

Plain Language Summary for New Source Review (NSR) Renewal Amendment Application for Air New Source Review Permit Number 18897

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.

Western Refining Company, LLC (CN601510191) has submitted an application for renewal of and amendment to permit number 18897. The El Paso Refinery (RN100213016) produces/manufactures a variety of petroleum products, such as liquefied petroleum gas (LPG), butane, and gasoline, by processing crude oils at 6501 Trowbridge Dr, El Paso, El Paso County.

This renewal will authorize the continued operation of the North Plant and South Plant, which include combustion sources, storage tanks, cooling towers, Rheniformer regeneration, and wastewater collection and treatment systems. The amendment will authorize the update of emission calculations for the storage tanks, the update of fugitive emissions from equipment leaks, and the incorporation by consolidation and reference of various Permit By Rules (PBRs) and a Standard Permit (SP). Western Refining Company, LLC 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.

Pollutant	Permitted Emissions (tons per year)	Emissions Added/Deleted (tons per year)	Total Proposed Emissions (tons per year)
VOC	570.95	-1.49	587.13
PM	134.85	0.00	134.85
PM ₁₀	132.53	0.00	132.53
PM _{2.5}	130.88	0.00	130.88
NO _x	602.46	0.00	602.75
CO	231.10	-0.02	232.44
SO ₂	71.57	0.00	71.57
Pb	0.00	0.00	0.00
H ₂ S	0.81	-0.014	0.796
H ₂ SO ₄	1.13	0	1.13
Benzene	3.42	-0.505	2.939
NH ₃	7.43	0	7.43
HCl	0.02	0	0.02
TRS	0.5	0	0.5

The facilities being renewed are controlled by using liquids and solids to entrain pollutants from the gas flow via scrubbers and adsorbers, by burning the pollutants in the gas flow to produce water and carbon dioxide via a thermal oxidizer and flares, and by mitigating accidental emissions via a leak detection and repair (LDAR) program. The new and/or modified facilities will be controlled by the refinery fuel gas system and the LDAR program.