

Plain Language Summary for New Source Review (NSR) Renewal and Amendment Applications for Air New Source Review Permit Numbers 2495 and 6308

The following summary is provided for these pending air permit applications 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 applications and are not federally enforceable representations of the permit application.

Flint Hills Resources Corpus Christi, LLC (CN603741463J) has submitted applications for renewal of permit number 2495 and amendment of permit number 6308. The East Refinery (RN102534138) produces petroleum and chemical products at 1607 Nueces Bay Boulevard, Corpus Christi, Nueces County.

The renewal will authorize the continued operation of a boiler, a tank, and fugitive piping components at the East Refinery.

The amendment will not authorize the construction of any new facilities or physical changes to any existing facilities at the East Refinery.

The amendment will establish permit limits for existing sulfuric acid mist emissions and will also consolidate other existing authorizations (previously authorized permits by rule, standard permits, and permit 2495) into permit 6308.

Flint Hills Resources Corpus Christi, LLC has listed in the applications 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)
NO _x	353.15	0.00	353.15
CO	613.34	-1.10	612.24
SO ₂	372.10	-16.65	355.45
PM	197.62	-6.87	190.75
PM ₁₀	195.61	-6.87	188.74
PM _{2.5}	194.41	-6.87	187.54
VOC	515.84	-6.46	509.38
Sulfuric Acid Mist	0.00	50.38	50.38
H ₂ S	13.77	-0.42	13.35
NH ₃	11.63	-0.16	11.47
Ozone	27.48	0.00	27.48
Toluene	2.16	0.00	2.16
Xylene	1.27	0.00	1.27
Benzene	0.44	0.00	0.44
HCN	63.90	0.00	63.90
NaHSO ₃	0.31	0.00	0.31

The existing facilities being renewed will continue to be controlled by Selective Catalytic Reduction (SCR), floating roofs, and fugitive piping component emission monitoring (leak detection and repair or LDAR). The existing facilities addressed in the amendment application will continue to be controlled by emission control devices such as floating roofs, incinerators, thermal oxidizers, carbon adsorption systems, scrubbers, SCR, and fugitive piping component emission monitoring (LDAR).