

TITLE 326 AIR POLLUTION CONTROL DIVISION

Rule Information Sheet

Vertellus Emission Limits Update
LSA Document #19-82

Overview

This rulemaking amends 326 IAC 6.5-6-31, concerning the particulate matter (PM) emission limits changes requested by Vertellus Integrated Pyridines, LLC (Vertellus), a chemical manufacturing company in Indiana. These revisions remove units that are no longer operating or have been demolished at the facility, make changes to PM limits on other units impacted by the United States Environmental Protection Agency's (U.S. EPA) recently adopted sulfur dioxide (SO₂) limits at 326 IAC 7-4-2.1(a)(4), update existing language, and add new language pertaining to the types of gases burned in certain units.

The 2010 1-hour SO₂ National Ambient Air Quality Standard (NAAQS) was established at a level of 75 parts per billion (ppb) and was incorporated into Indiana's State Implementation Plan (SIP) on March 22, 2019 (75 FR 35520), as a result of U.S. EPA's nonattainment designation based on Marion County's 1-hour SO₂ monitoring data. These data were measured from 2010 through 2012 and were found to exceed the NAAQS of 75 ppb.

Consequently, emission limits listed in the Marion County SO₂ SIP were revised in order to demonstrate attainment of the new 1-hour SO₂ standard. Petroleum oil was previously burned at several Vertellus units, which contributed to monitored violations of the 1-hour SO₂ standard in Marion County. These units have since switched to burning natural gas, which reduces SO₂ emissions and allows Vertellus to remain in compliance with its revised SO₂ limits to ensure continued attainment of the 1-hour SO₂ standard.

Additionally, language is being added at 326 IAC 6.5-6-31(b)(2) to indicate that certain units burn both natural and landfill gases. Vertellus anticipates that switching from petroleum fuels to natural gas, as well as reducing the amount of landfill gas burned, will result in an emissions decrease of 14.1 tons per year as compared to the amount currently listed in Indiana's SIP, and allow the area to demonstrate attainment of U.S. EPA's NAAQS.

Affected Persons

Vertellus Integrated Pyridines, LLC.

Reasons for the Rule

Revising 326 IAC 6.5-6-31 to reflect attainment of the 2010 1-hour SO₂ standard for sources listed in the Marion County SO₂ SIP, as well as updating the fuel types burned in other units, is necessary to ensure that Vertellus is in compliance with the SO₂ limits and that state laws are consistent with federal regulations.

Economic Impact of the Rule

This rulemaking will have a positive fiscal impact on Vertellus because the revisions to the PM emission limits for its equipment will allow the source to remain in compliance with the federal SO₂ limits and ensure continued attainment of the 1-hour SO₂ standard. Making no changes to 326 IAC 6.5-6-31 may result in greater SO₂ emissions and potentially contribute to a nonattainment designation in the area.

Scheduled Board Action and Hearings

First Public Hearing: November 18, 2020, at 1:30 p.m., held remotely through Zoom

Second Public Hearing: February 10, 2021, at 1:30 p.m., held remotely through Zoom

Zoom Info for February 10, 2021 Environmental Rules Board Meeting

Join Zoom Meeting

<https://zoom.us/j/95340442987?pwd=NXISWk5qcIFOK1p1R0NvM040N1BRdz09&from=addon>

By Phone

929-205-6099

301-715-8592

Meeting ID: 953 4044 2987

Passcode: 697198

IDEM Contact

Additional information regarding this rulemaking action can be obtained from Keelyn Walsh, Rules Development Branch, Office of Legal Counsel, at kwalsh@idem.in.gov, (317) 232-8229, (800) 451-6027 (in Indiana), or kwalsh@idem.in.gov.