

OUR MILL | OUR FUTURE | OUR CHOICE
INSPIRE INNOVATE COOPERATE



Norske Skog
Boyer

Impressions of Boyer



statistics

Boyer Site	615ha
Mill Area	50 ha
Water Consumption	35 megalitres per day
Electricity Consumption	95 megawatts average load
Boiler Fuel	95 000 tonnes coal per annum
Steam Plant Capacity	90 tonnes per hour
Annual Production Capacity	295,000 tonnes

PAPER MACHINES	PM2	PM3
Width m (trim)	5.9	6.6
Speed m/min	1050	1150
Nominal tonnes/day	340	430

TYPICAL FINISHED PRODUCT CONSISTS OF:	
Pine Thermomechanical Pulp (TMP)	81%
Purchased Pulp	6%
Clay Filler	4%
Moisture	9%

PRODUCTS	
Directory	36.6gsm
News	42; 45; 48.8gsm
Norbright	48.8; 52; 55; 60gsm
Norstar	48.8; 52; 55gsm
Norstar 80	55; 60; 65gsm

These pages are printed on Tasmanian-produced paper using vegetable-based inks.

Norske Skog Boyer Mill

Our Mill

Norske Skog Boyer is situated alongside the Derwent River, 36km from Hobart and slightly downstream of the township of New Norfolk. The Mill has been a part of the Norske Skog global group since 2000.

The Mill produced Australia's first newsprint on 22 February 1941 and has been operating continuously for nearly 70 years. In July 2008 the 11 millionth actual tonne was produced. Building value through innovation, product development, research, technical support, efficient resource utilisation and long-term mutually beneficial relationships with customers and other stakeholders has been fundamental to this longevity.

Norske Skog Boyer has two paper machines and produces a range of paper grades, including newsprint and uncoated, high brightness specialty grades suitable for offset colour printing. Annual production represents nearly 40% of the newsprint and related grades used in Australia each year. Our products come into your homes as newspapers from all the major publishers and advertising catalogues.

The Mill is a significant contributor to the Tasmanian and Australian economies. The contribution from Boyer's activities to Tasmania's GSP is around \$390 million and the employment effect is 926 jobs. The Mill is a major customer for Tasmania's electricity, coal and plantation softwood.

Boyer Mill is also a major customer of the Tasmanian rail and road network and for Bass Strait shipping. Each year the mill transports over 1,000,000 tonnes of finished product and raw materials.

Investing in Our Future – The Strategy

- Since 2006, the Boyer Mill has undertaken three major capital projects designed to improve operating and environmental performance and enhance product quality:
- High consistency bleach plant (HCPB) \$6.5 million
- Secondary effluent treatment plant (SETP) \$13.5 million
- Softwood conversion project (SWC) – Woodmill and TMP pulping \$50 million.

The HCPB enables more efficient bleaching and higher brightness capability for the production of hi-white paper grades - extending the newsprint market to a wider range of products.

The secondary effluent treatment plant was commissioned in 2007. Secondary treatment involves the acceleration of natural microbiological processes in a bio-reactor to remove dissolved organic material from the effluent.

As a result of these and other changes, the total organic loading to the Derwent River - an important measure of effluent quality - has reduced by 80%; and the Mill's water use has been further reduced - now down by over 60% since 1985.

The Softwood Conversion project involves the conversion of the historical re-growth eucalypt hardwood Cold Caustic Soda (CCS) pulping process to a softwood Thermo Mechanical Pulp (TMP) pulping plant. This changes Boyer's virgin fibre input to 100% plantation softwood. A new Woodmill, built in partnership with BIS Logistics, allows

for the retirement of two existing chipping operations, and for the additional capacity needed for the new pulp plant. This was an innovative conversion of existing facilities and a project characterised by the high level of key stakeholder involvement and support for the initiative.

The project not only "simplifies" the paper making process, but also delivers a step change improvement for environmental capability that will enable the Mill to achieve Best Available Technology (BAT) performance levels. BAT within Norske Skog is indicated by a range of aspirational targets that give a framework and direction to our activities and environmental responsibilities.

Our Choice

The wellbeing of others underpins everything we do at the Boyer Mill.

In 2008 this was recognised through receiving the State Government Minister's Award for Excellence in Safety; and in 2009 achieving five years without a lost time injury against the Australian Standard.

The Mill is a significant supporter of cultural, education and sporting activities; in particular supporting opportunities and pursuits that help acquire knowledge, build skills and support the goals and aspirations of young people.

A very active volunteer team assists with Mill social activities and fundraising for people and groups in need in the community.

Our neighbours and the local and extended community are very important to us, and are integral to delivering and achieving our environmental, corporate and social responsibilities. We pride ourselves on our relationships and commitment to each other as an extended family and to our wider stakeholder network.

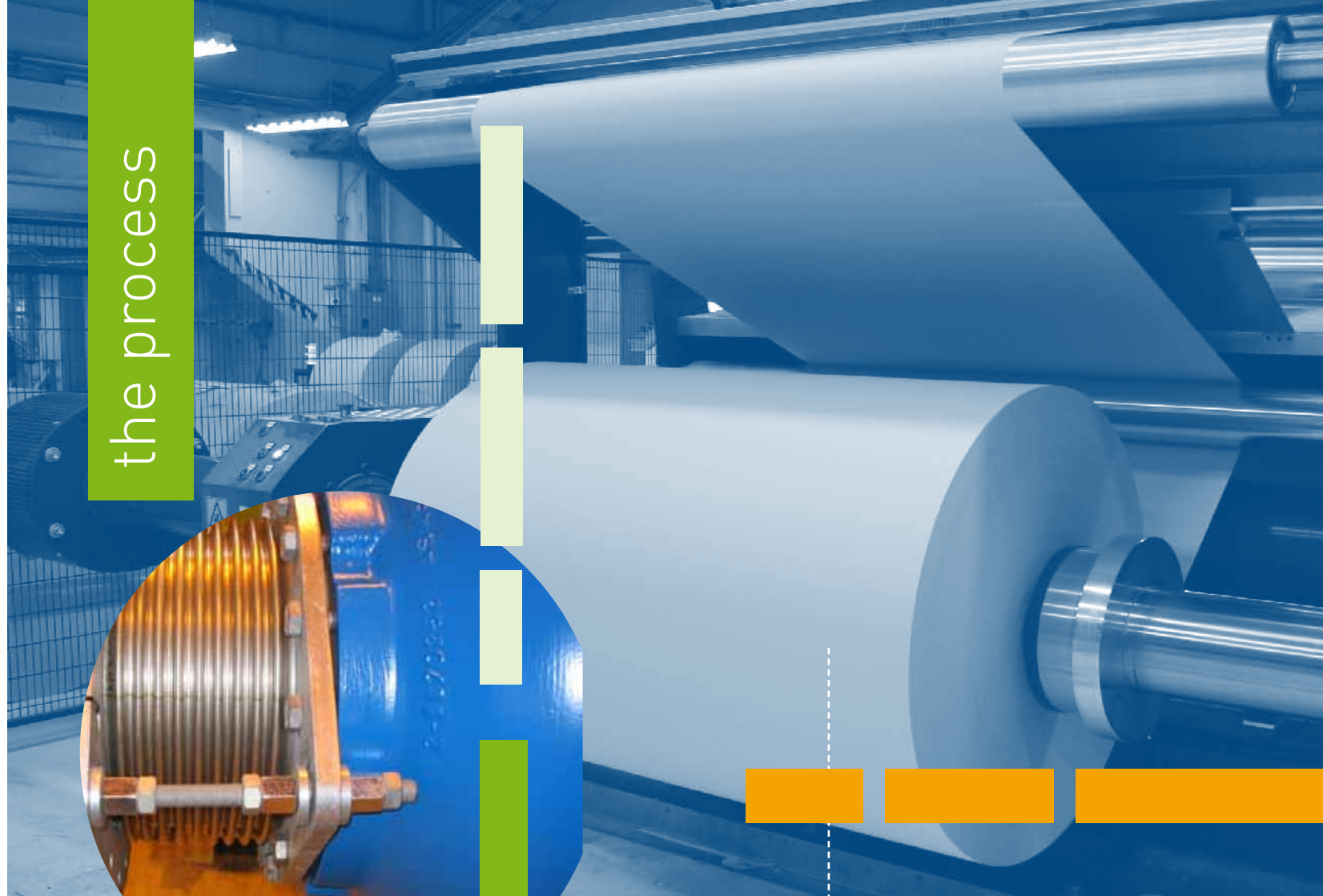
Transparency and traceability are also important for the way we work; and result from our priority for open, honest and cooperative behaviour in all that we do. Our management systems for Safety, Environment and Quality are accredited to international standards, as are our forest practices and Chain of Custody systems for fibre to finished product.

Globally, the newsprint industry has entered another period of structural change; this time brought about by changes in readership, and the expectations and demands for advertising. To remain viable and to offer a competitive product in a global commodities market, the Boyer Mill has evolved and faced challenges in tandem with the development phases of the Newsprint Industry in Australia - from pioneering to rapid expansion and meeting market demand - to becoming leaner and smarter through a skilled and responsive workforce; and with technological and capital investment.

Through all this, the response has been framed by innovation, inspiration and cooperation. This has created and sustained its reliability and quality over the Mill's lifetime and will continue to do so into the future.

This booklet "Impressions of Boyer" illustrates many of the aspects we engage in through our daily work related experiences.

Thank you for your interest in the Boyer Mill.





the product





our mill





our future

continuous improvement strategy



