



BWV

Keep it Offshore

The purpose of the proposed BWV project is to construct and operate an offshore deepwater port providing safe, economical and environmentally sustainable solutions for the export of domestic crude oil. The proposed project includes up to two offshore buoy systems located approximately 21 nautical miles offshore - out of sight of land.

Loading crude at a deepwater port is a safer, more efficient alternative to reverse lightering while also reducing nearshore ship traffic and inshore port congestion.



BWV is Better for Air Quality



BWV

Emission Sources
• 1 VLCC
• 3 Support Vessels



More Efficient, Safer, Less Traffic



Lower Spill Risk



80% Lower Greenhouse Gases

Reverse Lightering

Emission Sources
• 1 VLCC
• 3 Shuttle Tankers
• 15 Support Vessels



Less Efficient, More Traffic



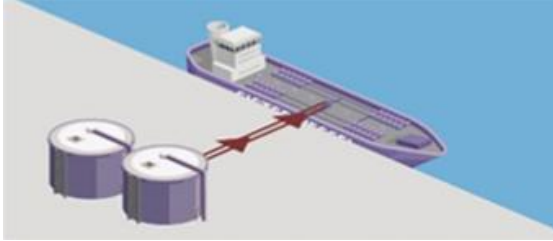
Higher Spill Risk



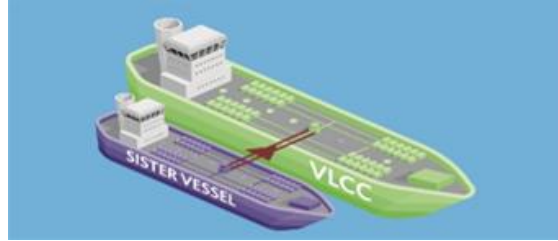
Higher Greenhouse Gases

Current Operations

Most crude export from the U.S. Gulf Coast is loaded onto ships with vapor controls from an onshore facility, then loaded for a second time without emissions controls onto a larger tanker.



1. Crude is loaded onto ships from a dock with vapor control from an onshore facility.



2. Loaded a second time without emissions control onto a larger tanker (two support vessels not shown).

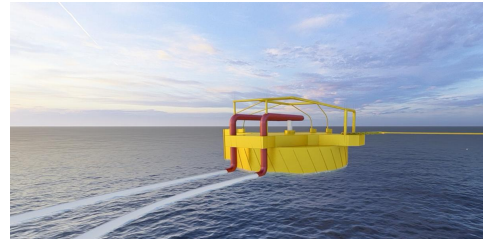
This "double handling" and the need for more support vessels results in approximately five times NOx, CO, SO₂, particulate and greenhouse gas emissions per load.

Emissions from this loading process, called reverse lightering, are already taking place in the offshore waters of the Coastal Bend.

If built, our project would reduce the need for offshore reverse lightering operations.

The greenhouse gas emissions estimated for BWTX are approximately **80% lower than reverse lightering**.

Our project has slightly less emissions of criteria pollutants than the current reverse lightering activities because of the reduction in transportation and support vessels.



DID YOU KNOW?

There are 600 buoys operating in the world today. None of them have vapor control technologies.

BWTX Will Not Impair Regional Air Quality

The EPA requires the project to account for the emissions from the loading of VLCCs in its calculations and has evaluated the project's air emissions, conducted a public hearing and a comment period.

Air modeling and other studies performed as part of the rigorous permitting process demonstrate that the BWTX project ***will neither affect the Corpus Christi area National Ambient Air Quality Standards Attainment status, nor would it impair air quality and public health.***



Environmental Considerations

We designed our project to meet or exceed several criteria to minimize the impact on the environment, wildlife and cultural resources, including the use of existing utility pipeline routes and the avoidance of sensitive areas.

[LEARN MORE HERE](#)

What Our Supporters Are Saying

"Philips 66 has had extensive meetings with



*stakeholders in the area and we believe this proposed project is well-considered, and a **solid option for maintaining environmental standards**, including keeping the Coastal Bend in Air Attainment (2017 NAAQS Standards). CCREDC is committed to pursuing smart and sustainable economic development practices*

*and projects in this region, and we believe that this application meets these standards, and has been **carefully planned and evaluated**.*"

We're Listening!

We understand communities like yours are a key part of the approval process and look forward to continue working with you as we move forward on the project.

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