

**Plain Language Summary for New Source Review (NSR) Initial
Application for Air New Source Review Permit Number 4661**

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.

Texas Tech University(CN 600272256) has submitted an application for the proposed renewal of permit number 4661. The Texas Tech New Deal Research Farm (RN102256898) is an existing feedmill and open confinement designed to house and feed mixed-species of animals which is located adjacent to FM 1729, at a point approximately 1.75 miles east of the Intersection of FM 2902 and 1729 in Lubbock County.

This permit will authorize the Texas Tech New Deal Research Farm, to emit the following air contaminants: CO, NOx, PM, PM10, PM2.5, SO2 and VOC with emission rates provided in the permit.

Pollutant	Proposed Emissions (tons per year)
Truck Receiving Pit	133,000
Truck Loadout	8,645
Pellet Cooler Cyclone, Flaked Grain Cyclone No. 1&2	8,000 each

The facility has enclosed conveying and handling equipment, choke feeding on the receiving pit, all loadout spouts will be equipped with drop socks or telescoping spouts extending inside the vehicle being loaded, prompt cleanup of spilled grain or feed products, application of water or chemical treatments to all unpaved facility driveways and parking areas for dust separation. The coolers are equipped with high efficiency cyclone separator for control of particulate matter emissions. There is a dust collection systems that pulls suction on the micro-ingredient pre-mix bins, the forage box inlets and the grain and roughage batch scale and exhausts through a high efficiency cyclone separator. The boiler burns only pipeline-quality sweet natural gas.