

**Plain Language Summary for New Source Review (NSR) Renewal Amendment
Application for Air New Source Review Permit Number 122353, GHGPSDTX114M1 and
PSDTX1426M2**

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.

Bayport Polymers LLC (CN605458397) has submitted an application for renewal of and amendment to permit number 122353, GHGPSDTX114M1 and PSDTX1426M2. The Bayport Polymers (RN109845768) produces ethylene at 7600 32nd Street, Port Arthur, Jefferson County.

This renewal will authorize the continued operation of the Ethane Cracker Unit. The amendment will authorize various as-built changes to the Ethane Cracker Unit. Bayport Polymers LLC 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)
VOC	241.04	-44.33	201.07
PM	48.56	2.56	51.12
PM ₁₀	47.64	1.66	49.30
PM _{2.5}	44.54	0.84	45.38
NO _x	229.70	142.60	373.78
CO	989.82	427.33	1417.30
SO ₂	40.56	23.79	64.39
H ₂ SO ₄	0.48	1.90	2.38
NH ₃	58.99	0.49	59.48

The facilities being renewed are controlled by proper equipment design and operation, use of control devices to safely combust vapors, and routine monitoring for emissions. The furnaces are equipped with selective catalytic reduction controls to reduce emissions of nitrogen oxides. The new and/or modified facilities will be controlled by the same methods.