

AIR QUALITY PERMIT NOTICE
Draft Title V/Title 1 - Construction/Operating Permit V-20-015
Nucor Steel Gallatin, LLC

Plant ID: 21-077-00018 - Agency Interest: 1449

Subject to Prevention of Significant Deterioration (PSD) and Concerning the Construction and Operation of a Steel Recycling Mini-Mill in Gallatin County, Kentucky

Nucor Steel Gallatin, LLC of 4831 US Highway 42 West, Ghent, Kentucky has applied to the Kentucky Division for Air Quality for a significant revision and renewal of the existing Title V permit to construct and operate a new steel melt shop #2, a cold rolling mill complex, a pickling and galvanizing line, and associated support operations to be located at 4831 US Highway 42 West, Ghent, Kentucky. The plant is classified as a Title V major source due to its emissions of regulated air pollutants and hazardous air pollutants. The melt shop #2, cold rolling mill complex, and associated modifications and emission increases at existing units has the potential to emit 418 tons of PM, 583 tons of PM10, 417 tons of PM2.5, 677 tons of NOx, 2,887 tons of CO, 451 tons of SO2, 0.70 ton of Lead, 223 tons of VOC, 4.95 tons of Fluorides, and 942,170 tons of CO2e annually which are the ten pollutants for which the potential to emit is above the PSD modification significance thresholds. Air quality regulations for prevention of significant deterioration of air quality will apply to the emissions of PM, PM10, PM2.5, NOx, CO, SO2, Lead, VOC, Fluorides, and CO2e from this facility. For the project, ambient air dispersion modeling was performed to determine the degree of increment consumption expected to occur, pursuant to 401 KAR 51:017. The following table lists the Class II PSD increment and increment consumed:

Pollutant	Averaging Period	Class II PSD Increment (µg/m3)	Increment Consumed (µg/m3)	Exceeds Increment?
PM10	24-hour	17	1.40*	No
PM10	Annual	30	10.49	No
PM2.5	24-hour	9	8.52	No
PM2.5	Annual	4	1.99	No
NOx	Annual	25	7.50	No

* - Highest Nucor contribution at an exceedance

Based on the AERMOD modeling results for NO2, PM10, PM2.5 and SO2 are below the Class I Significant Impact Levels (SILs) at all Class I areas within 50 km of the Gallatin facility; therefore, compliance with the applicable Class I PSD Increment standards is presumed. The one Class I area within 300 km of the Gallatin facility evaluated in the Class I Significance Analysis is Mammoth Cave National Park.

Official copies of the Division's draft permit and supporting information are available for inspection by the public at <https://eec.ky.gov/Environmental-Protection/Air/Pages/Public-Notices.aspx> and during normal business hours at the following locations:

Division for Air Quality, 300 Sower Boulevard, 2nd Floor, Frankfort, KY 40601 Phone (502) 782-6783; and the Division for Air Quality, Florence Regional Office, 8020 Veterans Memorial Drive, Suite 110, Florence, KY 41042, Phone (859) 525-4923

For a period of 30 days the Division is soliciting comments on the draft permit. The first day of the 30 day period is the day after the publication of this notice. Comments and/or public hearing requests should be sent to Ms. Shauna Switzer at 300 Sower Boulevard, 2nd Floor, Frankfort, KY 40601 or email Shauna.Switzer@ky.gov. Any person who requests a public hearing must state the issues to be raised at the hearing. If the Division finds that a hearing will contribute to the decision-making process by clarifying significant issues affecting the draft permit, a hearing will be announced. All relevant comments will be considered in issuing the proposed permit. U.S. EPA has up to 45 days following issuance of the proposed permit to submit comments. The status regarding EPA's 45-day review of this project and the deadline for submitting a citizen petition will be posted at the following website address: <http://www2.epa.gov/caa-permitting/kentucky-proposed-title-v-permits> shortly after the end of this 30-day comment period. Further information can be obtained by calling Ms. Shauna Switzer at (502) 782-6783.

The Commonwealth of Kentucky does not discriminate on the basis of race, color, national origin, sex, religion, age or disability in employment or the provision of services and provides, upon request, reasonable accommodation including auxiliary aides and services necessary to afford individuals an equal opportunity to participate in all programs and activities. Materials will be provided in alternate format upon request.