



National Packaging
Covenant

Action Plan Report
2008





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Executive Summary

Golden Circle manufactures over 500 products including shelf stable fruit and vegetables (in cans and glass jars), fruit juices, fruit drinks, cordials, soft drinks, jams, and baby food. Golden Circle is well known as a tropical fruit specialist, especially pineapple, although pineapple now only accounts for 20% of our product range. Products are packaged predominantly in steel cans, glass, aluminium, PET, HDPE and liquid paperboard. The Company employs a large number of people from many different professional, technical, administrative and processing areas and is one of the top ten food brands in Australia. Due to the seasonal nature of the business, the total number of employees varies between 700 and 1500 people.

Golden Circle is committed to the principles of the National Packaging Covenant (NPC) and as such, has prepared this Action Plan Report for 2007-08 as an indication of the Company's continuation of efforts to reduce the volume of packaging material used in production, and reduce the amount of post-consumer materials sent to landfill. This report also includes key performance indicator and related information from the Original Juice Company to ensure that the entire Golden Circle company is accounted for with regards to packaging waste reduction efforts.

Some of the key results in this action plan report are the reduction in general waste to landfill from 8.9% to 7.9% of waste generated, the overall reduction of waste generated by a huge 33% and the improvement in product to packaging ratio at The Original Juice Company of 16.79:1 to 18.68:1.

Golden Circle, Northgate underwent significant restructuring during 2007 which has resulted in a greatly improved financial performance for the 2007/2008 financial year. Golden Circle also moved to a more flexible business structure by listing its shares on the National Stock Exchange on 19th March 2008. These events continue to impact on some key projects as was reported last year and as detailed later in this report.

This is the last report to be submitted on the current Action Plan and as has been discussed, the company restructuring during the second half of the action plan period has significantly affected a number of packaging related projects. It is hoped that the improved company performance will bring more stability and realise more improvements in packaging of Golden Circle owned branded products during the next action plan period.

Golden Circle - Background

Golden Circle began on a 16.5 ha site on Brisbane's outskirts at Northgate in 1946, with the factory opening in 1947. Over 900 Queensland farmers purchased shares in the form of Certificates of Subscription, and the former Committee of Direction of Fruit Marketing backed the project. Although canned pineapple and jams were the main products, new product lines were rapidly added, and exports to the UK, Canada and New Zealand assumed considerable importance in the early years.



Golden Circle's main factory is still located at Northgate, a northern suburb of Brisbane. Golden Circle also owns the Original Juice Co. plant at Mill Park, on Melbourne's northern outskirts. Sales offices are located in every Australian state and New Zealand.

Golden Circle, a former grower co-operative, has recently become a listed company on the National Stock Exchange allowing the 850 grower shareholders to trade their shares on an open market. These farmers, plus others, supply more than 180,000 tonnes of fruit and vegetables every year to the factory for processing. The fruit crops, of which pineapple is the largest, come from the Sunshine Coast hinterland, Maryborough, Yeppoon and further north and the vegetables largely from the Lockyer Valley region, south-west of Brisbane. Crops not grown in Queensland are sourced from southern states.

Since it became a signatory of the National Packaging Covenant (NPC) in 2000, Golden Circle has invested in innovative and new technology including:

- State of the art pineapple processing technology
- A modern \$7 million can supply system has been installed
- Installation of a computerised inventory management system
- World's largest steam peeler and new beetroot processing lines installed
- A computerised inventory management system
- A \$20m food hall enabling a move into more innovative packaging and development of products such as baby food.
- A modern Tetra Pak plant that produces more than 40 million litres (16 Olympic-sized swimming pools) of fruit juices and drinks every year

The Golden Circle brand is among the top 15 on Australia's supermarket shelves and is one of the most recognized Australian-owned companies. The Company has been a significant contributor to the social and economic fabric of Australia for the past five decades. Since its beginning, the brand has been synonymous with providing families with high quality, value-for-money products. Golden Circle continues to support the lifestyle of Australian families with innovative beverages, meals and snacks.

Golden Circle's place in the packaging chain is as packaging filler. Our packaging suppliers are numerous and include other NPC signatories such as Amcor (beverage cans and cartonboard), Visy, Tetra Pak and VIP. Golden Circle customers are predominantly the major supermarket chains.

The major brands owned by Golden Circle are:

Golden Circle
Popper
Adams Ale
Original Juice
Juiceman
Orchard Ave



Golden Circle and the Environment

Golden Circle operates an Environmental Management System and is working towards accreditation under ISO14001. Golden Circle is committed to environmentally sound practices and has many projects aimed at reducing water through mandated water efficiency management plans (WEMP), waste through recycling and energy via ecoefficiency projects.

The four key focus area of environmental sustainability for Golden Circle are:

Environmental Compliance:

Ensuring that Golden Circle is compliant with all environmental legislation at Federal, State and Local Government levels

Water:

Golden Circle is continually striving to be a world's best practice leader and is committed to meeting the current water restrictions that exist in South East Queensland. This has been demonstrated in the past by posting a 15% reduction in water usage to financial year ending 2005, when compared to the same period in 2004, which satisfied the requirements of Level 2 water restrictions. To meet Level 6 water restrictions Golden Circle had reduced water usage by a further 21% from financial year 2005 to end of this reporting period (fy 07/08). Golden Circle are still addressing technical issues with the newly installed tertiary treatment plant which, when operational, will enable the recycling of the wastewater it generates to a standard that will allow use for non-food contact applications throughout the site, thereby reducing the water used by the Company even further.

Energy:

In response to new reporting regulations leading to the introduction of the carbon pollution reduction scheme in 2010, Golden Circle has embarked on a program to reduce greenhouse gas emissions. A carbon footprint of the entire company was completed in July 2008 which has highlighted areas that will be targeted for reduction of greenhouse gas emissions.

Waste and Waste Handling:

Solid waste recycling is paramount at Golden Circle's operating facilities. Golden Circle was required to find new markets for some of it's large solid waste streams during 07/08 which resulted in an increase in quantity going to landfill. New markets for these streams have since been found and the waste is now recycled. The colour coded waste collection system has been expanded across the site resulting in even more recyclable material being diverted from landfill. Innovative uses of the solid waste generated from the fruit and vegetable waste streams include compost for pineapple (and other) farmers and as a nutritious animal feedstuff. Even the solid waste that is sent to landfill is itself used as an energy source for a neighbouring power station.

Grower Activities:

Golden Circle, in collaborative projects with the EPA, is funding research into developing the most sustainable methods of horticulture with our grower shareholders to minimise soil erosion and unnecessary pesticide and fertilizer applications. One of the key outcomes of this research is the development of an Environmental Management System



specifically tailored for use on farms. This integrated environmental management system together with the Best Practice Manual for Pineapple Growers' is now available on the Golden Circle website. The project was selected as a finalist in the QLD EPA Sustainable Industries Awards 2007 in the Rural Sustainability category.

Golden Circle Environmental Policy Statement

Golden Circle Limited is committed to managing its operations in an environmentally responsible manner at all times and at all manufacturing facilities throughout Australia.

To ensure that this objective is achieved, Golden Circle will:

1. Ensure that all aspects of its operations comply with the relevant environmental legislation, regulations and license conditions
2. Strive for continuous improvement in environmental performance through the application of the Golden Circle Environmental Management System
3. Adopt and implement principles of eco-efficiency in its operations
4. Provide appropriate information, communication and training to build employee understanding of the Company's commitment to the environment.

All Golden Circle employees are required to comply with the policy and play their part in protecting the environment.

Golden Circle and the National Packaging Covenant

Golden Circle's mission objective is to be a world competitive market-driven company, servicing our customers' needs with high quality value-for-money products, while having regard to shareholders' interests and ensuring satisfactory financial performance. The National Packaging Covenant (NPC) is recognized by Senior Management at Golden Circle as a systematic approach to conserving packaging materials. By meeting its NPC packaging objectives, Golden Circle will play an increasingly active role in the reduction of waste material to landfill.

Golden Circle recognises that for its NPC Action Plan to be an effective method of reducing packaging waste, it requires the involvement of a number of different organizations. Golden Circle has therefore involved its primary and secondary packaging manufacturers and suppliers in its Action Plan to achieve the best result. Also, as members of the Australian Industry Group and the Packaging Stewardship Forum, Golden Circle will assist in the broader aspects of these groups respective Action Plans. The Packaging Stewardship Forum operates under the Australian Food & Grocery Council, which Golden Circle is also a member of.

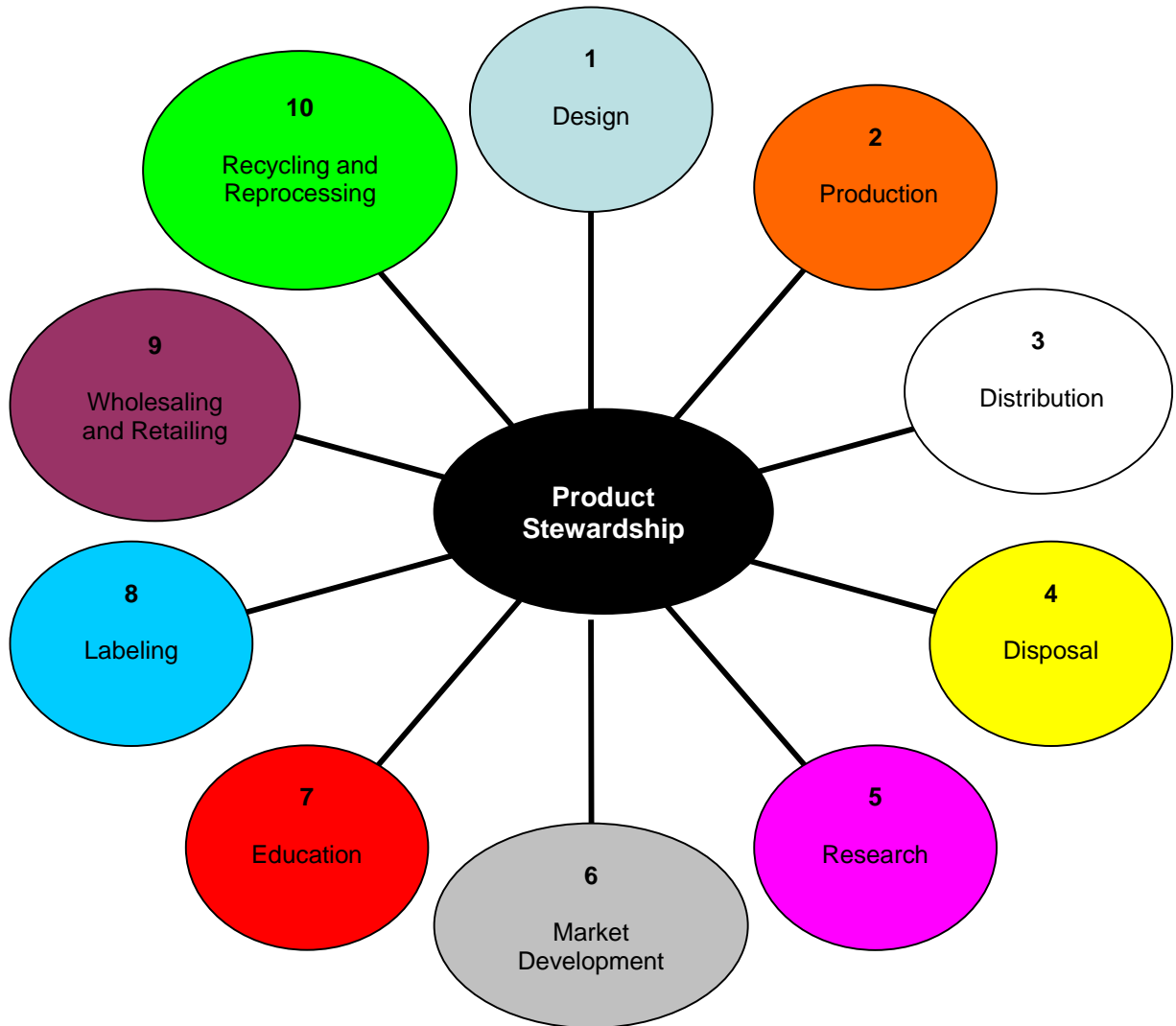
The Golden Circle NPC Action Plan covers steel can, glass, liquid paperboard, PET, PVC and polypropylene *primary* packaging; and, cardboard and LDPE *secondary* packaging.

The nominated person responsible for Golden Circle's National Packaging Covenant Action Plan is Mr. Jason Carter, Environmental Manager. Mr. Carter can be contacted on (07) 3266 0000



Product Stewardship

The Covenant is based on the principle of product stewardship. Golden Circle Limited has taken action since its inception as a signatory to the Covenant in all of the relevant areas as outlined by the Covenant. These areas are divided into ten sections as follows:



The following table demonstrates the commitment that Golden Circle Limited has to the principles of the Covenant and outlines the progress made by the Company in all of the areas under the Product Stewardship principles. For progress made prior to NPC Mk II where it has not be included in the table below, please see the relevant Golden Circle action plan reports, available from the NPC website.



Item	Commitment Made	Action Plan (2006 – 2008)	Action Plan Report 2006	Action Plan Report 2007	Action Plan Report 2008
<p>Design</p> <p>Action 1.1</p>	<p>Incorporate NPC considerations into new product development and review existing products to ensure that products do not contravene National Packaging Covenant requirements for the Company</p>	<p>Incorporate National Packaging Covenant considerations into new product development process</p> <p>Training of all existing staff related to new product development - and new staff as they arrive – to ensure they understand Golden Circle's NPC commitments.</p> <p>Develop method of keeping relevant employees up to date on any NPC developments</p>	<p>Golden Circle has created a New Product Development (NPD) Team which is comprised of a cross-functional team base. The Environmental Code of Practice for Packaging (ECoPP) is fundamental to this new team which will use it as a template for the design of packaging for new products. See KPI #22 for further information on the progress of the Company's adoption of ECoPP.</p> <p>The ECoPP is available to all employees for viewing on Golden Circle's intranet – see Action 7.1 for more details. Presentations have been given to various parties internally and externally on Golden Circle's involvement in the NPC. The NPC website, the last two Golden Circle NPC reports and the</p>	<p>During 2007, an Innovations Team was formed to work on new product development and related issues. This team is responsible for implementation of the Environmental Code of Practice for Packaging (ECoPP) for new products. See KPI #22 for further information on the progress of the Company's adoption of ECoPP.</p> <p>The ECoPP is available to all employees for viewing on Golden Circle's intranet – see Action 7.1 for more details. Presentations have been given to various parties internally and externally on Golden Circle's involvement in the NPC. The NPC website, the last two Golden Circle NPC reports and the Environmental Code of Practice for Packaging are now all available to staff via the "Environment Guide for Golden Circle Employees", which is available on Golden Circle's email system – see Action 7.1 for further details</p>	<p>Significant staff restructuring during 2007/08 had resulted in the disbanding of the NPC committee however the ECoPP checklist has still been in use by the Innovations Team. Golden Circle has recently appointed a dedicated packaging manager to the Innovations Team and further stability within the company will see the NPC committee re-form early in 2009. Due to the company being in 'turnaround mode' during 07/08 there has been no new product launches of which to demonstrate the use of the ECoPP.</p>



Item	Commitment Made	Action Plan (2006 – 2008)	Action Plan Report 2006	Action Plan Report 2007	Action Plan Report 2008
			<p>Environmental Code of Practice for Packaging are now all available to staff via the “Environment Guide for Golden Circle Employees”, which is available on Golden Circle’s email system – see Action 7.1 for further details</p> <p>The National Packaging Covenant Committee was formulated last year and is comprised of a cross-functional team base consisting of representation from the marketing, supply, new product development (NPD), packaging and environment departments. The Committee covers all aspects of NPC commitments including the integration of the ECoPP into NPD strategies</p>	<p>The NPC Committee has gone through substantial changes over 2007 due to the Company restructure that has occurred. As a result, the Packaging Department has now merged with the Innovations Department (formerly new product development). Changing NPC Committee personnel has resulted in a more difficult communication strategy than previous years. Nevertheless, NPC Committee members and Golden Circle staff have been kept up to date with NPC issues and related award wins through the internal publication – the Pine Times as well as through the Company intranet.</p>	



Item	Commitment Made	Action Plan (2006 – 2008)	Action Plan Report (2006)	Action Plan Report (2007)	Action Plan Report 2008
Design Action 1.2	Liase with primary packaging suppliers to reduce the total weight of packaging per production unit.	<p>Light-weighting of primary packaging material</p> <p>Use of new caps for PET products that will not require an induction seal</p> <p>Investigating the reduction of lacquer that is applied to product caps</p>	<p>The progress made in these areas can be viewed on the Action Plan Reports of Tetra Pak, ACI Glass and Amcor (beverage cans and cartonboard). One example is the new polypropylene bottle supplied by Visy which is 2g less than its predecessor. The changeover was made in September 2006 and will result in polypropylene reductions of 23 tonnes over 12 months</p> <p>During 2006, Visy commenced the supply of new caps for all PET products. These caps do not need an induction seal or white layer pad on the bottom. Traditionally, the caps were comprised of composite materials but the new polypropylene shell with PET foam will ensure the packaging material in these caps are reduced considerably and are more recyclable than previously.</p>	<p>The progress made in these areas can be viewed on the Action Plan Reports of Tetra Pak, Visy and Amcor (beverage cans and cartonboard).</p> <p>Due to Company restructure this project was not progressed during 2007. Upon recruitment of a new Packaging Manager, this project will be recommenced.</p> <p>This project has been completed.</p>	These projects have not progressed in 2008.



Item	Commitment Made	Action Plan (2006 – 2008)	Action Plan Report (2006)	Action Plan Report (2007)	Action Plan Report 2008
		<p>Investigate alternative transport packaging methods for primary packaging materials</p> <p>Investigations into the use of recyclable labels from suppliers used for print and apply onto shrink and stretch plastic. This will increase the recyclability of LDPE onsite</p> <p>Downgaging of caps on 1.5 L PET carbonated soft</p>	<p>The volume of material reduced as a result of this action will be reported in the NPC Action Plan Report for 2007.</p> <p>New caps have now arrived for baby food with less lacquer than previously, which will decrease the overall packaging for this product. Trials were completed by January 2006 and the new caps are now being used for baby food products and are available at stores</p> <p>Researching with assistance from Visy the use of a returnable bulk bin for transporting caps. The returnable bulk bin is made of cardboard and can be reused up to 8 times. Caps are currently delivered in cartons. The bulk bin will remove the associated cardboard from this process as one bulk bin is equivalent to approximately 64 cartons. This project was trialled in July 2006 and proved successful. It is expected that the project will be fully operational in the very near future and it's status will be</p>	<p>Due to Company restructure this project was not progressed during 2007. Upon recruitment of a new Packaging Manager, this project will be recommenced.</p> <p>The Supplier of print and apply labels for shrink wrap to Golden Circle was changed over the current reporting period. However, due to Company restructure this project was not progressed during 2007. Upon recruitment of a new Packaging Manager, this project will be reconsidered.</p> <p>This project has now been completed. All affected products now arrive with one-piece caps,</p>	



Item	Commitment Made	Action Plan (2006 – 2008)	Action Plan Report (2006)	Action Plan Report (2007)	Action Plan Report 2008
		<p>drink and 750 mL PET cordial bottles</p> <p>Reductions in fibre board due to shelf-ready packaging for major customers</p>	<p>reported in the NPC action plan report for 2007</p> <p>During 2006 the downgaging of caps on 1.5L PET carbonated soft drink and 750 mL PET cordial bottles has resulted in a one-piece cap which replaces the previously used two-piece cap. This affects all products with 28 mL closure and results in less material used in those closures. The material used for closures is currently polypropylene and new caps will be on these products by mid 2007</p> <p>Fibre board reductions of 2383.16 tonnes have resulted from the move to shelf-ready packaging. The new trays are 150g lighter than the previously used RSC. As a result, much less fibre board is used</p>	<p>thereby reducing the volume of polypropylene used.</p> <p>This action was completed in the move to shelf-ready packaging</p>	<p>Golden Circle is continuing to change many of its product lines over to shelf-ready packaging and this has contributed to the reduction in cardboard use of 698.74 tonnes recorded in the 07/08 reporting period.</p>



Item	Commitment Made	Action Plan (2006 – 2008)	Action Plan Report (2006)	Action Plan Report (2007)	Action Plan Report 2008
Design					
Action 1.3	Review all primary packaging materials and investigate replacement with more readily recyclable materials where possible.	<p>Further examination of replacement of 2L polypropylene cordial bottle with PET alternative and trial where appropriate</p> <p>Replacement of HDPE containers at Original Juice Company</p> <p>Investigate light weighting of new style Tetra Pak manufactured polypropylene 2L cordial bottle</p> <p>Investigating recyclable adhesives for major</p>	<p>Due to the higher specific gravity of cordial products, and the associated handling and consumer concerns, it was decided not to pursue the 2L PET cordial bottle due to problems with moulding a handle into the bottle</p> <p>All 300mL and 500mL juice containers are now made of PET instead of HDPE. The full range of HDPE at OJ is currently under review and will be reported in the Action Plan for 2007</p> <p>In September 2006, Golden Circle changed bottle suppliers from Tetra Pak to Visy. A reduction of 2g has resulted in polypropylene bottles supplied by Visy for the 2L cordial range.</p>	<p>With newer and more modern technology, this project is being reinvestigated with the assistance of a supplier. Investigations centre on the supply of a moulded PET handle for PET cordial bottles. The progress of this project will be reported in the 2008 Action Plan Report. If successful, this will result in all cordial product packaging being converted from polypropylene and PVC (diet) to PET, which is more recyclable being #1 on the Plastics Identification Code.</p> <p>The review has not been completed at OJ. The updated status will be reported in the Action Plan for 2008</p> <p>This has been completed and Golden Circle is using the light-weighted polypropylene bottle for 2L cordial products.</p>	<p>This project is still progressing and it is planned to introduce PET cordial bottles in 2009.</p>



Item	Commitment Made	Action Plan (2006 – 2008)	Action Plan Report (2006)	Action Plan Report (2007)	Action Plan Report 2008
		<p>production line</p> <p>Change from 1L tetra square beverage to a 1L PET package which has increased recyclability</p>	<p>This will result in an overall reduction of polypropylene packaging by 23 tonnes over a 12 month period</p> <p>This action was investigated but due to costs a non-recyclable adhesive has been chosen. The primary costs were in importing the recyclable variety from the UK as no similar product is currently manufactured in Australia. If this changes, Golden Circle will re-investigate the use of recyclable adhesives for the major production lines</p> <p>1L PET containers, which are more recyclable in Australia, are now on supermarket shelves replacing the 1L tetra square products</p>	<p>Investigations into the use of a recyclable adhesive have not progressed during the current reporting period.</p> <p>This project was completed during 2006</p>	



Item	Commitment Made	Action Plan (2006 – 2008)	Action Plan Report (2006)	Action Plan Report (2007)	Action Plan Report 2008
<p>Production</p> <p>Action 2.1</p>	<p>Quantify current amount of packaging used for future use as a base line</p>	<p>To increase the percent of readily recyclable product packaging (steel, aluminium, PET, glass, cardboard), to 92% by mass by the end of 2003 and 95% by the end of 2004</p> <p>This will be quantified in the future with the use of an up-to-date and monitored database which will provide data to represent the new baseline. This data will be verified by October 2006. Also, the Original Juice Company and Golden Circle, Griffith data will be included by end October 2006</p>	<p>Achieved. 94.5% and 95% of packaging utilized in 2003 and 2004 respectively was steel, aluminium, PET, glass or cardboard. This is compared with 90% for 2001. 92% of packaging utilised in 2005 was steel, aluminium, PET, glass or cardboard. The non-recyclable tetra paper accounted for 8% of the total packaging utilized. The 1L square tetra has now been phased out so that the percent of readily recyclable product packaging should increase for 2005-06.</p> <p>Update (2006): During the current reporting period, the percent of readily recyclable product packaging increased to 99.97% for Golden Circle, Northgate with the only non-recyclable material being the composite matter that makes up the induction seals on all juice products. This amounted to 3.62 tonnes, as shown in KPI #1 and detailed in KPI #6.</p>	<p>During the current reporting period, the percent of readily recyclable product packaging was 99.97% for Golden Circle, Northgate with the only non-recyclable material being the composite matter that makes up the induction seals on all juice products. This amounted to 5.05 tonnes, as shown in KPI #1 and detailed in KPI #6.</p> <p>The Original Juice Company's percent of recyclable product packaging is 98.57% for the current reporting period, (31.77 tonnes), which is made up of the induction seal on juice products (5.05 tonnes) and polystyrene lids on 110 mL water and juice containers (26.72 tonnes).</p> <p>During the current reporting period, the Griffith site was sold so that a baseline was not created for this site.</p>	<p>The percentage of recyclable packaging material used by Golden Circle was still 99.97% with the total of composite induction seals used being 4.19 tonnes.</p> <p>The percentage of recyclable packaging material used by The Original Juice Company was 98.81% and this is comprised of 4.5 tonnes of induction seals and 24.5 tonnes of polystyrene lids.</p>



Item	Commitment Made	Action Plan (2006 – 2008)	Action Plan Report (2006)	Action Plan Report (2007)	Action Plan Report 2008
		The aim is to reduce the packaging to product ratio (see KPI # 1C) by incorporating lighter materials with more recyclable packaging	The Original Juice Company's percent of recyclable product packaging is 99.77% for the current reporting period, (5.88 tonnes), which is made up of the induction seal on juice products (5.07 tonnes) and polystyrene lids on 110 mL water and juice containers (0.81 tonnes).		

Item	Commitment Made	Action Plan (2006 – 2008)	Action Plan Report (2006)	Action Plan Report (2007)	Action Plan Report 2008
Production Action 2.2	Develop appropriate measure of packaging per product unit and implement data collection, reporting and improvement	Develop a packaging waste tracking database incorporating quantities for base line comparison for Mill Park and Griffith sites	Completed: Inclusion of 2006 into existing dataset. Results for 2006 are displayed graphically at Appendix 3. This shows the tonnage of packaging sold into the Australian marketplace by material type, as per KPI # 1 A packaging database was created from scratch. This tracks all packaging types including	The 2007 data has now been included into the existing dataset. Results for 2007 are displayed graphically at Appendix 3. This shows the tonnage of packaging sold into the Australian marketplace by material type, as per KPI # 1. During the current reporting period, the Griffith site was sold	Results for 2008 are reported under KPI #1 and used to demonstrate savings throughout this report.



			weights to ensure the packaging per product unit is easily derived. The data for the Original Juice Company has been included as shown in KPI #1	so that a baseline was not created for this site.	
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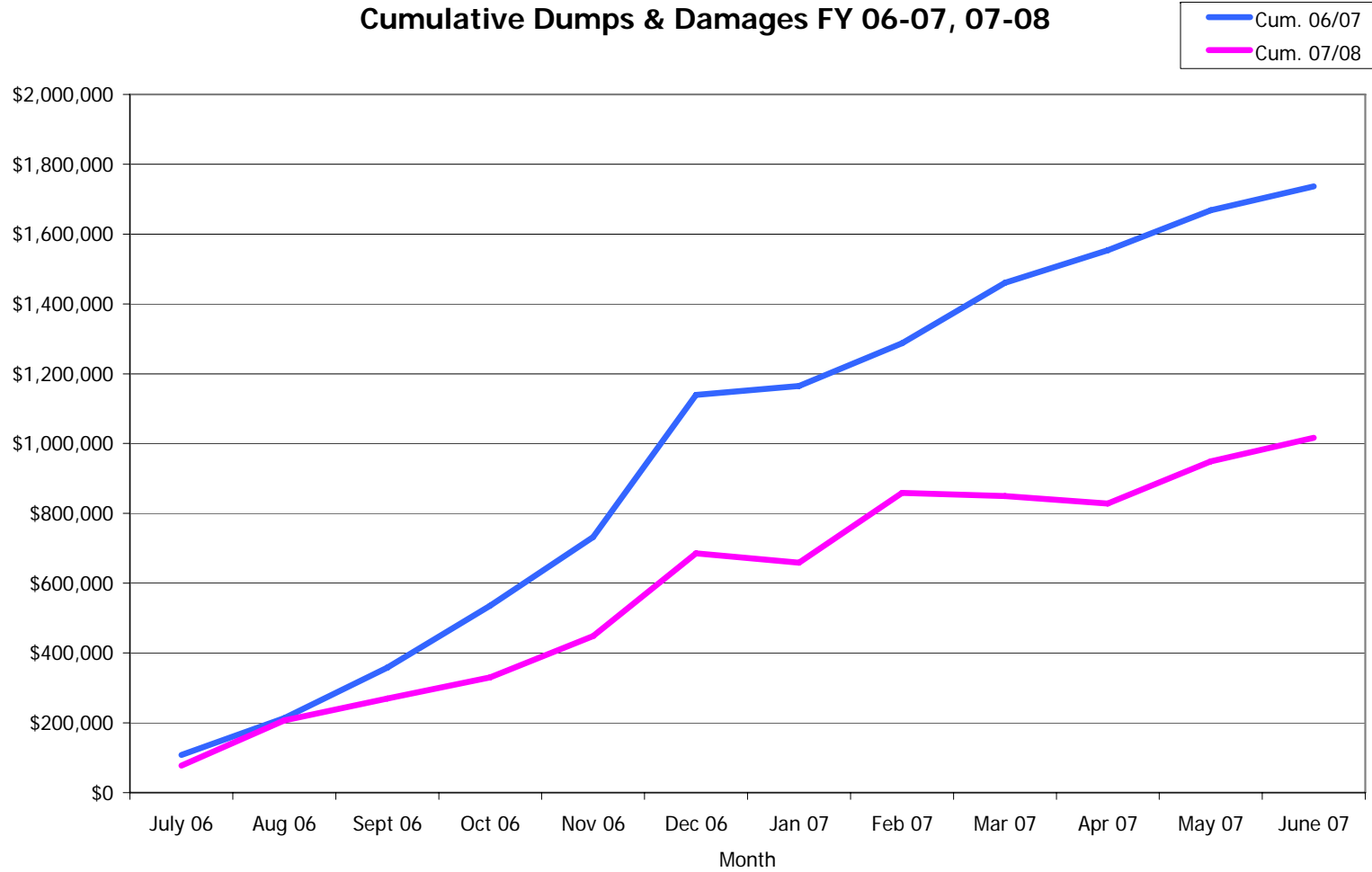
Item	Commitment Made	Action Plan (2006 – 2008)	Action Plan Report (2006)	Action Plan Report (2007)	Action Plan Report 2008
Production Action 2.3	Identify and implement engineering solutions to reduce rejected product	Form "Process Improvement Group" and use this forum to address other product rejection issues. Engineering solutions to reduce rejected product	Completed. GCL has commenced a new Quality Focus Group whose primary objective is to reduce isolations. The improvements against budget made in this area are shown graphically below. The internal failures met budget expectations to such an extent that the budget (target) was reduced in January 2006. Having said that, isolations continued to rise during the reporting period and Golden Circle will continue to implement solutions to reduce this trend Self-driven footplates are now used for can closures. Trials were completed in June, 2006 so that footplates are used for all cans onsite. This reduces the	Spoilage and losses for the site are shown graphically below. Due to increased focus in the area, the trend for 2007 sees a marked improvement on the 2006 results. The spoilage and losses have decreased steadily over 2007 as well although a concerted effort on getting "Quality Right, First Time" needs to be sustained to meet budgetary expectations. Due to Company restructure, reporting and capturing data related to engineering solutions to reduce rejected product and prevent spoilages has not progressed. Examples of	Budgetary restrictions have limited the amount of engineering solutions to reduce rejected product during the reporting period. However, there has still been a reduction in dumps and damages and thereby reducing total spoilage. This reduction is largely through the ongoing development of the workplace culture of quality awareness.



		<p>Investigate alternative destinations to landfill for rejected project</p>	<p>rejected product substantially via reductions in 'skidders', which can cause leaks in cans. A 'skidder' occurs when an air-tight seal is not formed on the can</p> <p>Golden Circle are currently undertaking trials in conjunction with Ipswich Waste Services (IWS) as indicated by the Action Plan submitted for the financial year ending 2005. Early results show that the trials are successful. Over the duration of the Action Plan period (2006-2008), GCL will endeavour to send dumps and damages to IWS and will report on the success of this venture.</p> <p>Update (2006): Golden Circle is now sending all rejected product from the beverage plant to IWS. Golden Circle and IWS are seeking funding that will enable them to take rejected steel product from the Company, which will mean all rejected product is diverted from landfill</p>	<p>projects will be included in the 2008 NPC Action Plan report</p> <p>Sending beverage dumps and damages to IWS is still in place</p> <p>Golden Circle continues to send dumps and damages from the beverage plant to IWS. An expression of interest was submitted to the Queensland Jurisdictional Working Group for a project to enable IWS to take steel cans, but this was rejected based on projected recycling rates.</p>	<p>Beverage dumps and damages are still sent to IWS for recycling and investigations are continuing into a source for recycling food dumps and damages.</p>
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Cumulative Dumps & Damages FY 06-07, 07-08





Item	Commitment Made	Action Plan (2006 – 2008)	Action Plan Report (2006)	Action Plan Report (2007)	Action Plan Report 2008
<p>Production</p> <p>Action 2.4</p>	<p>Incorporate internal system for collection and recycling of raw material packaging not currently recycled</p>	<p>Provision of recycling facilities in all relevant areas on site</p> <p>Colour-coding of all skips onsite to proceed to enable staff to easily identify which bin to put waste into: affects, cardboard, paper, plastic, metal and general waste. To be completed by mid-2006</p>	<p>Completed. This initiative has been well received and has also raised the profile of recycling on the Northgate site and helped to improve response to other recycling and waste reduction efforts. The location and purpose of each bin is now universally known and accepted throughout the site.</p> <p>In addition, an office recycling procedure was initiated adding to the volume of recyclable material generated by the Company which, in turn will reduce volume of material sent to landfill</p> <p>Completed. All skips onsite are now colour-coded red for general waste, yellow for plastic (all types), green for food waste, dark blue for metal (except aluminium) and white for paper/cardboard. The recycling system currently in place and that envisaged for the future is detailed in the section on KPI data – see KPI #16</p>	<p>This project was completed during 2006. Continuous improvement is required for successful deliverables of the project.</p> <p>This project was completed during 2006. Continuous improvement is required for successful deliverable of this project.</p> <p>This project was completed during 2006. Continuous improvement is required for successful deliverable of this project. In addition, an office recycling program has commenced for aluminium recycling using purple skips. Extensive aluminium recycling already occurs in the carbonated soft drink production plant.</p>	<p>This project was expanded during 2008 to include all production areas and will be completed in 2009 with the inclusion of administration and staff eating areas.</p>



Item	Commitment Made	Action Plan (2006 – 2008)	Action Plan Report (2006)	Action Plan Report (2007)	Action Plan Report 2008
Distribution					
Action 3.1	Investigate use of reusable and/or recyclable secondary packaging opportunities for distribution of Golden Circle product where not currently implemented.	<p>Investigating the use of plastic pallets</p> <p>Use of reusable hoppers for bulk transport of caps for cordial products to Golden Circle from suppliers</p> <p>Investigating the use of slip-sheeting for export to NZ with reusable sheets and no pallets</p> <p>Investigation into the supply of 2L PVC bottles used for the diet cordial range</p>	<p>These are recyclable HDPE and would replace the non-recyclable wooden pallets. During 2006, all non-recyclable wooden pallets and top frames that are used to transport all PET and polypropylene bottles onsite were being replaced by recyclable plastic pallets and either recyclable plastic or aluminium top frames. Full site conversion expected by the 2007 NPC report. See Visy NPC report for further details</p> <p>The target deadline for commencement of this project is June 2006 - this will considerably reduce the amount of cardboard currently used to transport the caps. This project has been delayed. It's status will be reported in the 2007 NPC report</p> <p>There was no progress made in this area during 2006. This project is expected to go ahead and progress will be reported in</p>	<p>This has now been completed. See Visy NPC report for further details.</p> <p>Due to Company restructure this project was not progressed during 2007. Upon recruitment of a new Packaging Manager, this project will be recommenced.</p> <p>Due to Company restructure this project was not progressed during 2007. Upon recruitment of a new</p>	<p>Plastic pallets are still being used to deliver plastic bottles from Visy.</p> <p>These projects have not progressed.</p>



Item	Commitment Made	Action Plan (2006 – 2008)	Action Plan Report (2006)	Action Plan Report (2007)	Action Plan Report 2008
		Corn deliveries	<p>the NPC action plan report for 2007</p> <p>2L PVC bottles for the diet cordial range were supplied with cardboard corner posts and cardboard layer trays. The de-palletisation process at Golden Circle has been modified over 2006 so that the cardboard materials are no longer required for transportation of these bottles. This reduces the quantity of cardboard used during transportation considerably</p> <p>Corn is delivered in cardboard cartons with wooden corners for stability purposes. The cardboard is recycled and the wood is sent to a wood recycler to reuse</p>	<p>Packaging Manager, this project will be recommenced.</p> <p>Due to Company restructure this project was not progressed during 2007. Upon recruitment of a new Packaging Manager, this project will be recommenced.</p> <p>This project is an ongoing deliverable</p>	



Item	Commitment Made	Actions	Action Plan Report (2006)	Action Plan Report (2007)	Action Plan Report 2008
<p>Distribution</p> <p>Action 3.2</p>	<p>Liaise with packaging suppliers to incorporate improvements made in secondary packaging as a result of respective NPC Action Plans.</p>	<p>Liaise with secondary packaging suppliers to implement improvements</p>	<p>The progress made in these areas can be viewed on the Action Plan Reports of Amcor Fibre, Amcor Can, Tetra Pak, Visy, Carter Holt Harvey, Malaya Glass, ACI glass, Label Makers, Pyx, VIP and Plaspak.</p> <p>The packaging and supply departments at Golden Circle Limited meets with all of the above companies on a regular basis to discuss improvements made in secondary packaging. One outcome of these meetings is the implementation of a Buy Recycled purchasing policy, which is being progressed by the Golden Circle supply department. Details can be found at KPI #26. Site wide conversion will be reported on in the Action Plan for 2007</p>	<p>The progress made in these areas can be viewed on the Action Plan Reports of Amcor Fibre, Amcor Can, Tetra Pak, Visy, Carter Holt Harvey, Malaya Glass, O-I glass, Label Makers, Pyx, VIP and Plaspak.</p> <p>Golden Circle and Visy are progressing the sourcing all of the PET containers with 25% recycled content as part of the Environmental Purchasing Policy. A site wide conversion to 25% recycled PET was expected to be in place by this reporting period but this has not occurred due to ongoing investigations between both companies. The project is dependent on a number of factors including the size of the bottle, weight specifications, end-use function (cold or warm fill etc.) and the availability of the recycled PET resin component. Status will be reported in 2008</p>	<p>All secondary packaging improvements are a collaboration between Golden Circle and the supplier company.</p>



Item	Commitment Made	Action Plan (2006 – 2008)	Action Plan Report (2006)	Action Plan Report (2007)	Action Plan Report 2008
Distribution Action 3.3	Tertiary Packaging Reduction	<p>Introduction of bulk transport of fruit juice between Golden Circle sites</p> <p>Perform trials as part of Beverages stretch-wrap reduction project</p>	<p>Complete (2004): Golden Circle continues to transport fruit juice to the OJ Company, Melbourne in tankers thereby eliminating the packaging involved</p> <p>Trials of reduced plastic product and alternate stretch pattern reducing material used to be investigated site-wide. Auditing of stretch wrappers across the site occurs on a regular basis, although these trials resulted in the project not being progressed due to the high cost of the capital equipment required</p>	<p>This project was completed during 2004</p> <p>This project is not feasible due to the high capital cost of equipment</p> <p><u>New Action (2007)</u> Removal of Shrink Wrap for all deliveries of PET Bottles. Golden Circle has implemented a direct delivery system to a "Roll on Roll Off" dock facility at Northgate. This project will assist in the reduction of damaged PET bottles and waste via quicker unloading and onsite storage. This will impact on the supply of 29,000,000 PET bottles resulting in a reduction of 15,890 kgs of LDPE shrink-wrap</p>	<p>The roll on roll off dock was installed and commenced operation during 2008. This has allowed PET bottles from Visy to be delivered without a shrink wrap around the pallets.</p>



Item	Commitment Made	Action Plan (2006 – 2008)	Action Plan (2006)	Action Plan (2007)	Action Plan Report 2008
Disposal Action 4.1	Develop Internal Solid Waste Tracking System to track waste types, source and volume	Continuously develop and update internal packaging waste tracking system	Completed (2002-2006): The internal solid waste tracking system has been developed and is continuously updated. It includes pertinent information on all solid waste leaving the site including the date, carrier, type, destination and tonnages. The relevant data from this database has been included in the section on KPI data under KPI # 21	Completed (2007): The internal solid waste tracking system has been developed and is continuously updated. It includes pertinent information on all solid waste leaving the site including the date, carrier, type, destination and tonnages. The relevant data from this database has been included in the section on KPI data under KPI # 21	The waste tracking database has continued to evolve and expand to capture all waste leaving the Northgate site.

Item	Commitment Made	Action Plan (2006 – 2008)	Action Plan Report (2006)	Action Plan (2007)	Action Plan Report 2008
Disposal Action 4.2	Audit the “waste to landfill” on a regular basis to identify recycling opportunities and implement	Reassess and implement solutions to avoid high volumes of aseptic cartons being sent to landfill.	During 2003, a solution was found for the handling of unused obsolete carton material. These were laminated by external parties for use in other products. This saved approximately 5 tonnes of Tetra paper to landfill. The laminated paper was used in strips to make corner posts for pallet transportation. However, since the 1L Square Tetra has	The 1L square tetra has been deleted so laminated paper is no longer produced for use by external parties.	Tetra paper (liquid paperboard) is still used by Golden Circle to produce a large number of beverage products. The waste from this production therefore contributes to the site’s general waste stream. A project has commenced to find a source for recycling of this material and divert it from



Item	Commitment Made	Action Plan (2006 – 2008)	Action Plan Report (2006)	Action Plan (2007)	Action Plan Report 2008
		<p>Develop and implement strategies to improve waste segregation and reduce contamination of recyclable waste streams.</p>	<p>been deleted from Golden Circle's product range the laminated paper will no longer be produced</p> <p>Colour-coding skips has been introduced sitewide – see action 2.4 for details. Reducing the waste to landfill is of paramount importance to Golden Circle for the company to operate in an ecoefficient manner. Some of the initiatives to satisfy this requirement include:</p> <ol style="list-style-type: none"> 1. Modifying packaging so that non-recyclable material is limited. For example: deleting the 1L square tetra thereby eliminating the non-recyclable laminated paper 	<p>This project was completed during 2006. Continuous improvement is required for successful deliverables of the project.</p>	<p>landfill.</p> <p>During 07/08 the operator of the recycling facility that was taking Golden Circle's fruit waste and effluent mud closed and for a period of time these waste streams were sent to landfill. This has now been rectified with the fruit waste being sent to a compost facility and the effluent mud being delivered to strawberry farms north of Brisbane.</p> <p>This project was expanded during 2008 to include all production areas and will be completed in 2009 with the inclusion of administration and staff eating areas.</p>



Item	Commitment Made	Action Plan (2006 – 2008)	Action Plan Report (2006)	Action Plan (2007)	Action Plan Report 2008
			2. Colour-coding of all 1.5 m ³ skips onsite – see action 2.4 3. A dedicated spill kit contractor is employed by Golden Circle to ensure that the amount of waste generated by use of the spill kits is reduced 4. The project in conjunction with Ipswich Waste Services to send all dumps and damages to recycle – see action 2.3		
Research Action 5	To conduct and facilitate research into environmental and lifecycle issues involving the supply, use and recovery of packaging materials	Over 2006, the Beverage Industry Environment Council (BIEC) underwent a transition into the Packaging Stewardship Forum (PSF) which will operate under the Australian Food & Grocery Council (AFGC). It is through this forum that Golden Circle meets some of the research	Research requirements are met through the PSF action plan. This is primarily via programs in resource recovery: specifically away from home, domestic (kerbside) and remote area initiatives. <u>Away from Home</u> The PSF provides research into the Commercial & Industrial sector (e.g. pubs and clubs), public place recycling. The PSF continues to provide resources to stimulate the uptake of Public Place Recycling in Local Government Authorities right	Research requirements are met through the PSF action plan. The forum aims to significantly improve government, industry and community understanding of resource recovery and litter management through projects which focus upon delivering the most effective resource recovery solutions and the greatest reduction in litter. Partnerships with like minded organisations have been critical to achieving many of the outcomes outlined in the PSF Action Plan report for the	Golden Circle continues to contribute to the Packaging Stewardship Forum (PSF) to meet it's NPC research requirements. Some of the key outcomes for the Packaging Stewardship Forum during the current reporting period can be found under Appendix 1 of this report.



Item	Commitment Made	Action Plan (2006 – 2008)	Action Plan Report (2006)	Action Plan (2007)	Action Plan Report 2008
		requirements of it's commitments to the National Packaging Covenant	<p>across Australia) and at Special Events</p> <p><u>Domestic (kerbside)</u> involves PSF supporting Local Government initiatives to improve recovery of packaging materials through hands on collaboration and projects via the 'Recycle Right' resources available on the AFGC website</p> <p><u>Remote Area Initiatives</u> PSF continues to support training and other activities addressing litter abatement in remote communities</p>	<p>current reporting period.</p> <p>The Packaging Stewardship Forum develops and delivers programs on behalf of its members that are designed to reflect the principles of product stewardship.</p> <p>Key outcomes for the Packaging Stewardship Forum during the current reporting period can be found under Appendix 5 of this report. Specific project deliverables can be found in the PSF/AFGC NPC Action Plans</p>	

Item	Commitment Made	Action Plan (2006 – 2008)	Action Plan Report (2006)	Action Plan (2007)	Action Plan Report 2008
Market Development Action 6	Establish frameworks to ensure that new product development using recovered materials is	Develop and utilize a checklist for each new product being developed based on ECoPP	Complete. The progress of the New Product Development team's adoption of the ECoPP is shown under KPI #22	Golden Circle's Innovations team launched a new production during 2007 – sliced and baby beetroot in natural juices. This is the biggest launch by the Company in 20 years. The use of the ECoPP checklist for this	The ECoPP checklist is still in place as a tool for use during new product development as described in KPI #22.



	accelerated and that inappropriate barriers to the marketing of products with recycled content are removed	Implement a Buy Recycled Policy that ensures recycled containers are considered for product	The progress of the initiation of the Buy Recycled Policy at Golden Circle can be seen under KPI #26. The Buy Recycled Policy is now in use by Golden Circle's supply department	product is shown under Appendix 4 (i). More information about the adoption of the ECoPP checklist can be found under KPI #22 Progress of implementation of the Buy Recycled Policy at Golden Circle can be seen under KPI #26.	The Buy Recycled Policy has been incorporated into the company's overall purchasing policy, the results of which are described under KPI #26.
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Item	Commitment Made	Action Plan (2006 – 2008)	Action Plan Report (2006)	Action Plan (2007)	Action Plan Report 2008
Education Action 7.1	Education/training program to promote a "recycling" attitude amongst Golden Circle employees to reduce contamination of recycled packaging streams, reduce volume of recyclable packaging material sent to landfill and inform relevant employees of the NPC and its implications	Incorporate environment responsibility module into the training and induction process Solid waste management as referred to in section 2.4 will include a training program to	Complete – all new employees go through an induction process. This process now includes an environmental module on which new employees are educated and tested. Recycling has become part of the culture at Golden Circle through the formulation of ecoefficiency teams to reduce energy used in everyday	During 2007, a presentation was given to the Queensland Local Government Association in Hervey Bay entitled: Golden Circle and the NPC – a case study. The presentation featured Golden Circle's progress and award wins in relation to the NPC. The "Environment Guide for GC Employees" is continuously updated and the "Pine Times" has again	Environmental issues are communicated to Golden Circle staff through articles in the company newsletter, internal memos and new staff induction sessions.



Item	Commitment Made	Action Plan (2006 – 2008)	Action Plan Report (2006)	Action Plan (2007)	Action Plan Report 2008
		<p>alert staff to the new colour-coding of bins system.</p> <p>Training will be also given regarding the new system for dumps and damages, as referred to at section 2.3</p> <p>Continue with waste management training using</p>	<p>operations. At least one article on environmental matters relating to water, packaging, solid waste and energy have been included in each issue of the Company's internal newsletter: "The Pine Times". The publication is available to all employees at GCL and is published on a quarterly basis. In addition, the latest NPC Annual Reports are available internally on the GCL email system via the "Environment Guide to Golden Circle Employees." This communicative tool was developed by the Environment Department to alert staff to pertinent environmental issues, such as the NPC requirements. This section is shown below. The two latest NPC Annual Reports, along with the ECoPP (shown with an i on the front) are downloadable by any Golden Circle employee by simply clicking on the document</p> <p>A new system has been put in</p>	<p>featured several articles relating to the NPC during 2007. The section of the Environment Guide related to NPC issues is shown below.</p> <p>The system for beverage dumps and damages continues to operate at the Company</p>	



Item	Commitment Made	Action Plan Report (2006)	Action Plan (2007)	Action Plan Report 2008
Action 7.2	Education and training in general public recycling and litter prevention	<p>Over 2006, the Beverage Industry Environment Council (BIEC) underwent a transition to the Packaging Stewardship Forum (PSF) which will operate under the Australian Food & Grocery Council (AFGC). It is through this forum that Golden Circle meets some of the education requirements of its commitments to the National Packaging Covenant. Some of the Programs ran by BIEC in the past which will be continued by the PSF include:</p> <ul style="list-style-type: none"> • Recycle Right Council Information Kit • Anti-contamination education program • Best Practice for Waste Minimization • Progression of the RARE program • Development of TAFE recycling curriculum module • Special event recycling workshops <p>Anti-littering campaigns have also been run by BIEC in the past and these are described in BIEC's previous NPC Reports. Golden Circle has supported BIEC in the progression of the education components of the 2004 BIEC NPC Action Plan through the involvement of the Environmental Manager who served</p>	<p>Education and training in general public recycling and litter prevention requirements are met through the PSF action plan. The forum aims to significantly improve government, industry and community understanding of resource recovery and litter management through projects which focus upon delivering the most effective resource recovery solutions and the greatest reduction in litter. Partnerships with like minded organisations have been critical to achieving many of the outcomes outlined in the PSF Action Plan report for the current reporting period.</p> <p>The Packaging Stewardship Forum develops and delivers programs on behalf of its members that are designed to reflect the principles of product stewardship. These programs are backed by extensive research, focusing upon:</p> <ul style="list-style-type: none"> ○ Promoting resource recovery and minimising waste in Away 	Golden Circle continues to meet its public education commitments through the Packaging Stewardship Forum action plan.



Item	Commitment Made	Action Plan Report (2006)	Action Plan (2007)	Action Plan Report 2008
		<p>as a Director on the Board of BIEC from 2004 until its eventual transition to the Packaging Stewardship Forum in 2006.</p> <p>Across Australia, BIEC has delivered no-cost workshops that show local governments and other stakeholders how to place bins and optimize supporting waste management infrastructure to ensure better environmental outcomes at reduced cost. BIEC's system for optimizing waste management at major public events has also been developed into training courses.</p> <p>The PSF will continue to support and sponsor Keep Australia Beautiful programs at the National and State level to address disposal behaviour and improve litter management.</p> <p>Using BinS (Bin Infrastructure Systems) and the Don't Waste Australia/Do the Right Thing campaign, the PSF will continue to form partnerships with Councils to implement infrastructure trials focused on reducing litter and Public Place Recycling.</p>	<p>from Home and domestic sectors;</p> <ul style="list-style-type: none"> ○ Delivering education and technical information on resource recovery and litter management; ○ Contributing to research into efficient resource recovery and waste minimisation; ○ Actively assisting to build capacity across government, industry and the community on resource recovery and litter management, including monitoring, measurement and reporting <p>Key outcomes for the Packaging Stewardship Forum during the current reporting period can be found under Appendix 5 of this report. Specific project deliverables can be found in the PSF/AFGC NPC Action Plans</p>	



Item	Commitment Made	Action Plan (2006 – 2008)	Action Plan Report (2006)	Action Plan (2007)	Action Plan Report 2008
Labelling Action 8	Review product labelling to aim to increase impact of existing environmental information and implement where not currently labelled.	Review Golden Circle products for prominence of recycling logo and wording of recycling messages	<p>Complete. All applicable products now have a label review to incorporate recycling messages</p> <p>During 2005 the recyclable logo was added to infant food can labels.</p> <p>Tetra Pak products bear a statement on the packaging informing consumers to “Care for your environment, please recycle” thereby communicating and encouraging responsible disposal of packaging. This message is evident on all Popper branded lines, all Golden Circle tetra drinks right across the range of different sizes, 1 L Golden Circle metallic and Original Juice Company 1 L juices</p>	During each Product Viability Assessment, labels for new products are reviewed to ensure the relevant environmental information is included, where applicable	The incorporation of environmental information on labeling is a part of the new product development process.

Item	Commitment Made	Action Plan (2006 – 2008)	Action Plan Report (2006)	Action Plan (2007)	Action Plan Report 2008
Wholesaling and Retailing Action 9	Data contributions on changes in packaging made in response to	Implement method of capturing changes in packaging that have been	The marketing and packaging departments at Golden Circle will endeavour to capture and include this information by October 2007	Due to Company restructure this project was not progressed during 2007. Upon recruitment of a new Packaging Manager, this project will be recommenced	No further actions to report.



Item	Commitment Made	Action Plan (2006 – 2008)	Action Plan Report (2006)	Action Plan (2007)	Action Plan Report 2008
	<p>changes in consumer demand and educating the community on the role of packaging</p>	<p>made in response to changes in consumer demand</p> <p>Educating the community has taken place by ensuring that all Golden Circle products have a label review to incorporate recycling messages as per Action 8</p>	<p>Tetra Pak products bear a statement on the packaging informing consumers to “Care for your environment, please recycle” thereby communicating and encouraging responsible disposal of packaging. This message is evident on all Popper branded lines, all Golden Circle tetra drinks right across the range of different sizes, 1 L Golden Circle metallic and Original Juice Company 1 L juices</p> <p>The marketing department and packaging departments at Golden Circle will endeavour to capture and include information relating to the effectiveness of point-of-sale, display and promotional materials which are designed so as to minimize the quantity of materials used and to maximize their re-utilization by Oct 2007</p>	<p>See Action 7.2 and Appendix 5 for PSF activities in this area. Action 7.1 outlines the progress made by Golden Circle in educating employees internally. This culture will also spread to the local community when employees go home and because Golden Circle is located in a residential area</p> <p>Due to Company restructure this project was not progressed during 2007. Upon recruitment of a new Packaging Manager, this project will be recommenced</p>	



Item	Commitment Made	Action Plan (2006 – 2008)	Action Plan Report (2006)	Action Plan (2007)	Action Plan Report 2008
<p>Recycling and Reprocessing</p> <p>Action 10</p>	<p>Assist the packaging supply chain by providing data on quantities of packaging recovered and design issues affecting material recoverability and report on the utilization of recovered material by secondary markets</p>	<p>Up to and including 2004, the obsolete tetra paper produced by Golden Circle was used by SMS. They laminate the paper in strips to make corner posts for pallet transportation.</p> <p>During 2005, the 1L Square Tetra was deleted from Golden Circle's product range so that the laminated paper will no longer be produced</p>	<p>Golden Circle will continue to report on the utilization of recovered material by secondary markets, where applicable. Currently, there is no secondary market for any obsolete packaging produced by Golden Circle</p>	<p>Golden Circle will continue to report on the utilization of recovered material by secondary markets, where applicable. Currently, there is no secondary market for any obsolete packaging produced by Golden Circle</p>	<p>Golden Circle receives a large number of 'single use' pallets with it's raw materials and have recently begun selling these pallets for use in other industries throughout Brisbane.</p> <p>Golden Circle also onells it's excess concentrate drums for use by other companies.</p>



KPI Data for Golden Circle & the Original Juice Company

KPI # 1	Company information required – Golden Circle Ltd	Method																				
<p style="text-align: center;">1</p> <p>Total weight of consumer packaging (domestic & imported) sold per annum into the Australian market and the total weight of products packaged</p> <p style="text-align: center;">1A</p> <p>Report tonnes of packaging by material type by source (local or imported)</p> <p style="text-align: center;">1B</p> <p>Report tonnes of packaged product sold</p> <p style="text-align: center;">1C</p> <p>Report ratio of product to packaging (by weight)</p>	<p style="text-align: center;">1A</p> <ul style="list-style-type: none"> • Currently, the only packaging materials that are imported directly from overseas suppliers is glass from Malaysia at 295.32 tonnes. <p style="text-align: center;">Tonnage of Material Types Sold During the Financial Year 2007/2008.</p> <table border="1" style="margin-left: auto; margin-right: auto; border-collapse: collapse; text-align: center;"> <thead> <tr style="background-color: #00ff00;"> <th style="padding: 5px;">Material Type</th> <th style="padding: 5px;">Total Tonnage</th> </tr> </thead> <tbody> <tr><td style="padding: 2px 5px;">Steel</td><td style="padding: 2px 5px;">8904.71</td></tr> <tr><td style="padding: 2px 5px;">Aluminium</td><td style="padding: 2px 5px;">23.03</td></tr> <tr><td style="padding: 2px 5px;">Cardboard</td><td style="padding: 2px 5px;">2648.46</td></tr> <tr><td style="padding: 2px 5px;">Paper</td><td style="padding: 2px 5px;">217.04</td></tr> <tr><td style="padding: 2px 5px;">Glass</td><td style="padding: 2px 5px;">295.32</td></tr> <tr><td style="padding: 2px 5px;">Composite</td><td style="padding: 2px 5px;">4.19</td></tr> <tr><td style="padding: 2px 5px;">Tetra Paper</td><td style="padding: 2px 5px;">1538.73</td></tr> <tr><td style="padding: 2px 5px;">Plastics (see below)</td><td style="padding: 2px 5px;">2575.27</td></tr> <tr style="background-color: #00ff00;"> <td style="padding: 5px;">Total</td> <td style="padding: 5px;">16206.75</td> </tr> </tbody> </table>	Material Type	Total Tonnage	Steel	8904.71	Aluminium	23.03	Cardboard	2648.46	Paper	217.04	Glass	295.32	Composite	4.19	Tetra Paper	1538.73	Plastics (see below)	2575.27	Total	16206.75	
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Plastics (see below)	2575.27																					
Total	16206.75																					



Plastic Types Used at Golden Circle for Financial Year 2007/2008.

Plastic Type	Total Tonnage
LDPE	115.30
HDPE	181.35
Polypropylene	689.61
PET	1516.83
PVC	72.17
Total	2575.27

1B

- **164016.99** tonnes of packaging material and product was sold during the current reporting period into the Australian Market by Golden Circle, Northgate
- Of this **147810.17** tonnes was product and **16,206.82** tonnes was packaging material.

1C

- Ratio of product to packaging for this period is **9.12: 1**

Comparison with Previous Reports

The ratio of product to packaging was incorrectly reported to be 13.02:1 for the financial year ending 2007 due to errors data entry and reporting of third party owned brands. The correct product to packaging ratio would have been similar to that reported this year of 9.12:1 with a probable slight reduction this reporting period due to lower sales of product in 3.2kg cans.



KPI # 1	Company information required – Original Juice Company	Results & Method																										
<p style="text-align: center;">1</p> <p>Total weight of consumer packaging (domestic & imported) sold per annum into the Australian market and the total weight of products packaged</p> <p style="text-align: center;">1A</p> <p>Report tonnes of packaging by material type by source (local or imported)</p> <p style="text-align: center;">1B</p> <p>Report tonnes of packaged product sold</p> <p style="text-align: center;">1C</p> <p>Report ratio of product to packaging (by weight)</p>	<p style="text-align: center;">1A</p> <ul style="list-style-type: none"> Currently, no packaging materials are imported directly from overseas suppliers. <p style="text-align: center;">Tonnage of Material Types Sold During the Financial Year 2007/2008.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #00FF00;"> <th style="text-align: center;">Material Type</th> <th style="text-align: center;">Total Tonnage</th> </tr> </thead> <tbody> <tr> <td>Cardboard</td> <td style="text-align: right;">936.08</td> </tr> <tr> <td>Labels</td> <td style="text-align: right;">48.59</td> </tr> <tr> <td>Induction Seal Wad Compounds</td> <td style="text-align: right;">4.50</td> </tr> <tr> <td>Plastic (see below)</td> <td style="text-align: right;">1235.52</td> </tr> <tr style="border-top: 1px solid black;"> <td>Liquid Paperboard</td> <td style="text-align: right;">220.18</td> </tr> <tr style="background-color: #00FF00;"> <td style="text-align: center;">Total</td> <td style="text-align: right;">2444.87</td> </tr> </tbody> </table> <p style="text-align: center;">Tonnage of Plastic Sold During the Reporting Period by Type.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #00FF00;"> <th style="text-align: center;">Plastic Type</th> <th style="text-align: center;">Total Tonnage</th> </tr> </thead> <tbody> <tr> <td>PET</td> <td style="text-align: right;">544.36</td> </tr> <tr> <td>HDPE</td> <td style="text-align: right;">353.98</td> </tr> <tr> <td>HIPS</td> <td style="text-align: right;">26.72</td> </tr> <tr> <td>Closures</td> <td style="text-align: right;">116.41</td> </tr> <tr style="background-color: #00FF00;"> <td style="text-align: center;">Total</td> <td style="text-align: right;">1041.47</td> </tr> </tbody> </table>	Material Type	Total Tonnage	Cardboard	936.08	Labels	48.59	Induction Seal Wad Compounds	4.50	Plastic (see below)	1235.52	Liquid Paperboard	220.18	Total	2444.87	Plastic Type	Total Tonnage	PET	544.36	HDPE	353.98	HIPS	26.72	Closures	116.41	Total	1041.47	
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	<p style="text-align: center;"><u>1B</u></p> <ul style="list-style-type: none"> • 43784.17 tonnes of packaging material and product was sold for the current reporting period into the Australian Market by the Original Juice Company, Melbourne • Of this 41559.47 tonnes was product and 2224.70 tonnes was packaging material. <p style="text-align: center;"><u>1C</u></p> <ul style="list-style-type: none"> • Ratio of product to packaging for this period is <u>18.68:1</u> <p style="text-align: center;"><u>Comparison with Previous Reports</u></p> <p>The ratio of product to packaging has increased favourably from 16.55:1 to 16.79:1 to 18.68:1 for the financial years ending 2006, 2007 and 2008 respectively. This has mainly been the result of increasing sales of 1L, 1.5L, 2L & 3L beverage products and a reduction in sales of smaller volume products such as 250ml bottled juice.</p>
KPI # 3	Improvements to Minimise the Environmental Impacts of Packaging
<p style="text-align: center;"><u>3</u></p> <p>Improvements in design, manufacture, marketing and distribution to minimise the environmental impacts of packaging</p> <p>3A Qualitative improvements 3B Quantitative improvements</p>	<p style="text-align: center;"><u>3A</u></p> <ul style="list-style-type: none"> • Tetra Pak have indicated that they will be including 8% recycled material in their paperboard during the next reporting period. • Bulk material delivery of packaging has not progressed due to the need for specialised equipment to handle the bulk loads. • Recyclable adhesives are currently not cost competitive. <p style="text-align: center;"><u>3B</u></p> <p>As indicated under KPI # 1, Golden Circle has completed the development of a Materials Database. This database will enable quantitative improvements that minimize the environmental impacts of packaging to be recorded and utilized by the Packaging, Supply, Innovations, Marketing and Environment Departments at Golden Circle</p>



KPI # 4	Action
<p>Changes to protection, safety, hygiene, shelf-life or supply chain considerations affecting amount & type of packaging used</p>	<ul style="list-style-type: none"> • The continued transition to shelf ready packaging is reducing the total amount of cardboard used. The reduction reported from the previous year is 698.74 tonnes. • A flavour rationalization project by the Innovations Team has resulted in more concentrated ingredient flavours being used in some products and therefore reduced the number of 25L containers used on site by 349 per year.

KPI # 6	Company information required	Method
<p><u>6</u></p> <p>Total weight, by type, of “non-recyclable” consumer packaging sold per annum into the Australian market</p>	<p>For Golden Circle, the only non-recyclable material sold into the Australian marketplace was composite material that makes up the induction seals on all juice products. This amounted to 4.19 tonnes, as shown in KPI #1. The percentage of recyclable packaging produced by Golden Circle is currently 99.97%.</p> <p>For the Original Juice Company, the tonnage of non-recyclable material sold into the Australian marketplace was 29.0 tonnes, which is made up of the induction seal on juice products and the polystyrene lids on 110ml juice containers. The percentage of recyclable packaging produced by the Original Juice Company is 98.81%.</p>	<p>A Materials Database has been completed outlining all the requested information for all products made by Golden Circle. See KPI # 1 for more details</p>

KPI # 16	Recycling Collection Facilities at Golden Circle
<p><u>16</u></p> <p>Percentage of signatories providing recycling collection facilities for post-consumer packaging generated on-site</p>	<p>Golden Circle has a designated recycling area which is where all recyclables are sent before being transported offsite to the various recycling destinations. The recycling area is comprised of a 25 m³ trailer for cardboard, two 25 m³ scrap metal skips, a 20m³ cage for HDPE plastics and a 20m³ cage for all other plastics. All clean plastic is now sent via the yellow skips to the designated cage which is then collected by a contractor that reuses/recycles the plastic. In addition to the recycling centre, Golden Circle has dedicated contractors for certain types of recyclable waste. For example: one contractor takes paper waste, another confidential documentation, another takes glass and another aluminium cans.</p> <p>Each processing/warehouse area has a set number of skips to segregate waste: one each for general waste, cardboard,</p>



paper, scrap metal, plastic and glass. The waste is collected in 1.25 m³ sized skips at the individual areas (such as the beverage plant, despatch, canned foods etc.) and transported to the much larger bins (25 m³) at the recycling centre at Golden Circle. Golden Circle has now completed colour-coding of the individual skips so that each waste stream has a designated colour: white for paper, red for general waste, dark blue for metal, yellow for plastics and green for food/compost waste. Colour coded wheelie bins are also in those production areas where skips cannot be used due to quality issues. The colour of the wheelie bins matches the corresponding skips to ease recognition of all staff onsite. The total waste generated by Golden Circle for the financial year ending 2008, the tonnages sent to recycling and that sent to landfill are all included in KPI #21

KPI # 21	Tonnages of Waste Sent to Recycling and Landfill	Method
<p align="center"><u>21</u></p> <p>Estimated tonnage of consumer packaging sent (a) for recycling and (b) to landfill from on-site collection facilities.</p>	<p>Total waste generated by Golden Circle for Financial Year Ending 2008 = 21038.56 Total waste sent to recycling = 16387.06 Total waste sent to animal feed = 8969.81</p> <p align="center">(a)</p> <p>Tonnage of waste sent to recycling (including feed for dairy livestock) = 16387.06 Tonnage of waste sent to recycling (excluding feed for dairy livestock) = 7417.25</p> <p align="center">(b)</p> <p>Tonnage of waste sent to landfill = 4,651.5</p> <p align="center">***See the following table and graph for all information***</p>	<p>Golden Circle has a dedicated Waste Tracking Database. All waste that leaves the site is entered into the database as per the delivery docket number. The database tracks the following information:</p> <ul style="list-style-type: none"> • Docket Number • Date • Waste Type • Carrier • Destination • Tonnage • Date

The following table and graph shows the waste by type for the financial year ending 2008. The wastewater treatment plant (WWTP) mud and the fruit and vegetable waste from the hopper are sourced from the primary treatment plant processes and are sent to a composting recycling station as well as to other farmers as a soil enhancer. All of the other fruit and vegetable material is sent to dairy farmers as feed for livestock.



During the reporting period the composting facility that was receiving the fruit waste and effluent mud, closed. This resulted in these two waste streams going to landfill for a period of time. We have since sourced another composter to receive the fruit waste and a group of strawberry farmers are utilising the effluent mud as a soil conditioner.

The total quantity of waste produced has fallen dramatically since the previous reporting period (31,430.85 tonnes) and this can be attributed to a number of factors:

- a) Overall production has declined.
- b) Poor company financial performance has been the catalyst for improving production efficiencies and minimizing waste.
- c) Deletion of many small volume product lines and elimination of processing of small quantities of 'other' fruits such as corn, peas, bananas, peaches, cucumber etc has resulted in efficiency improvements.

The percentage of total waste sent to landfill, excluding the fruit waste and mud, was 7.9%, a reduction from the 8.9% reported in 2006/07.

Tonnages of Waste by Waste Type Leaving Golden Circle for the Financial Year Ending 2008

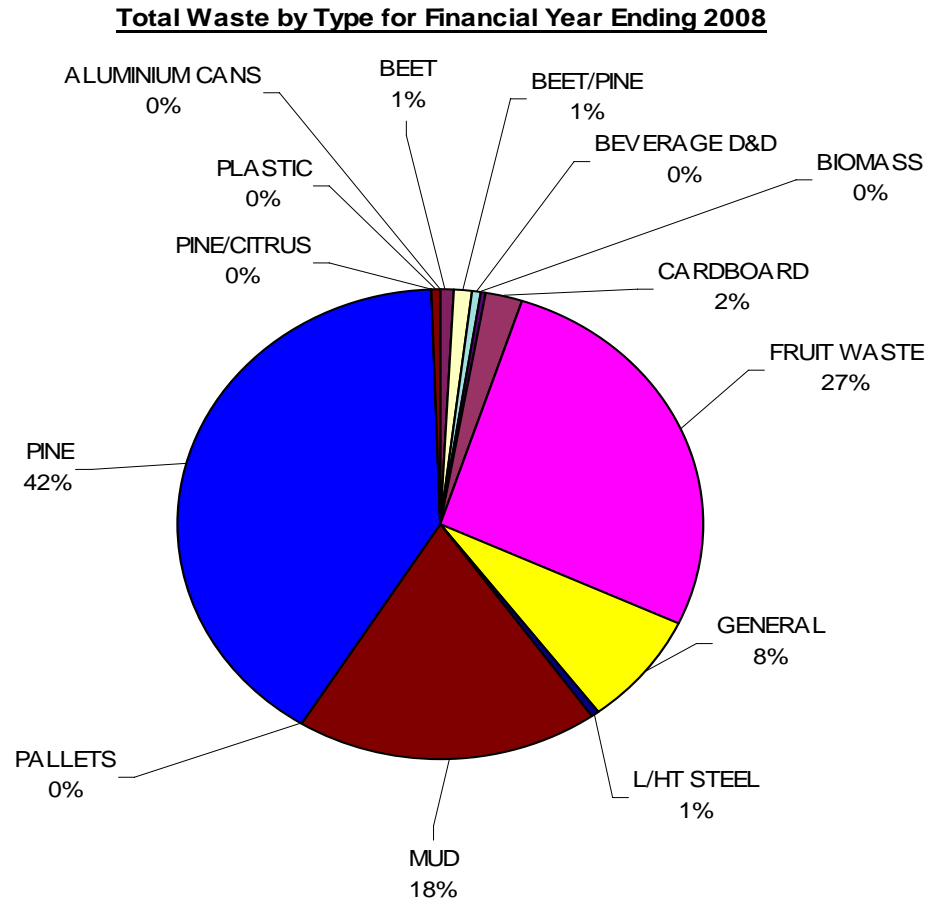
Waste Type	Recycled	Total Tonnes
ALUMINIUM CANS	Y	2.18
BEET	Y	154.1
BEET/PINE	Y	257.64
BEVERAGE D&D	Y	98.49
BIOMASS	Y	86.2
CARDBOARD/PAPER	Y	443.37
BEET	Y	154.1
F&V HOPPER AT WWTP	Y	3737.71
<i>F&V HOPPER AT WWTP</i>	<i>N</i>	<i>1939.52</i>
GENERAL WASTE TO LANDFILL	N	1659.1
LIGHT STEEL	Y	121.94
PALLETS	Y	10.58
PINE	Y	8530.69
PINE/CITRUS	Y	27.38



Waste Type	Recycled	Total Tonnes
PLASTIC – ALL TYPES	Y	102.18
WWTP MUD	N	1052.88
WWTP MUD	Y	2814.6
Total Waste		21038.56
Waste To Landfill		4651.5
Total Waste to Recycling		16387.06
Total Waste to Animal Feed		8969.81
Total Waste to Recycling Excluding Animal Feed		7417.25



Figure 1





KPI # 22	Adoption of the ECoPP
<p style="text-align: center;"><u>22</u></p> <p>Number of signatories who have formally adopted the ECoPP and developed systems for its implementation</p>	<p>All Senior Executives at Golden Circle are aware of the importance of the ECoPP and are fully supportive of it being used in all new product development decision making processes, as carried out by the Innovations Team at Golden Circle.</p> <p>Golden Circle recognizes that the post-production and post-consumer handling of packaging is a joint responsibility for the entire community, including industry. As a result, the products the Company produces are packaged to protect and preserve the product, maintain world-class product quality whilst ensuring that consumer health and safety are of paramount importance and that the packaging waste is minimized as much as possible.</p> <p>The ECoPP is designed to provide guidelines. It is not intended to take the place of the existing legislation, regulations and relevant standards issued by Standards Australia, but where conflict exists the existing regulation, legislation and Australian Standards take precedence.</p> <p>The Project Viability Assessment (PVA) for new products at Golden Circle Limited has a number of cross-functional team members who generate, approve and sign-off on every development project prior to initiation. These functions include sales, marketing, operations, technical, new product development and innovations.</p> <p>An environmental impact assessment of product packing is taken into consideration through the ECoPP and the associated checklist. This forms part of the PVA for all new product developments prior to the project being agreed on and development work commencing.</p> <p>There have been no new product developments during the reporting period and therefore there are no examples of the ECoPP checklist in use during that time.</p>



KPI # 26	Action	Target Completion
<p><u>26</u></p> <p>Implementation of Buy Recycled purchasing policy or practices</p>	<ul style="list-style-type: none"> • Implement required changes to current procurement, systems, policies and procedures to promote and increase the use of recycled content products • Due to quality issues the pcr content of the 1.5Lt PET carbonated soft drink bottle has been reduced from 25% to 15%. The other PET bottles supplied by Visy do not yet have any pcr content however this is expected to improve as issues of supply and bottle quality are addressed. • Establish recycled content improvement targets for 2007/08. This action was not progressed due to the Company restructure and a change in suppliers. It will be included in the Action Plan for 2008-2010 • Ensure recycled content improvement is an agenda item for regular Supplier performance review meetings • Ensure recycled content criteria and relevant proactive programs are in place as part of future Golden Circle supplier selection policy 	<p>Complete</p> <p>Next Action Plan</p> <p>Next Action Plan</p> <p>Complete</p> <p>Complete</p>

KPI # 27	Methods for Establishing Baseline Performance Data
<p><u>27</u></p> <p>Establishment of baseline performance data</p>	<ul style="list-style-type: none"> • Waste Tracking Database for KPI # 21 • A Materials Database has been completed which allows a more readily usable source of packaging information. This is used for KPI # 1 & 6



KPI # 28	Annual Reporting against Action Plan
<p style="text-align: center;"><u>28</u></p> <p>Annual reporting against action plan</p>	<ul style="list-style-type: none"> • All data provided in this report has been verified • The action plan report for the financial year ending 2008 has been provided as per this report, as per the requirements of the Covenant • The NPC annual report is already incorporated into formal company reporting schedule • The National Packaging Covenant (NPC) is recognized by Senior Management & the CEO at Golden Circle as a systematic approach to conserving packaging materials
KPI # 29	Improvement and Achievements against Individual Targets & Milestones
<p style="text-align: center;"><u>29</u></p> <p>Demonstrated improvement and achievements against individual targets & milestones</p>	<ul style="list-style-type: none"> • The volume of readily recyclable material used in packaging is currently 99.97% for Golden Circle, Northgate which is the same as the last reporting period and an improvement over the baseline year. It is 98.81% for the Original Juice Company, an improvement over the previous period during which it was 98.57%. • The percentage of waste going to landfill, excluding fruit waste and mud, has decreased from 8.9% to 7.9%. • Ongoing conversion to shelf-ready packaging has resulted in further savings of 698.74 tonnes of cardboard this financial year. • The total quantity of waste generated onsite is down by 33% from the last reporting period, a significant amount and far in excess of the reduction in production volumes.



Appendix 1

Key Outcomes for the Packaging Stewardship Forum

Program Area	Outcome
Resource Recovery – Away from Home	Pubs and Clubs Recovery – program has involved trials of the BottleCycler in 170 hospitality venues in Victoria and NSW. Total glass recovered so far = 480 tonnes.
	The icon projects - setting up of infrastructure and collection systems in selected major venues has continued with the additions of Sydney International Airport, NSW, Bellerive Oval, Tas and Red Bull Air Race, WA among the 11 projects for 2007/08. A total of 207.09 tonnes of material was collected.
Litter Education and Prevention	57 new townships, venues and organisations have adopted the Do The Right Thing message in addition to the 189 that have already implemented the message over the last few years.
	The roaside and carpark litter management program has had four major projects involving the Hume Highway Litter Campaign, NSW/Vic, the Barwon Region Highway Litter Campaign, Vic, the Mackay Regional Council, Qld and the 'Do the Right Thing' Litter Campaign, Tas.
	Twelve training sessions were held nationally for government and relevant contractors in the optimal bin placement for away from home litter management and resource recovery. Ninety-two attendees completed the course.
	Launch of the Clean Up Book, designed to address litter and recycling issues in indigenous communities, in Darwin and distributed to 44 indigenous communities.

This report is endorsed by:

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