

Plain Language Summary for New Source Review (NSR) Initial Application for Air New Source Review Permit Number 173470

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.

Sandpiper Chemicals, LLC (CN606138428) has submitted an application for initial permit number 173470. The Sandpiper Blue Methanol Plant (RN111735213) will produce/manufacture blue methanol at 201 Bay Street South, Texas City, Galveston County.

This permit will authorize construction of a blue methanol production facility to produce blue methanol from natural gas feedstock. The Facility will produce a synthesis gas (syngas) by reforming natural gas feedstock using Autothermal Reformer (ATR) technology. The syngas will be conditioned and converted into methanol. Produced methanol will be cooled, removed from the gas loop, and purified in a distillation section before being routed to storage and distribution. Sandpiper Chemicals, LLC 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)	20.77
Nitrogen Oxides (NO _x)	17.21
Carbon Monoxide (CO)	22.44
Sulfur Dioxide (SO ₂)	4.13
Particulate Matter (PM)	19.75
Particulate Matter 10 µg and less (PM ₁₀)	18.89
Particulate Matter 2.5 µg and less (PM _{2.5})	17.89
Ammonia (NH ₃)	6.23
Hazardous Air Pollutants (HAPs)	14.43

The new facilities will be controlled by low-NO_x burners, CO-catalysts, selective catalytic reduction (SCR), and a process flare.