Plain Language Summary for New Source Review (NSR) Renewal Amendment Application for Air New Source Review Permit Number 18561

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.

The Dow Chemical Company (CN600356976) has submitted an application for renewal of and amendment to permit number 18561. The PGA-IPG Facilities (RN100225945) produces/manufactures Polyglycol Amine and Industrial Polyglycol products at Dow Texas Operations, Freeport, Brazoria County.

This renewal will authorize the continued operation of the PGA-IPG facilities which includes reactors, process vents, loading facilities, and storage tanks. The amendment will authorize additional process vents, storage tanks, and revisions/updates to the permit emission calculations. The Dow Chemical Company 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	11.00	-2.13	9.32
PM	0.07	-0.01	0.06
PM_{10}	0.07	-0.02	0.05
$PM_{2.5}$	0.07	-0.02	0.05
NO_X	0.00	0.00	0.00
CO	0.05	0.00	0.05
SO_2	0.00	0.00	0.00
Pb	0.00	0.00	0.00
Halogenated Compounds	13.37	-13.37	0.00
Refrigerant	0.00	0.08	0.08
Refrigerant	0.00	0.18	0.18
Acetone	0.02	0.00	0.02

The facilities being renewed are controlled by monitoring piping components for leaks, proper maintenance, good engineering practice, following existing permit special conditions such as maintaining minimum scrubber water flowrates. The existing and modified facilities will continue to be controlled by scrubbers and a thermal oxidizer.