

**Plain Language Summary for New Source Review (NSR) Renewal
Application for Air New Source Review Permit Number 28363**

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 28363. The Diphenyl Oxide (DPO) Plant (RN100225945) produces/manufactures DPO products at Dow Texas Operations, Freeport, Brazoria County

This renewal will authorize the continued operation of the DPO Plant which includes reactors, a thermal oxidizer, furnaces, process vents, loading facilities, and storage tanks. 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.

Pollutant	Proposed Emissions (tons per year)
VOC	4.29
PM	1.91
PM ₁₀	1.91
PM _{2.5}	1.91
NO _x	4.78
CO	9.44
SO ₂	0.11
DPO	0.59

The facilities being renewed continue to be controlled by a thermal oxidizer and the monitoring of piping components for leaks.