



# Energy from Waste – water use and wastewater treatment

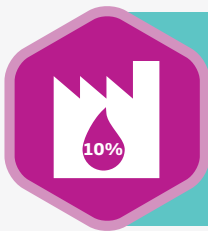
Update: 06/2021



Opal Australian Paper's Maryvale Mill has a number of water management systems in place to manage its water use and wastewater treatment responsibilities. The proposed Energy from Waste (EfW) plant's water requirements and wastewater treatment will be integrated into the existing Mill systems, with minimal impact on current operations.



## Water use



- When processing **650,000T/pa of waste** the EfW plant will use about **5-6 megalitres (ML)** of water each day, **less than 10 per cent of existing water use** at the Mill.



- The **majority** of this **water** use will be 'raw' or **untreated water** drawn **from the Moondarra Reservoir** (via Pine Gully Reservoir), which also supplies Maryvale Mill.



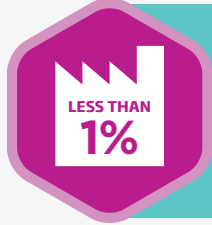
- **Gippsland Water** supplies the **Mill's drinking, or potable water**, and it is expected that the EfW plant will use the same source.



## Treating wastewater



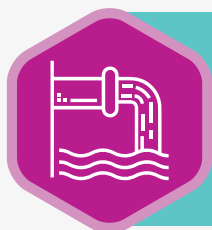
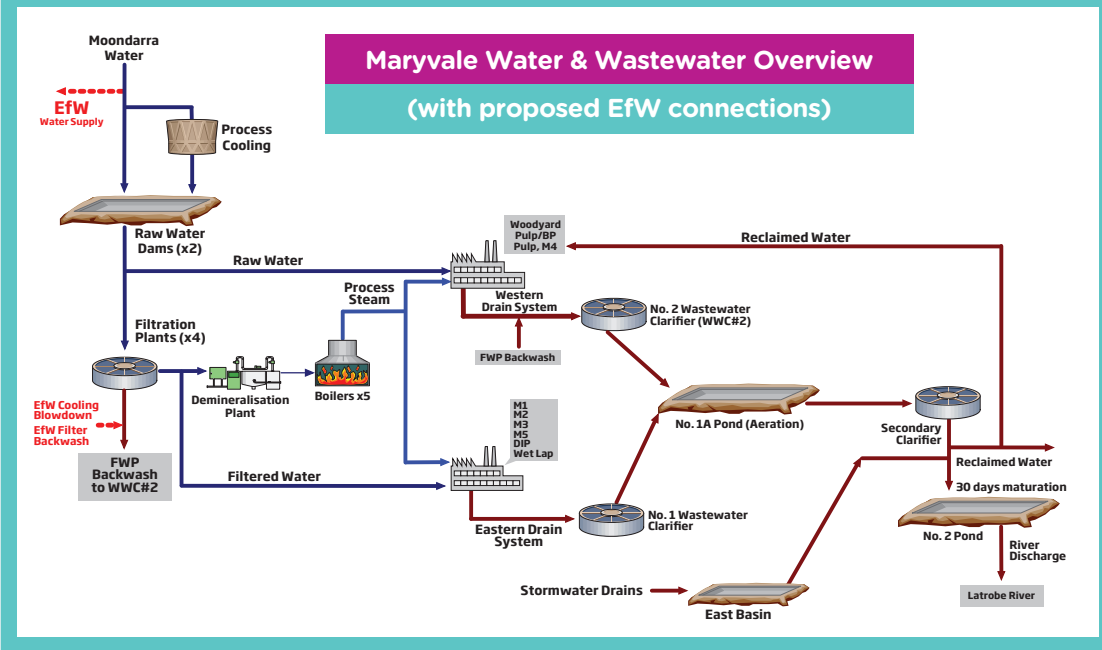
- The feasibility study found the Mill's existing wastewater treatment system will cope effectively with the EfW plant's minimal wastewater contribution.



- The projected flows and concentrations of wastewater from the EfW plant will be less than 1% of the existing Mill flows.



- Stormwater drainage will be collected in segregated drains throughout the EfW plant site. Clean stormwater would be discharged with the wastewater to a polishing pond for treatment before being released to the Latrobe River.



- Effluent from the demineralisation plant, as with the current operation, will be discharged via the trade waste system to the Gippsland Water Factory (GWF).