

Plain Language Summary for New Source Review (NSR) Renewal Amendment Application for Air New Source Review Permit Number 124424

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.

Valero Refining-Texas, L.P. (CN600127468) has submitted an application for renewal and amendment to permit number 124424. The Valero Houston Refinery (RN100219310) produces typical petroleum, refinery products such as blended gasoline, diesel, kerosene etc. at 9701 Manchester Street, Houston, Harris County.

This renewal will authorize the continued operation of the Alkylation Unit #2, boilers, cooling tower and associated fugitives at the refinery. The amendment will authorize the clarification of the boilers' maintenance, startup and shutdown (MSS) emission limits and the change of a boiler's NO_x emissions averaging period. Valero Refining-Texas, L.P. has listed in the application the pollutants and amounts that will be emitted for each facility. Below is the current amount allowed. There are no changes to added/deleted emissions (tons per year) in this application, and the total proposed emissions (tons per year) will remain the same.

Pollutant	Permitted Emissions (tons per year)	Emissions Added/Deleted (tons per year)	Total Proposed Emissions (tons per year)
VOC	41.33	-	41.33
PM	32.16	-	32.16
PM ₁₀	31.99	-	31.99
PM _{2.5}	30.43	-	30.43
NO _x	43.38	-	43.38
CO	161.08	-	161.08
SO ₂	51.74	-	51.74
H ₂ S	0.18	-	0.18
NH ₃	19.74	-	19.74

The facilities being renewed are controlled by a combination of proper emission controls (such as a selective catalytic reduction system and PM drift eliminator) and good operating/work practices. There are no new and/or modified facilities with this application.