



**Dy-Mark (Aust) Pty Ltd**

## **National Packaging Covenant**

### **Annual Report**

**2009 - 2010**

#### **Company Details**

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# 1. Executive Summary

Dy-Mark (Aust) Pty Ltd (Dy-Mark) is an Australian owned company specialising in Coatings and Identification solutions. As a key supplier to the Timber, Steel, Surveying, Mining and Rural Industries, we manufacture and distribute a vast range of quality products within the following categories.

- Coatings
- Paints
- Inks
- Crayons and Markers
- Packaging Materials

Supporting Australian manufactures and distributors, we combine practical solutions to supply chain challenges with expert technical support included in the following.

- Barcode Systems
- Integrated Software
- Label Applications
- Inkjet Systems
- Label Printers

Dy-Mark is committed to its continual improvement of Environmental Management Systems including the National Packaging Covenant signatory status and associated actions.

Dy-Mark presents its third Annual Report for the NPC for 2009 to 2010. This Annual Report continues Dy-Mark's commitment to Environmental Management and the reduction of Landfill bound waste materials.

Dy-Mark is committed to the National Packaging Covenant and continues to strive to achieving its KPI's and setting new company standards under the APC guidelines. Our updated annual report follows below, which also includes a baseline KPI comparative.

## Packaging Selection and Design

### **Establish Packaging Register**

Dy-Mark has a register of all packaging that originates from goods and raw materials supplied to the company both in the manufacture of its goods and in distribution of those goods within Australia.

The register describes in general terms the type of packaging used, its purpose and or performance.

Please refer to SCHEDULE 1 for a copy of Dy-Mark's Packaging Register.

### **Review Packaging Design**

We are continually reviewing our outer packaging design and material to ensure the materials are recyclable and do not have any adverse effects on the environment. We have also be trialling cartons with increased percentages of recycled cardboard with little success. We are looking to including on our cardboard cartons the recycling symbol to inform personal that the material can be recycled after our use.

As shown in the Packaging Register (schedule 1) the overwhelming majority of products used in the packaging for sale and packaged raw materials purchased can be recycled. ??% of all packaging material used is capable of being recycled

In consideration and investigation into the effects on the environment, it is found that when the materials are recycled through the correct recycling streams there would be no significant effect on the environment.

### **Choice of Packaging**

Dy-Mark has reviewed its packaging processes and is satisfied at this time that its product has the capability to be recycled by collection and downstream processes. The design and choice of our packaging has to comply with the Australian Dangerous Goods requirements as a large amount of our products is class 2 or 3.

## **Filling**

### **Establish Benchmark for Spoilage Rates and Improvement Target**

Dy-Mark is striving to continually improve the spoilage rate. We have established a benchmark for spoilage rates on our aerosol line; this information is compiled from the work orders where all spoilage / rejects are recorded.

Outlined below is the benchmark baseline established from 2007-2008 spoilage rate information supplied, the 2008-2009 results and 2009-2010 results measured against the baseline:

#### **2007 – 2008**

% spoilage rate	0.756%
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#### **2008 – 2009**

% spoilage rate	0.557%	%change	-26.3%
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#### **2009 – 2010**

% spoilage rate	0.48%	%change	-33%
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The results show that the improvement target of 5% reduction in the spoilage rate has been achieved in the past 2 years due to the control measures in place. Dy-Mark expects the spoilage rate to be further reduced in the next reporting period.

### **Recovery of spoilt or Damaged Cans**

Recycling of spoilt or damaged cans plus metal containers has continued since last year. In 2009 – 2010 period 1,445kg of ferrous metal has been processed.

## **Labelling**

### **Packaging and Product Disposal**

Dy-Mark has not changed the product disposal information from previous year's modifications. The main reason for this is that the previous modifications are the most appropriate and cost effective.

At present Dy-Mark has:

1. placed the recyclable logo on its steel cans
2. added disposal information to all Technical and Material Safety Data Sheets
3. embossed all plastic bottles / containers used in the production of bulk inks with the recycling logo and type

### **Waste Audit Production**

As identified by the waste audit conducted and mentioned in 2008 – 2009 Annual Report.

Dy-Mark has introduced:

- A cooling tower which has reduced our water consumption by approx 80%, and
- Installed a vat-cleaning machine that has reduced by approx 90% our cleaning solvent quantity, also we have started using some recycled cleaning solvent for the cleaning of other machine parts within the factory.

### **Recycling and Reprocessing**

Dy-Mark has continued to use cardboard cartons, which are manufactured from 66% recycled material.

After trialling, some cartons that consisted of 100% recycled cardboard we found that the product was not satisfactory for our requirements. The product either lacked strength or was too thick for the mechanical packing equipment. The cost per carton was dearer although this was not a factor in our rejection of the cartons.

Dy-Mark has placed on hold the waste separation program that was expected to commence some time this year. The program was to separate waste into different streams e.g. metal, cardboard / paper, plastic

categories. This was due to a reduction of personnel caused by the financial crises, change of priorities and lack of resources. Dy-Mark is considering the prospect of this commencing mid 2011 or early 2012.

### **Education**

The supported at all levels in reduction of paper waste is continuing. While this has not changed from last year, the following is still accomplished:

- Avoiding printing out of unnecessary computer based information.
- Re-use of paper for notepads
- Computer based emailing and faxing. We are extending the computer based faxing out to some of our outer areas in 2010.

We have also extended the program to recycling our printer cartridges and are look at other ways in which we can expand the program.

### **Resources**

Dy-Mark will continue to allocate necessary resources to meet its obligations under the Australian Packaging Covenant and will continue to review areas of improvement.

## **2. Environmental Management System**

Dy-Mark as a signatory to the Australian Packaging Covenant, and as a packaging user acknowledges its commitment to the Environmental Code of Practice for Packaging and advancing environmental standards in the following areas:

- Implementing and following where practicable the Sustainable Packaging Guidelines.
- Implement and promote the principle of product stewardship for packaging from its start of life to its end of life by recycling.
- Conform to industry waste reduction agreements and plans.
- Support appropriate recycling systems.
- Continue to develop our packaging consistent with the appropriate legislation and Australian Standards but also with public health, safety and environmental concerns.
- Minimise waste through improved packaging design.
- Participating in the development of markets for recycled materials.
- Encouraging progress up the waste hierarchy from dump / recover / re-use / reduce.
- Seeking wider recognition of the Environmental Code of Practice for Packaging.

Through its action Dy-Mark commits to reducing packaging waste, as well as helping to achieve the national recycling target of 65% and contributing targets for materials used by Dy-Mark, namely paper and cardboard 70%; glass 50%; steel 60% and plastics 30%.

Dy-Mark has a comprehensive Site Based Management Plan (SBMP), established and implemented, which incorporates and clarifies environmental product stewardship initiatives including existing policies and procedures. Dy-Mark is committed to the maintenance and enhancement of its SBMP, its policies and procedures contained within.

## **3. Annual Report Conclusion**

In presenting the third annual report addressing action plan achievements Dy-Mark believes that improvement can be demonstrated by reference to both the report and quantitative measures in the KPI's. The base line data has been a large factor in identifying and determining areas for review and the development of our next action plan.

Dy-Mark is aware of areas where improvement is obtainable e.g. recycling of paper / cardboard, plastic. Even though we have had a lower production year than previous years, we are pleased that we have not gone backwards in our endeavours and have continued to improve in those areas where we have fully implemented the system. This year's data is again an improvement from last year and again we expect to advance as we improve our recycling systems and staff education. Dy-Mark has utilised the Production Stewardship categories in pursuit of the action plan targets to great effect.

## 4. Key Performance Indicators

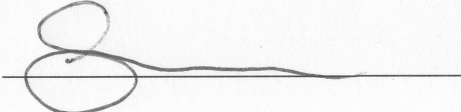
Key Performance Indicator	Actions	Responsibility	Performance Measure (qual or quant)	Progress																						
1. Packaging produced (weight and compared to product)	Document what systems / processes implemented or planned to be implemented to record quantities to record quantities sold into the Australian market	Executive Management	Quantitative (data to NPC) Refer Schedule 2 for baseline data	<p><u>KPI 1A</u></p> <table> <thead> <tr> <th><u>Local</u></th> <th><u>Tonnes</u></th> </tr> </thead> <tbody> <tr> <td>• Cardboard standard</td> <td>91.58</td> </tr> <tr> <td>• Plastic 1 (PET)</td> <td>0.07</td> </tr> <tr> <td>• Plastic 2 (HPDE)</td> <td>4.20</td> </tr> <tr> <td>• Plastic 4 (LDPE)</td> <td>45.79</td> </tr> <tr> <td>• Plastic 5 (PP)</td> <td>36.24</td> </tr> <tr> <td>• Steel</td> <td>330.22</td> </tr> <tr> <td>• Composites</td> <td>19.07</td> </tr> <tr> <td colspan="2"><u>Imported</u></td> </tr> <tr> <td>• Glass</td> <td>19.07</td> </tr> <tr> <td><b>Total</b></td> <td><b>546.24</b></td> </tr> </tbody> </table> <p><u>KPI 1B</u> <b>Total product</b> <b>1460.68</b></p> <p><u>KPI 1C</u> Ratio of product to packaging = 2.674:1</p>	<u>Local</u>	<u>Tonnes</u>	• Cardboard standard	91.58	• Plastic 1 (PET)	0.07	• Plastic 2 (HPDE)	4.20	• Plastic 4 (LDPE)	45.79	• Plastic 5 (PP)	36.24	• Steel	330.22	• Composites	19.07	<u>Imported</u>		• Glass	19.07	<b>Total</b>	<b>546.24</b>
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6. Non-recyclable packaging	<p>Report tonnage of non-recyclable packaging sold by material type and total.</p> <p>Report non-recyclable packaging as a percentage of total packaging sold</p>	Executive Management	Quantitative (data to NPC) Refer Schedule 3 for baseline data	<p><u>KPI 6A</u></p> <table> <tbody> <tr> <td>• Plastic 4 (LDPE)</td> <td>45.79</td> </tr> <tr> <td>• Plastic 5 (PP)</td> <td>36.24</td> </tr> <tr> <td>• Composites</td> <td>19.07</td> </tr> <tr> <td><b>Total</b></td> <td><b>101.10</b></td> </tr> </tbody> </table> <p><u>KPI 6B</u> <b>Total % non recyclable</b> <b>0.185%</b></p>	• Plastic 4 (LDPE)	45.79	• Plastic 5 (PP)	36.24	• Composites	19.07	<b>Total</b>	<b>101.10</b>														
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16. Post-consumer recycling facilities	Document the availability and use of recycling facilities (provide details)	Executive Management in conjunction with all signatories	Quantitative	<p><u>KPI 16A</u> Metal recycling</p> <p><u>KPI 16B</u> We have a steel recycling bin on site for all rejected and or damaged cans and any other metal.</p> <p>We also return to the supplier for reuse the cardboard containers &amp; dividers from the cans. We return all used 205L steel drums for reuse / reconditioning. Timber pallets are returned to supplier for reuse or used in transportation of finished produce to clients.</p> <p>A review and possible implementation of recycled cardboard, paper and plastics, conducted in 2011.</p>
21. Packaging to landfill or recycled	Document system / process to provide data on amount of packaging directed as KPI as proportion of total waste	Executive Management in conjunction with all signatories	Quantitative (data to NPC) Refer Schedule 4 for baseline data	<p>Waste removed for recycling     <b>8.6%   7.74 tonnes</b> Waste removed for landfill     <b>55.6%   50.02tonnes</b></p> <p>Dy-Mark's operations site waste since May 2008 is used at Methane Gas Generating Facility (Ti Tree Bio Energy) after being removed by a waste contractor.</p>
22. Formal adoption of ECoPP	<p>Report on whether the ECoPP has been formally adopted.</p> <p>Document actions and commitments that demonstrate how the ECoPP will be implemented</p>	Executive Management in conjunction with all signatories	Quantitative	<p>ECoPP has been formally adopted but due to the world financial crisis causing, a slow down in production and reduction in work force has not been fully implemented. In saying this, the objectives of the code are complied with within the general concept of the code.</p> <p>The implementation of the ECoPP is to be reviewed early 2011 and possible put into practice by the end of 2011.</p>

Key Performance Indicator	Actions	Responsibility	Performance Measure (qual or quant)	Progress
26. Buy recycled policy	Report on whether Dy-Mark has implemented and complied with the policy and practices	Executive Management in conjunction with all signatories	Quantitative (data to NPC) Refer Schedule 5 for baseline data	Amount of product purchased that has recycled content (tonnes) = <b>88.47 tonnes</b> <ul style="list-style-type: none"> <li>• Cardboard standard 84.20</li> <li>• Plastic 1 (PET) 0.07</li> <li>• Plastic 2 (HPDE) 4.20</li> <li><b>Total 88.47</b></li> </ul>
27. Baseline data	Report of baseline performance data	Executive Management	Quantitative and Qualitative	Refer report
28. Annual reporting against plan	Report against objectives and targets outlined in the plan and the provision of company baseline data	Executive Management	Quantitative and Qualitative	Third annual report completed
29. Demonstrate improvement	Annual report to clearly demonstrate continuous improvement and performance against targets in action plan	Executive Management	Qualitative	Continued effects in maintaining and reviewing new and current action items

## 5. Executive Endorsement

Gary Nuss  
Senior Executive

 Date: 29/11/10