

FACT SHEET



Lindenow treatment plant lagoon

Background

Development of the Lindenow Wastewater Treatment Plant began in 1980, with sewerage services coming in to operation in the town in 1983.

The Wastewater Treatment Plant treats sewage, or wastewater, from Lindenow. The treatment plant operates through a lagoon system, made up of two treatment lagoons and one winter storage lagoon. This system treats incoming wastewater from Lindenow to a standard that it can be put to beneficial reuse.

Wastewater collection

Sewage is collected via gravity sewers from the township of Lindenow and is pumped in to the first lagoon at the Lindenow Wastewater Treatment Plant. After wastewater enters the treatment plant, it undergoes a lagoon treatment process, following which it can be released for reuse.

Wastewater treatment

Once the sewage enters the treatment plant, it is fed to the first treatment lagoon, which is known as a facultative lagoon. Here, solids settle to the floor of the lagoon and are naturally digested and treated by microscopic organisms. Eventually the organic component of the solids is stabilised.

From the first facultative lagoon, the wastewater flows by gravity to a oxidation lagoon. Here, the wastewater is released to the final lagoon. From where the water can be beneficially reused.

Treated wastewater must be held in the winter storage lagoon for a minimum of 20 days to allow for disinfection to occur before it can be released for reuse.

Beneficial reuse

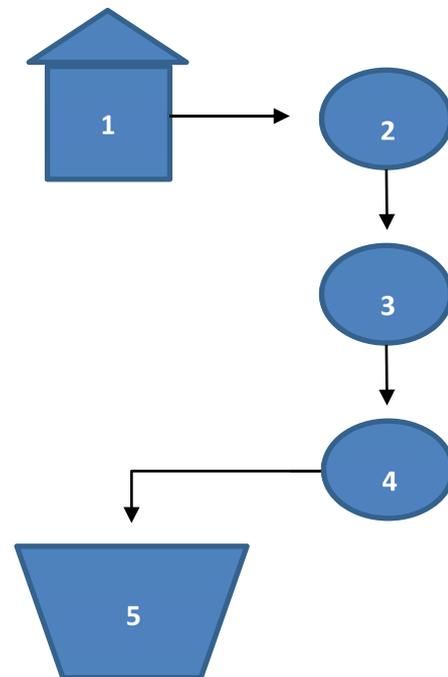
One hundred percent of the treated wastewater produced by the Lindenow Wastewater Treatment Plant is put to beneficial reuse.

All reclaimed water produced by the Lindenow Wastewater Treatment Plant is directed to the nearby Browns Swamp wetlands. Having a guaranteed supply of reclaimed water maintains the health of these wetlands, which have become a haven for a wide variety of birds. Providing treated wastewater to the Browns Swamp also ensures the long-term future of this community asset.

For more information-

Contact East Gippsland Water on 1800 671 841 or email egw@egwater.vic.gov.au

Alternatively, visit the Bairnsdale office at 133 Macleod street, Bairnsdale on weekdays during business hours.



Legend:

1. Wastewater from Lindenow
2. Faculative lagoon
3. Oxidation lagoon
4. Winter storage lagoon
5. Browns swamp