Plain Language Summary for New Source Review (NSR) Renewal Amendment Application for Air New Source Review Permit Number 128752

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 128752. 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 Ethylene Glycol 2 (EG2) production plant to produce various glycols in Calhoun County. The amendment will authorize updates to the storage tank calculations to reflect updated federal guidance, to combine maintenance, startup, and shutdown (MSS) representations under one grouping, to the piping fugitive component representations, the particulate matter and chlorine compound emissions from the cooling tower, and the representations for a process vent. FPC TX is also requesting to reference and incorporate various Permit by Rule (PBR) registrations and authorizations and a Standard Permit authorization 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 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)**
VOC	31.81	0.40	32.38
PM	15.05	0.00	15.27
PM_{10}	6.76	0.00	6.98
$PM_{2.5}$	1.94	-0.01	2.16
NO_x	6.23	-0.01	8.02
CO	11.48	-0.01	13.96
SO_2	0.03	-0.01	0.05
NaOH	0.01	0.00	0.01
Chlorine Compounds	0.01	0.00	0.01
Cl_2	0.00	0.02	0.02
HAPs	11.97	-1.19	10.78

The facilities being renewed are controlled as follows. VOC emissions from various process vents and purge streams are controlled by combustion in Waste Heat Boilers. VOC emissions from material loading operations are minimized by using submerged loading techniques.

The new and/or modified facilities will be controlled as follows. During normal operation, the VOC emissions from one process vent stream are controlled by destruction in a Regenerative Thermal Oxidizer. Particulate matter emissions from Cooling Towers are minimized using drift eliminators, and the cooling water is monitored for potential process leaks containing VOC. Fugitive emissions from EG2 Plant operations are minimized by continuing the existing Leak Detection and Repair (LDAR) program. All emission control systems used by the EG2 Plant have been and will be designed, constructed, operated, and maintained using Good Engineering Practices to comply with all regulatory standards.