

Site Map

Licensee Name
Site Name
EPA EPL Number

Bega Valley Shire Council
Bermagui Sewage Treatment Plant
1738

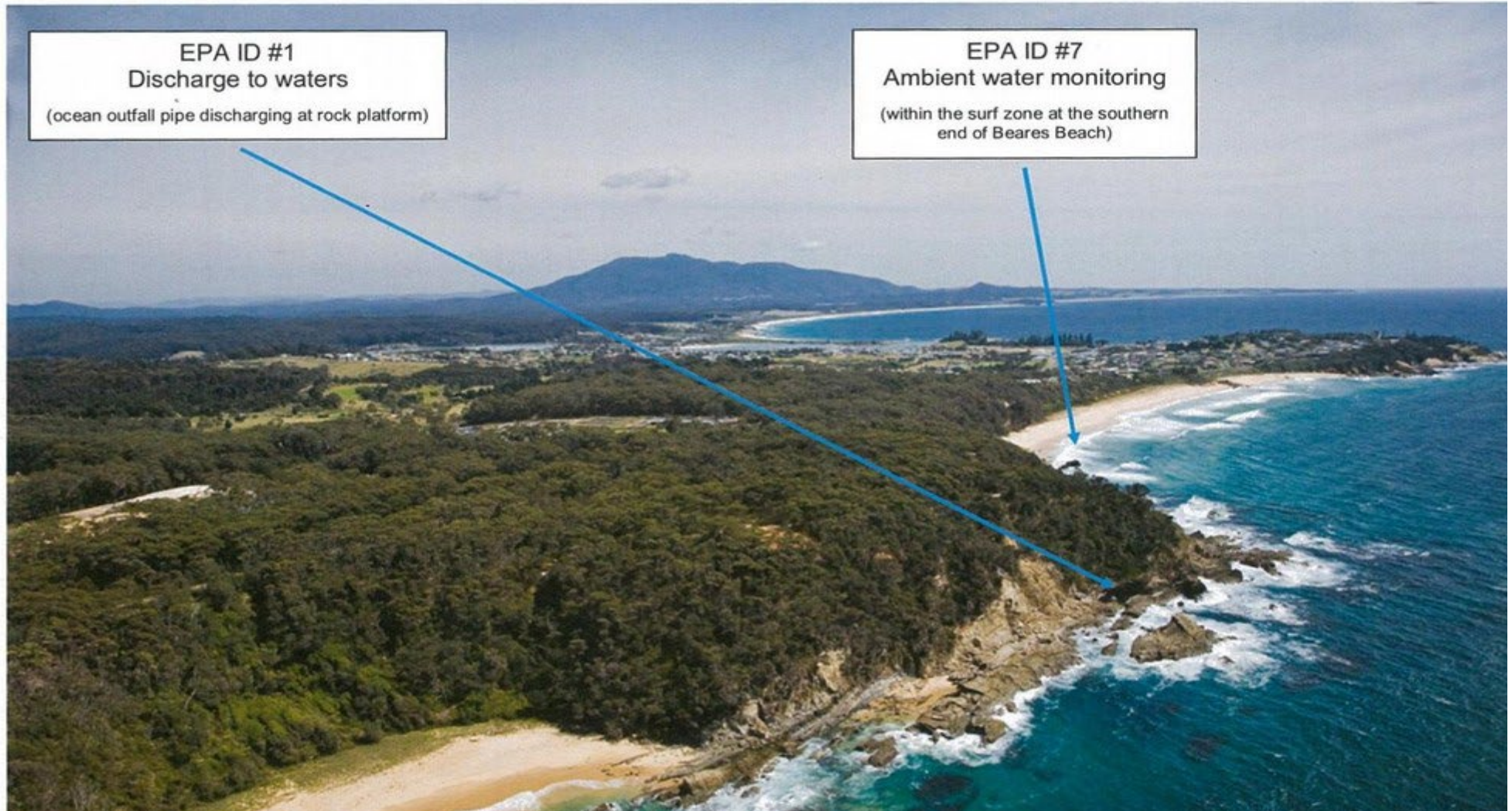


Bermagui STP #1
Bermagui Sewerage Treatment Plant
Dated 1st April 2009
Signed, Water & Sewerage Services Manager
Bega Valley Shire Council

Environmental monitoring sites

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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	<i>Plant under high load during Easter holiday period - high nitrification (ie conversion of ammonia to Nitrate) outstripping rate of denitrification (converting Nitrates to Nitrogen gas). Total Nitrogen limits exceeded. Total Nitrogen compliant at 11mg/L on 11/04/12.</i>
Total Nitrogen	2/01/2013	22	15	<p><i>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.</i></p> <p><i>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.</i></p>
Faecal Coliforms	7/01/2015	7,200	200 / 1000	<i>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.</i>
Faecal Coliforms	1/11/2017	2,500	200 / 1000	<i>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.</i>
Total Nitrogen	2/01/2019	22	15	<i>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 previous peak seasonal settings.</i>
Total Phosphorous	4/04/2023	13	10	<i>Very low MLSS in Anoxic/Aeration Reactor impaired biological removal of Phosphorous.</i>
Total Phosphorous	6/12/2023	18.5	10	<i>High rainfall caused the lagoon with the high concentration Phosphorus to flow back faster causing the high phosphorus reading</i>

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
						<i>No change to data as originally published</i>