

# Lindenow

## Wastewater treatment system

## Background

Although the genesis of reticulated water services to Lindenow can be traced to an interest in forming a Lindenow Irrigation Trust during 1883, the Trust was not actually formed until 1889. It was soon to become the Bairnsdale Irrigation and Water Supply Trust (1890).

In terms of sewerage services to Lindenow, the Paynesville Sewerage Authority inaugurated on September 26, 1979, relatively soon afterwards became the Shire of Bairnsdale Sewerage Authority (incorporating Lindenow Water Trust and works), and in 1983 came under the umbrella of the Mitchell Water Board (first meeting July 1984).

Plans were made during 1980 to develop a sewerage scheme for Lindenow.

The sewerage scheme was linked to the needs of a sizable construction camp established near Lindenow - for the purpose of constructing a dam on the Mitchell River near Tabberabbera.

The dam was not built but by 1983 Lindenow's sewerage scheme was in operation.

## Sewer collection system

There are currently about 141 Lindenow system connections.

The Lindenow system collects sewage from Lindenow township via 150mm diameter gravity sewers. A 150 mm diameter outfall rising main enters the treatment lagoons located on EGW owned property along Racecourse Lane, adjacent to Browns Swamp. The Wastewater Treatment site includes two facultative lagoons (both subject to a biological treatment process), and a Maturation Lagoon.

Sewage entering Facultative Lagoon 1 subsequently flows by gravity to Facultative Lagoon 2. Sewage is treated for a minimum of 60 days before entering the Maturation Lagoon.

## Reclaimed water helps the environment

All treated reclaimed water gravitates to the Maturation Lagoon. From there, the high quality reclaimed water is directed to Browns Swamp wetland for environmentally beneficial purposes. Browns Swamp wetland has increasingly become a haven for a diverse range of plants and water birds. The guaranteed supply of high quality reclaimed water to the wetland helps ensure the long-term future of this valuable community asset.

## Laboratory testing

Testing is carried out by an independent National Association of Testing Authority (NATA) approved laboratory to ensure the site complies with Environment Protection Authority (EPA) licence standards.

## Some facts and figures

Average Daily Flow = 0.07 ML/day  
Raw Sewage B.O.D. = 250 mg/l  
Raw Sewage Suspended Solids = 230 mg/l  
Final Effluent Ave. B.O.D. = 11 mg/l  
Final Effluent Ave. Suspended Solids = 9 mg/l

## EPA effluent discharge licence

Maximum B.O.D. = 30 mg/l  
Maximum Suspended Solids = 20 mg/l  
B.O.D. = *Biological Oxygen Demand*  
ML/d = *megalitres per day*  
mg/l = *milligrams per litre*

## For further information:

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RWS3



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# → Lindenow wastewater treatment plant

Schematic diagram

EAST GIPPSLAND WATER

