

**Plain Language Summary for New Source Review (NSR) Amendment
Application for Air New Source Review Permit Number 4351**

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 Amendment to Permit Number 4351. The Dow Beaumont Aniline Plant (RN109031641) produces/manufactures hydrocarbon feedstocks to produce nitrobenzene and aniline at Dow Texas Operations Beaumont, Jefferson County.

This amendment will authorize proposed changes to emissions calculation estimates for the Redox Unit in NSR 4351. No operational changes are proposed in this amendment, Dow is simply updating representations to reflect the Redox Unit operations more accurately. Dow 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.

Pollutants	Permitted Emissions (Tons Per Year)	Emissions Added / Removed (Tons Per Year)	Total Proposed Emissions (Tons Per Year)
VOC	0.53	0.06	0.59
NO _x	12.22	16.64	28.86
SO ₂	0.64	0.01	0.65
CO	8.15	0.09	8.24
N ₂ O	1.34	0.28	1.62
PM	1.08	0.02	1.10
PM ₁₀	1.08	0.02	1.10
PM _{2.5}	1.08	0.02	1.10

The facilities being amended are controlled by following existing requirements in the permit special conditions. These facilities are controlled the site's Redox Unit and flare.