

Plain Language Summary for New Source Review (NSR) Renewal Amendment Application for Air New Source Review Permit Number 21171

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.

Nucor Corporation (CN601246663) has submitted an application for renewal of and amendment to permit number 21171. The Steel Joist and Deck Manufacturing Facility (RN102448792) produces/manufactures fabricated structural metal at 175 County Road 2345, Grapeland, Houston County.

This renewal will authorize the continued operation of joist, decking, and bridging coating operations and metal fabrication facilities. The amendment will authorize application representation updates and permit by rule consolidations. Nucor Corporation has listed in the application the pollutants and amounts that will be emitted for each facility. Below is the current amount allowed, the amount to be added or removed, and the total amount for each pollutant that is proposed to be emitted each year for all the facilities.

Pollutant	Permitted Emissions (tons per year)	Emissions Added/Deleted (tons per year)	Total Proposed Emissions (tons per year)
VOC	195.68	0.58	207.17
PM	3.89	-0.30	3.59
PM10	3.89	-0.30	3.59
PM2.5	3.89	-0.30	3.59
NO _x	2.01	0.00	2.01
CO	1.69	0.00	1.69
SO ₂	0.02	0.00	0.02
Pb	0.00	0.00	0.00
Exempt Solvents	0	1.14	1.14
HAPs (single)	< 10	0	< 10
HAPs (total)	< 25	0	< 25

The facilities being renewed are controlled by using paints that are inherently low in volatile organic compounds and use methods that maximize paint transfer onto the coated parts, which minimizes what is going into the air. Stringent work practices are implemented to minimize emissions from metal fabrication activities such as cutting and welding. Storage tanks are filled to minimize emissions and are located under roof.

The new and/or modified facilities will be controlled by using paints that are inherently low in volatile organic compounds and use methods that maximize paint transfer onto the coated parts, which minimizes what is going into the air. Combustion sources use good combustion practices and natural gas fuel, which also minimizes what is going into the air.