



Brickwood Holdings Pty Ltd
Australian Packaging Covenant
Action Plan 2011 - 2016

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Brickwood Holdings Company Statement

As a leading Australian supplier of plastic products, including pallets, bins, bottles and closures, Brickwood Holdings Pty Ltd is committed to integrating sustainable development into its business decisions. As part of this, Brickwood Holdings strives at all times to be an environmentally responsible manufacturer, employer and neighbour.

The Australian Packaging Covenant Action Plan is a key element in guiding decision-making and activity at Brickwood Holdings relating to ongoing improvements in the company's environmental performance. This Action Plan explicitly sets out the key actions and performance measures that Brickwood Holdings is committed to achieving over the period from 2011 to 2016.

An important component of this Action Plan is the Sustainable Packaging Assessment (SPG) of a majority of Brickwood's products, to be undertaken by 2013. This key environmental initiative is expected to result in significant benefits, both environmentally and financially. Completion of actions under past Action Plans has resulted in increased environmental performance of Brickwood's packaging products.

Throughout its history, Brickwood Holdings has consistently maintained a progressive, market-leading approach to the environmental aspects of its operations. We look forward to the challenges and transformation that our commitment to the Australian Packaging Covenant will bring.



Brendon Chandulal
General Manager
Brickwood Holdings

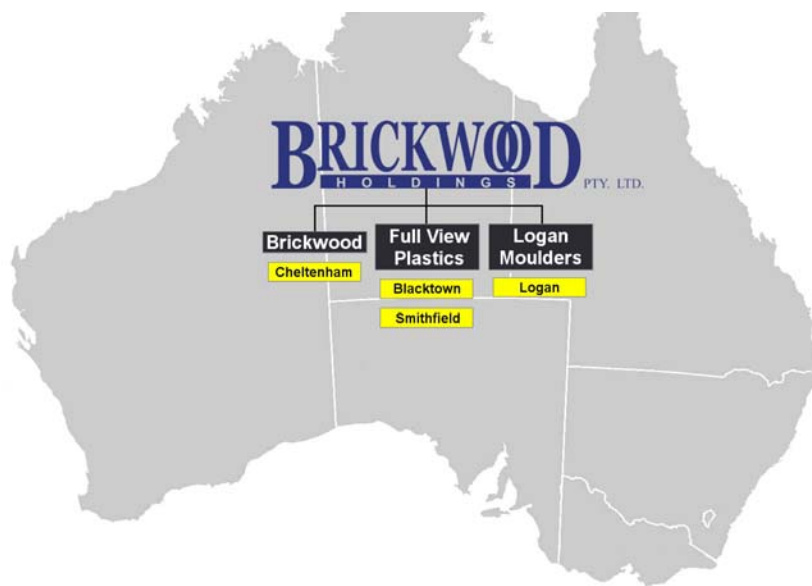
Brickwood Holdings Company Profile

Brickwood Holdings is a leading manufacturer of plastic packaging products specialising in the blow moulding of plastic containers and closures, primarily for the beverage industry (principally dairy and fruit juice fillers). Other plastic products manufactured by Brickwood include:

- Material Handling Pallets
- Mobile garbage bins and crates made from post-consumer plastic recyclate
- Food grade plastic crates for fruit and vegetable growers and processors.

Brickwood Holdings is also the parent company of two associated companies, Full View Plastics and Logan Moulders. This Action Plan covers Brickwood Holdings and both associated companies.

Brickwood Holdings operate facilities across 4 sites in Australia.



Brickwood Holdings is also a market leader in the manufacture of products using HDPE PCR (Post Consumer Recyclate), including bins that can be used for kerbside garbage collection, crates, and pallets used for transportation of goods.

Material types used by Brickwood in packaging manufacture include:

- Polyethylene Terephthalate (PET)
- High Density Polyethylene (HDPE)
- Polypropylene (PP)
- High Impact Polystyrene (HIPS)

Place in the Packaging Supply Chain

Brickwood Holdings and all its subsidiaries are classified as packaging manufacturers.

APC Contact Officer

For further information about Brickwood's Australian Packaging Covenant activities, contact:

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Australian Packaging Covenant Action Plan

APC Goal 1 - Design: Optimise packaging to use resources efficiently and reduce environmental impact without compromising product quality and safety.						
	Action	Target	Timing	Measurement	Baseline	Responsibility
1	Conduct packaging assessments on new and existing packaging manufactured, in accordance with the Sustainable Packaging Guidelines (SPG).	Review the majority of existing packaging and 100% of new packaging produced at manufacturing sites against the SPG.	2013	Number of Assessments added to the Sustainable Packaging Database.	Database for storing assessments has been identified. No products have currently been assessed.	Environmental Services Manager
2	New packaging developed in accordance with the 12 Sustainable Packaging Guidelines	Incorporate the SPG into the company's new product development processes.	2012	SPG incorporated into the new product development process hosted on Salesforce (database used by sales team).	New product development process is not currently standardised across the business.	Environmental Services Manager
3	Determine the life cycle impacts of packaging manufactured	Conduct at least 5 LCAs or PIQETs on our packaging products per year.	2016	Number of LCAs or PIQETs performed on our packaging per year.	LCA and PIQET assessments have been conducted over the last few years.	Environmental Services Manager
4	Incorporate life cycle considerations / SPG design principles into the packaging design process.	Key designers to be trained in using PIQET and the SPG.	2013	Number of designers trained or refresher trained in PIQET.	Key designers have been trained in PIQET, but yet to be informed on SPG design principles.	GM Innovation
5	Report on changes in design, manufacture, marketing and distribution that modify the environmental impacts of our packaging, in line with the SPG.	Rank products according to a ranking system. Update packaging changes in the sustainable packaging database.	2014	Increase in the percentage of high ranking products on the ranking system.	Ranking and recording system has been developed. No products are currently assessed.	Environmental Services Manager

	Action	Target	Timing	Measurement	Baseline	Responsibility
6	Maintain and improve ISO1400 compliant Environmental Management System (EMS).	Improve sites' EMS scores.	Ongoing	Collated EMS scores.	Year on year improvement on previous years' scores.	Environmental Services Manager
7	Reduce energy and water usage and waste generated at sites. Report environmental data in APC Annual Report.	Reduction in energy, water, and waste. Report energy, water, waste and on site recycling rate.	2012	Environmental data per tonne of packaging produced.	Data collection systems are in place for all but energy. Data is currently reported in Sustainability and NGERs reports.	Environmental Services Manager
8	Ensure resources are efficiently used while maintaining pack functionality.	Identify and investigate packs that can be light weighted, downgaged or replaced by lighter materials. Record opportunities on database for storing SPG assessments.	2016	Number of packs identified as potential candidates for light weighting, downgaging or material replacement through SPG, LCA and PIQET packaging assessments.	Light weighting, downgaging and material replacement are currently conducted regularly across the business.	Environmental Services Manager

APC Goal 2 - Recycling: Efficiently collect and recycle packaging.						
	Action	Target	Timing	Measurement	Baseline	Responsibility
9	Recycle cardboard, plastic, paper and recyclable containers generated on-site.	Programs in place at all sites.	2012	On-site recycling to be monitored through EMS audit process annually.	Currently all sites have on site recycling systems.	Environmental Services Manager
10	Identify and investigate non-recyclable packs through SPG assessments.	Ensure that all packaging manufactured is fully recyclable through Australian kerbside recycling services.	2015	Number of packs identified as non-recyclable through packaging assessments. The number of products investigated for recyclability improvements.	100% of packaging manufactured is fully recyclable through Australian kerbside services.	Environmental Services Manager

Action		Target	Timing	Measurement	Baseline	Responsibility
11	Implement buy recycled policies.	All sites will have a buy recycled policy for office stationery.	2013	Number of sites with buy recycled policy for office stationery.	Although some sites have taken the initiative to do this, there is currently no policy in place.	Environmental Services Manager
12	Secure external supply of post consumer recycle (PCR) and report on incorporation.	Purchase externally produced PCR and incorporate into packaging produced.	Ongoing	Total kg of external PCR bought and used in packaging manufactured across all sites	No externally produced PCR is currently purchased.	GM Procurement

APC Goal 3 - Product Stewardship: Demonstrated commitment to product stewardship by the supply chain and other signatories.						
Action		Target	Timing	Measurement	Baseline	Responsibility
13	To increase the use of SustainaPac and the number of programs run throughout the business.	Engage SustainaPac, a sustainable packaging consulting group that provides sustainable packaging guidance.	2016	The completion of action plan activities and increasing the number of actions over the next five years.	The SustainaPac team is responsible for facilitating the achievement of APC actions for the business.	GM Sustainability Services
14	Assist customers in publishing credible environmental information about their packaging products	Review customer statements / claims through SPG and LCA Assessments	2012	Number of packs identified as having accurate consumer information through packaging assessments. The number of customers approached offering sustainability services.	Currently offer on-pack claims review services for customers, however, the uptake of this service is low. This service is currently offered and taken up on an ad-hoc basis where funding permits.	Environmental Services Manager
15	Incorporate sustainability considerations into the customer engagement process.	Engage Inpact Innovation, an innovation agency who will engage customers in innovation projects.	2013	Number of innovation projects run for customers. Sustainability personal are present at most innovation projects.	No current innovation projects have been completed.	GM Innovation

Action		Target	Timing	Measurement	Baseline	Responsibility
16	Identify litter prone products and identify solutions.	Identify and reduce the number of packs produced with litter prone designs.	2013	Number of packs identified as being a litter risk. Number of customers assisted with reducing litter risk.	Current understanding of how packs are used by customers is not centrally collated.	Environmental Services Manager
17	Introduce education program for staff in environmental management and sustainability.	Conduct awareness weeks 3 times a year	Ongoing	Number of awareness weeks conducted.	Currently no staff education programs are in place.	Environmental Services Manager
18	Source raw materials from local sources to reduce freight and carbon emissions.	Reduce imports of preforms and convert to local manufacture. Improve distribution channels and reduce double-handling of raw materials.	2016	Volume of performs/materials imported vs. locally sourced.	This investigation has been ongoing but has not previously been documented.	GM Procurement
19	Participate in research and development into improving the environmental performance of packaging and involvement in trials as appropriate.	Stay abreast of new manufacturing and packaging technology, and improvements in renewable and alternative material technologies.	In-place & Ongoing	Number meetings and conferences attended. Number of publications subscribed to. Number of technology applications investigated.	This investigation has been previously ongoing but has not been documented.	GM Innovation Technology
20	Review freight and distribution packaging and implement changes to reduce material usage and improve recyclability and recycled content.	Changes made that improve environmental performance of distribution packaging (quantified if possible).	In-place & Ongoing	Increase in the use of slip sheets and drop boxes to replace bulkier/heavier pallets. Note - program almost at saturation process.	3,500 fleet of drop boxes.	Environmental Services Manager

	Action	Target	Timing	Measurement	Baseline	Responsibility
21	Promote the usage of reusable freight packaging wherever possible (e.g. Orbis Drop Box).	Promote Orbis Drop Box to customers.	In-place & Ongoing	Number of customers using Orbis Drop Box.	Program in place.	Environmental Services Manager
22	Seek project partners and funding for Brickwood's initiative to increase recycling services for the commercial sector, specifically cafes and restaurants, where a significant amount of Brickwood's packaging is consumed.	Approach partners and sources of funding.	In-place & Ongoing	Partnership or funding arrangement reached to collect commercial recyclable product.	Applications for funding were made but no approved proposals have been confirmed.	Environmental Services Manager
23	Recover and re-use damaged Brickwood products such as plastic pallets and Orbis Drop Boxes.	Report annually on quantity of products	In-place & Ongoing	Recovery tonnage increase	13 tonne of customer pallets were granulated and reused to manufacture new pallets in 09/10; however there was an increase in pallet care and repair which reduced demand.	Environmental Services Manager