

**Plain Language Summary for New Source Review (NSR) Amendment  
Application for Air New Source Review Permit Number 9604A**

*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 federal enforceable representations of the permit application.*

CITGO Refining and Chemicals Company L.P. (CN600127922) (“CITGO”) has submitted an application for an amendment to permit number 9604A. CITGO’s Corpus Christi Refinery East Plant (RN102555166) is a petroleum refinery located at 1801 Nueces Bay Boulevard, Corpus Christi, Nueces County.

This amendment will authorize emissions of hydrogen cyanide (“HCN”) and ammonia (“NH<sub>3</sub>”) from the No. 2 Fluid Catalytic Cracking Unit (“FCCU”) at the facility. This request to authorize emissions of these two pollutants is due to recent industry research findings which have identified FCCUs as sources of HCN and NH<sub>3</sub> emissions. No physical changes or changes to operations of the No. 2 FCCU are requested with this application. CITGO has listed in the application the pollutants and amounts that will be emitted for each facility. Below is the current amount allowed, the amount to be added or removed, and the total amount for each pollutant that is proposed to be emitted each year for all the facilities. HCN is classified by the United States Environmental Protection Agency as a Hazardous Air Pollutant (“HAP”) and is listed as HAP emissions in the table below.

| <b>Pollutant</b>  | <b>Permitted Emissions (tons per year)</b> | <b>Emissions Added/Removed (tons per year)</b> | <b>Total Proposed Emissions (tons per year)</b> |
|---|--|--|---|
| Volatile Organic Compounds (VOC)                        | 236.78                                     | 0.00   | 236.78  |
| Particulate Matter (PM)                                 | 204.283                                    | 0.00   | 204.283   |
| Particulate Matter 10 µm and less (PM <sub>10</sub> )   | 204.283                                    | 0.00   | 204.283   |
| Particulate Matter 2.5 µm and less (PM <sub>2.5</sub> ) | 204.283                                    | 0.00   | 204.283   |
| Nitrogen Oxides (NO <sub>x</sub> )                      | 81.23                                      | 0.00   | 81.23   |
| Carbon Monoxide (CO)                                    | 247.28                                     | 0.00   | 247.28  |
| Sulfur Dioxide (SO <sub>2</sub> )                       | 141.38                                     | 0.00   | 141.38  |
| Sulfuric Acid (H <sub>2</sub> SO <sub>4</sub> )         | 102.14                                     | 0.00   | 102.14  |
| Ammonia (NH <sub>3</sub> )                              | 0.00                                       | 129.92   | 129.92  |
| Hazardous Air Pollutants (HAPs)                         | 0.00                                       | 474.49   | 474.49  |

No updates to controls are proposed for the modified facility in this application.

