

Plain Language Summary for New Source Review (NSR) Renewal

Application for Air New Source Review Permit Number 21965

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.

Tyson Refrigerated Processed Meats, Inc. (CN 600306690) has submitted an application for renewal of permit number 21965. The Vernon Bacon Processing Plant (RN 100636661) produces/manufactures bacon and other bacon products at 700 Wheeler St. Vernon, TX, Wilbarger County.

This renewal will authorize the continued operation of fuel combustion sources; such as boilers and ovens. Tyson Refrigerated Processed Meats, Inc. 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	6.47
PM	5.42
PM ₁₀	3.32
PM _{2.5}	0.00
Nox	30.54
CO	38.95
SO ₂	0.25
Pb	0.00

The facilities being renewed continue to be controlled by a thermal oxidizer. Emissions (such as smoke, VOC's, and other pollutants) from the ovens are collected in the thermal oxidizer then heated to a very high temperature. The pollutants are combusted at these high temperatures, meaning they are burned and broken down into simpler, less harmful substances like carbon dioxide and water vapor. The resulting cleaner gases are then released to the atmosphere.