Plain Language Summary for New Source Review (NSR) Amendment Application for Air New Source Review Permit Number 5264

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 and amendment to permit number 5264. The Bayport Polymers plant (RN100909373) will produce/manufacture high density polyethylene at 12212 Port Rd, Pasadena, Harris County.

This amendment will authorize various changes for Bay 3 of the Bayport Plant to better reflect actual facility design and operations. 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/Removed (tons per year)**	**Total Proposed Emissions (tons per year)**
VOC	239.50	1.21	242.08
PM	31.16	1.78	32.94
PM_{10}	28.11	0.38	28.49
$PM_{2.5}$	23.15	-1.05	22.10
NOx	49.74	21.27	71.01
CO	139.79	62.55	202.34
SO_2	0.66	-0.07	0.59
HCl	0.01	0.00	0.01
Cr(IV)	0.01	0.00	0.01
HAP	4.10	7.46	11.56
NH_3	1.67	0.25	1.92

The new and/or modified facilities will be controlled by a flare and thermal oxidizer to destroy organic emissions by combustion, filters to capture particulates, selective catalytic reduction controls on the boilers to reduce nitrogen oxide emissions, routine monitoring of fugitive piping components, plus proper design and good operating practices.