

AIR QUALITY PERMIT NOTICE

Draft Title V Permit V-22-011 R2

Subject to 401 KAR 51:017, Prevention of Significant Deterioration (PSD) and
Concerning the Construction and Operation of a Secondary Smelting
and Alloying of Aluminum facility in Todd County, Kentucky

Source ID: 21-219-00039

Agency Interest: 136118

Novelis Guthrie, a division of Novelis Corporation, of 8155 Old Railroad Lane, Guthrie, KY, has applied to the Kentucky Division for Air Quality for a significant revision to the Title V/Title I permit to construct and operate an aluminum ingot casting facility and associated support operations located at the same address. The plant will be classified as a Title V/Title I major source due to its emissions of regulated air pollutants and hazardous air pollutants. The aluminum casting facility has the potential to emit 90 tons of filterable PM, 109 tons of PM₁₀, 76 tons of PM_{2.5}, 202 tons of NO_x, 193 tons of CO, 93 tons of VOC, and 209,528 tons of CO_{2e} annually which are the 7 pollutants for which the potential to emit is above the PSD significance thresholds. This facility also has the potential to emit 0.005 tons of Lead and 0.76 tons of SO₂, both below the PSD significance thresholds. Air quality regulations for prevention of significant deterioration of air quality apply to the emissions of PM, PM₁₀, PM_{2.5}, NO_x, CO, VOC, and CO_{2e} 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 | Modeled Concentration (µg/m ³) | PSD Class II Increment Standard (µg/m ³) |
|---|------------------|--|--|
| PM ₁₀ | 24 hour | 24.70 | 30 |
| | Annual | 3.09 | 17 |
| PM _{2.5} | 24 hour | 8.64 | 9 |
| | Annual | 1.71 | 4 |
| PM _{2.5} ¹ (secondary) | 24 hour | 8.68 ¹ | 9 |
| | Annual | 1.71 ¹ | 4 |
| NO ₂ | Annual | 7.43 | 25 |

(1) Secondary PM_{2.5} concentrations estimated using the default KDAQ MERP values.

Based on the AERMOD modeling results for NO₂, PM₁₀, and PM_{2.5}, the predicted ambient impacts are below the Class I Significant Impact Levels (SILs) at all Class I areas within 50 km of the Novelis facility; therefore, compliance with the applicable Class I PSD Increment standards is presumed. The Class I areas within 300 km of the Novelis facility evaluated in the Class I Significance Analysis are Mammoth Cave National Park (KY), Sipsey Wilderness (AL), Mingo National Wildlife Refuge (MO) and Cohutta Wilderness (GA).

Official copies of the Division's draft permit and relevant 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) 564-3999; and Division for Air Quality, Bowling Green Regional Office, 2642 Russellville Road, Bowling Green, KY 42101, Phone (270) 746-7475.

For a period of 30 days the Division is soliciting comments on the draft permit and affording the opportunity for a public hearing. The first day of the 30 day period is the day this notice is posted on the website above. Comments and/or public hearing requests should be sent to Michelle McCloskey at 300 Sower Boulevard, 2nd Floor, Frankfort, KY 40601 or via email to AIRKentucky@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: <https://www.epa.gov/caa-permitting/kentucky-proposed-title-v-permits> shortly after the end of this 30-day comment period. Further information can be obtained from Michelle McCloskey by calling (502) 782-6713.

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.