

Plain Language Summary for New Source Review (NSR) Initial Application for Air New Source Review Permit Number 181609

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.

Heartland Co-Op, Corp. (CN605742741) has submitted an application for initial permit number 181609. The Heartland Co-Op – Amarillo Elevator (RN102419132) is a grain storage facility located at 8501 SE 1st Avenue, Amarillo, Potter County.

This permit 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 or railcars 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 or railcar. 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. Heartland Co-Op Corp. 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)
PM	15.60
PM10	4.99
PM2.5	0.84

The new facilities will 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.