

Summer 2024

# Channelview Complex update



Channelview Complex is home to one of the world's largest propylene oxide (PO) and tertiary butyl alcohol (TBA) plants.



## Community Corner

In May, Channelview Complex employees participated in the United Community Disaster Relief effort at Channelview High School following a series of storms that left the majority of the residents in the region without power. The site donated 12 pallets of ice and 12 pallets of water to 3,000 needy families during the community event led by Rep. Ana Hernandez, Harris County Precinct 2, East Harris County Empowerment Council and Channelview Independent School District (CISD). Following Hurricane Beryl in July, employees from the site supported a similar event with Texas Sen. Carol Alvarado and CISD, where the company donated 10 pallets of water and provided day-of-event support.



In addition to those community events, Channelview site volunteers supported Harvey Brown Elementary School for its JA in a Day. In this day-long Junior Achievement learning event, site employees led discussions on financial success and community involvement. Volunteers also participated in the Channelview High School Future Farmers of America parade and donated directly to the Channelview ISD Foundation to support FFA students and activities.



## Who we are

Opened in 1957, the [Channelview Complex](#) is one of the largest in the company's portfolio. More than 2,000 employees and contractors work at the 4,000-acre site, which produces materials used in everyday goods, including automobiles, home furnishings, food packaging, automotive fuels and flexible piping. [Watch this short video](#) to learn more about our company.

## Channelview Complex

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# Understanding steam vapor and weather conditions

Generally speaking, what appears as white clouds coming from various areas in the units is steam or water vapor, much like fog or clouds. The most common source of water vapor is from cooling towers, which recycle hot water from the unit so it can be used again in the process. During the cooling process, some water evaporates and is visible as water vapor clouds. The color of the water vapor is affected by weather conditions and temperature.

**Hot and dry**



Water vapor clouds are less visible, light color.

**Cool, damp and sunny**



Water vapor clouds are heavy and dark, especially in front of the sun.

**Warm with some humidity**



Water vapor forms white, fluffy clouds which are easily noticeable.

**Cool, wet and no sun**



Water vapor clouds are dark and heavy, like rain clouds.

## Channelview home to world-renowned research center

For more than 11 years, Channelview has been home to one of LYB's premier research facilities – The Houston Technology Center. The Center is a research and development center to advance process technologies and chemical catalysts for LYB global Olefins and Intermediates and Derivatives businesses.

The Houston Technology Center adds value to our business by improving catalyst and process technologies to increase sustainability, reduce manufacturing costs, improve yields and lower the capital costs of new construction. The site uses miniature pilot units to simulate processes, increasing efficiency and profitability in large-scale facilities.

In addition to the site's research work, employees volunteer at various community and school events and activities.



## Community Awareness Emergency Response (CAER)

Community Awareness Emergency Response (CAER) is an online system and app for community members to view posted messages and alerts regarding operational updates from local facilities. Channelview Complex actively participates in posting to the site whenever there is an event of public interest.



Scan the QR Code for more information, including links for downloading the app