

Emission Reductions in Nitric Acid Production: thyssenkrupp Uhde Delivers EnviNOx® Technology for CSBP in Australia

- **EnviNOx® technology successfully installed and commissioned in CSBP's newest nitric acid plant**
- **More than 98% reduction of nitrous oxide (N₂O)**
- **Contract signed for second and third nitric acid plants**

thyssenkrupp Uhde has been selected by CSBP – a chemicals and fertilizers business that forms part of Wesfarmers Chemicals, Energy & Fertilisers (WesCEF) – to deliver its patented EnviNOx® technology for two nitric acid plants at CSBP's Kwinana site in Western Australia.

This follows the successful delivery of the EnviNOx® technology in CSBP's Nitric Acid Ammonium Nitrate 3 (NAAN3) plant in 2025, with the signing of the new contract meaning thyssenkrupp Uhde will integrate all three of CSBP's nitric acid production facilities – NAAN1, NAAN2 and NAAN3 – with the proven EnviNOx® technology for NO_x and nitrous oxide (N₂O) emission reduction with thyssenkrupp Uhde's improved EnviNOx® catalyst manufactured by thyssenkrupp Uhde's partner BASF.

The EnviNOx® system marks a major milestone for industrial emissions reduction, with the system now eliminating more than 98% of all N₂O emissions from CSBP's NAAN3 plant, that corresponds to N₂O outlet concentrations below 1 ppmv. N₂O is a highly potent greenhouse gas with a global warming potential more than 270 times greater than carbon dioxide, making its reduction critical to achieving meaningful climate impact.

Reducing more than 60,000 tons of CO₂-equivalent emissions per year, the projects in CSBP's NAAN1 and NAAN2 plants will significantly contribute to delivering WesCEF's target to reduce scope 1 and 2 emissions by 30% by 2030 from a 2020 baseline, and assist on its journey to net zero. With the completion of the new abatement systems, thyssenkrupp Uhde will support the decarbonization of agricultural and mining sectors, providing low-emissions products while supporting climate goals.

Nadja Håkansson, Member of the Executive Board / COO of thyssenkrupp Decarbon Technologies & CEO of thyssenkrupp Uhde: "Reducing emissions from hard-to-abate industrial processes is one of the most effective ways to address climate change. With our patented EnviNOx® technology, we offer proven, reliable and efficient solutions to our global customers. We are proud that CSBP has entrusted us with delivering this technology across all three of their nitric acid plants – a strong signal of confidence in our capabilities and our shared commitment to climate action."

WesCEF Chief Operating Officer Leigh Meyers: "The successful commissioning of abatement technology in NAAN3 has materially lowered nitrous oxide emissions at the plant. Extending this technology across our remaining nitric acid facilities will further accelerate progress towards our 2030 emissions reduction target."

Proven Technology, Scalable Impact

thyssenkrupp Uhde's EnviNOx® system is a tertiary abatement solution installed in the tail gas system of nitric acid plants, fully delivered and supported by thyssenkrupp Uhde's technology experts. Modular and scalable, it allows near-complete removal of N₂O and NO_x emissions, adapting to varying plant configurations and capacities.

With more than 60 systems successfully installed across various industries, EnviNOx® stands for proven technology, robust quality, and smooth implementation. By enabling lower-emissions production at CSBP, the project supports ongoing industrial decarbonization and strengthens the long-term sustainability of the agricultural and mining sectors.

About thyssenkrupp Uhde

thyssenkrupp Uhde combines unique technological expertise and decades of global experience in the engineering, procurement, construction and service of chemical plants. We develop innovative processes and products for a more sustainable future and thus contribute to the long-term success of our customers in almost all areas of the chemical industry. Our portfolio includes leading technologies for the production of base chemicals, fertilizers and polymers as well as complete value-chains for green hydrogen and sustainable chemicals. www.thyssenkrupp-uhde.com

About CSBP

CSBP is part of Wesfarmers Chemicals, Energy & Fertilisers (WesCEF), a division of Wesfarmers Limited — one of Australia's largest ASX-listed companies and employers. Established in 1910, CSBP is a leading manufacturer and supplier of fertilisers and chemicals, supporting the Western Australian agricultural industry and supplying essential products including ammonia, ammonium nitrate and sodium cyanide to the mining and resources sector. www.csbp.com.au

Contact

thyssenkrupp Uhde
Christian Dill
Press Spokesperson
Phone: +49 231 547 3334
E-mail: christian.dill@thyssenkrupp.com