

Australia's Environmental Pipe

High quality Australian-made water pipe
for civil construction works made entirely
from plastic collected from kerbside recycling .



100% recycled – closing the loop

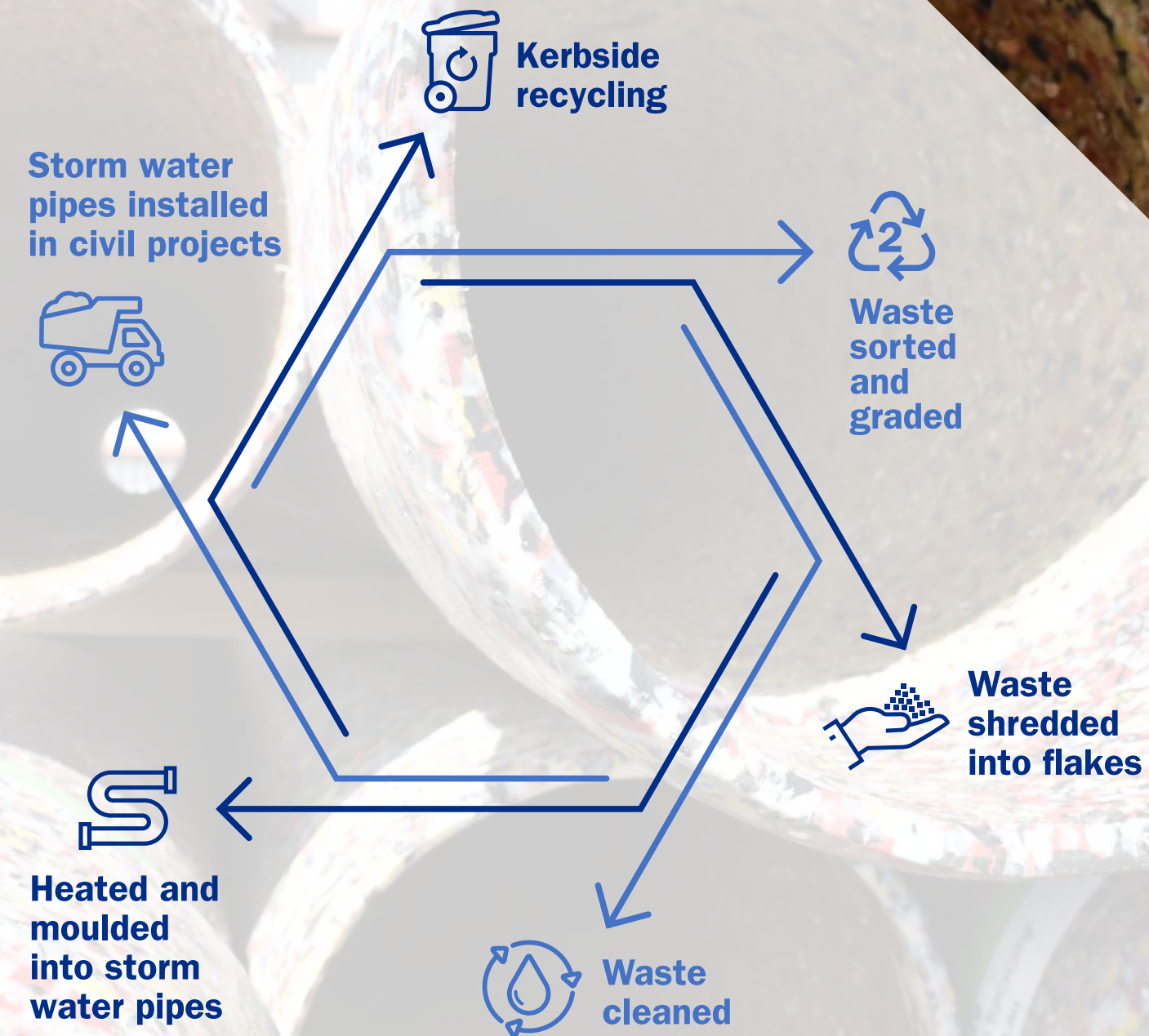
Collected beside the kerb, installed beneath the kerb

RPM pipes offer a genuine closed-loop recycling solution – turning household plastic packaging into high quality water pipes that can be used in civil construction projects. This literally means that the waste plastics you place in your recycling bin beside the kerb could be transformed into a durable, effective storm water pipe that could be later installed beneath your kerb to drain away storm water.

RPM Pipes have developed a unique method of moulding pipes from plastic including:

- Milk bottles
- Shampoo and detergent bottles
- Soap dispensers
- Household cleaning product packaging
- Dishwasher and washing machine bottles
- Broken wheelie bins
- Industrial scrap plastic

RPM have been making pipes in their Kyabram factory in central Victoria for more than 20 years and have many case studies demonstrating the quality and longevity of their pipe.



An Australian success story – built on quality

- Australian made
- Department of Transport (VicRoads) approved
- Manufactured and used for 20 years
- Cost competitive
- 100% recycled



- RPM Pipes has been creating low pressure water pipes from recycled plastics for irrigation projects for more than 20 years, with a reputation earned through a commitment to quality.
- The company selects a specific blend of plastics for its pipe, and goes to great lengths to ensure impurities are excluded from the production process.
- Plastic packaging and waste are sourced from kerbside waste companies and other recyclers, before being sorted and cleaned.
- Plastic waste is then processed into flakes and stored for use in the production process.
- Every plastic fragment that is reheated and moulded to become part of an RPM pipe has been washed and graded, so that the company can be completely confident of each pipe's structure and quality.
- After moulding, pipes for the premium RPM Civil range are individually inspected and approved for usage.



Up to **5000 milk bottles** are recycled to produce one 630mm RPM pipe. That's equivalent to more than **1.3 kilometres of waste milk bottles laid end-to-end**

Proudly manufactured in country Victoria

Chris Kay and his son Terry began manufacturing recycled pipe in Kyabram, in central Victoria in 1997 and started selling under the RPM Pipe name in 2000, specialising in supplying agricultural irrigation products, but also producing pipe for a broad range of construction projects.

The company developed a strong reputation for quality and service delivery, which continued after Terry and his wife Lauren took over the business in 2014.

In 2016, the company was nominated for the Victorian Manufacturing Hall of Fame, in recognition of excellence in manufacturing and longevity.

In 2019, the company launched its VicRoads-approved RPM Civil range of water pipe, available in a range of diameters for civil engineering applications. Independent tests have verified the structural quality of RPM's pipe and its' strong environmental value has ensured that it is sought after on construction projects where social procurement principles are key.

The speckle: RPM Pipes carry the colours of the plastic materials used to produce them. The variations in speckled colour patterns on RPM pipes demonstrate that they are 100% recycled.



Fresh rain water collected on site is used to wash plastic materials and waste water is evaporated in lined dams.



Pipe suited to many civil applications

RPM Pipes are suited to low-pressure water movement – carrying stormwater, wastewater or low-pressure water supplies.

Following independent testing, and after 20 years of use in a broad range of applications, VicRoads have approved the use of RPM pipes for major infrastructure projects outside of road pavement areas.

RPM are able to deliver pipes with O rings and detailed installation procedures across Australia and offer significant potential benefits to help meet project sustainability requirements.

RPM have decades of experience with supplying, delivering, storing, handling and installing pipes and can advise clients on the best ways to use the product.

All pipes in RPM's CIVIL range are supplied in 6 metre lengths, with diameters of 315mm, 400mm, 450mm and 630mm available.

Pipe size (diameter)	Length	Weight (kg)	Equivalent recycled milk bottles*
315mm	6m	77	1,833
400mm	6m	125	2,976
450 mm	6m	145	3,452
630mm	6m	250	5,952

Every kilo of recycled plastic saves 1.5kg of carbon – 2013 study.



More than 50% of the electrical energy used to produce RPM CIVIL pipes comes from solar power.

What you get – more than just pipe

Each year, tens of thousands of lengths of water pipe are laid in projects across Australia – almost all of it made from virgin raw materials.

At the same time, Australia recycles just 12% of the 2 million tonnes of waste plastic that the nation generates each year – and that figure may be drastically reduced unless sustainable recycling solutions can be identified.

RPM pipe takes millions of bottles and waste HDPE plastics from Australian homes and converts them into a high quality civil construction product, ready to be used for vital drainage applications across the country.

When you choose to buy RPM pipe, you are not only choosing a product which has a quality that is at least equivalent to non-recycled pipes, but you are also supporting Australian manufacturing and the Australian recycling industry.

RPM Pipes plays a small but important role in delivering an ingenious recycling solution for Australia – and high quality pipe for Australian projects.

Contact our team for more information and consider putting Australia and the Australian environment first on your next civil project.

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Advantages of RPM Pipe

- **100% recycled** – a high quality product used in the construction industry, produced from 100% recycled products, replacing pipes produced with virgin materials
- **Site safety** – the pipe is significantly lighter to install than concrete pipe, reducing the time and physical effort required for installation
- **Cost competitive** – RPM Pipes are priced at a very similar level to pipes which are not recycled
- **VicRoads approved** – RPM pipes have been used for 20 years and our CIVIL range are now Department of Transport (VicRoads) approved

RPM Pipes

Australia's 100% sustainable, high quality water pipe

More information

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