



Manildra Group Managing Director John Honan and Chairman Dick Honan // PHOTO: TAYLAH HUDSON

At the heart of Manildra Group, our local employees underpin our business of sustainably adding value with world-class advanced manufacturing. Our continuous expansion and diversification of our flagship Shoalhaven Starches site underwrites our commitment to our nation's agricultural, manufacturing, and export industries, through sustainable growth and jobs. Creating more than 60 additional local jobs in the past year alone, our Bomaderry workforce increased to 510 people onsite.

Our more sustainable, high-value jobs include opportunities for upskilling and leadership, in ongoing training and development of our people to secure our shared future in Australian-owned, grown and made. Through our longstanding connections in rural communities, Manildra Group deeply appreciates the dedication of our people to make all the difference to our shared success – from Bomaderry to the world – as highlighted in this regular Shoalhaven Starches community newsletter.

John Honan, Manildra Group Managing Director



Inside the Cogeneration Plant's advanced control and data centre (from left) is Cogeneration Plant Operator Jake Steele, Cogeneration Plant Manager James McSweeney, Cogeneration Plant Operator Matthew Williams, Cogeneration Plant Operator Daniel Klausen, Cogeneration Plant Project Engineer Rainer Schuerer // PHOTO: PETER IZZARD

ADVANCED COGENERATION CUTS EMISSIONS

Future-proofing our advanced manufacturing capabilities through lower carbon emissions intensity, Shoalhaven Starches' new Cogeneration Plant Operations Team works round-the-clock to power our world-class, 55-hectare site on cleaner, more reliable energy.

Manildra Group's industry-leading investment removes up to 300,000 tonnes of carbon dioxide equivalent (CO₂e) in production from our atmosphere each year – comparable to 150,000 fewer cars on our roads.

Constantly monitoring this state-of-the-art technology – inclusive of two gas turbines with heat recovery steam generators, each producing 27-megawatt of electricity and 105T/hr of steam, a natural gas supply pipeline, a boiler house, and plant air compressors – our expert team of 13 operators is led by Cogeneration Plant Manager James McSweeney.

Mr McSweeney said the steam is generated by utilising the waste heat recovered from the gas turbines to heat water in the steam generators, providing 24-hour energy supply for the site. The whole process is systematically controlled via the plant's Supervisory Control and Data Acquisition (SCADA) centre with daily visual checks of the gas turbines, boilers, heat recovery steam generators and plant air compressors, along with testing of the boiler and steam generator's water quality to ensure a precise and efficient operation.

With his team's all-round expertise in power generation and electrical distribution, combined with the philosophy of waste heat steam production, the entire operation is fuelled by natural gas provided by Shoalhaven Starches own natural gas pipeline. Mr McSweeney said it was exciting to be part of Manildra Group's transition in reducing our carbon footprint – with all the benefits of a family-friendly, South Coast lifestyle.



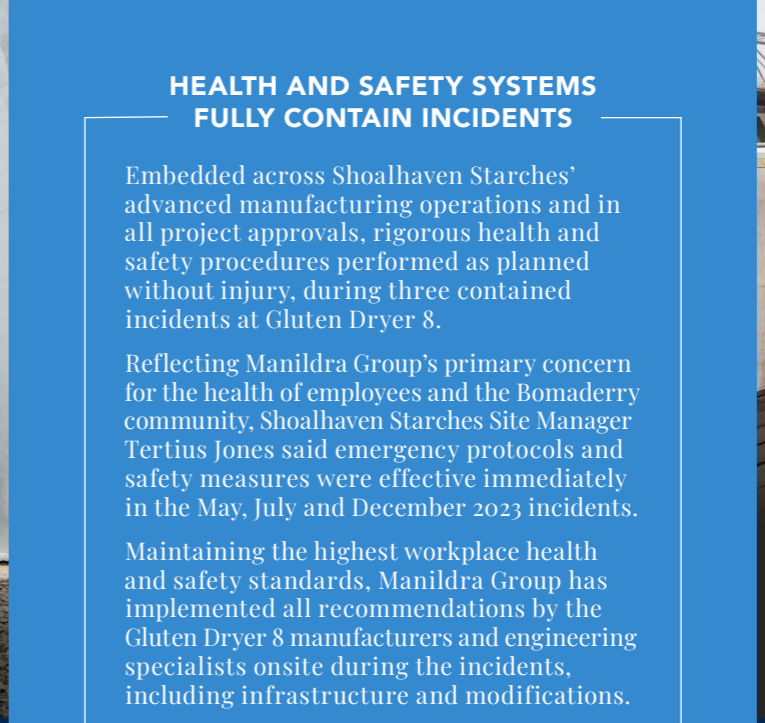
Shoalhaven Starches Project Manager Dyllan Ware oversees construction of the noise mitigation wall north of Bolong Road, to absorb and deflect local sound impacts in the Bomaderry community // PHOTO: PETER IZZARD

SOUND BARRIER TAKES SHAPE

Eleven metres tall and stretching for 300 metres north of Bolong Road, a noise mitigation wall being built at Shoalhaven Starches, is among a range of projects critical to a liveable Bomaderry community and residents' wellbeing.

"While we've boosted production along with local jobs in our recent capital works program, we've been listening to community feedback at the same time, in exploring ways to continually mitigate any potential noise of operations and traffic," said Shoalhaven Starches Project Manager, Dyllan Ware.

Set for completion in mid-2024, the noise wall around our state-of-the-art new packing hub, container handling facility, and rail tunnel north of Bolong Road, will absorb and deflect sound from surrounding residents. Environmental protection licensing also limits Shoalhaven Starches' noise levels, with regular monitoring and data published on Manildra Group's website.



Celebrating the launch of the first USafe on local waters with (from left) Marine Rescue Shoalhaven Deputy Unit Commander Lynne Hocking, Marine Rescue Illawarra Inspector Stuart Massey, Marine Rescue NSW Southern Zone Commander Mike Hammond, Manildra Group Shoalhaven Starches Site Manager Tertius Jones, Marine Rescue Shoalhaven Deputy Unit Commander Mike Boadle and Marine Rescue Shoalhaven Unit Commander Marty Kaye // PHOTO: MARINE RESCUE SHOALHAVEN

A SAFETY FIRST WITH REMOTE-CONTROL RESCUE

Shoalhaven's Marine Rescue unit has significantly boosted local capabilities with a state-of-the-art lifesaving device, through a \$13,000 community grant from Manildra Group. Marine Rescue NSW Southern Zone Commander, Mike Hammond, said the Marine Rescue Illawarra region's first USafe provided volunteers a remote-controlled motorised lifebuoy to assist those in need on Shoalhaven waters.

"With its 300-metre range, and a variable speed motor to enable crews to approach gently or steer around hazards in the water, this incredible device can get a tow line to a disabled vessel in a challenging location, retrieve a person in the water and is easily transferable between our two rescue vessels," he said. Shoalhaven Starches Site Manager Tertius Jones said Manildra Group was proud to partner with more than 100 "inspirational local volunteers who commit their time to lifesaving work".

shoalrescue.com.au @MarineRescueShoalhaven

HEALTH AND SAFETY SYSTEMS FULLY CONTAIN INCIDENTS

Embedded across Shoalhaven Starches' advanced manufacturing operations and in all project approvals, rigorous health and safety procedures performed as planned without injury, during three contained incidents at Gluten Dryer 8.

Reflecting Manildra Group's primary concern for the health of employees and the Bomaderry community, Shoalhaven Starches Site Manager Tertius Jones said emergency protocols and safety measures were effective immediately in the May, July and December 2023 incidents.

Maintaining the highest workplace health and safety standards, Manildra Group has implemented all recommendations by the Gluten Dryer 8 manufacturers and engineering specialists onsite during the incidents, including infrastructure and modifications.

Mr Jones said incident reports confirmed all onsite health and safety equipment – including suppression system safety vents, steam quench and fire sprinklers – performed to industry standards. He said working with industry experts and local regulators to establish the cause and implementing all safety recommendations was the highest priority.

Aerial view of the Shoalhaven Starches site in Bomaderry, New South Wales // PHOTO: DEAN HOLLAND



STAY CONNECTED

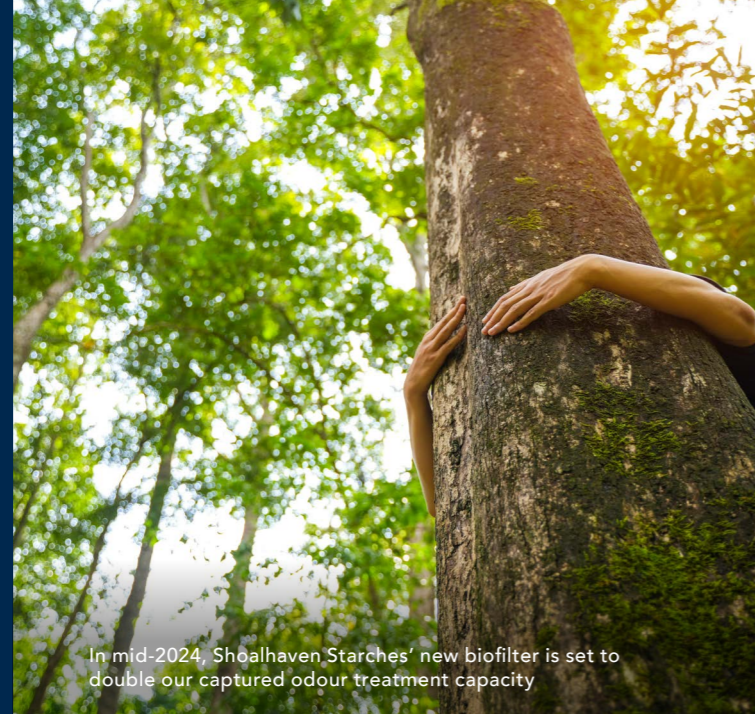
If you have any questions or comments, contact Shoalhaven Starches on 02 4423 8200 or nowra.reception@manildra.com.au

For more information on Shoalhaven Starches' project approvals and determinations visit NSW Department of Planning, Housing and Infrastructure at www.planningportal.nsw.gov.au/major-projects

The Cultivator Magazine

Manildra Group's *The Cultivator* magazine features stories from our producers' farms, our manufacturing facilities, our customers and our rural communities. Collect your free copy at the Shoalhaven Starches reception or view on our website at manildra.com.au/the-cultivator

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In mid-2024, Shoalhaven Starches' new biofilter is set to double our captured odour treatment capacity

ODOUR-CONSUMING BIOFILTER BOOSTS AIR QUALITY

With odour-consuming microorganisms cleaning exhaust air from Shoalhaven Starches, an advanced biofilter will soon double our onsite treatment capacity and further enhance local air quality. Set for operation mid-year, the biofilter uses microorganisms to consume the odorous compounds – stripping more than 90 per cent of odours from treated air before release.

Shoalhaven Starches Head of Sustainability, Gavin Dostal, said air quality was critical to community wellbeing and our environmental protection licensing. "While our current infrastructure substantially alleviates odours, the addition of the advanced biofilter will double our existing odour treatment capacities for this area of the site," he said.

Mr Dostal said other measures further mitigating local odours included improved capacity and capability of our Water Treatment Plant capturing biogas for reuse, as part of Manildra Group's Shoalhaven Starches proposed Expansion Project Modification 22 currently with the NSW Department of Planning, Housing and Infrastructure.

BREAKING GROUND ON ETHANOL EXPORT FACILITY

Creating opportunities for Illawarra trade and economic expansion, Manildra Group has broken ground on our state-of-the-art, ethanol storage and export facility at Port Kembla. With construction by about 60 local workers, the \$55 million project includes six storage tanks and connecting pipelines (to an existing ship berth) to secure global supplies of our 100 per cent Australian, beverage-grade ethyl-alcohol produced sustainably in Bomaderry.

Approval of the project of state significance by the NSW Department of Planning, Housing and Infrastructure in June 2023, included public notification of environmental impact statements (at www.planningportal.nsw.gov.au/major-projects/projects/manildra-port-kembla-bulk-liquid-terminal) and our presentation to community representatives at the Port Kembla Harbour Environmental Group meeting in December 2023.

Shoalhaven Starches Project Manager David Johnston said the completion of the facility was anticipated in early-2025, to distribute supplies globally of pure Australian grain-neutral spirit from the largest distillery of its kind in Southeast Asia.

Construction of the Port Kembla Bulk Ethanol Terminal is overseen by Project Manager David Johnston and Construction Supervisor Gordon Rewell // PHOTO: PETER IZZARD



VALUE-ADDING ACCOUNTS FOR ENVIRONMENTAL AND SOCIAL SUSTAINABILITY

Core to our business of adding value to Australia's agricultural, advanced manufacturing and export industries, Manildra Group's commitment to protecting, conserving, and restoring our natural resources, is showcased in our inaugural *Sustainability Report*.

Highlighting the economic, environmental, social, and corporate governance impacts of Manildra Group's activities and operations in alignment with United Nations Global Sustainability Goals, the report outlines our progress to 2023 and commitments toward sharing in a more sustainable future for all.

The report also emphasises our commitment toward Australia's target of net-zero carbon emissions by 2050 – including our \$200 million cogeneration project to power Shoalhaven Starches – among ambitious actions to reduce our greenhouse gas footprint.

"By removing coal-fired energy from our world-class site, we've reduced up to 300,000 tonnes of carbon dioxide equivalent annually," said Manildra Group Managing Director John Honan.

Available on our website, Manildra Group's inaugural *Sustainability Report 2023* outlines activities across our operations and supply chain, to share in a more sustainable future for all



(from left) Shoalhaven Starches Packing and Logistics Manager Nathan Squires, Warehousing Superintendent Ben George, Dried Distillers Grain and Forklift Superintendent Andrew Bath, Planning Superintendent Allister Jones, Transport Coordinator Ben Almond, Logistics Planning Analyst Kasuni Livera, and Logistics and Planning Coordinator Vikas Gavara // PHOTO: PETER IZZARD

AROUND THE WORLD IN 100 CONTAINERS DAILY

As one of our nation's biggest container exporters of value-added premium products, Shoalhaven Starches operates round-the-clock to coordinate packing and deliveries from our world-class Bomaderry site to 28 countries.

Showcasing Manildra Group's global reputation as "consistent exporters day-in-and-out", our local team of logistics and export specialists are responsible for ensuring packing specifications to the highest-quality standards, liaising with government authorities to guarantee regulatory compliance, and coordinating production schedules for packing orders to meet transport and logistics timetables.

With reliability and superior quality always front-of-mind, our highly skilled team distributes up to 100 containers every day by rail and road to Port Botany, shipping Manildra Group's diverse range of staple and specialty food and industrial ingredients to customers worldwide.

Manildra Group Head of Export, Olga Harriton, proudly described her team's commitment to excellence 365 days a year as "unparalleled".

SHOALHAVEN STARCHES

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