

Plain Language Summary for New Source Review (NSR) Initial Application for Air New Source Review Permit Number 170854

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.

Energy Transfer Petrochemical Holdings, LLC (CN606073617) has submitted an application for initial permit numbers 170854, GHGPSDTX227, HAP81, and PSDTX1614. The Petrochemical Complex (RN111596409) will produce/manufacture propylene and ethylene at 2300 North Twin City Highway, Nederland, Jefferson County.

This permit will authorize a plant that produces ethylene and propylene using the steam cracking and catalytic cracking processes. Energy Transfer Petrochemical Holdings, 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.

Pollutant	Proposed Emissions (tons per year)
Volatile Organic Compounds (VOC)	1676
Nitrogen Oxides (NOx)	1132
Carbon Monoxide (CO)	4952
Sulfur Dioxide (SO ₂)	503
Particulate Matter (PM)	352
Particulate Matter with an aerodynamic diameter of 10 microns or less (PM ₁₀)	329
Particulate Matter with an aerodynamic diameter of 2.5 microns or less (PM _{2.5})	321
Sulfuric Acid Mist (H ₂ SO ₄)	92
Hydrogen Sulfide (H ₂ S)	1
Greenhouse Gases (GHG)	5081919

The new facilities will be controlled by the use of floating roofs on organic liquid storage tanks, leak detection and repair programs to minimize piping leaks, filters on a cooling tower to limit mist, low emissions burners and selective catalytic reduction on boilers, furnaces, and heaters, and flares to destroy process gases.