

EXPERIENCES IN PERMITTING THE FIRST NEW LPG STORAGE FACILITY IN TEXAS IN 28 YEARS

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ABSTRACT

The U.S. Gulf Coast area, Texas in particular, has a significant percentage of the United States storage capacity for LPG along with the connectivity to other markets in the United States. Surprisingly, no grass-roots LPG storage facilities have been permitted and developed in Texas in the past 28 years. The most recent LPG expansion facilities have been on existing permitted and operational locations which are treated from a regulatory perspective in a different manner. This paper describes the site location and rationale for the new facility, the history of the site, the Spindletop salt dome, the siting of the new brine disposal well field, issues related to the siting, and the overall site design.

Keywords: Spindletop salt dome, brine disposal, brine wells, storage well, computer modeling, faulting