3R Packaging Awards 2010

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MEMBERS OF THE SINGAPORE PACKAGING AGREEMENT GOVERNING BOARD ANNEX
The Singapore Packaging Agreement was set up by the packaging industry and government to reduce packaging waste. The Agreement initially covered only food & beverage (F&B) packaging, as this was one of the most common types of packaging waste generated by households. In Oct of last year, the Agreement widened its focus and expanded to cover all types of packaging waste.

Our signatories now include manufacturers of packaging and consumer electronic products as well as food and beverage signatories. We also have signatories who are owners and managers of buildings, hotels and shopping malls. Whilst these signatories do not generally produce packaging, they play a valuable role in educating consumers and by providing recycling facilities to tenants and guests.

It was only less than a year ago since the Singapore Packaging Agreement expanded to include all industries but we already have 31 non food and beverage sector signatories. I am very happy to announce that there are already 3 winners of the 3R Packaging Awards who are not from the F&B industry.

During the first two years of the agreement, our signatories managed to reduce over 2,500 tons of packaging waste from Singapore’s waste stream. This has been of great benefit to Singapore’s environment and of benefit to the companies themselves as reducing their packaging wastes, has saved them in excess of $4 million in packaging costs.

The third year of the Agreement has seen our signatories continue to reduce the amount of packaging wastes. From this year’s award recipients alone, a total of 370 tons of packaging wastes was reduce in Singapore by a review of processes and/or use of alternative packaging materials, etc.

This enthusiastic participation to reduce packaging waste is very encouraging, and I applaud the efforts made by these companies.

Even more heartening are our signatories who have acknowledged their responsibility and demonstrated their commitment to the aims of the Agreement by making continuous efforts to reduce packaging waste. To commend this commitment and effort, we will for the first year be presenting the Gold Awards to signatories who have received consecutive 3R Packaging Awards at a Merit level or above and Platinum Awards to signatories who have received consecutive 3R Packaging Distinction Awards.

I congratulate this year’s winners of the 3R Packaging Awards. We look forward to working with all signatories next year to further reduce packaging waste, encouraging more companies to join us as signatories and to achieve the objectives of the Singapore Packaging Agreement.

Albert Lim
Chairman, Singapore Packaging Agreement Governing Board
Introduction
Singapore Packaging Agreement

The Singapore Packaging Agreement (SPA) was inaugurated in Jun 2007. It is a five-year government and industry voluntary agreement in which signatories to commit to reducing packaging waste in Singapore. The SPA Governing Board, which comprises representatives from both the public and private sectors as well as from non-governmental organisations, oversees the implementation of the Agreement. Since inauguration, the number of signatories has increased significantly to more than 100 now participating.

The first phase of the Agreement focused on the food and beverage industry as this sector generates the most packaging waste. In Oct 2009, the Agreement expanded its scope to include all industries.

Signatories have made commendable efforts to reduce packaging waste. This is achieved in a number of ways: By reducing the size or thickness of packaging, by reducing packaging materials used during logistical processes, or by using recyclable packaging materials for packaging the product itself.

This has greatly contributed to the objective of reducing packaging waste.

The 3R Packaging Awards was set up to recognise significant efforts made by signatories towards this goal. Distinction and Merit Awards are awarded to signatories who have initiated and achieved the most significant improvements contributing to the reduction of packaging waste in Singapore.

In this third year, another level of recognition has been given to signatories who have made continuous effort to reduce packaging waste. Signatories who have been awarded the Merit Award and the Merit or Distinction Award in two consecutive years are awarded with the Gold Award and signatories who have received the Distinction Award for two consecutive years are awarded with the Platinum Award.

This booklet features signatories who have achieved the 3R Packaging Distinction and Merit Awards, as well as those who have achieved the Gold and Platinum Awards.
IKANO Pte Ltd

Home is the most important place in the world. A personal space and comforting spot where family and friends gather, where children learn and grow. A place where everyone is welcome to just hang out, everyday. IKEA helps to create a better everyday life at home for the many people.

Since its 1943 founding in Sweden, IKEA has offered a wide range of well-designed home furnishings and functional living solutions at prices so low that the many people can afford them. To date, there are more than 285 IKEA stores in 36 countries, including 2 in Singapore.

MEASURES TO REDUCE PACKAGING WASTE
IKEA Singapore has stopped providing plastic bags to customers for their purchases. Instead, bio-degradable plastic bags are available for purchase, and the proceeds go to the World Wide Fund (Singapore). IKEA estimates that 2,148,000 plastic bags are saved every year, which reduces an estimated 45.5 tons of plastic packaging waste per year with annual savings of approximately $179,000.

IKEA Singapore also promotes recycling efforts among children by giving them points for newspapers brought to IKEA, under Småles children’s loyalty programme, which could be used to redeem merchandise. Instead of brown paper, the newspaper is then provided to customers to wrap their purchases. 34.1 tons of newspaper was recycled in 2009 and IKEA Singapore saved about $64,800 worth of brown paper.

OTHER ENVIRONMENTAL INITIATIVES
- Monthly, both IKEA stores in Singapore send 30 – 40 tons of carton boxes for recycling.
- In April, IKEA newsletter ‘friends’ published an article on tips to minimise household wastes.
- IKEA supported Tampines North Primary School’s initiative that encourages students to bring lunchboxes to school. IKEA gave all primary one students lunch boxes to encourage them to minimise food packaging waste.
- Every month, approximately nine tons of food waste is collected from the restaurant in IKEA Tampines sent for recycling into compost.
- Every month, approximately two tons of waste cooking oil is sent for recycling from IKEAs Tampines and Alexandra restaurants.
Nestlé Singapore Pte Ltd was incorporated in 1912. It has three plants in Singapore which manufacture food and beverage products. These include soya sauce and MILO® powder. Over 90% of these products are exported to affiliated companies in the Asia Pacific & Oceania region and some African countries.

MEASURES TO REDUCE PACKAGING WASTE
Nestlé reduced the height of cartons used to contain soya sauce products from 360 mm to 340 mm. This will reduce 2.7 tons of paper packaging waste per year, with an annual savings of $9,400.

Nestlé also reduced the height of the MILO® soft pack from 350mm to 315 mm. This will save 14.38 tons of plastic packaging waste per year, with $19,600 savings annually.

Nestlé has eliminated the use of paper cartons to pack its MILO® 900g and 3-in-1 soft packs, which were pre-packed with laminate rolls. This will save 4.2 tons of paper packaging waste per year, an equivalent of $3,600 in savings.

Nestlé reuses cocoa powder bulk bag for soya sauce by-product repacking. This will reduce 1.2 tons of plastic packaging waste per year, with $940 savings annually.

OTHER ENVIRONMENTAL INITIATIVES
- Nestlé was a sponsor of the SIMTech’s Sustainable Manufacturing Centre in November 2009 and shared with the public their practices in packaging reduction.

- In July 2009, at the Asia Food Technology Innovation & Safety Forum, Nestlé shared with participants best practices including packaging reduction. Nestlé also encouraged participants to sign the Singapore Packaging Agreement if they had not done so.

- Nestlé printed the anti-littering logo on its MILO® 900g refill soft pack to raise consumer awareness on proper disposal of waste.

- Nestlé transports its products such as pet food and confectionary products directly from the shipping ports to its distributors. This reduces both its carbon footprint and operational costs.

- During production, Nestlé produces annually, about 20,000 tons of by-products, such as spent grains. Nestlé disposed of these wet grains as organic fertilisers or use steam to dry the wet grains into animal feed. In April 2009, Nestlé collaborated with an environment solution provider which had excess green energy that they could not utilise to dry the wet grains saving 21,000 metric tons of steam, which translates to approximately $1,000,000 in savings for Nestlé.
Sunfresh Singapore Pte Ltd

Sunfresh was founded in 1981, and has increased its processing capacity many times, to cater to its customers’ increasing preference for premium fresh fruit juice. Today, Sunfresh supplies blended fruit juices to airlines, retail, hotel, restaurant and caterers throughout the Asia Pacific region.

MEASURES TO REDUCE PACKAGING WASTE
Between July 2009 and July 2010, Sunfresh changed the way their oranges were contained and now uses large carton bins. This change has significantly reduced the number of carton boxes previously used to contain oranges, reducing packaging waste by 43.1 tons per year.

In the same period, Sunfresh introduced more durable plastic pallets to replace wooden pallets, saving them more than $6,900 annually. This equates to a reduction of 8.6 tons of packaging waste per year.
Tetra Pak Jurong Pte Ltd

Tetra Pak was founded in 1951 in Sweden and has been providing carton-packed beverages to the Singaporean and Malaysian markets since 1958. Since 2007, Tetra Pak (Malaysia) Sdn Bhd manages the operations of Tetra Pak offices in Singapore, Philippines and Malaysia.

MEASURES TO REDUCE PACKAGING WASTE
Tetra Pak undertook a project to refine processes to reduce lamination material wasted during packaging. The refined processes will reduce packaging waste by 75 tons annually, approximately $150,000.

Tetra Pak has also implemented processes to re-use polyethylene trim from one of their machines into its production line, saving more than $120,000 per year. This will reduce packaging waste by 57 tons annually.

Tetra Pak now uses durable plastic pallets that can be collected back from their customers instead of wooden pallets, which saves them more than $114,000 annually.

OTHER ENVIRONMENTAL INITIATIVES
- Tetra Pak has taken an active role in educating the public on the benefits of recycling.
- Between August 2009 and July 2010 Tetra Pak launched the School Recycling Programme in 68 schools island-wide. This increased the awareness in children about recycling drink packaging.
- Tetra Pak partnered with the National Environment Agency and other companies and organisations to launch Recycling Day in September 2009.
- Between October 2009 and March 2010, Tetra Pak rolled out a series of advertisements on buses and trains, promoting the recycling of Tetra Pak drink cartons.
- Tetra Pak started a fund raising event for the charity organisation, the Lions Befrienders by selling notebooks and flowers in pots. The notebooks and flowerpots were both made from recycled Tetra Pak cartons.
Universal Integrated Corporation Consumer Products Pte Ltd

Universal Integrated Corporation Consumer Products Pte Ltd (UICCP) was incorporated in Singapore in 1974. Currently, UICCP manufactures a range of detergent products in Singapore and Malaysia. UICCP’s products include detergent brands such as “UIC Big Value”, “Spin”, “Kim Poh”, “Softscrub”, etc.

MEASURES TO REDUCE PACKAGING WASTE
In March 2009, UICCP set out to reduce packaging materials used for their products, and the improvements were completed by June 2010.

UICCP reduced the thickness of all polybags for detergent powder that were previously 120 microns, 85 microns and 65 microns to 90 microns, 75 microns and 55 microns respectively. This will reduce packaging waste in Singapore by 3.2 tons a year and save UICCP about $87,000 annually in packaging costs.

UICCP reduced the sizes of cartons for their detergent powders ‘Spin’ and ‘TL Spin’ so that the new cartons weighed 24.13% less than the ones used previously. This will reduce 0.98 tons of paper packaging per year, with an estimated annual savings of $11,000.

UICCP replaced the bottle of UIC Big Value dish washing liquid from PVC material to the lighter PET material. This will reduce plastic packaging waste by 3.2 tons and costs by $51,000 annually.

UICCP increased the number of bags of detergent powder that can be packed in to one carton (and amount of detergent powder) packed into each carton. This will reduce 13.2 tons of paper packaging waste per year, with an estimated annual saving of $13,000.

In September 2009, UICCP refined their packaging processes to reduce the wastage of refill pack material. This will reduce 0.23 tons of composite material used annually.
Ha Li Fa Pte Ltd

Ha Li Fa Pte Ltd, founded in 1987 and established in 1993, was brought to life by Mrs. Ang’s belief that a family’s prosperity is firmly rooted in the solidarity of its members. She clearly conveyed this message to her children resulting in their passionate involvement, ever since childhood, in the production of fishballs.

Since its inception, Ha Li Fa Pte Ltd, through its “BoBo” brand, has gained a firm foothold in local and international markets. Its logistics network and production processes are well developed to deliver high-quality products that cater to ever-evolving consumer tastes and demands. After all, being customer-driven has always been the core of the BoBo brand.

MEASURES TO REDUCE PACKAGING WASTE
Previously, plastic bags were used to hold products for weighing before packaging. To ensure the quality of the food products, the plastic bags were not re-used. In August 2009, Ha Li Fa replaced the use of plastic bags to plastic baskets which can be re-used. This will reduce plastic waste by 1.47 tons per year, with annual savings of more than $4,500.

OTHER ENVIRONMENTAL INITIATIVES
- Ha Li Fa has set up a recyclable collection area and a reading area with information on recycling and encourages the use of email instead of paper mail to reduce paper waste.

Hock Lian Huat Foodstuff Industry Pte Ltd

Hock Lian Huat Foodstuff is a family owned business manufacturing traditional Chinese food commonly known in Singapore as ngoh hiang hae biah. It is pioneer and the longest running manufacturer/supplier of ngoh hiang in Singapore.

MEASURES TO REDUCE PACKAGING WASTE
In August 2009, Hock Lian Huat replaced the use of double sided plastic bags to contain their products to stronger single sheet plastic bags. This will reduce plastic packaging waste by 0.12 tons per year, with annual savings of approximately $400.

OTHER ENVIRONMENTAL INITIATIVES
- Hock Lian Huat advocates reusing and then recycling of paper and has been collecting and returning plastic bottles to the recycling centre.

Kentucky Fried Chicken Management Pte Ltd

KFC Singapore opened its first restaurant in Somerset Road in 1977. Through the years, KFC has developed into a household name among consumers. As a quick service fast-food restaurant, most of the disposable packaging KFC uses are made from paper and plastic.

MEASURES TO REDUCE PACKAGING WASTE
KFC uses the half clamshell foodboard box which serves as a plate for dine-in customers. In November 2009, KFC reduced the thickness of the cardboard box from 250gsm to 210gsm. This will reduce paper packaging waste by 12.5 tons per year, with annual savings of $28,000.

From May 2010 – July 2010, KFC replaced the foodboard box used to pack the Zinger burger with a paper wrapper. This reduced paper packaging waste by 7.3 tons and an estimated $10,000 in costs.
McDonald’s Restaurants Pte Ltd

McDonald’s is the world’s largest quick service restaurant chain with more than 30,000 restaurants in over 100 countries serving 52 million customers every day.

McDonald’s opened its first restaurant in Singapore in 1979. Today, there are more than 110 McDonald’s restaurants across the island serving 5 million customers every month.

MEASURES TO REDUCE PACKAGING WASTE
McFlurry is a popular dessert at McDonald’s. In January 2010 McDonald’s reduced the length and weight of the McFlurry stirring spoon. The weight of each spoon was reduced from 6g to 4g. By May 2010, the new spoon was introduced across all restaurants. This will reduce 8 tons of plastic packaging of per year with an annual savings of $57,000.

People Bee Hoon Factory Pte Ltd

People Bee Hoon Factory Pte Ltd was founded in 1943 and incorporated in 1983. It is a food manufacturing company focusing on rice vermicelli production. Brands by People Bee Hoon Factory Pte Ltd include Chilli Brand Rice Vermicelli which has been a household brand since 1973. The company manufactures its brands and various private labels. They have crossed borders to Europe, USA, Australia, Fiji Island, Christmas Island, the UK, Cambodia and the Middle East.

MEASURES TO REDUCE PACKAGING WASTE
People Bee Hoon has reduced the thickness of the plastic packaging used for their food service pack (bulk pack) which will reduce plastic packaging waste by 0.08 tons per year.

People Bee Hoon also reduced the amount of packaging discarded due to damage during the packing process by slightly increasing the thickness of the packaging of consumer packs. This has resulted in an overall decrease in packaging waste.

People Bee Hoon reduced paper core usage by increasing per roll of plastic length from 1,000m to 1,2000m. This will reduce paper packaging waste by 0.08 tons annually.
Starbucks Coffee Singapore Pte Ltd

Since 1971, Starbucks Coffee Company has been committed to ethically sourcing and roasting the highest quality Arabica coffee in the world. Singapore is the third international country outside North America to introduce Starbucks to its discerning customers who readily embrace the Starbucks Experience.

Starbucks Coffee Singapore is a wholly owned subsidiary of Starbucks Coffee Corporation since June 2004. The first Starbucks store opened on 14 December 1996 at Liat Towers, strategically located along the nation’s renowned Orchard Road shopping belt. Starbucks coffee houses offer more than the finest coffee sourced from across the globe. Friendly people, great music and a comfortable upbeat meeting place create the famous Starbucks Experience. To share in the experience, please visit the stores or online at www.starbucks.com.sg. You can also find Starbucks on Facebook at www.facebook.com/starbuckssingapore.

MEASURES TO REDUCE PACKAGING WASTE
Starbucks Coffee Singapore is committed to encouraging customers to reduce waste by bringing in their own tumbler each time they purchase their handcrafted beverage to go.

On 15 April 2010, from 1100h to 1400h, Starbucks offered complimentary beverages to customers who brought in their own Starbucks tumblers. 2,938 customers took action to make a difference and received their beverages on Starbucks!

In their on-going programme, Starbucks offers a fifty-cent rebate to customers who bring their own Starbucks tumblers for their beverages. From April – June 2010, 24,913 cups of beverages were served in customers’ own tumblers, translating to 0.641 tons of paper and plastic packaging waste reduced.

Starlite Printers (Far East) Pte Ltd

Starlite Printers (Far East) Pte Ltd, a subsidiary of Starlite Holdings Ltd in Hong Kong, was set up in 1990. Starlite prints and manufactures high quality boxes, labels, manuals and instruction booklets for a wide range of products.

MEASURES TO REDUCE PACKAGING WASTE
Starlite established their own ink production team, training their employees to mix coloured inks from basic colours, reducing the wastage of coloured inks and their tins. This will reduce 4.8 tons of ink from being wasted annually, and 0.672 tons of metal packaging waste per year.

OTHER ENVIRONMENTAL INITIATIVES
• Starlite undertook a study on providing adequate lighting and refined its environment so that 311 less fluorescent light tubes were used. Starlite also sets a timer for its air conditioner to switch off based on production working hours. This is estimated to reduce energy consumption annually by 9,000kWh.
Thong Siek Food Industry Pte Ltd

Thong Siek is the largest and leading manufacturer of surimi-based processed seafood in Singapore with a subsidiary factory in Tianjin, China. Thong Siek has also set up a world-wide network for the trading of seafood items and the operation of numerous chain stores all over Singapore. Apart from distributing to the local market in Singapore, Thong Siek also exports widely to overseas markets including Australia, Mauritius, Sweden, France, Malaysia, Brunei, Hong Kong, China, Indonesia and USA.

MEASURES TO REDUCE PACKAGING WASTE

Since September 2009, packets of Thong Siek’s Fresh Fish Balls are packed into low-density polyethylene (LDPE) plastic bags that are 0.04mm thick, a 33% reduction in thickness from the previous 0.06mm thick LDPE bags. This will reduce plastic packaging by 1.08 tons annually, resulting in savings of $3,000.

OTHER ENVIRONMENTAL INITIATIVES

- Thong Siek Food maintains and rehabilitates their machines to reduce wastage of organic materials during production by an estimated 3.01 tons per year, with annual savings of $7,500.

- Thong Siek Food encourages simple lifestyle adjustments to reduce solid waste. For example, advocating the use of reusable utensils instead of disposable ones by providing reusable utensils in the office pantry. Thong Siek also provides boxes to office staff for collection of used paper for re-use.

Wyeth Nutritionals (Singapore) Pte Ltd


MEASURES TO REDUCE PACKAGING WASTE

Wyeth Nutrition refined their processes and packed their products in-house instead of engaging an external packing service-provider. Cartons used to ship the products to the external packer were thus reduced. From February – June 2010, 35 tons of paper packaging were reduced. Wyeth Nutrition Singapore also saved $74,000 in the amount of materials and external packing costs.

Wyeth Nutrition also changed the packaging design for one of their products by reducing the length of a pouch laminate from 230 mm to 225 mm. This reduced plastic packaging by 2.7 tons for the period April to June 2010, with an estimated savings of $22,200.
Nestlé Singapore (Pte) Ltd
(Distinction Award Winner in 2009 and 2010)

Even before it signed the Singapore Packaging Agreement in June 2007, Nestlé had been seeking more resource-efficient packaging solutions that could minimise packaging wastes arising from various aspects of its business.

Following the successful implementation of thinner tin cans for their local 1.5kg pack size MILO® tin cans in 2008, Nestlé implemented the thinner tin cans for their 1.25kg and 1.65kg pack sizes in 2009. The total amount of tin packaging waste averted from the implementation of the thinner tin cans was estimated to be 25 tons per year.

In the same year, Nestlé modified the production line of its MILO® soft pack to reduce material losses. An expected 20 tons of laminate waste was averted as a result.

Also in 2009, Nestlé reduced the dimensions of the carton boxes used to pack their MILO® soft packs. This enabled Nestlé to reduce paper packaging waste by 20 tons annually.

Other environmentally friendly initiatives that Nestlé has undertaken include using recycled paper cartons for all MILO® products. In the office, Nestlé recycles all its used inkjet and laser jet cartridges and conducted an in-house SHRED IT programme. The SHRED IT programme involves the recycling of all paper documents into a variety of useful paper products. This has resulted in an estimated saving of 15 trees between 2008 and 2009.
Tetra Pak Jurong Pte Ltd
(Distinction Award Winner in 2008, 2009 and 2010)

Tetra Pak has continually refined its processes in the manufacturing of its beverage carton packaging which has resulted in a significant reduction of packaging waste.

Since 2007, by switching to a flying setup, Tetra Pak has managed to reduce about 119 tons of paper and avoid losses of up to 144 tons of polyethylene polymer per year. In another initiative, Tetra Pak also successfully reduced the width of its polyethylene strip from 13mm to 10mm, resulting in a reduction of 35 tons of polyethylene used per year. In 2009, Tetra Pak invested in new equipment to recover polyethylene plastic for reuse in the packaging production process, resulting in a reduction of about 380 tons of plastic waste annually. In the 3 years of the Singapore Packaging Agreement, Tetra Pak’s initiatives have avoided an estimated 1,654 tons of packaging materials.

Besides implementing measures to reduce its packaging, Tetra Pak has also actively promoted the recycling of used beverage cartons to public through events such as NEA’s annual Recycling Week and by placing advertisements on buses and at train stations. Tetra Pak has also launched beverage carton recycling programmes in schools to educate children on recycling of drink packaging.
Asia Pacific Breweries (Singapore) Pte Ltd
(Distinction Award Winner in 2008 and Merit Award Winner in 2009)

Asia Pacific Breweries (Singapore) Pte Ltd (APB) brews beers and sells them in glass bottles and aluminium cans. In agreement year 2007/2008, APB modified the packaging for its products so that an estimated 116 tons of glass and aluminium packaging waste was averted annually. In December 2007, APB reduced the thickness of aluminium cans used for their beers by 0.005mm. This allowed them to reduce aluminium packaging by an estimated 36 tons per year. In June 2008, APB reduced the weight of the Tiger Quart glass bottle by 20g, which has resulted in an estimated 80 tons of glass packing waste averted.

In total, APB also reduced an estimated 52 tons of paper packaging waste arising from the logistics side of its business. In March 2008, the thickness of bottle partition boards used for export of bottled beer was reduced by 100g each, effectively averting an estimated 50.4 tons of paper packaging waste annually. In 2009, APB replaced the one-way paper cartons used to contain its multi-packs with returnable plastic containers. The replacement process took six months to implement but has resulted in an estimated saving of 1.6 tons of paper packaging waste.
Boncafé International Pte Ltd
(Distinction Award Winner in 2008 and Merit Award Winner in 2009)

In 2008 and 2009, Boncafé modified the packaging of its products, which has resulted in 2 tons of packaging waste being averted.

Prior to modification, the packaging of Boncafé gourmet blends comprised layers of polyester, aluminium foil and linear low density polyethylene that amounted to a thickness of 140microns. In 2008, Boncafé worked with its supplier to reduce the thickness of the packaging to 120microns and created a new look for its thinner packaging. This amounted to 1.5 tons of packaging material being averted annually.

In the same year, Boncafé also managed to reduce the thickness of the filter paper material for the coffee pouch used in aircrafts by 4.5gsm without compromising the quality of the product. This has reduced 0.16 tons of packaging material per year.

In 2009, Boncafé reduced the thickness of the polyethylene material used to pack instant coffee for coffee vending machines. The thickness was reduced from 140 to 100 microns, resulting in 0.22 tons of packaging waste being averted annually.

Other environmental initiatives by Boncafé include replacing polyethylene carrier bags and laminated paper bags with durable woven bags that could be reused by its customers. Boncafé also reuses wooden pallets from its suppliers and reuses corrugated carton boxes wherever possible, recycling those that are unusable. To educate consumers on reducing packaging waste, Boncafé participated in the “I’MM Reducing Waste Carnival” at IMM in May 2008 as an exhibitor.
Coca-Cola Singapore Beverages Pte Ltd
(Merit Award winner in 2008 and Distinction Award winner in 2009)

In 2008, Coca-Cola Singapore reduced its can lid weight from 3.7g to 3.4g, and its can body weight from 11.2g to 10.9g. This seemingly small reduction resulted in a saving of more than 104 tons of aluminium packaging waste annually. Similarly, Coca-Cola Singapore also reduced the weight of its 500ml and 1.5L PET plastic bottles from 29.5g to 27.5g and 48g to 46g respectively.

In 2009, Coca-Cola Singapore further reduced the weight of its 500ml bottles from 27.5g to 25g and reduced its 1.5L bottles from 46g to 44g. In addition, Coca-Cola Singapore also made changes to its production line to produce shorter neck closures for its bottles, achieving an additional weight reduction of between 1.25 to 1.32g per bottle. All these reductions reduced PET packaging waste by 203 tons per year.

Coca-Cola Singapore is also active in general recycling. Coca-Cola Singapore collects used cardboard carton trays and plastic shrink film after refilling its vending machines to send for recycling. Coca-Cola Singapore also works with external parties to recover and recycle used tea leaves which comprise a significant 20% of general waste produced in the plant. In addition, Coca-Cola Singapore encourages others to recycle. Coca-Cola Singapore incorporates the recyclable logo on all products in aluminium cans and PET bottles to remind consumers that its packaging is recyclable and to encourage recycling of the used containers. In 2009 Coca-Cola Singapore also encouraged its workers to recycle defective packaging by tripling the number of recycling bins for aluminium cans, paper and PET bottles.

Coca-Cola participates in efforts to educate consumers on the benefits of recycling, as well as collaborating with partners to promote products made from RPET, such as the 111 Navy Chair, made from 111 PET bottles.

“At Coca-Cola, we envision a world in which our packaging is seen as a valuable resource for future use. We are making this vision a reality by creating value at every stage of our packaging lifecycle, through efforts to reduce, recover, and reuse.”
Hock Lian Huat Foodstuff Industry Pte Ltd
(Merit Award Winner 2009 and 2010)

The transparent plastic bag is the packaging material most commonly used by Hock Lian Huat, a family-owned business manufacturing traditional Chinese food.

Since January 2009, Hock Lian Huat experimented with using plastic bags of different to see how they can reduce the amount of plastic packaging material used for packing their products for distribution to hawker stalls. Through switching to the use of smaller-sized and thinner plastic bags, Hock Lian Huat has estimated an avoidance of 1.4 tons of plastic packaging waste being generated and an annual saving of over $4,000 on plastic bags.

Besides implementing programmes to reduce and recycle their packaging waste inhouse, Hock Lian Huat also encourages their customers to use fewer plastic bags during purchase. The company also educates their employees on energy and water conservation measures.
Kentucky Fried Chicken Management Pte Ltd
(Distinction Award Winner in 2008, Merit Award Winner in 2009 and 2010)

In the past few years, KFC has continually reduced the thickness and dimensions of the packaging materials. In 2008, KFC reduced the thickness of small plastic bags they used to pack items for takeaway from 18 microns to 15 microns, reducing 2.9 tons of plastic materials annually.

On reducing paper packaging waste, KFC reduced the dimensions of its Home Delivery Thrift boxes, reducing 17 tons of paper materials annually. KFC also reduced the thickness of its Zinger boxes and turnover sleeves for its dessert pies, reducing another 5.3 tons of paper materials per year.

KFC’s other environmental initiatives include reducing the thickness of their napkins, and educating children on the 3Rs through its Chicky Club mascot, Chicky. Also, instead of disposal, the 10-15 metric tons of used cooking oil generated monthly at the KFC restaurants is sold to companies conducting research on bio-diesel.
Sunfresh Singapore Pte Ltd  
(Merit Award Winner in 2008 and 2009, Distinction Award Winner in 2010)

In 2008, Sunfresh switched from using corrugated cardboard boxes which were being discarded after one use, to returnable plastic trays to transport its products. This change reduced an estimated 51.5 tons of paper packaging waste annually.

In 2009, Sunfresh switched from using high-density polyethylene to polyethylene terephthalate as the packaging material for its products packed in 1L bottles and 250ml bottles. This reduced plastic packaging waste annually by 10.9 tons and 0.3 tons respectively. In addition, drink cartons with plastic spout caps used to pack fruit juices were replaced by cartons without the caps which reduced packaging material by another 0.6 tons annually.

Another environmental initiative Sunfresh has undertaken is to reuse rejected water from its reverse osmosis process to cool its mechanical equipment. The reverse osmosis process filters water to make it potable. Rejected water which was previously disposed of, is now used as a cooling medium to cool equipment and this saves a projected 1,600 cubic metres of water per annum.

From HDPE to PET
With plastic spout caps to without
Wyeth
(Merit Award winner 2009 and 2010)

Since signing the Singapore Packaging Agreement in 2008, Wyeth has implemented initiatives that have reduced packaging waste by more than 200 tons per year.

In 2009, Wyeth explored reducing the thickness of the shipper cartons used to pack their canned products for both local and overseas markets. An evaluation process found that the thickness of the cartons could be reduced from 712gsm to 512gsm. This reduction was implemented in July 2008.

Wyeth has also undertaken other environmental initiatives such as selling used wooden pallets received with incoming raw materials to a biomass cogeneration plant for use as fuel for electricity generation. Wyeth also diverts non-rework powder and sludge from its wastewater treatment process to an organic waste bio-methanisation and renewable energy plant, which is then used for generation of electricity. Wyeth educates its staff and ensures that they play their part to protect the environment by displaying relevant information on company notice boards.

Reducing the weight of carton boxes for canned products
Annex

Singapore Packaging Agreement
Governing Board

CHAIRMAN
Mr Albert Lim
Chairman, Packaging Council of Singapore

DEPUTY CHAIRMAN
Mr Sunny Koh
Chairman, Singapore Manufacturers’ Federation, F&B Industry Group

MEMBERS
Mr Wong Mong Hong
President, Singapore Food Manufacturers’ Association

Mr Rodney Goh
Vice President, Singapore Retail Liquor Shop Association

Mr Eric M Huber
Factory Manager, Boncafé International Pte Ltd

Mr Tony Loke
Executive Director, Prima Food Pte Ltd

Mr Joseph Hui
Director-General (Environment Protection), National Environment Agency

Mr Michael Ho
2nd Vice President, Waste Management & Recycling Association of Singapore (WMRAS)

Mr Wilson Ang
President, Environment Challenge Organisation (Singapore)

Mr Howard Shaw
Executive Director, Singapore Environment Council

Dr Lee Hui Mien
Research Engineer, Singapore Institute of Manufacturing Technology

Mr Ong Lye Huat
Cluster Technical Recycling Manager, Tetra Pak Jurong Pte Ltd

Mr Victor Chai Shaw Tyng
Group Category Manager for Housebrand, NTUC FairPrice Co-operative Limited

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