

**Plain Language Summary for New Source Review (NSR) Renewal Amendment
Application for Air New Source Review Permit Number 127838, and
GHGPSDTX273, PSDTX1588M2**

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.

Formosa Plastics Corporation, Texas (FPC TX) (CN600130017) has submitted an application for renewal of and amendment to permit number 127838, GHGPSDTX273, and PSDTX1588M2. The Formosa Point Comfort Plant (RN100218973) produces/manufactures a variety of petrochemical and polymer products at 201 Formosa Drive, Point Comfort, Calhoun County and Jackson County.

This renewal will authorize the continued operation of the Polyethylene 3 (PE3) production plant to produce polyethylene in Jackson County. The amendment will authorize additional process vent streams routed to control and additional supplemental natural gas for the control systems as well as update pilot gas representations for a flare. This amendment is also authorizing changes to tank truck activities; updating Maintenance, Startup and Shutdown representations; regeneration to atmosphere activities. FPC TX is also requesting to reference and consolidate various Permit by Rule (PBR) registrations and authorizations into the NSR Permit.

FPC TX 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 of each pollutant 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	85.82	31.71	117.57
PM	12.64	0.53	13.21
PM ₁₀	4.79	0.53	5.36
PM _{2.5}	2.40	0.53	2.97
NO _x	9.00	68.76	77.77
CO	31.96	262.51	294.48
SO ₂	0.02	0.55	0.57
CO ₂	0.00	103895.24	103,895.24
CH ₄	0.00	26.76	26.76
N ₂ O	0.00	0.35	0.35
CO ₂ Equivalent	0.00	104,735.45	104,735.45
Chlorine Compounds	0.01	0.00	0.01
Cl ₂	0.02	0.00	0.02

The facilities being renewed are controlled as follows. Fugitive emissions from PE3 Plant operations are minimized by continuing the existing Leak Detection and Repair (LDAR) program. Particulate matter emissions from Cooling Towers are minimized using drift eliminators, and the cooling water is monitored for potential process leaks containing VOC.

The new and/or modified facilities will be controlled as follows. Sources of particulate matter emissions such as product silos, dry catalyst feeders, etc. are and will be vented through bag filters or cyclones to reduce the particulate matter emissions. VOC and other organic compound emissions from PE3 are controlled by routing routine process vent streams to combustion control devices. The combustion control devices include modern, highly-effective thermal oxidizers and flares. Truck loading VOC emissions will be controlled by the flare system. All emission control systems used by the PE3 Plant have been and will be designed, constructed, operated, and maintained using Good Engineering Practices to comply with all regulatory standards.