



Shoalhaven Paper Mill



Environment

OUR COMMITMENT: Australian Paper is committed to distributing and manufacturing communication papers, high performance packaging papers, and speciality papers in a manner that is economically, environmentally and socially sustainable and that meets customer quality needs.

ENVIRONMENTAL FACT SHEETS

For more information on the PaperlinX Group Environmental policy, please visit www.paperlinx.com.au to download the fact sheets

FIBRE RESOURCES

Australian Paper's fibrous raw material is sourced from sustainable-managed plantations and regrowth forests. The fibres are sourced from Local and International suppliers who practice sustainable management of forests in line with strict international standards. All suppliers operate under ISO 14001 or Forest Stewardship Council environmental systems and practices.

The 'Recycled Rescued Rubbish' primary school kit was developed with the aim of providing students with the knowledge to understand the importance and impact of actions in regard to waste minimisation and in particular the 3 R's – REDUCE, REUSE and RECYCLE. While aimed at students in Years 4, 5 and 6 it is easily adapted to earlier or later school levels.

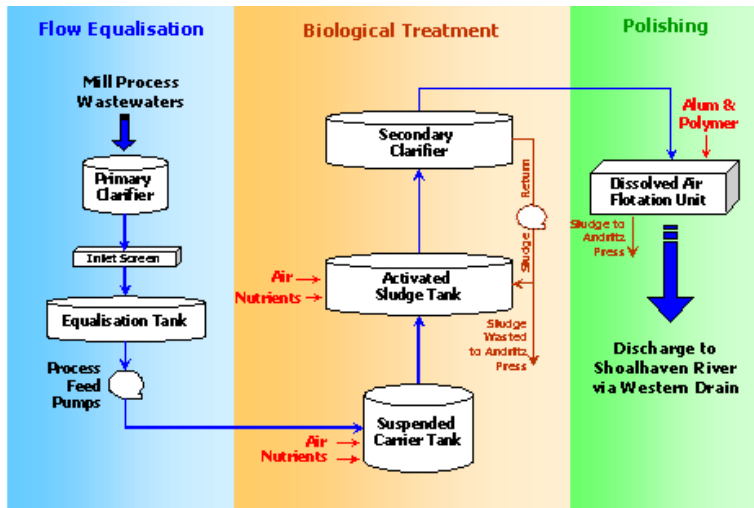


Effluent Treatment Plant

The Effluent Treatment Plant is designed to treat waste water generated in the Mill to a standard acceptable by the EPA for discharge to the Shoalhaven River.

The plant provides three basic treatment steps:

1. Flow Equalisation
2. Biological Treatment
3. Polishing



1. Flow Equalisation

The waste water is collected in a Flow Equalisation Tank which enables flow rate peaks and high pollutant peaks to be smoothed out prior to the biological process.

2. Biological

The waste water is treated biologically to remove the organic pollutants. In the biological process, special organisms are grown which absorb and remove the organic pollutants from the waste water. The biological treatment process is in three tanks in series:

Suspended Carrier Tank

In the first tank, organisms are grown on the inside of special plastic rings. This tank performs most of the treatment. The organisms appear as a thin brown film on the rings.

Activated Sludge Tank

In the second tank organisms which are suspended in the tank perform the rest of the treatment. The organisms are very small and appear as a fine brown sludge (called Activated Sludge) in the tank.

Secondary Clarifier

The third tank is a clarifier in which the suspended organisms are separated from the treated effluent by settling. The settled organisms are pumped back to the second tank to keep them in the system.

3. Polishing

The treated effluent from the clarifier is further treated by flocculation with chemicals followed by Dissolved Air Flotation. This step polishes the effluent before discharge to the river.

