

Plain Language Summary for New Source Review (NSR) Renewal Amendment Application for Air New Source Review Permit Number 50607

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.

Diamond Shamrock Refining Company L.P. (CN600124861) has submitted an application for renewal of and amendment to permit number 50607. The Valero Three Rivers Refinery (RN100542802) is an integrated petroleum refinery. Crude oil is delivered to the refinery via pipeline, then processed and refined into various petrochemical products and commercial petroleum products such as gasoline, heating oil, and diesel fuel. The Valero Three Rivers Refinery is located at 301 West Leroy Street, Three Rivers, Live Oak County, Texas.

This renewal will authorize the continued operation of the storage tanks, heaters/boilers, process vents, wastewater facilities, cooling towers, flares, and associated ancillary sources (planned MSS activities and fugitive piping components). The amendment will update emission representations for certain storage tanks, revise various permit special conditions for purposes of clarification and/or operational flexibility, and incorporate several permits by rule and standard permits. No changes to production and no physical or operational changes are being authorized with this amendment. Diamond Shamrock Refining Company, LP 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	1148.39	3.30	1151.69
PM	158.10	10.27	168.37
PM ₁₀	134.51	12.72	147.23
PM _{2.5}	130.95	10.28	141.23
NO _x	577.04	-10.07	566.98
CO	841.95	50.45	892.40
SO ₂	338.99	13.54	352.53
Pb	0.00	0.00	0.00
Benzene	18.96	0.00	18.96
H ₂ S	7.74	<0.01	7.74
NH ₃	0.05	6.67	6.72
HF Acid	0.00	0.28	0.28
CL ₂	0.06	0.00	0.06
H ₂ SO ₄	59.96	0.00	59.96
O ₃	31.62	0.00	31.62
HCN	45.47	0.00	45.47

Pollutant	Permitted Emissions (tons per year)	Emissions Added/Deleted (tons per year)	Total Proposed Emissions (tons per year)
TRS	9.51	0.00	9.51
CS2	0.02	0.00	0.02
COS	0.11	0.00	0.11

The facilities being renewed are controlled by floating roof tanks where applicable, flares, TCEQ's LDAR program, compliance with federal regulations, incinerators and wet gas scrubbers, drift elimination systems, vapor combustion units, and by portable control devices for certain planned MSS activities. The amended facilities will be controlled by the same control techniques.