

Plain Language Summary for New Source Review (NSR) Amendment Application for Air New Source Review Permit Number 83789

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 an amendment to permit number 83789. This permit authorizes Maintenance, Startup, and Shutdown (MSS) activities for the Global Chlorinated Organics (GCO) facilities at Blue Cube's site located in Freeport, Brazoria County.

This amendment will authorize updates to representations for Maintenance, Startup, and Shutdown (MSS) activities, as well as changes to the permit Special Conditions. 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/Removed (tons per year)	Total Proposed Emissions (tons per year)
CO	0.02	0.07	0.09
NO _x	0.02	0.03	0.05
VOC	0.81	0.02	0.83
Particulate Matter (PM)	0	0.01	0.01
PM ₁₀	0	0.01	0.01
PM _{2.5}	0	0.01	0.01
Hydrochloric Acid	0.10	0.01	0.11
Chlorine	0.02	0.01	0.03
Methylene Chloride	0.14	-0.02	0.12
Perchloroethylene	0.09	-0.02	0.07

The facilities being modified are controlled by a thermal oxidizer and a pressure swing adsorber.
