

Plain Language Summary for New Source Review (NSR) Initial Application for Air New Source Review Permit Number 169700

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.

Arcanum Infrastructure, LLC (CN605807163) has submitted an application for initial permit number 169700. The Arcanum Baytown Site (RN110461415) will produce/manufacture organic chemicals at 9520 East Freeway, Baytown, Harris County.

This permit will authorize construction of an organic chemicals manufacturing unit. Arcanum Infrastructure 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)
Volatile Organic Compounds (VOC)	12.52
Nitrogen Oxides (NOx)	6.87
Carbon Monoxide (CO)	51.67
Sulfur Dioxide (SO ₂)	0.23
Particulate Matter (PM)	4.00
Particulate Matter with an aerodynamic diameter of 10 microns or less (PM ₁₀)	2.96
Particulate Matter with an aerodynamic diameter of 2.5 microns or less (PM _{2.5})	2.33

The new facilities will be controlled by the use of floating roofs on organic liquid storage tanks, leak detection and repair programs to minimize piping leaks, filters on a cooling tower to limit mist, low emissions burners on a boiler, and a flare to destroy process gases.