 6 7 7 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	12	C1 C1 C1 C1 C1 C1 C1 C1 C1 C1 C1 C1 C1 C	2.76 2.22 8.77 1.10 1.11 1.15 1.15 1.15 1.15 1.15 1.15	60.1 60.1 60.1 60.1 60.1 60.1 60.1 60.1	0.07 0.08 0.08 0.14 0.15 0.21 0.1 0.15 0.21 0.1 0.1 0.12 0.12 0.12	11 1 2 2 2 2 2 2 2 2 2 2 2 2 1 1 1 1 1
	07.Sen.22	19.8en.22	24.0 st.22	8 04 7 60	3	41	41	09	-01	011	18
	07.New.22	11.Nev.22	16.54.34	8.04	6	42	41	7.62	40.1	0.53	27
	04- len-23 01-Feb 23	1% lan-2% 14.6-4	74. lan. 21 20. lan. 21	7 60 7 70 7 40 7 71	ź	4		504	18	0.00	1
	01.Mar.23 04.4ee.23	22.Mar.23 18.Am.23	10.4ev.23 21.4ev.23	771	4	12		0.95	+0 1 +0 1	0.12	2
	03-May-23 07-Jun-23	12-May-23 22-Jun-23	24-May-23 13-Jul-23	7 92 7 66	4 5	·2	41 41	139	=0 1 0 1	0.06	<2 1
	05-Jul-23 02-Aug-23	08-Aug-23 15-Aug-23	12-Sep-23 12-Sep-23	7 98 7 92	4 3	-2 -2	41	3 22 0 93	23	0 14	41
	04-Ren-25 04-Del-25	15.0m.25 13.0m.25	19,0+L23	7 GR 8 03		2 12	-1	114	16	0.12	1700
	01-New-23 05-Dec-23	13.Nov.23 18.Day.23	05.0er-25 25.1er-24	7 01 7 88	4 3	2 12	41	117	40 1 40 1	240	100
	117.Fwh.74	16L lan-25 20LEsh-24	29. lan. 34 22. Feb. 34	7 79 7 98	4	42 42	-1	133	10.4	0.71	-1
	05-Mar-24 03-Arr-24	13-56-15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	19-log 21 19-log 21	795 792 765 795 795 795 790 860 790 790 790 770 700 770 770 770 77	49 8 4 8 4 8 9 42 5	- 1 - 1 - 2 - 2 - 4 - 2 - 2 - 2 - 2 - 2 - 2 - 2		1 33 1 85 1 85 9 20 13 1 3.34	+0.1 +0.1 +0.1 0.1 +0.1	6 18 6 19 6 19 6 19 6 19 6 19 6 19 6 19	1700 1501 41 41 41 7 41 128 16 146
	05.Mar.74 05.4re.74 01.Mar.74 05. hor.74 05. hor.74	17. hm. 24	19, 54,74	72	42	2	41	13 1	01	024	156
	.10.00.74	111, Int. 74	10-14-24	7.3		42	*1	2.34	-0.1	4.12	140

The Effect Leves Data Telefan State Commission Commissi



Licence Limit Exceedances Log

Licensee Name Site Name EPA EPL Number Sample Point Bega Valley Shire Council

<u>Tathra Sewage Treatment Plant</u>

347

347 Point 2

Licence Parameter	Date Sampled	Result	Licence Limit	Reason for Limit Exceedance				
				Licence data compliant as tabled.				
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.				
Feacal 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				
Feacal 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 cencentration 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

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
						Data as originally published.