

Fact Sheet

Kwinana Alumina Refinery

Region: Australia

Products: Alumina chemicals and smelter-grade alumina

Manager: David Feast



Operations

- In January 2024, Alcoa announced plans to fully curtail production at Kwinana Alumina Refinery. Determination to curtail the 60-year-old facility was based on a variety of factors including age, scale, operating costs, current bauxite grades and current market conditions.
- The curtailment began in Q2 2024 and includes a phased reduction of the workforce. By Q3 2024, when all alumina production ceases, there will be approximately 250 employees at the refinery. Certain processes will continue until Q3 2025 when employee numbers will be further reduced to approximately 50 people.
- The refinery and associated residue storage facilities will continue to be actively managed. Alcoa's port facilities, located alongside the refinery, will also continue importing raw materials and exporting alumina produced at Pinjarra Alumina Refinery.
- Kwinana Alumina Refinery was commissioned in 1963 and was the first of Alcoa's three Western Australian (WA) alumina refineries. It has an annual nameplate production capacity of 2.2 million metric tons, producing non-metallurgical alumina (approx. 20 per cent of production) and smelter-grade alumina (approx. 80 per cent of production).
- Alumina is extracted from bauxite and is the main feedstock for aluminium, the world's most versatile metal which is essential to everyday life, critical to a decarbonised future and 100 per cent recyclable.
- Kwinana refinery receives its bauxite ore from Alcoa's Huntly Bauxite Mine.
- The majority of the refinery's production is exported to overseas markets, with some shipped to Alcoa's Portland Aluminium Smelter in Victoria or sold to third-party chemical, industrial and construction customers.
- Kwinana refinery produces the majority of the hydrate feedstock used for water treatment in Australia.
- The refinery operations occupy approximately 1,500-hectares within the Kwinana Industrial Area, 22 kilometres south of Perth.

Economic Impact

- In 2022, 84 per cent of Alcoa Australia's annual revenue stayed in Australia through wages, local purchasing, taxes, royalties and dividends to Australian shareholders.
 - Our WA operations injected approximately AU\$692 million into the local WA community through direct salaries, wages and benefits and AU\$1.7 billion was invested with some 920 WA suppliers.
 - Kwinana refinery's contribution was approximately AU\$161 million into the local WA community through salaries, wages and benefits and almost AU\$362 million in WA supply contracts
 - Our Australian operations combined injected AU\$425 million into Australia's local, state and federal governments through the payment of royalties, taxes, rates and charges.
- Alcoa of Australia produces an annual Tax Transparency Report in support of high standards of corporate governance and an open approach to business conduct.

Community Engagement

- Refinery employees engage with the local community through the Alcoa Environmental Improvement Plan Advisory Group, Kwinana Industries Council forums, strategy and project-based stakeholder reference groups and other forums as required.
- In 2022, Alcoa Foundation and Alcoa Australia invested AU\$4.8 million into areas of need and worthy causes in WA communities near where we operate.
 - Kwinana refinery invested approximately AU\$147,000 into local community and charitable initiatives, along with further in-kind contributions.

Environment and Sustainability

- All WA mining and refining operations have earned certification from the [Aluminium Stewardship Initiative](#), which is validation of our commitment to responsible and sustainable production and working with stakeholders to deliver long-term value.
- Alcoa's global [Refinery of the Future™](#) project is working to achieve zero-carbon alumina refining through a host of new processes and technologies. The team is predominantly based in WA.
- Our global Continuous Improvement Centre of Excellence is located at Kwinana refinery. The refinery implements a wide range of world-leading technology innovations that continuously improve production and environmental performance.
- Innovative residue filtration technology, commissioned in 2017, reduces the need for solar drying of residue and minimises water lost to evaporation. The process also enables more efficient land use.
- Find out more at www.alcoa.com/australia/en/sustainability

Alcoa in Australia

- Alcoa has operated in Australia for 60 years and in this time approximately AU\$14.7 billion has been invested in the Australian business.
- Alcoa's Australian operations represent one of the world's largest integrated bauxite mining, alumina refining and aluminium smelting systems.
- Two bauxite mines and three alumina refineries in WA produce approximately 50 per cent of Australia's alumina. In Victoria, Portland Aluminium Smelter (which is 55 per cent owned by Alcoa of Australia) produces more than 20 per cent of the nation's aluminium.
- Alcoa directly employs some 4850 people, predominantly from regional WA and Victoria. In 2022, Alcoa paid AU\$763 million in wages and benefits.
- Alcoa's values ensure employees act with integrity, operate with excellence, care for people and lead with courage.
- Alcoa has been named an employer of choice for more than 20 years by the Federal Government's Workplace Gender Equality Agency. Flexible work practices at Alcoa mean employees can balance their personal interests and family life alongside their work commitments.
- The company's second [Reconciliation Action Plan](#) was launched in 2022 at an event on Gunditjmara Country at Portland Aluminium Smelter.
- Find out more at www.alcoa.com/australia, or follow www.facebook.com/alcooaustralia and www.instagram.com/alcoa_australia

Alcoa Corporation

- Alcoa Corporation is a global industry leader in bauxite, alumina and aluminium products with a vision to reinvent the aluminium industry for a sustainable future.
- Since developing the process that made aluminium an affordable and vital part of modern life, talented employees have developed breakthrough innovations and best practices that have led to efficiency, safety, sustainability and stronger communities wherever we operate.
- As a leader in the mining and metals industry, Alcoa has a strategic priority to advance sustainably and is a member of the International Council of Mining and Metals (ICMM).
- In 2021 Alcoa announced its aspiration to achieve net zero carbon emissions by 2050. Alcoa's [technology roadmap](#) supports the company's vision and aspiration and features three key innovations: Refinery of the Future; Reinventing Smelting through ELYSIS™; and Transforming Recycling through ASTRAEA™.
- Alcoa is included in S&P Global's 2022 Sustainability Yearbook, was named to the 2022 Dow Jones Sustainability Index, ranked on Fortune Magazine's World's Most Admired Companies list, is included in Bloomberg's Gender-Equality Index and is a Platinum EcoVadis member.
- Find out more at www.alcoa.com, follow @Alcoa on Twitter, at www.facebook.com/Alcoa and www.instagram.com/alcoa

