

Reducing Energy Use & Emissions

A trial of new rooftop solar panels and new variable speed drives to pump oil around our plant are two projects we are completing this year to reduce energy use and emissions.



An aerial view of the solar panels.

The solar panels have been in place since April. In July, they generated 7,785 kilowatt-hours (kWh) of electricity. This is equivalent to the annual electricity usage for a household of four.



The variable speed drives are now installed.

The variable speed drives pump oil when needed, rather than non-stop at full speed. We expect the drives will save 674,520 kWh of electricity every year. The project will also improve the safety and reliability of pumps because we are upgrading the electrics at the same time.

Koppers has other projects in its plan to reduce absolute Scope 1 and 2 emissions by at least 35% and its aim of net zero emissions by 2050. We will continue to evaluate new technologies and opportunities to accelerate our rate of emissions reductions and refine our targets.

New Trees at Mayfield West Public for Earth Day

To celebrate Earth Day some of our team went to Mayfield West Public School to help students to improve their environment.

In line with this year's theme – **Preserving the Earth** – we planted new citrus trees in the school orchard.

We also contributed to a large wooden picnic table for the orchard with a cheque for \$760 for the school to use to support learning through active play.



Our team with the big cheque for the Mayfield West Public School Earth Day.

Everyone enjoyed the BBQ our team put on after the hard work was done.



Koppers' staff at Mayfield West Public School.

Long-term Investments to Minimise Fumes and Odours

Since 1990, Koppers has invested almost \$2.4 million on eliminating or minimising fumes and odours. The diagrams below show the cost and location of each project. The most significant and beneficial investment has been the progressive introduction of thermal oxidation systems across our operations.

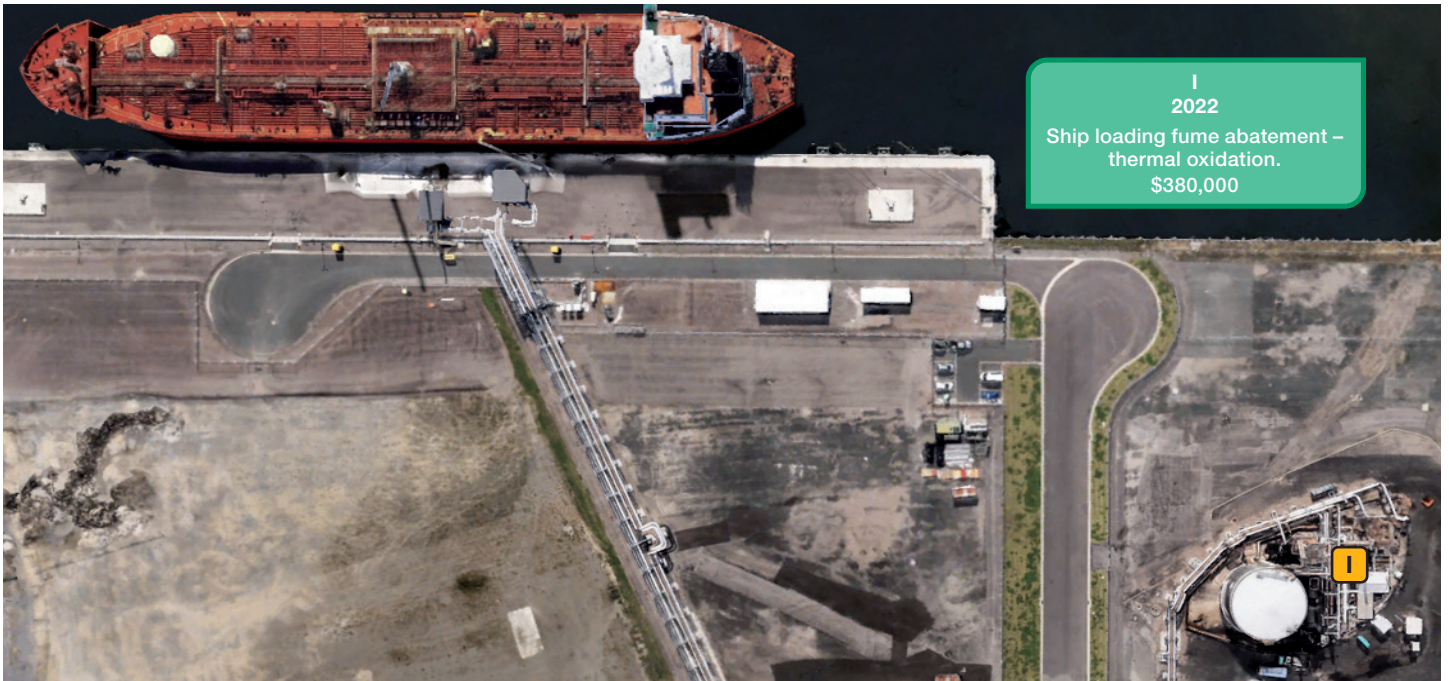
The closed systems take already wet scrubbed fumes and other fumes and literally combust them in thermal oxidiser unit. Thermal oxidation has all but eliminated emissions of benzene, volatile organic compounds and polycyclic aromatic hydrocarbons from the plant.

The Plant



A 1990	B 1995	C 2004	D 2009	E 2011	2013	2016	F 2018	G 2020	H 2021
Thermal oxidation system for naphthalene reboiler.	Extended thermal oxidation to tar reboiler.	Tar and naphthalene buildings' fume scrubber.	Thermal oxidation fume control upgrades.	Naphthalene tank farm to reboilers for thermal oxidation.	Ship loading mobile thermal oxidiser.	Ship loading mobile thermal oxidiser – improved pre-treatment skid.	Fume system for thermal oxidation.	Laboratory fume system upgrades, including carbon filters on roof.	New valves and controls to improve the plant's fume system.
\$36,850	\$36,600	\$200,000	\$35,000	\$225,000	\$415,000	\$130,000	\$543,000	\$91,000	\$300,000

Portside Berth



I
2022
Ship loading fume abatement – thermal oxidation.
\$380,000

Outdoor Musical Equipment for Islington Public School Playground

Koppers has donated three outdoor musical instruments for Islington Public School's upgraded playground.

For many years, we have supported improvement projects at primary schools in our area.

Nick Moretti and Shane Beasley from our team were chuffed to help officially open the new playground equipment and give a talk to the kids all about what we do at Koppers and our support to the local community.



Koppers' team members, Nick Moretti and Shane Beasley, check out the Islington Public School playground equipment.



Teachers from Islington Public School with a plaque recognising Koppers' donation.

Trivia Night Helps People with a Disability

At its May trivia night, our neighbour Firstchance raised \$11,000 to support the early intervention and school-aged programs it runs for children with a disability or developmental delay, and their families.

Our gift voucher for a 2-night winery getaway was one of the prizes.



Nicole Doncovski from Firstchance and Cassy Threadgate from Koppers with our trivia night prize voucher.

Firstchance has been serving Hunter people for more than 40 years.

To find out more or join us in supporting their programs visit firstchance.org.au



The Trivia Night in full swing!

Recognising Islington Public School Sporting Champions



Koppers Operations Manager Nick Moretti presents the 2023 award to Jamie Irvine.

Next newsletter we will announce the Islington Public School 2024 Sportsperson of the Year Award. We started supporting the annual award last year. Jamie Irvine received the Koppers trophy and a \$50 Rebel gift card.

Cake Bake Off at Biggest Morning Tea

The competition was intense to see which Koppers' team member bakes the best cake at our Biggest Morning Tea this year. The main reason for the event was to raise funds for the Cancer Council.

We raised \$677 to support the Cancer Council's work to make a difference to people impacted by cancer.



Staff enjoying the Biggest Morning Tea.

Meet the team – Kieran Clark



First Shift Operator Kieran Clark has worked for us for two and a half years. He monitors the distillation process and the steam boilers from the Control Room, using the computer control system.

He has good knowledge of the process and uses the Control Room like a command post and sends the 2nd and 3rd Shift Operators out to the plant to check on things like valves, take samples, and load and unload trucks etc.

Kieran enjoys working with his colleagues and that there is always something new to learn. He works close to home with a great roster that provides flexibility.

Outside of work, Kieran loves surfing, relaxing at the beach, and having a BBQ or just hanging out with his kids and mates. A rugby league fan, he supports the Tigers and runs the water for his boys' team.

Community Reference Group Update

Our community reference group (CRG) met in April and July. It will meet again in October to receive updates from Koppers and gain answers to questions from community members and neighbours. The meetings also give members a chance to share information with each other.

If you are interested in what Koppers does, and would like to pass information back to your local community, you're welcome to apply to join the CRG.

For information on the CRG and minutes of its meetings, visit koppers.com.au/community

Contact us

Questions or feedback?
Please get in touch!



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