

Plain Language Summary for New Source Review (NSR) Renewal Application for Air New Source Review Permit Number 72849

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.

Farmers Cooperative Gin & Elevator, Vernon, Texas (CN600933964) has submitted an application for renewal of permit number 72849. The Farmers Cooperative Gin & Elevator (RN104360680) is a grain elevator located at 100 Hwy 287 East, Vernon, Texas 76384.

This renewal will authorize the continued operation of Grain Elevator. This facility is a seasonal operation that receives, stores and ships various grains (ie. corn, milo, sorghum) grown in the area. The grain arrives in trucks that pull over the unloading pit and open the doors to allow grain to flow out. This grain builds up to the top of the pit prior to starting the unloading conveyors. This is called "plug feeding". The grain covering the conveyors minimizes the emissions of dust during the process. The grain is routed into a vertical leg that lifts the grain and deposits it into an unloading head with various outlets. A valve will be opened allowing the grain to flow to the desired storage tank or another location in storage. The grain will usually be stored for some amount of time before it is shipped. During shipping, valves under the storage tanks will open allowing grain to flow into a conveyor. This conveyor moves grain to the vertical leg which lifts the grain and deposits it into the loading spout located over a truck. A "drop sock" is used on the spout to minimize the emission of particulate matter during truck loading. Grain is unloaded, stored and loaded during the season. Farmers Cooperative Gin & Elevator, Vernon, Texas has certified there will be no changes to the permit. The following permitted emission rates will remain the same.

Pollutant	Proposed Emissions (tons per year)
PM	1.86
PM10	0.66
PM2.5	0.22

The facilities being renewed continue to be controlled by Plug Feeding at the unloading pit area and with Drop Socks at the loading spouts. These items minimize the amount of particulate matter that is emitted during operation.