

Plain Language Summary for New Source Review (NSR) Renewal Amendment Application for Air New Source Review Permit Number 4020

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.

Blue Cube Operations LLC (CN60493084) has submitted an application for renewal of and amendment to permit number 4020. The Chlorine 3 Facility (RN108772245) is a chlorine production facility at Blue Cube’s Plant B site located in Freeport, Brazoria County. The permit also includes storage operations at Blue Cube’s Stratton Ridge facility located near Freeport, Brazoria County.

This renewal will authorize the continued operation of the production facilities at the Chlorine 3 Facility. The amendment will authorize updates to representations for the cooling towers, fugitive emissions, brine ponds, and Maintenance, Startup, and Shutdown (MSS) activities. Blue Cube 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)
CO	1.54	-0.36	1.18
NO _x	7.16	-2.94	4.22
VOC	19.50	-10.32	9.18
SO ₂	0.48	0.03	0.51
Particulate Matter (PM)	17.66	-1.26	16.40
PM ₁₀	15.74	-0.21	15.53
PM _{2.5}	10.46	-8.09	2.37
Hydrochloric Acid	0.48	-0.46	0.02
Chlorine	5.51	1.18	6.69

The facilities being renewed are controlled by scrubbers.