Plain Language Summary for New Source Review (NSR) Amendment Application for Air New Source Review Permit Numbers 21101 and PSDTX1248M1. Issuance of Greenhouse Gas (GHG) Prevention of Significant Deterioration (PSD) Permit GHGPSDTX229

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.

Chevron Phillips Chemical Company LP (CN600303614) has submitted an application for an amendment to permit number 21101. The Port Arthur Chemical Plant (RN100209857) produces/manufactures industrial organic chemicals at 2001 South Gulfway Drive, Port Arthur, Jefferson County.

This amendment will authorize proposed changes to Unit 1544 including construction of a new furnace and increase ethylene production resulting from modifications to the compression, feed, and fractionation systems. Chevron Phillips Chemical Company LP 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)
VOC	596.88	14.68	611.56
PM	184.92	7.50	192.42
PM10	167.95	7.50	175.45
PM2.5	155.55	7.50	163.06
NOx	1753.47	10.08	1763.55
CO	5043.25	36.80	5080.05
SO2	306.01	14.10	320.11
NH3	0	4.71	4.71
H2S	0.22	0	0.22
Benzene	9.55	0	9.55
1,3-Butadiene	2.00	0	2.00
Freon	9.77	0	9.77
CO2e	NA	130863	130863

The new and/or modified facilities will be controlled by low NOx burners, selective catalytic reduction, and good combustion practices to minimize emissions from the new furnace. Fugitive emissions will be controlled through implementation of a leak detection and repair program.