



## Site Map

Licensee Name

Bega Valley Shire Council

Site Name

Tura Beach Sewage Treatment Plant

EPA EPL Number

4367



### Tura Beach STP #1

Tura Beach Sewage Treatment Plant

Dated 28<sup>th</sup> June 2016

Signed, Water & Sewerage Services Manager

Bega Valley Shire Council

## Licence Limit Exceedances Log

**Licensee Name** Bega Valley Shire Council  
**Site Name** Tura Beach Sewage Treatment Plant  
**EPA EPL Number** 4367  
**Sample Point** Point 3

Licence Parameter	Date Sampled	Result	Licence Limit	Reason for Limit Exceedance
Suspended Solids	7/08/2013	32	30	<p>Operator provides the following reasons - "Tura Golf Club has pumped down the storage lagoon down to a point on the marker that indicated Yellow / Red , it was noted by the operator on site that the lagoon was low enough that when the ALS rep placed the sample collection device into the lagoon he struck the bottom and stirred the immediate environment, this resulted in disturbances to the lagoon. Records of site observations also note algae present on the surface. The combination of these events has resulted in artificially increasing TSS concentrations."</p> <p>BVSC advises also that the new disinfection works will avoid the use of this pond, so effluent will not be affected by these events from approx end 2014.</p>
pH	5/02/2014	9.04	8.5	<p>During periods of hot weather, algae may develop within shallow open ponds. This in turn may adversely affect reported water quality parameters such as pH, TSS and BOD. Council has committed to an upgrade at the Tura Beach STP, where disinfection will be introduced and effluent quality results will no longer be affected by open pondage. These works are planned for completion by August 2014.</p>
Total Nitrogen	7/01/2021	17.3	15	<p>The flow and load to the plant increased significantly during the December holiday period and required the plant to operate at maximum aeration capacity. The Ammonia concentration was marginally compliant at 2.0mg/l but maximum aeration led to elevated Nitrate/Nitrite levels (NOx= 14.0mg/l) and hence non-compliant Total Nitrogen (TN= 17.3)</p>
Faecal Coliforms (100%-ile)	5/08/2021	4000	600	<p>Chlorine dosing system was fully functional but residual Chlorine concentration was relative low when the sample was taken. The CCT tank was cleaned 3 months ago as cleaning of the tank is scheduled every 6 months to ensure maximum residual chlorine is available for the disinfection process. ACTION: Improve the circulation in the outside channel to ensure better overall disinfection and increase the Chlorine dosing proportionally</p>
Faecal Coliforms (100%-ile)	8/12/2022	11200	600	<p>Chlorine dosing system was fully functional but residual Chlorine concentration was relative low</p>
Biochemical Oxygen Demand (100%-ile)	8/12/2022	19	15	<p>The high BOD concentration is because of organic matter and algae in the Chlorine contact tank</p>
Total Nitrogen	5/01/2023	15.7	15	<p>The aeration level was increased to control the increased Ammonia load during the peak holiday period. More than usual Nitrates were produced and led to the exceedance of Total Nitrogen. Aeration intervals adjusted accordingly and RAS cycles extended.</p>
Biochemical Oxygen Demand (100%-ile)	5/04/2023	20	15	<p>The high BOD concentration is because of organic matter and algae in the Chlorine contact tank</p>

**Data Corrections Log**

Licensee Name                    Bega Valley Shire Council  
Site Name                        Tura Beach Sewage Treatment Plant  
EPA EPL Number                4367  
Sample Point                    Point 3

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