

**Plain Language Summary for New Source Review (NSR) Renewal Amendment
Application for Air New Source Review Permit Number 49023**

The following summary is provided for this pending air permit application being reviewed by the Texas Commission on Environmental Quality as required by 30 Texas Administrative Code Chapter 39. The information provided in this summary may change during the technical review of the application and are not federally enforceable representations of the permit application.

Union Carbide Corporation (UCC) (CN601688781) has submitted an application for renewal of permit number 436. The Fuel and Raw Materials and Liquefied Gas Terminal Unit (RN100219351) handles, stores, and provides fuel and raw materials to processing areas at the site located at 3301 5th Avenue South, Texas City, Galveston County.

This renewal will authorize the continued operation of the Fuel and Raw Materials and Liquefied Gas Terminal Unit, which includes a flare, storage tanks, and equipment component fugitives. The application will authorize updates to emission rate calculations for the flare, storage tanks, and equipment component fugitives. These updates will reflect current operation and updated calculation methodologies. Additionally, UCC requests the incorporation by consolidation of several Permits by Rules (PBR). UCC has listed in the application the pollutants and amounts that will be emitted for each facility. Below is the current allowable, the amount to be added or removed, and the total amount for each pollutant that is proposed to be emitted each year for this site.

Pollutant	Permitted Emissions (tons per year)	Emissions Added/Deleted (tons per year)	Total Proposed Emissions (tons per year)
CO	65.86	-4.39	61.47
NO _x	11.39	-0.68	10.71
SO ₂	0.72	-0.55	0.17
VOC	43.95	-6.52	37.43
Propylene	10.36	-0.31	10.05
Ethylene	9.69	-4.33	5.36

The facilities being renewed that are controlled by the flare will continue to be controlled by the flare. The equipment component fugitives will continue to be managed in accordance with the assigned monitoring program.