

**Plain Language Summary for New Source Review (NSR) Renewal
Application for Air New Source Review Permit Number 119089**

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 permit number 119089. The Polyethylene 6 Facility (RN100225945) produces/manufactures polyethylene at Dow Texas Operation, Freeport, Brazoria County.

This renewal will authorize the continued operation of Polyethylene 6 facility which includes process vents, storage tanks and flare. The Dow Chemical Company has listed in the application the pollutants and amounts that will be emitted for each facility. Below is the total amount for each pollutant that is proposed to be emitted each year for all the facilities.

Pollutants	Proposed Emissions (tons per year)
VOC	55.40
PM	5.62
PM ₁₀	5.62
PM _{2.5}	5.62
NO _x	19.40
CO	86.67
SO ₂	0.28
Ethylene	12.44
Propylene	1.77
Acetone	0.02

The facilities being renewed continue to be controlled by monitoring piping components for leaks, proper maintenance, good engineering practice, following existing requirements in the permit special conditions such as using continuous monitoring system to monitor emissions from flare. Existing equipment being renewed are controlled by flare.