EPA Licence Effluent Quality Data

Licensee Name	Bega Valley Shire Council
Licensee Address	No 3. Zingel Place, Bega
Site Name	Bermagui Sewage Treatment Plant
Site Location	Bermagui-Tathra Road, Bermagui
EPA Licence Number (EPL)	1738
Link to Licence at EPA Website	http://www.epa.nsw.gov.au/prpoeoapp/ (select **Licences** option enter **Licence Number**, select **Search**)
Sample Point	Effluent balance tank labelled as "Point 3" on photo titled "Bermagui STP #1" dated 1 April 2009 (DOC09/18034).
Required Sampling Frequency & Type	Monthly composite sample. Grab sample for feacal coliform testing.

			pH	Susp.Solids	BOD	Tot Oil& Grease	Total Nitrogen	Ammonia (asN)	Tot.Phosp (asP)	Faecal Coliform
		Units	pH Units	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	cfu/100mL
		EPL 100%ile Limit	6.5-8.5	20	15	10	15	5	10	1000
		EPL 90%ile Limit		15	10	2	10	2	8	200
Date Sampled	**Date Obtained**	**Date Published**								
4-Apr-12	18-Apr-12	19-Jul-12	7.98	2	<2	<1	19	0.2	0.14	110
2-May-12	8-May-12	19-Jul-12	7.80	<2	<2	<1	1.2	<0.1	4.9	<2
6-Jun-12	14-Jun-12	19-Jul-12	7.50	4	3	<1	2.2	<0.1	1.4	<1
4-Jul-12	12-Jul-12	19-Jul-12	7.50	4	<2	<1	3.9	<0.1	0.98	<1
1-Aug-12	10-Aug-12	16-Aug-12	7.50	4	3	<1	1.8	0.3	1.4	<1
5-Sep-12	11-Sep-12	12-Sep-12	7.47	3	<2	<1	1.9	0.1	4.3	<2
3-Oct-12	15-Oct-12	16-Oct-12	7.20	3	3	<1	2.8	<0.1	6.8	<1
7-Nov-12	14-Nov-12	16-Nov-12	7.47	9	3	<1	1.8	0.3	5.3	2
5-Dec-12	12-Dec-12	14-Dec-12	7.42	6	<2	<1	2.5	0.2	5.1	1
2-Jan-13	9-Jan-13	14-Jan-13	7.56	5	4	<1	22	1.0	3.5	11
6-Feb-13	12-Feb-13	15-Feb-13	7.63	4	<2	<1	2.4	0.1	1.9	14
6-Mar-13	14-Mar-13	18-Mar-13	7.41	4	<2	<1	5.8	<0.1	9.5	93
3-Apr-13	10-Apr-13	12-Apr-13	7.67	4	3	<1	9.4	1.8	0.56	70
1-May-13	7-May-13	10-May-13	7.55	4	<2	<1	2.7	1.2	0.99	2
6-Jun-13	13-Jun-13	19-Jun-13	7.43	8	<2	<1	1.8	<0.1	2.4	360
3-Jul-13	11-Jul-13	15-Jul-13	7.54	3	<2	<1	1.8	<0.1	2.5	<2
7-Aug-13	13-Aug-13	16-Aug-13	7.40	3	2	<1	2.0	0.1	7.3	1
4-Sep-13	12-Sep-13	16-Sep-13	7.58	4	<2	<1	1.5	<0.1	5.0	<1
2-Oct-13	11-Oct-13	15-Oct-13	7.50	4	3	<1	3.8	0.1	2.2	2
6-Nov-13	12-Nov-13	19-Nov-13	7.50	3	<2	<1	3.6	<0.1	5.4	<2
5-Dec-13	12-Dec-13	16-Dec-13	-	2	<2	<1	3.99	0.2	6.1	93
2-Jan-14	10-Jan-14	5-Feb-14	7.97	7	3	<1	10.8	2.9	3.7	73
5-Feb-14	17-Feb-14	20-Feb-14	7.67	6	<2	<1	1.09	<0.1	5.3	124
5-Mar-14	17-Mar-14	24-Mar-14	7.73	4	2	<1	1.17	<0.1	5.38	104
2-Apr-14	14-Apr-14	16-Apr-14	7.35	2	<2	<1	2.82	0.1	4.59	54
7-May-14	15-May-14	21-May-14	7.45	2	<2	<1	3.29	<0.1	3.42	70
4-Jun-14	14-Jun-14	26-Jun-14	7.45	3	<2	<1	3.76	1.7	7.55	<1
2-Jul-14	10-Jul-14	18-Jul-14	7.34	3	<2	<1	3.55	<0.1	6.93	<2
6-Aug-14	15-Aug-14	22-Aug-14	7.49	<2	<2	<1	3.55	<0.1	2.52	<1
3-Sep-14	10-Sep-14	19-Sep-14	7.59	<2	<2	<1	1.12	<0.1	2.48	<2
1-Oct-14	10-Oct-14	17-Oct-14	7.65	3	<2	<1	0.81	<0.1	2.56	<2
5-Nov-14	13-Nov-14	17-Nov-14	7.61	6	<2	<1	3.13	0.9	4.11	<1
3-Dec-14	11-Dec-14	16-Dec-14	8.52	5	4	<1	2.02	0.2	3.14	18
7-Jan-15	16-Jan-15	20-Feb-15	7.47	6	3	<1	3.30	0.3	0.88	7200
4-Feb-15	12-Feb-15	20-Feb-15	7.15	<2	<2	<1	0.97	<0.1	0.36	<1
4-Mar-15	17-Mar-15	19-Mar-15	7.69	2	<2	<1	4.40	0.1	0.21	<1
1-Apr-15	14-Apr-15	15-Apr-15	7.52	<2	<2	<1	8.15	<0.1	6.60	<2
6-May-15	15-May-15	20-May-15	7.56	<2	<2	<1	8.27	<0.1	3.30	<2
3-Jun-15	12-Jun-15	16-Jun-15	7.57	<2	<2	<1	3.59	<0.1	3.76	<1
1-Jul-15	10-Jul-15	28-Jul-15	7.82	<2	<2	<1	0.92	<0.1	2.68	<2
5-Aug-15	17-Aug-15	15-Sep-15	7.44	3	<2	<1	4.21	<0.1	1.23	<2
2-Sep-15	11-Sep-15	15-Sep-15	7.74	3	<2	<1	2.46	<0.1	4.09	<2
7-Oct-15	19-Oct-15	20-Oct-15	7.13	4	<2	<1	2.32	0.4	2.24	4
4-Nov-15	14-Nov-15	20-Nov-15	7.29	2	<2	<1	1.59	0.4	5.32	2
2-Dec-15	10-Dec-15	11-Dec-15	7.45	3	<2	<1	2.62	0.8	4.40	194
6-Jan-16	15-Jan-16	16-Feb-16	7.65	2	<2	<1	7.08	<0.1	3.67	2
3-Feb-16	16-Feb-16	19-Feb-16	7.43	3	<2	<1	1.81	<0.1	2.68	60
2-Mar-16	16-Mar-16	18-Mar-16	7.76	2	<2	<1	1.22	0.2	0.95	<2
6-Apr-16	21-Apr-16	22-Apr-16	7.43	3	<2	<1	8.92	0.1	5.43	27
4-May-16	16-May-16	23-May-16	7.38	2	<2	<1	7.84	0.2	5.98	4
1-Jun-16	14-May-16	24-May-16	7.20	<2	<2	<1	9.02	<0.1	2.65	4
6-Jul-16	20-Jul-16	26-Jul-16	7.18	2	<2	<1	4.14	<0.1	1.90	<1
3-Aug-16	11-Aug-16	15-Aug-16	7.38	4	<2	<1	1.64	0.1	0.41	<1
7-Sep-16	16-Sep-16	19-Sep-16	7.48	6	3	<1	2.53	1.0	6.81	1
5-Oct-16	17-Oct-16	27-Oct-16	6.83	8	2	<1	2.38	<0.1	7.62	170
2-Nov-16	15-Nov-16	15-Nov-16	7.12	3	<2	<1	1.02	<0.1	6.47	4
7-Dec-16	15-Dec-16	21-Dec-16	7.29	3	<2	<1	6.34	1.7	6.27	4
4-Jan-17	12-Jan-17	3-Feb-17	7.58	4	2	<1	7.68	0.6	1.53	3
1-Feb-17	9-Feb-17	13-Feb-17	6.96	<2	<2	<1	1.36	0.3	7.09	1
1-Mar-17	10-Mar-17	13-Mar-17	7.62	<2	<2	<1	1.16	0.2	0.97	6
5-Apr-17	13-Apr-17	20-Apr-17	7.32	<2	<2	<1	1.96	0.2	2.26	500
3-May-17	11-May-17	15-May-17	7.37	<2	<2	<1	2.37	<0.1	6.23	<1
7-Jun-17	14-Jun-17	16-Jun-17	7.39	<2	<2	<1	3.44	0.6	6.54	<1
5-Jul-17	12-Jul-17	13-Jul-17	7.07	3	<2	<1	3.10	<0.1	6.62	<1
2-Aug-17	11-Aug-17	15-Aug-17	7.19	3	<2	<1	2.28	0.2	3.00	1
6-Sep-17	14-Sep-17	27-Sep-17	7.57	4	2	<1	3.04	1.5	0.44	<1
4-Oct-17	13-Oct-17	23-Oct-17	7.2	6	14	<1	2.84	0.3	0.42	<1
1-Nov-17	9-Nov-17	13-Nov-17	7.3	3	<2	<1	2.98	0.1	4.58	2500
6-Dec-17	17-Dec-17	21-Dec-17	7.6	3	<2	<1	2.26	0.2	4.64	61
3-Jan-18	15-Jan-18	5-Feb-18	7.8	6	4	<1	11.4	4.3	2.74	5
7-Feb-18	15-Feb-18	16-Mar-18	7.5	4	<2	<1	1.96	0.6	6.71	<1
7-Mar-18	19-Mar-18	23-Mar-18	7.5	2	<2	<1	4.39	<0.1	7.69	81
04-Apr-18	16-Apr-18	20-Apr-18	7.3	<2	<2	<1	9.74	0.7	7.79	4
02-May-18	14-May-18	16-May-18	7.6	<2	<2	<1	3.27	0.1	6.83	<1
06-Jun-18	15-Jun-16	18-Jun-18	7.5	4	<2	<1	1.61	0.2	1.66	2
04-Jul-18	16-Jul-18	19-Jul-18	7.7	3	<2	<1	1.47	0.2	0.27	<1
01-Aug-18	14-Aug-18	16-Aug-18	7.6	3	<2	<1	1.07	<0.1	0.32	<1
05-Sep-18	19-Sep-18	19-Sep-18	7.4	2	<2	<1	3.48	<0.1	5.91	<1
03-Oct-18	16-Oct-18	18-Oct-18	7.5	2	<2	<1	1.81	<0.1	1.63	<1
07-Nov-18	23-Nov-18	27-Nov-18	7.7	3	<2	<1	3.01	1.0	6.91	<1
05-Dec-18	18-Dec-18	19-Dec-18	7.6	<2	3	<1	4.84	1.2	7.34	1
02-Jan-19	16-Dec-19	30-Jan-19	7.3	4	3	<1	21.5	1.8	5.63	<1
06-Feb-19	19-Feb-19	25-Feb-19	7.6	3	<2	<1	3.73	<0.1	8.18	<1
06-Mar-19	23-Mar-19	25-Mar-19	7.9	2	<2	<1	1.54	<0.1	3.58	<1
03-Apr-19	02-May-19	06-May-19	7.2	<2	<2	<1	8.56	0.3	6.98	<2
01-May-19	20-May-19	22-May-19	7.7	<2	3	<1	7.82	<0.1	4.72	<2
05-Jun-19	21-Jun-19	24-Jun-19	7.2	4	3	<1	4.31	0.7	4.04	<1
03-Jul-19	16-Jul-19	17-Jul-19	7.6	2	2	<1	3.83	1.2	1.32	<1
07-Aug-19	20-Aug-19	21-Aug-19	7.6	4	<2	<1	2.73	0.1	2.85	<1
04-Sep-19	13-Sep-19	17-Sep-19	7.5	2	<2	<1	2.42	0.2	3.22	<1
02-Oct-19	15-Oct-19	22-Oct-19	7.0	5	<2	<1	5.32	0.1	3.60	<1
06-Nov-19	19-Nov-19	21-Nov-19	6.8	4	<2	<1	2.76	0.8	5.60	1
04-Dec-19	20-Dec-19	20-Dec-19	7.5	4	<2	<1	2.11	<0.1	6.28	1
15-Jan-20	07-Feb-20	19-Feb-20	7.6	9	5	<1	5.55	0.1	5.75	<1
05-Feb-20	20-Feb-20	24-Feb-20	7.33	3	5	<1	9.80	<0.1	4.26	<1
04-Mar-20	24-Mar-20	09-Apr-20	7.4	3	<2	<1	2.66	1.0	4.67	9
01-Apr-20	16-Apr-20	24-Apr-20	7.5	<2	<2	<1	4.56	0.1	5.07	2
06-May-20	18-May-20	20-May-20	7.1	4	5	<1	6.41	<0.1	1.71	370
03-Jun-20	16-Jun-20	19-Jun-20	7.6	4	<2	<1	4.48	0.9	4.95	500
01-Jul-20	08-Jul-20	22-Jul-20	7.4	3	<2	<1	8.96	0.4	4.33	9
05-Aug-20	13-Aug-20	24-Aug-20	7.2	6	4	<1	9.94	<0.1	4.71	4
02-Sep-20	10-Sep-20	14-Sep-20	7.6	4	<2	<1	8.67	<0.1	4.14	<1
07-Oct-20	15-Oct-20	20-Oct-20	7.3	9	3	<1	7.77	<0.1	1.54	79
04-Nov-20	12-Nov-20	18-Nov-20	7.4	2	<2	<1	8.41	<0.1	4.29	370
02-Dec-20	11-Dec-20	17-Dec-20	7.7	2	<2	<1	2.48	0.6	7.14	<1
06-Jan-21	14-Jan-21	29-Jan-21	7.5	9	3	<1	11.0	0.2	4.71	6
03-Feb-21	19-Jan-21	16-Feb-21	7.2	6	2	<1	5.41	0.4	3.12	<1
03-Mar-21	17-Mar-21	29-Mar-21	7.6	5	2	<1	2.4	0.3	0.4	<1
07-Apr-21	17-Mar-21	13-May-21	7.54	5	2	<1	13.9	2.8	4.36	3
05-May-21	17-May-21	18-May-21	7.2	6	<2	<1	6.08	0.1	5.88	1
02-Jun-21	15-Jun-21	22-Jun-21	7.2	6	4	<1	8.46	0.3	5.85	<2
07-Jul-21	19-Jul-21	19-Aug-21	7.3	3	<2	<1	5.26	0.3	5.27	42
04-Aug-21	17-Aug-21	19-Aug-21	7.57	5	3	<1	3.9	0.2	6.09	1
01-Sep-21	10-Sep-21	17-Sep-21	7.59	6	3	<1	3.79	0.4	5.17	<1
06-Oct-21	15-Oct-21	19-Nov-21	7.78	6	3	<1	4.19	0.4	1.18	2
03-Nov-21	15-Nov-21	19-Nov-21	7.78	6	4	<1	3.88	0.3	4.61	<1
01-Dec-21	13-Dec-21	20-Dec-21	7.7	<2	<2	<1	3.04	0.2	4.13	112
05-Jan-22	17-Jan-22	16-Feb-22	7.14	15	4	<1	13.1	0.7	7.58	<1
02-Feb-22	14-Feb-22	16-Feb-22	7.63	5	<2	<1	7.39	<0.1	6.86	30
02-Mar-22	16-Mar-22	17-Mar-22	7.49	7	3	<1	6.04	0.3	5.28	2
06-Apr-22	20-Apr-22	10-May-22	7.69	5	<2	<1	7.54	<0.1	3.39	<1
04-May-22	13-May-22	27-May-22	7.87	8	2	<1	4.64	<0.1	2.45	2
01-Jun-22	10-Jun-22	27-Jul-22	7.69	11	5	<1	5.37	0.8	5.46	1
06-Jul-22	15-Jul-22	27-Jul-22	7.77	14	3	<1	7.18	0.2	2.36	2
03-Aug-22	12-Aug-22	24-Oct-22	7.42	6	3	<1	3.74	0.1	3.07	6
07-Sep-22	19-Sep-22	24-Oct-22	7.92	6	4	<1	2.49	0.2	2.2	18
05-Oct-22	14-Oct-22	24-Oct-22	7.63	5	2	<1	3.01	0.7	1.12	5
02-Nov-22	11-Nov-22	28-Nov-22	8	3	<2	<1	2.42	0.3	3.31	<1
07-Dec-22	20-Dec-22	21-Dec-22	7.47	6	5	<1	2.45	<0.1	2.09	1
04-Jan-23	13-Jan-23	24-Jan-23	7.58	4	3	<1	9.85	2.5	1.13	1
01-Feb-23	14-Feb-23	22-Feb-23	7.62	5	<2	<1	4.12	0.8	1.44	2
01-Mar-23	22-Mar-23	12-Apr-23	7.43	2	<2	<1	3.46	0.5	8.13	2
04-Apr-23	18-Apr-23	21-Apr-23	7.5	5	3	<1	6.37	1.8	13	5
03-May-23	12-May-23	24-May-23	7.9	4	<2	<1	2.35	0.6	5.01	<1
07-Jun-23	22-Jun-23	13-Jul-23	7.78	5	<2	<1	3.13	0.8	0.24	<1
05-Jul-23	08-Aug-23	12-Sep-23	7.8	5	<2	<1	6.74	2.5	3.13	2
02-Aug-23	15-Aug-23	12-Sep-23	7.88	4	<2	<1	1.75	0.2	1.32	1
04-Sep-23	15-Sep-23	19-Oct-23	8.04	7	2	<1	6.94	1.6	1	<1
04-Oct-23	13-Oct-23	19-Oct-23	7.93	4	<2	<1	1.25	<0.1	2.08	158
01-Nov-23	13-Nov-23	06-Dec-23	7.63	5	<2	<1	4.48	<0.1	8.05	8
06-Dec-23	18-Dec-23	25-Jan-24	7.97	3	<2	<1	4.08	0.1	18.5	7
03-Jan-24	16-Jan-23	25-Jan-24	7.45	5	<2	<1	12.2	1.7	3.6	1
07-Feb-24	20-Feb-24	22-Feb-24	7.77	5	<2	<1	7.34	<0.1	7.46	2
06-Mar-24	20-Mar-24	18-Apr-24	7.7	3	2	<1	4.4	<0.1	2.67	9
03-Apr-24	17-Apr-24	18-Apr-24	7.4	3	<2	<1	11	4.3	1.67	<1
01-May-24	09-May-24	15-Jul-24	7.8	4	<2	<1	5.49	0.2	3.11	<1
05-Jun-24	17-Jun-24	18-Dec-24	7.2	<2	<2	<1	7.32	<0.1	1.88	11
03-Jul-24	11-Jul-24	18-Dec-24	7.4	3	2	<1	4.99	0.9	1.62	1
07-Aug-24	16-Aug-24	18-Dec-24	7.5	5	2	<1	3.79	0.6	4.51	1
04-Sep-24	13-Sep-24	17-Sep-24	7	10	8	<1	28.3	25.9	4.5	3000
02-Oct-24	14-Oct-24	24-Oct-24	8	6	<2	<1	4.27	1.1	0.6	<1
06-Nov-24	15-Nov-24	21-Nov-24	7.9	9	<2	<1	7.68	0.1	2.53	36000
04-Dec-24	13-Dec-24	18-Dec-24	7.4	3	<2	<1	2.65	0.2	3.83	<1

EPA Licence Effluent Quality Data

Date Sampled	Date Obtained	Date Published	pH	Susp Solids	BOD	Tot Oil& Grease	Total Nitrogen	Ammonia (as N)	Tot Phosp (as P)	Faecal Coliform
[illegible]										
07-Nov-18	23-Nov-18	27-Nov-18	8.2	12	<2	<1	0.23	0.2	0.02	<1
15-Nov-18	29-Nov-18	30-Nov-18	8.2	12	<2	<1	0.17	<0.1	<0.01	1
21-Nov-18	29-Nov-18	03-Dec-18	8.1	14	2	<1	0.24	<0.1	0.02	1
29-Nov-18	17-Dec-18	19-Dec-18	8.2	16	<2	<1	0.13	0.1	<0.01	1
05-Dec-18	18-Dec-18	19-Dec-18	8.1	16	<2	<1	0.18	0.2	<0.01	<1
13-Dec-18	01-Jan-19	02-Jan-19	8.0	15	<2	<1	0.22	<0.1	<0.01	<1
19-Dec-18	07-Jan-19	07-Jan-19	8.1	10	<2	<1	0.19	<0.1	<0.01	1
27-Dec-18	18-Jan-19	30-Jan-19	8.1	26	<2	<1	0.19	0.2	<0.01	<1
02-Jan-19	23-Jan-19	30-Jan-19	8.1	16	<2	<1	0.52	0.3	0.01	24
10-Jan-19	25-Jan-19	30-Jan-19	8.1	35	<2	<1	0.25	0.2	0.01	3
16-Jan-19	30-Jan-19	31-Jan-19	8.2	24	<2	<1	0.40	0.4	0.01	<1
24-Jan-19	20-Feb-19	25-Feb-19	8.2	12	<2	<1	0.30	<0.3	<0.01	<1
30-Jan-19	15-Feb-19	18-Feb-19	8.1	37	<2	<1	0.31	<0.3	<0.01	10
06-Feb-19	19-Feb-19	25-Feb-19	8.1	11	<2	<1	0.17	<0.2	<0.01	26
14-Feb-19	27-Feb-19	04-Mar-19	8.1	11	<2	<1	<0.05	<0.1	0.02	1
20-Feb-19	08-Mar-19	11-Mar-19	8.1	11	<2	<1	0.31	<0.5	0.01	3
28-Feb-19	15-Mar-19	18-Mar-19	8.1	8	<2	<1	0.21	<0.1	<0.01	<1
06-Mar-19	23-Mar-19	25-Mar-19	8.1	13	<2	<1	0.32	<0.1	<0.01	<1
14-Mar-19	29-Mar-19	04-Apr-19	8.1	14	<2	<1	0.23	0.4	<0.01	<1
20-Mar-19	26-Mar-19	26-Mar-19	-	-	-	-	-	-	-	1
28-Mar-19	01-Apr-19	04-Apr-19	-	-	-	-	-	-	-	<1
06-Nov-19	13-Nov-19	21-Nov-19	-	-	-	-	-	-	-	<1
13-Nov-19	19-Nov-19	21-Nov-19	-	-	-	-	-	-	-	<1
20-Nov-19	25-Nov-19	27-Nov-19	-	-	-	-	-	-	-	<1
27-Nov-19	04-Dec-19	12-Dec-19	-	-	-	-	-	-	-	10
04-Dec-19	09-Dec-19	12-Dec-19	-	-	-	-	-	-	-	<1
11-Dec-19	13-Dec-19	20-Dec-19	-	-	-	-	-	-	-	<1
[illegible]										
05-Feb-20	10-Feb-20	19-Feb-20	-	-	-	-	-	-	-	1
12-Feb-20	18-Feb-20	19-Feb-20	-	-	-	-	-	-	-	<1
19-Feb-20	25-Feb-20	05-Mar-20	-	-	-	-	-	-	-	4
04-Mar-20	16-Mar-20	20-Mar-20	-	-	-	-	-	-	-	158
11-Mar-20	18-Mar-20	20-Mar-20	-	-	-	-	-	-	-	4
18-Mar-20	23-Mar-20	02-Apr-20	-	-	-	-	-	-	-	1
25-Mar-20	30-Mar-20	02-Apr-20	-	-	-	-	-	-	-	<1
04-Nov-20	09-Nov-20	13-Nov-20	-	-	-	-	-	-	-	<1
25-Nov-20	30-Nov-20	04-Dec-20	-	-	-	-	-	-	-	<1
06-Jan-21	11-Jan-21	29-Jan-21	-	-	-	-	-	-	-	<1
[illegible]										

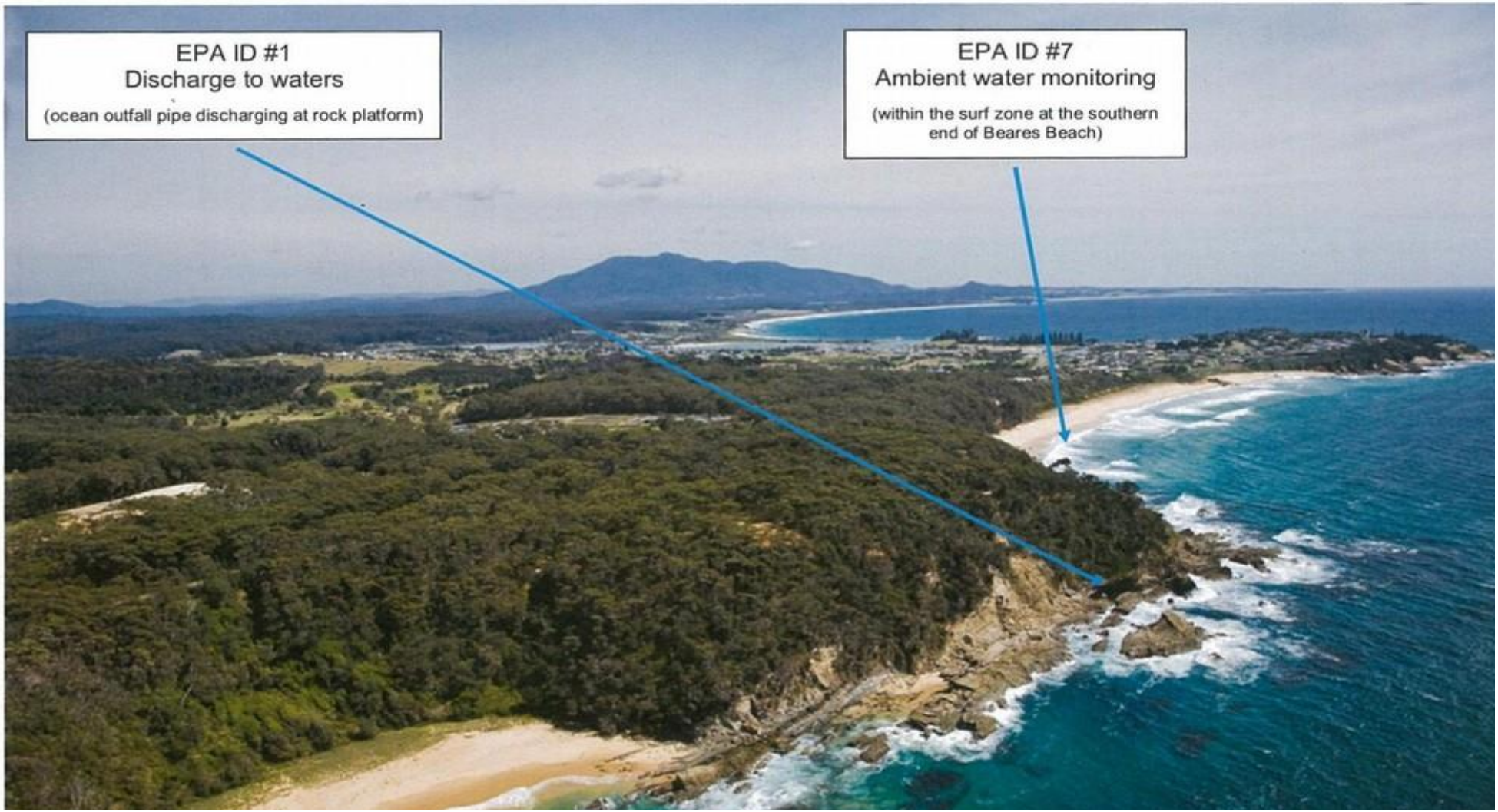
Site Map

Licensee Name	**Bega Valley Shire Council**
Site Name	**Bermagui Sewage Treatment Plant**
EPA EPL Number	**1738**

Bermagui STP #1
Bermagui Sewerage Treatment Plant
Dated 1st April 2009
Signed, Water & Sewerage Services Manager
Bega Valley Shire Council

Environmental monitoring sites

Licensee Name	**Bega Valley Shire Council**
Site Name	**Bermagui Sewage Treatment Plant**
EPA EPL Number	**1738**



Licence Limit Exceedances Log

Licensee Name Bega Valley Shire Council
Site Name Bermagui Sewage Treatment Plant
EPA EPL Number 1738
Sample Point Point 3

Licence Parameter	Date Sampled	Result	Licence Limit	Reason for Limit Exceedance
Total Nitrogen	4/04/2012	19	15	*Plant under high load during Easter holiday period - high nitrification (ie conversion of ammonia to Nitrate) outstripping rate of denitrification (convertiong Nitrates to Nitrogen gas). Total Nitrogen limits exceeded.Total Nitrogen compliant at 11mg/L on 11/04/12.*
Total Nitrogen	2/01/2013	22	15	*Following the high load events in Easter 2012 (refer above), Bernagui STP was again under high load during the Christmas 2012 holiday period. The plant was operated to maximise removal of ammonia, as ammonia is a known toxin to aquatic organisms. However, the plant again appeared unable to remove forms of oxidised nitrogen. Consequently, the Total Nitrogen licence limit was again exceeded. Effluent Total Nitrogen was reported at 10.2mg/L (once again within 100%ile licence limits) as at 11/01/13.* *EPA have requested Council undertake an appraisal of the plants capacity under high load and flow conditions, and report with recommendations for possible augmentation and changes to operations where necessary. This report is due to the EPA as a Pollution Reduction Programme deliverable by 31/03/13.*
Faecal Coliforms	7/01/2015	7,200	200 / 1000	*Operations contractor Downer report that sampling line was dislodged from the disinfection system outlet pipe and into the effluent storage lagoon, which in turn provided opportunity for recontamination from wildlife.*
Faecal Coliforms	1/11/2017	2,500	200 / 1000	*The operator didn't turn off the recirculation pumps from the outfall before taking the microbiological sample. Recirculation pumps provide fluid over the UV lamps when there is no or low flow. By not turning off the pumps contaminated effluent water was sampled.*
Total Nitrogen	2/01/2019	22	15	*The flow and load to the plant doubled in December and required the plant to operate at full capacity. Maximum aeration was applied on the 2nd of January and overnight the Flow and load decreased and led to an over aeration during the lower flow period. The Non -compliant Total nitrogen (TN=21.5mg/l) is a direct result of elevated Nitrate/Nitrite levels (NOx= 15.1mg/l) due to over aeration. A decreased flow and load could not be predicted as aeration cycles were set according to previuos peak seasonal settings.*
Total Phosphorous	4/04/2023	13	10	*Very low MLSS in Anoxic/Aeration Reactor impaired biological removal of Phosphorous.*
Total Phosphorous	6/12/2023	18.5	10	*High rainfall caused the lagoon with the high concentration Phosphorus to flow back faster causing the high phosphorus reading*
Ammonia	4/09/2024	25.9	2mg/5mg	High Ammonia concentration as a result of several and prolonged power outages that occurred
Total Nitrogen	4/09/2024	28.3	10mg/15mg	*High Total Nitrogen concentration as a result of several and prolonged power outages that occurred*
Faecal Coliforms	4/09/2024	3,000	200 / 1000	*Poor disinfection of the final effluent during several and prolonged power outages that occurred*
Faecal Coliforms	6/11/2024	36,000	201 / 1000	*The UV disinfection system was bypassed during the refurbishment of the clarifier to protect the UV system from low-flow and no-flow situations. The effluent were discharged into the ocean outfall pond and disinfected with a temporary Sodium Hypochlorite system. The disinfection dosing point was in the pipe entering into the ocean outfall pond to provide as much as possible mixing. The operator monitored the free chlorine concentration at the point on entry into the ocean outfall pond and maintained on average 0.15-0.2mg/l free Chlorine. The sample was taken directly after a Pasveer decant and mixing was inadequate to ensure proper disinfection.*

Data Corrections Log

Licensee Name **Bega Valley Shire Council**
Site Name **Bermagui Sewage Treatment Plant**
EPA EPL Number **1738**
Sample Point **Point 3**

Licence Parameter	Date Sampled	Original Data	Corrected Data	Date Corrected	Date Originally Published	Reason for Correction
						No change to data as originally published