

## **ATTACHMENT 5. WASTEWATER TREATMENT PLANTS – LEVEL 1 SECONDARY TREATMENT (8)**

Ben Lomond Water's eight Level 1 secondary treatment wastewater treatment plants are:

### **1. Ross Wastewater Treatment Plant:**

The Ross WWTP is located off Nile Road approximately 500 metres north of the town centre. The WWTP receives sewage from the town and following treatment wastewater is discharged to the Macquarie River.

- Constructed: 1978
- Capacity: 120 kL/day
- Technology: Pasveer (Oxidation) Ditch and Lagoon
- Regulatory Level: Level 1 WWTP
- Treatment Level: Secondary
- Number of Customers: Approximately 170
- Volume of wastewater treated: Not measured

### **2. Western Junction Wastewater Treatment Plant:**

The Western Junction WWTP is located off Evandale Road approximately 1.2 kilometres north of Launceston Airport. The WWTP receives sewage from the industrial area of Western Junction and following treatment wastewater is discharged to an unnamed creek.

- Constructed: 1982
- Capacity: 100 kL/day (estimated)
- Technology: Lagoon
- Regulatory Level: Level 1 WWTP
- Treatment Level: Secondary
- Number of Customers: Approximately 70
- Volume of wastewater treated: Not measured

### **3. Bell Buoy Beach Wastewater Treatment Plant:**

The Bell Buoy Beach WWTP is located off Bell Buoy Beach Road approximately 6.8 kilometres north-east of George Town. The WWTP is not currently operational, it is anticipated that future development in the area will connect to the WWTP. The system is designed to provide recycled effluent to customers.

- Constructed: 2006
- Capacity: 57 kL/day
- Technology: Blivet
- Regulatory Level: Level 1 WWTP
- Treatment Level: Secondary
- Number of Customers: Currently zero
- Volume of wastewater treated: Currently zero

### **4. Kalangadoo Wastewater Treatment Plant:**

The Kalangadoo WWTP is located off Kalangadoo Road approximately 500 metres north of the Kalangadoo Road and Lake Leake Highway intersection. The WWTP receives sewage from the town and following treatment discharges to an absorption trench.

- Constructed: 1986
- Capacity: 30 kL/day (estimated)
- Technology: Lagoon

- Regulatory Level: Level 1 WWTP
- Treatment Level: Secondary
- Number of Customers: Approximately 40
- Volume of wastewater treated: Not measured

#### **5. Conara Wastewater Treatment Plant:**

The Conara WWTP is located approximately 600 metres north-west of the Conara Road and Midlands Highway intersection. The WWTP receives sewage from the town and following treatment discharges to a nearby drain.

- Constructed: 1968
- Capacity: 30 kL/day
- Technology: Imhoff Tank and Trickling Filter
- Regulatory Level: Level 1 WWTP
- Treatment Level: Secondary
- Number of Customers: Approximately 40
- Volume of wastewater treated: Not measured

#### **6. Ansons Bay No. 2 Wastewater Treatment Plant:**

The Ansons Bay No. 2 WWTP is located off Boronia Street near to the centre of the main town area. The WWTP receives sewage from the town and treated wastewater is released through ground infiltration and evaporation.

- Constructed: 2004
- Capacity: 25 kL/day
- Technology: Blivet
- Regulatory Level: Level 1 WWTP
- Treatment Level: Secondary
- Number of Customers: Approximately 60
- Volume of wastewater treated: Not measured

#### **7. Nile Wastewater Treatment Plant:**

The Nile WWTP is located off Nile Road approximately 600 metres south-west of the town. The WWTP receives sewage from the town and following treatment wastewater is discharged to an unnamed tributary of the Nile River.

- Constructed: 1992
- Capacity: 20 kL/day
- Technology: Lagoon
- Regulatory Level: Level 1 WWTP
- Treatment Level: Secondary
- Number of Customers: Approximately 30
- Volume of wastewater treated: Not measured

#### **8. Ansons Bay No. 1 Wastewater Treatment Plant:**

The Ansons Bay No. 1 WWTP is located at the end of Blue Gum Drive to the east of the main town area. The WWTP is made up of two septic tanks discharging into a Wisconsin Mound.

- Constructed: 2004
- Capacity: 4 kL/day
- Technology: Septic Tanks discharging to Wisconsin Mound
- Regulatory Level: Level 1 WWTP
- Treatment Level: Secondary
- Number of Customers: Approximately 10
- Volume of wastewater treated: Not measured