



## Signatory Name: Frosty Boy Australia

*The question numbers in this report refer to the numbers in the report template. Not all questions are displayed in this report.*

Status: Complete

The content in this APC Annual Report is hereby endorsed by the Chief Executive Officer, or equivalent officer of the organisation.

Yes

**5. Industry sector** (please select 1 only):

- Brand Owner / Wholesaler / Retailer
- Packaging Manufacturer
- Waste Management
- Other - Commercial Organisation
- Community Group
- Industry Association
- Government
- Raw Material Supplier
- Other:

**7. Please indicate your organisation's reporting period:**

- Financial Year: 1 July 2014 – 30 June 2015
- Calendar Year: 1 January 2015 – 31 December 2015

**Goal 1: Design**

**KPI 1: % of signatories with documented policies and procedures for evaluating and procuring packaging using the SPGs or equivalent.**

9. Does your company have documented policies and procedures for evaluating and procuring packaging using the SPGs or equivalent?

- Yes  No

Provide details of policies and procedures

We have 4 main types of packaging:  
 1. Foil/Film for making bags (form-fill-seal process, this material is product contact)  
 2. Cartons  
 3. Pallet pads  
 4. Shrink wrap for palletised products  
 The introduction of any new form of these is captured by these procedures/forms, which include a reference to the QA manager signing off on checks against SPGs.  
 PD SOP 9.01.1 - Product Development Process and Checklist  
 PD Form 9.02.4 New Packaging Information Form

10. Of the types of packaging **existing at the beginning of the reporting period**, what percentage had been reviewed using the Sustainable Packaging Guidelines (SPG) by the end of the reporting period?

%

11. Have any new types of packaging been introduced during the reporting period?

- Yes  No

12. If yes, of the **new types of packaging introduced during the reporting period**, what percentage have been reviewed using the Sustainable Packaging Guidelines (SPG) by the end of the reporting

%

13. Please indicate your progress this year towards achieving your annual targets and milestones for KPI 1

	Target: According to your Action Plan, what did you set out to do?	Actual: What did you achieve?
1.	Assess all new packaging against the SPG, utilising our industry experts. The guidelines are informally in use in the assessment of new packaging and reviews of current packaging, but we must formalise the use of the SPG in our procedures and show documented assessments in the coming year	There has been no "new" packaging introduced. We have plans for new packaging format in 2016 - this will be assessed as per our procedures  R&D, Procurement and QA staff are all aware of the APC requirements and SPGs to be reviewed as part of packaging introduction.

14. Describe any constraints or opportunities that affected performance under this KPI

With the discussions around the APC reporting last year it has raised awareness in various teams - A project has been suggested to decrease our foil consumption, by using a less thick foil (reduction of up to 10µm) trials will commence in 2016.  
 This could be a major contributor to environmental program - foil is used to wrap EVERY product we make.

Goal 1: Design

KPI 1: % of signatories with documented policies and procedures for evaluating and procuring packaging using the SPGs or equivalent.

Rating

3

Rating Comments

It's great to see that you have an effective policy in place and have reviewed 100% of existing packaging. We encourage you to report in detail next year as to the progress of your new packaging formats.

For future reporting, consider providing additional details and insights on how outcomes relating to your SPG assessments were achieved and potential future steps. You might also consider updating your targets to reflect new initiatives and goals around your new packaging formats.

**Goal 2: Recycling**

**KPI 3: % signatories applying on-site recovery systems for used packaging.**

15. Do you have on-site recovery systems for recycling used packaging?

- Yes at all facilities/ sites
- Yes at some, but not all facilities/ sites
- No

16. Please indicate your progress this year towards achieving your annual targets and milestones for KPI 3

	Target: According to your Action Plan, what did you set out to do?	Actual: What did you achieve?
1.	Aim to reduce wastage per annum by minimum 1% proportional to volumes produced through plant	<p>General Waste, measured as m3/1000kg Produced, has decreased by 8% from 2014.</p> <p>Recycling, measured as m3/1000kg Produced, has increased,</p> <ul style="list-style-type: none"><li>- cardboard is up 34%,</li><li>- plastic is up 11%</li><li>- bulk bags recycling as fallen by 7% as we are finding other uses for them, e.g. using them to collect waste material for disposal on site, and staff using them as garden tidy bags etc.</li></ul> <p>All suppliers were requested to provide recyclable packaging where possible.</p> <p>Recycling points in the plant have been co-ordinated to ensure they are in the easiest locations for staff to store materials.</p>

17. Describe any constraints or opportunities that affected performance under this KPI

Compacting an increased amount of recyclable cartons has meant we have eliminated the need to transport a large cardboard recycling bin to our recycler - so by compacting the material directly onsite we reduce the environmental impact of transport.

Some of our suppliers were unable to provide us with raw materials packaged in multi-wall bags that could be separated for recycling.

We have changed our recycling provider, and they are able to take these plastic and paper combination bags for recycling, instead of them being part of our waste stream.

Goal 2: Recycling

KPI 3: % signatories applying on-site recovery systems for used packaging.

Rating

4

Rating Comments

You have met the key requirement of this KPI, having on-site recovery across all your sites, and it is good to see that baseline data is being collected and measured year on year, and that your target incorporates a measurable indicator of success. You may also consider reviewing whether there are any additional streams of recycling that could be captured, e.g. batteries, electronic devices; or working with your new recycling provider on ways to increase recycling.

**KPI 4: Signatories implement formal policy of buying products made from recycled packaging.**

18. Does your company have a formal policy of buying products made from recycled packaging?

Yes  No

Please explain why not

Our foil is food grade and must be suitable for food contact. We have investigated recycled cartons, but these are not suitable for our business, a far greater amount of board is required to provide the same strength as virgin cartons, resulting in higher shipping weight costs.

19. Is this policy actively used?

Yes  No

20. Please indicate your progress this year towards achieving your annual targets and milestones for KPI 4

	Target: According to your Action Plan, what did you set out to do?	Actual: What did you achieve?
1.	Investigate opportunities to purchase recycled materials, especially cartons and cardboard which are not product contact.	In areas where there is no impact on food safety, we have ensure recycled options are investigated. For example; our pallet pads <i>are</i> 100% recycled, there is no food contact at this level. On <i>average</i> our cartons would now be made from 45% recycled materials. They aren't 100% because of the strength required from kraft (virgin – plantation) papers to support our non self-supporting heavy product.

21. Describe any constraints or opportunities that affected performance under this KPI

On *average* our cartons would be made from 45% recycled materials. They aren't 100% because of the strength required from kraft (virgin – plantation) papers to support our non self-supporting heavy product. Being a food manufacturer means we are restricted in areas where recycled materials can be used.

We had listed 4 main types of packing material:

1. Primary Foil (not recycled)
2. Secondary carton (strength from virgin board is necessary due to the 'soft' internal packaging)
3. Pallets (Chep and Loscom reusable pallets used where possible - heat treated export pallets instead of chemically treated pallets have been used since 2014)
4. Shrink wrap (Plan to investigate if this can be made from recycled material)

This year we identified that we also purchase another main packaging stream;

"5. Multiwall Kraft Bags". These were missed in the initial list as they are not a finished product package - used internally for Work In Progress.

The supplier has been asked for their environmental credentials - the bag is food contact, so is not made from recyclable materials, however it was chose to be a separable bag and the inner plastic can be separated from the outer paper to make it easier for recycling.

Goal 2: Recycling

KPI 4: Signatories implement formal policy of buying packaging made from recycled products.

Rating

4

Rating Comments

Despite no formal procedure to buy recycled products, it appears that you are doing so in practice where practicable. It is great to see that you are considering environmentally friendly alternatives for your major packing materials. APC has a resource to assist in the use of recycled materials in food contact applications which may be of value going forward: <http://bit.ly/1FNwotQ>

To improve, and to ensure you meet the requirement of this KPI, we encourage you to implement a formalised policy around recycled packaging. This can include office supplies and other procurement. You might also consider undertaking a trend analysis on how the purchasing of recycled products has increased over time.

**Goal 3: Product Stewardship**

**KPI 6: % signatories with formal processes to work collaboratively on packaging design and / or recycling.**

22. Does your company have formal processes in place for collaborating with other companies or organisations on improved packaging designs and/or recycling which aims to reduce or eliminate waste?

Yes

No

Provide details of policies and procedures (including names of policies/ procedures)

For our high volume packaging requirements we work with industry leaders who are signatories to the APC (e.g. Orora supply our cartons and pallet pads)

PD SOP 9.01.1 - Product Development Process and Checklist  
PD Form 9.02.4 New Packaging Information Form

23. Please indicate your progress this year towards achieving your annual targets and milestones for KPI 6

	Target: According to your Action Plan, what did you set out to do?	Actual: What did you achieve?
1.	Identify opportunities with suppliers to -improve packaging design -recycle packaging -supplier recovery or reuse of delivery cartons	Our foil supplier has suggested we embark on a project to reduce foil thickness. They believe up to 10 µm reduction could be possible without any detrimental affects on the barrier properties. This has now been listed as one of the Product Development & Procurement Projects for 2016  Two major Raw Material suppliers were able to change their packaging to separable bags that are easier to recycle, at our request, this helped us to increase recycling until we found a recycler that could take combined bags.  We have already found recycling uses for all delivery materials that are single use as >90% of inwards goods have single use packaging (multiwall sacks) or come directly on pallets with only shrink wrap protection. (e.g. foil and cartons)

24. Describe any constraints or opportunities that affected performance under this KPI

Goal 3: Product Stewardship

KPI 6: % signatories with formal processes to work collaboratively on packaging design and / or recycling.

Rating

3

Rating Comments

Well done on your policy to work with suppliers to on sustainable product stewardship, particularly with regard to your initiatives with your foil and raw material suppliers. It is great to see that you have a process in place for successful collaboration, and that you have projects underway.

In order to drive future collaboration, you may wish to consider becoming more informed about options to improve the environmental performance of your supply chain. There is a reference about this here: <http://bit.ly/1fT4InL>.

**KPI 7: % signatories showing other Product Stewardship outcomes.**

25. Please indicate your progress this year towards achieving your annual targets and milestones for KPI 7

	Target: According to your Action Plan, what did you set out to do?	Actual: What did you achieve?
1.	Initiate review of organisation's energy use via an audit program and identify range of saving opportunities	<p>Significant resources were directed to the investigation of installing solar power units on the roof our our building. We were initially hopeful of installing solar during this financial year, however removal of government subsidies made this financially no longer viable. A review is planned by our COO for 2017, when it is anticipated the improvements made by Tesla batteries could be a driving factor.</p> <p>An investigation was requested by the COO into our increased use of electricity this year. Results showed that there had been quality issues related to high humidity in the production facility. It was found that only two of the three HVAC units were operational during the first year of operation at this site. Re-installing the non-operational unit has significantly increased energy consumption, but is required to meet food safety standards.</p>

26. Since the beginning of the reporting period, has your company had any other outcomes related to product stewardship?

Yes  No

If yes, please give examples of other product stewardship outcomes

Water monitoring shows our water usage has significantly decreased from the previous year. We have implemented better cleaning tools, and chemical dosing stations. A total reduction of over 25% water usage from 2014 to 2015.

27. Describe any constraints or opportunities that affected performance under this KPI

Our water usage over the first 10 months of 2015 decreased by over 30% from 2014, then poor Gold Coast City Council trade waste results required a re-evaluation of our procedures. With less water being put through our trade waste, there was an opportunity for bacterial growth to decrease the pH and increase the phosphate levels in our trade waste. The GCCC recommended regular flushing of the sump to discourage the bacterial growth. After two months of this we have a total reduction of over 25% water usage from 2014 to 2015. This trial flushing will remain until we can demonstrate if there is an effect on our trade waste quality.

Goal 3: Product Stewardship

KPI 7: % signatories showing other Product Stewardship outcomes.

Rating

2

Rating Comments

Well done on reducing your water usage by 25% during the year. This KPI is an opportunity for signatories to report on any of their broader sustainability activities - your commitment to sustainability initiatives across a number of areas. You may also wish to consider reporting on other initiatives, such as charitable donations or community based activities. This resource provides examples of other APC signatories' actions and targets which may be appropriate to you business: <http://bit.ly/1z9sAhU>

**KPI 8: Reductions in packaging items in the litter stream.**

28. Please indicate your progress this year towards achieving your annual targets and milestones for KPI 8

	Target: According to your Action Plan, what did you set out to do?	Actual: What did you achieve?
1.	Reduction in foil usage and dumping. Identify key areas with production facilities where packaging used by staff is most likely to become litter and develop systems to better capture. This will likely be amenities areas – may want to extend to cigarettes.	Waste foil is a challenge for us, it is not recycled in Australia under normal circumstances. Our waste disposal company is able to take limited quantities for recycling, if we keep it baled separately. Waste foil bins have been installed in production areas, it is now baled and stored separated from general waste.  Regular sweeping of our site is carried out by an external contractor.  Littering is not an issue at our site. Bins are conveniently located and used correctly. Outdoor smoking area has a cigarette butt disposal bin, this is used by the smokers. Weekly GMP audits report no littering observed, and no butts observed anywhere on site or surrounds that may have come from this site.

29. Describe any constraints or opportunities that affected performance under this KPI

Finding a way to effectively recycle our foil packaging waste - sending it off-shore creates a further environmental burden.

Goal 3: Product Stewardship

KPI 8: Reductions in packaging items in the litter stream.

Rating

3

Rating Comments

Good work on your progress to date. We encourage you to continue to work with your waste disposal company on foil recycling and minimising your litter on site.  
You could also consider participating in litter reduction activities in your local community, such as Clean Up for Business, or litter reduction strategies aimed at customers, such as labelling your products with correct disposal information.

## Your Experiences

This section lets you share with us any achievements, good news stories and areas of difficulties in making progress against your plan and the Covenant goals and KPIs.

### 30. Key achievements or good news stories

Since last year there have been more people interested in recycling, packaging design and improvements, there has been a build of knowledge overall in the groups - prior to this the majority of the responsibility and knowledge was held by the previous Quality Manager.

### 31. Areas of difficulties in making progress against your plan, Covenant goals or KPIs

It was disappointing for the team investigating solar power to find there were no longer sufficient incentives to make it financially viable - but good that they will be persisting and reassessing as technology improves.

## Summary of ratings:

KPI	2016 Rating (0-5)	2015 comparison	2014 comparison	2013 comparison	2012 comparison
KPI 1	3	n/a	n/a	n/a	n/a
KPI 3	4	n/a	n/a	n/a	n/a
KPI 4	4	n/a	n/a	n/a	n/a
KPI 6	3	n/a	n/a	n/a	n/a
KPI 7	2	n/a	n/a	n/a	n/a
KPI 8	3	n/a	n/a	n/a	n/a
<b>Average rating for this signatory</b>	<b>3.2</b>	-	-	-	-
<i>Average rating across all signatories</i>	<i>TBC</i>	3.0	2.8	2.9	2.8

Great job this year, on improving your overall score and scores across most KPIs. Overall, this was a well-prepared report that met the requirements for all KPIs and demonstrated your commitment to packaging sustainability and recycling. You have outlined some great achievements and initiatives across your targets.

To further improve your performance, it is recommended that you ensure your plan contains actions and targets that align with SMART principles. Targets should include both qualitative and quantitative measures of success. This will ensure that assessors in future reports are able to accurately assess your progress. A resource to help you is available here: <http://bit.ly/1gZAxzT>.

To improve still further, you may find it valuable to consider:

- Contacting the APC for information on ways to go beyond the basics and work with your peers on achieving improvements in packaging design, sustainability, recycling, and litter reduction.
- Reviewing the action plans and annual reports of high-performing signatories and identify opportunities to improve your plan. They are available here: <http://bit.ly/1QQ3jAM>