



YaREN'S Commitment to Safety

Project YaREN is a proposed low-carbon ammonia production and export facility in Ingleside, Texas, being developed by joint partners Enbridge and Yara. This project will prioritize employee and community safety, invest in the local economy and create a significant number of jobs in the Ingleside area.

Designed for safety

Our safety process doesn't begin on the first day of operations – it starts now. For Project YaREN, the safety of our employees and the community is our first priority.

The design of Project YaREN leverages **100 years of Yara's experience producing ammonia and the industry's progress in safety and efficiency**. This project will apply the latest advancements in ammonia production and, in many ways, will surpass regulatory requirements.

Ammonia at Project YaREN

Ammonia is the second-most manufactured chemical in the world, and Yara is one of the most experienced ammonia producers globally with an excellent safety record and extensive knowledge of the production process. Like many other chemicals, ammonia requires careful and responsible handling.

The facility will be manufacturing, storing and exporting ammonia. The manufacturing process includes the use of natural gas and hydrogen gas. Natural gas will be supplied to the site by a pipeline following all U.S. natural gas pipeline regulations. Hydrogen gas will be created and immediately consumed within the ammonia process.

Ammonia manufactured at the facility will be stored as a liquified gas at cold temperatures and atmospheric pressure. Because it will be stored and handled in its cold and liquid form, the risk of the product becoming vaporized and airborne will be significantly minimized.

Project YaREN will produce ammonia, which is a very different industrial chemical than ammonium nitrate. There will be no ammonium nitrate on-site with Project YaREN.

Our commitment to your safety



Community

- ✓ Air quality protection in accordance with TCEQ and EPA requirements
- ✓ Collaboration with local and regional emergency responders to coordinate resources and trainings



Regulatory

- ✓ Meet or exceed federal and state regulatory requirements
- ✓ Engage third-party agencies to validate key aspects of the facility's safety

Facility



- ✓ Follow industry safety protocols and best practices
- ✓ Hire and train qualified personnel
- ✓ Develop and maintain a strong safety culture
- ✓ Integrated emergency plans in place – inside and outside of the facility

Keeping the community safe

Project YaREN will carefully analyze and plan the facility's design with a focus on keeping employees and the community safe. This includes a variety of steps that **go above and beyond industry and safety regulations and requirements**, including three layers of independent pressure control systems on ammonia storage tanks, full double-walled ammonia containment storage tanks with vapor recovery systems, and an immediate ammonia leak detection at our ammonia storage facility and key locations throughout the production site.

What safety controls will be in place at the facility?

Dedicated environmental, health and safety team

The plant will have a dedicated environmental, health and safety team working at the facility that will perform regular reviews and audits of the operations. All employees will undergo specific training before working with ammonia.

Active monitoring

All process parameters such as pressure, temperature and flow will be continuously monitored electronically from an on-site control room, staffed 24/7. The specialized plant operators will also monitor equipment in person during routine checks directly in the field. This will enable them to quickly correct the situation if deviation occurs outside of specified ranges. We will monitor stack emissions and ammonia levels within the facility, both of which will facilitate real-time detection and response.

Independent safety systems

The facility will be designed and operated with multiple ways to prevent ammonia escaping from any equipment through what we call independent layers of safety. These layers will include process design, process control, operator intervention, safety instrumented system, active protection, passive protection, facility employee response and external emergency response.

Thorough emergency response plans

At the time of commissioning, emergency response plans will be in place for the facility and the community. These plans will be developed in collaboration with local emergency responders and subject matter experts. Facility personnel and specialized third-party emergency response teams will be trained and equipped with the necessary materials in the unlikely event of an incident.

How will ammonia be transported?

The ammonia will be safely loaded on to ships to be exported. It will be handled during transport the same way it is stored at the facility: in its cold and liquid form. The import and export of ammonia is a long-standing industry with established shipping routes and ports around the world. Approximately 20 million metric tons (MMT) of cold liquid ammonia is transported safely by ship every year.

Enbridge and Yara

Enbridge and Yara's combined complementary strengths will be critical to advancing the project from development to commercial operation. Yara is a global industry leader in ammonia development, production, operations and distribution, and Enbridge has large-scale infrastructure development expertise and world-class deep-water docks and an export platform at the Enbridge Ingleside Energy Center.

We are here to answer your questions and listen to your feedback.



Contact us at **361-461-0995** or email **EIECCommHotline@enbridge.com**
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