

Webster Station

2020 crude oil storage expansion project

Environmental permitting

Webster Station has an excellent safety and environmental record, and ExxonMobil Pipeline Company (EMPCo) is committed to maintaining that performance as it plans to increase the terminal's storage capacity. As the company expands the terminal's capabilities to enable it to become an important transition point along the Wink to Webster pipeline system, protecting the environment will be a priority. The project is committed to working with the community, local authorities and the appropriate regulatory agencies to address potential impacts associated with the project.

Project at a glance

This project represents a significant investment in the economy of the local area. In addition, construction activity will support a number of well-paying construction jobs, and the operation of the expanded terminal is expected to create approximately five additional full-time jobs.

- Construction of eight new storage tanks within the existing fence line and on land where other tanks previously stood
 - Four new 500K-barrel tanks
 - Four new 250K-barrel tanks
 - All with domed external floating roofs
- No expansion of the existing footprint

Including the five existing tanks, the terminal will operate 13 crude oil storage tanks with a maximum capacity of approximately 3.86 million barrels.

Current plans depicting new storage tanks



Safety: Our priority

EMPCo's commitment to the safe and responsible operation of all its pipelines and facilities begins with project planning. The new storage tanks will be built according to ExxonMobil's rigorous tank construction guidelines, often more stringent and conservative than the relevant regulations and standards.

Air permitting process

The Texas Commission on Environmental Quality (TCEQ) will review the project to ensure air quality issues are addressed. Because of the nature of crude oil and the control technologies being installed, the project is considered a minor new source of emissions for permitting purposes. Construction of the project will only begin after the air permit has been issued and TCEQ has determined that the facility design meets the applicable requirements.

The process provides opportunities for public input. These opportunities will be publicized prior to their occurrence. A copy of the permit application is available at the Clear Lake City-Freeman Branch Library at 16616 Diana Lane; Houston, Texas 77062. For more information on the public participation process, visit TCEQ's website, www.tceq.texas.gov.

Designed according to regulations

ExxonMobil is investing millions of dollars in installing environmental controls, conducting modeling to guide facility placement and using best available emissions control technology.

As part of the permitting process, EMPCo is working with TCEQ to develop a project design that reviews and appropriately manages environmental impacts associated with our operations. As part of TCEQ's review, the state requires the project to demonstrate it meets the National Ambient Air Quality Standards (NAAQS). NAAQS are designed to protect public health and the environment with an adequate margin of safety. This health effects review is conducted by TCEQ to confirm that the project meets these air quality standards.

Volatile Organic Compounds (VOCs)

VOCs are gases released by solids or liquids, such as crude oil, and can be considered odors or fragrances. VOCs are released from many sources, including many building materials such as plywood, carpeting, particleboard and glues. Other sources of VOCs include the burning of fuels, such as wood, natural gas and gasoline, and tobacco products. VOCs also come from everyday consumer products, such as perfume, hair spray, cleaning agents, dry cleaning fluid, paints, hobby supplies and even copying and printing machines.



Environmental impact controls

The following design features will help control emissions:

- White tank exteriors will help keep temperatures down inside the tanks.
- External floating roofs will rise and fall with the level of the crude oil inside the tank, restricting the release of VOCs.
- The new tanks will exceed control technology required by state and federal agencies.
- The new tanks will utilize geodesic domes, which provide additional emission control and protection from extreme weather events.
- Double seals will be installed between the floating roofs and the tanks to further reduce emissions.

Examples of geodesic domes



Emissions control during operations

EMPCo is committed to continuing to operate Webster Station in compliance with all applicable requirements listed in federal and state regulations as well as the TCEQ air permit and is making a significant investment in environmental controls. Ongoing monitoring is planned for the site once it becomes operational. In addition, non-routine operating conditions associated with maintenance, startup and shutdown (MSS) will meet best available emissions control technology.