

Plain Language Summary for New Source Review (NSR) Amendment Application for Air New Source Review Permit Number 914

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 914. The Ethylene Unit at Dow Sabine River Operations (RN100542711) is an olefins production unit at 2735 Farm to Market Rd 1006 in Orange, Orange County.

This amendment will authorize the addition of a hydrogen stream to the existing Ethylene Unit flare and modify the representation of emissions from the flare. 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)
VOC	131.78	70.08	201.86
NOx	66.74	72.37	139.11
CO	149.20	99.84	249.04
SO2	4.82	-4.30	0.52

The modified facilities will be controlled by a steam-assisted flare.