

**Plain Language Summary for New Source Review (NSR) Renewal
Application for Air New Source Review Permit Number 22039**

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.

Pasadena Refining System, Inc. (CN 603137605) has submitted an application for renewal of permit number 22039 The Pasadena Refinery (RN100716661) produces/manufactures petroleum refining products at 111 Red Bluff Road, Pasadena, Harris County.

This renewal will authorize the continued operation of combustion sources and cooling towers. Pasadena Refining System, Inc. 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)
VOC	197.11
PM	290.97
PM ₁₀	273.33
PM _{2.5}	258.56
NO _x	1267.13
CO	958.66
SO ₂	1635.79
NH ₃	20.10
H ₂ S	0.08

The facilities being renewed continue to be controlled by a variety of control devices at the site that minimize emissions. The refinery employs a multi-faceted approach, which includes: firing pipeline quality natural gas or refinery fuel gas, using good combustion practices, installing high-efficiency NO_x control technologies (such as low / ultra-low NO_x burners or post-combustion NO_x reduction equipment), equipping with drift eliminators, and operating a fuel gas recovery system.