

AIR QUALITY PERMIT NOTICE

Notice of Intent to Approve

On January 21, 2022, Nucor Steel West Virginia LLC (Nucor) applied to the WV Department of Environmental Protection (DEP), Division of Air Quality (DAQ) for a permit to construct a steel mill located near Apple Grove, Mason County, WV at latitude 38.65536 and longitude -82.16853. A preliminary evaluation has determined that all State and Federal air quality requirements will be met by the proposed facility. The DAQ is providing notice to the public of its preliminary determination to issue the permit as R14-0039.

The following potential emissions will be authorized by this permit action: Particulate Matter less than 2.5 microns, 570.10 tons per year (TPY); Particulate Matter less than 10 microns, 617.54 TPY; (total) Particulate Matter, 690.89 TPY; Sulfur Dioxide, 361.48 TPY; Oxides of Nitrogen, 701.59 TPY; Carbon Monoxide, 3,263 TPY; Volatile Organic Compounds, 178.36 TPY; Total Hazardous Air Pollutants, 7.48 TPY, Greenhouse Gases (CO₂e), 673,848 TPY.

The purpose of the DAQ's permitting process is to make a preliminary determination if the proposed facility, which is defined as a major stationary source under 45CSR14, meets all state and federal air quality requirements. DEP rules and U.S. EPA regulations require that all pollutants at a major stationary source that will be emitted in "significant" amounts (as defined within 45CSR14) shall: (1) be controlled by application of "best available control technology" (as defined within 45CSR14); (2) not cause or contribute to violations of either the primary or secondary national ambient air quality standards (NAAQS) nor any Class 1 or Class 2 air quality increments applicable in the area where the source is located or elsewhere; and, (3) not adversely impact upon soils, vegetation, and visibility in the vicinity of the plant site. A preliminary evaluation by the DAQ of the information submitted by Nucor indicates that the proposed facility will meet the emission limitations and conditions set forth in the draft permit and will comply with all currently applicable state and federal air quality rules and regulations (including 45CSR14, the WV Legislative Rule implementing the Prevention of Significant Deterioration program that includes the requirements listed above). Nucor has anticipated a facility start-up date in January 2024.

The following are the results of the Class 1 and Class 2 ambient air quality increment analysis:

Class 1 Increment Analysis: The Class 1 increment analysis produced the following results: screening and modeling analysis showed that potential impacts in the following Class 1 areas were "insignificant" as defined by 45CSR14: Otter Creek Wilderness Area and the Dolly Sods Wilderness Area in West Virginia and the Shenandoah National Park and the James River Face Wilderness Area in Virginia. This finding of "insignificant impacts" precluded a required full multi-source Class I increment analysis.

Class 2 Increment Analysis: The Class 2 increment analysis produced the following results (location of maximum impact): 93% at 8.34 µg/m³ of PM_{2.5} on a 24-hour basis; 73% at 2.90 µg/m³ of PM_{2.5} on an annual basis; 93% at 28.0 µg/m³ of PM₁₀ on a 24-hour basis; 33% at 5.59 µg/m³ of PM₁₀ on an annual basis; 22% at 5.45 µg/m³ of NO₂ on an annual basis, and 4.4% at 3.96 µg/m³ of SO₂ on an annual basis.

The DAQ has scheduled a public meeting for 6:00 p.m. on Thursday, April 7, 2022. The public meeting will be held virtually to prevent the spread of COVID-19. Instructions for providing written comments and for providing oral comments at the virtual public meeting are provided below.

The purpose of the public review process is to accept public comments on air quality issues relevant to this determination. Only written comments or comments presented orally at the scheduled public meeting will be considered prior to final action on the permit. All such comments will become part of the public record.

Written comments must be received by 5:00 p.m. on Friday, April 29, 2022:

- Email written comments to Joseph.R.Kessler@wv.gov with "Nucor Steel West Virginia Comments" in the subject line, or
- Mail hard copy comments to Mr. Joseph Kessler, WV Department of Environmental Protection, Division of Air Quality, 601 57th Street, SE, Charleston, WV 25304.

Public meeting participation:

- To participate online or by telephone, registration is required by 5:00 p.m. on Thursday, April 7, 2022. To register, please complete the registration form at: <https://forms.gle/kfQMFrhfRXDMWQw7>.

To provide oral comments, please check "yes" in the appropriate box on the registration form. Oral comments shall be limited to 5 minutes. After registration, a confirmation e-mail will be sent with information on how to join the public meeting. Registration for the online meeting is required to fulfill the state's obligation under federal air quality regulations to include a list of participants. If you do not have internet access and want to register to participate via telephone, please contact Stephanie Hammonds at (304) 926-0499 x41263. If participating virtually, video demonstrations and screen sharing by commenters is not permitted.

Additional information, including copies of the draft permit, application, and all other supporting materials relevant to the permit decision may be obtained by contacting the engineer listed below or downloaded at:

<https://dep.wv.gov/daq/permitting/Pages/NSR-Permit-Applications.aspx>.

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