

Plain Language Summary for New Source Review (NSR) Initial Application for Air New Source Review Permit Number 173838

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.

Vanguard Organics, LLC (CN606111664) has submitted an application for initial permit number 173838. The AD Sustaire Dairy (RN111802823) will produce/manufacture renewable natural gas at 48 County Road 3373, Winnsboro, Hopkins County.

This permit will authorize to construct and operate an anaerobic digestion facility to produce renewable natural gas from dairy cow manure and food waste. Vanguard Organics, 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)
VOC	3.92
PM	2.94
PM10	2.94
PM2.5	2.94
NOx	25.16
CO	32.34
SO2	29.17
CO2	52,544
HAPs	0.82
H2S	1.17

The new facilities will be controlled by anaerobic digestion, gas compression, hydrogen sulfide removal with a scrubber, dehydration, carbon dioxide removal via membrane technology, emergency flaring, two boilers (with the primary fuel type is natural gas and a secondary fuel type of propane), a natural gas emergency generator engine, two hydrolysis tanks, and organics unloading and de-packaging operations taking place within the organics receiving area.