

**Plain Language Summary for New Source Review (NSR) Initial  
Application for Air New Source Review Permit Number 169075**

*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.*

Hif USA, LLC (CN606018331) has submitted an application for initial permit number 169075. The Matagorda eFuels Plant (RN111500245) will produce/manufacture carbon-neutral fuels, including gasoline and liquefied petroleum gas. The facility is located south of Bay City in Matagorda County. To reach the facility, from TX-35-S, head south on FM 1468 for 11 miles. Turn west onto FM 521 and proceed 2.7 miles. The plant will be located on the north side of FM 521 at the intersection of FM 521 and FM 358 (Bieri Rd).

This permit will authorize the construction of an electrofuels (eFuels) plant. The plant will utilize carbon dioxide from a pipeline and hydrogen gas produced via electrolysis of water to produce methanol. The methanol will then be converted to gasoline, and the produced gasoline will be blended with liquified petroleum gas (LPG) and hydrocarbons to meet gasoline specifications before being shipped offsite via pipeline. The LPG and hydrocarbons may also be shipped offsite via pipeline, or via pressurized trucks. The plant process equipment includes process heaters, steam boilers, cooling towers, storage tanks, water and wastewater treatment facilities, emergency engines, and combustion control devices. Additionally, this permit authorizes planned maintenance, startup, and shutdown activities. Hif USA, LLC has listed in the application the pollutants and amounts that will be emitted for each facility. Below is the total amount for each pollutant that is proposed to be emitted each year for all the facilities.

<b>Pollutant</b>	<b>Proposed Emissions (tons per year)</b>
Volatile Organic Compounds (VOCs)	69.68
Carbon Monoxide (CO)	79.71
Nitrogen Oxides (NOx)	48.25
Sulfur Dioxide (SO2)	14.29
Hydrogen Sulfide (H <sub>2</sub> S)	0.04
Ammonia (NH <sub>3</sub> )	8.12
Total Particulate Matter (PM)	17.18
Particulate Matter sized less than 10 Microns (PM <sub>10</sub> )	17.06
Particulate Matter sized less than 2.5 Microns (PM <sub>2.5</sub> )	16.47
Hazardous Air Pollutants (HAPs - Individual)	5.49
Hazardous Air Pollutants (HAPS - Aggregate)	11.55

The pollutants from the wastewater treatment plant, as well as the planned maintenance, startup and shutdown activities will be controlled by combustion devices, where gasses are burned before being emitted to the atmosphere. Pollutants from the gasoline storage tanks are controlled by floating tank roofs, which minimize pollutant evaporation to the atmosphere. Nitrogen oxide (NO<sub>x</sub>) emissions from the steam boilers are controlled through a catalyst and ammonia injection, which converts NO<sub>x</sub> to nitrogen gas.