

Notice
Commonwealth of Pennsylvania
Department of Environmental Protection
Air Quality

**Notice of Proposed Revision to the State Implementation Plan for Oxides of Nitrogen,
Volatile Organic Compounds, Notice of Public Hearing, and Notice of Intent to Issue
Revised Air Quality Operating Permit 03-00027**

Approval of a Reasonably Available Control Technology (RACT 2) plan for Keystone-Conemaugh Projects, LLC Keystone Station located in Plumcreek Township, Armstrong County.

In accordance with 25 Pa. Code Sections 129.96 - 129.100, the Pennsylvania Department of Environmental Protection has made a preliminary determination to approve a RACT 2 plan and an amendment to the State Implementation Plan (SIP) for the Keystone Station owned and operated by **Keystone-Conemaugh Projects, LLC** in Plumcreek Township, **Armstrong County**.

The proposed SIP revision does not adopt any new regulations. It incorporates the provisions and requirements contained in the 40 CFR § 52.2065 as RACT 2 for the facility, which are intended to satisfy the requirements for the 1997 National Ambient Air Quality Standard (NAAQS) and the 2008 NAAQS for ozone.

The proposed amendments to the RACT 2 determinations, if approved, will be incorporated into a revised operating permit (03-00027) for the facility. The relevant RACT 2 requirements will be submitted to the U.S. Environmental Protection Agency (EPA) as a revision to Pennsylvania's State Implementation Plan and will remain in effect until replaced pursuant to 40 CFR 51 and approval by the EPA. Requirements that are not part of the RACT 2 determinations will be excluded from the SIP submittal.

The following is a summary of the proposed amendments to the RACT 2 determination for this operation that will be submitted to the EPA as a SIP revision:

- The total combined NO_x emissions from Boilers 1 and 2 shall not exceed 0.075 lb/MMBtu on a 30-operating day rolling average.
- Daily NO_x emissions from Boiler 1 shall not exceed 15,691 lb per unit operating day.
- Daily NO_x emissions from Boiler 2 shall not exceed 15,691 lb per unit operating day.
- The permittee shall utilize the following methods when determining compliance with the NO_x RACT emission limits: (a) For 30-operating day rolling average NO_x emission limit, 40 CFR parts 60 and 75, appendix F, Procedure 1; (b) For the Unit-specific Daily NO_x Mass Emission Limits, 40 CFR part 75; and (c) All monitoring and testing shall be conducted in accordance with 25 Pa. Code Chapter 139, Subchapter C.
- The permittee shall: (a) Operate the SCR systems associated with Boiler 1 and/or 2 at all times the source is in operation and it is technically feasible to do so in accordance with manufacturer specifications for the SCR systems and sound engineering principles. This requirement applies

regardless of the fuel type being combusted in the boiler. (b) Utilize reagent in the SCR systems at a rate that is optimized to maximize the degree of NO_x control while minimizing ammonia slip, and (c) Operate and maintain the SCR systems in accordance with manufacturer specifications and good operating practices for the control of the NO_x emissions.

- The permittee shall create and maintain records of: (a) the hourly heat input for each unit; (b) The specific hourly ammonia injection amounts for each unit; and (c) The specific hourly NO_x emission rate for each unit. Records shall be retained for at least five years.
- The permittee shall electronically submit a periodic report, within thirty days after the end of each six-month reporting period. The periodic report shall contain data for each Operating Day during the reporting period, including, but not limited to: Facility ID; Facility name; Unit ID; Date; Unit-specific total Daily Operating Time; Unit-specific Daily NO_x Mass Emissions; Unit-specific total Daily Heat Input; Unit-specific Daily NO_x Emission Rate; Facility-wide 30-Day Rolling Average NO_x Emission Rate; Owner; Operator; and Representative (Primary and Secondary). The periodic report shall be certified by the Responsible Official for the facility.
- Boilers 1 and 2 are also subject to a Federal Implementation Plan for NO_x RACT 2, which is codified in 40 CFR § 52.2065.

In addition, 40 CFR § 51.308(f)(2) of the Regional Haze Rule requires State Implementation Plans to include enforceable emissions limitations, compliance schedules, and other measures that are necessary to make reasonable progress as determined pursuant to 40 CFR § 51.308(f)(2)(i) through (iv). To satisfy four-factor analysis requirements related to the second implementation period for Regional Haze, the Department proposes to add a requirement to make the previously identified shutdown date of on or before December 31, 2028 for Source 031 and Source 032 (Boiler 1 and 2) federally enforceable and permanent.

Public hearing. A public hearing will be held if requested by February 21, 2024 to accept oral comments on the proposed operating permit revision and the proposed SIP revision. The hearing will be held, if requested, on February 28, 2024, at 10:30 AM at the DEP Northwest Regional Office, 230 Chestnut Street, Meadville, PA 16335. To request a hearing, to register to speak at a hearing, or to inquire if a hearing will be held, please contact Tom Decker at 814-332-6615. The last day to pre-register to speak at a hearing, if one is held, will be February 21, 2024. If we do not receive any pre-registered speakers by this date, the hearing will be cancelled.

Please note that any updates made to any aspect of the hearing, including whether or not a hearing will be held, will be posted online at:

<https://www.dep.pa.gov/About/Regional/NorthwestRegion/Community-Information/Pages/default.aspx>. We ask that you contact Tom Decker at 814-332-6615 or monitor the Web site to determine if a hearing will be held.

Persons wishing to present testimony at the hearing should contact Tom Decker at 814-332-6615 at least one week in advance of the hearing to reserve a time to present testimony. Oral testimony will be limited to a maximum of 10 minutes per individual and two written copies of the oral testimony are requested. Each organization is requested to designate one witness to present testimony on its behalf.

Persons unable to attend the hearing, if it is held, may submit three (3) copies of a written statement and exhibits within 10 days thereafter to Eric Gustafson, Environmental Program Manager, Pennsylvania Department of Environmental Protection Northwest Regional Office, 230 Chestnut Street, Meadville, PA 16335.

Persons wishing to file a written protest or provide comments or additional information, which they believe should be considered prior to the issuance of a permit, may submit the information to Eric Gustafson, Environmental Program Manager, Pennsylvania Department of Environmental Protection Northwest Regional Office, 230 Chestnut Street, Meadville, PA 16335. A 30-day comment period from the date of this notice will exist for the submission of comments, protests and information. Each submission must contain the name, address and telephone number of the person submitting the comments, identification of the proposed RACT 2 Operating Permit including the permit number and a concise statement regarding the relevancy of the information or objections to issuance of the proposed RACT 2 Plan.

All pertinent documents are available for public review between 8 a.m. and 4 p.m. at the DEP Northwest Regional Office, 230 Chestnut Street, Meadville, PA 16335. Appointments for scheduling a review may be made by calling the Department at 813-332-6078 or by email submitted to ra-epnwinformfilere@pa.gov. The review memo and draft permit modification will be posted at: <https://www.dep.pa.gov/About/Regional/NorthwestRegion/Community-Information/Pages/RACT-II.aspx>

Persons with a disability who wish to comment and require an auxiliary aid, service or other accommodations to do so should contact Tom Decker at 814-332-6615 or the Pennsylvania AT&T Relay Service at 1-800-654-5984 (TDD) to discuss how the Department may accommodate your needs.