

**Plain Language Summary for New Source Review (NSR) Amendment
Application for Air New Source Review Permit Number 46431**

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 an amendment to permit number 46431. The Polymeric Methylene Diphenylene Isocyanate (PMDI) plant (RN100225945) will manufacture polyurethane products at 2301 N. Brazosport Blvd., Freeport, Brazoria County.

This amendment will authorize updated representations and additional flowrates to the control devices. 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/Removed (tons per year)	Total Proposed Emissions (tons per year)
Carbon Monoxide	96.57	1.08	97.65
Nitrogen Oxides	28.32	0.17	28.49
Particulate Matter	10.74	0.00	10.74
Particulate Matter (less than 10 microns)	8.54	0.00	8.54
Particulate Matter (less than 2.5 microns)	7.60	0.00	7.60
Sulfur Dioxide	0.62	0.00	0.62
Volatile Organics	16.65	0.46	17.12
Propylene	1.66	0.00	1.66
Hydrogen Chloride	11.75	9.10	20.85
Chlorine	0.38	0.88	1.26
Ammonia	4.20	0.00	4.20

The new and/or modified facilities will be controlled by a thermal oxidizer with tail scrubbers and a flare. Both will reduce the amount of pollutants going to the atmosphere.

