

**Notice**  
**Commonwealth of Pennsylvania**  
**Department of Environmental Protection**  
**Air Quality**

**Notice of Intent to Issue Air Quality Operating Permit – Title V Permit (TVOP) 55-00026,  
Notice of Proposed Revision to the State Implementation Plan for Oxides of Nitrogen  
(NOx), and Notice of Public Hearing.**

Under 25 Pa. Code Sections 127.424 and 127.521, the Department of Environmental Protection (DEP) provides notice of the intent to issue the Title V Operating Permit (TVOP 55-00026) application for Hummel Station LLC located in Shamokin Dam Borough, Snyder County. In addition, the DEP has made a preliminary determination to approve an alternative Reasonably Available Control Technology (RACT3) plan submitted for the above facility and seeks approval of an amendment to the State Implementation Plan (SIP). The facility's contact person regarding the above proposals is Mr. Steve Smith, O & M Manager, PO Box 518 Shamokin Dam, PA 17876-0518.

The Hummel Station facility's sources are comprised of the three natural gas fired combined cycle turbines coupled with Heat Recovery Steam Generators (HRSG) equipped with duct burners, along with the ancillary sources including an auxiliary boiler and a natural gas fired line heater, an emergency generator diesel engine, a diesel fired fire pump, and a mechanical draft cooling tower.

The type and quantity of emissions on a combined facility wide basis are estimated to be equal to approximately: 257.39 ton/yr nitrogen oxides (NOx); 398.63 ton/yr carbon monoxide (CO); 56.72 ton/yr sulfur oxides (as SO<sub>2</sub>); 77.01 ton/yr volatile organic compounds (VOC); 5.83 ton/yr hazardous air pollutants (HAPs), 4,261,797 ton/yr carbon dioxide (CO<sub>2</sub>); and 220.36 ton/yr PM<sub>2.5</sub> and PM<sub>10</sub>.

TVOP 55-00026 contains all applicable air quality regulatory requirements, including appropriate testing, monitoring, recordkeeping, reporting and work practice conditions to verify compliance. These operating permit conditions have been derived from the applicable requirements of 40 CFR Parts 60, 63, and Pa Code Title 25, Article III, Chapters 121 through 145, relating to the rules and regulations of DEP. The emission limits, throughput limitations and work practice standards along with testing, monitoring, recordkeeping and reporting requirements have been included in the operating permit to ensure the facility complies with all applicable Federal and State air quality regulations.

This Title V facility is subject to the Acid Rain Requirements of Title IV of the Clean Air Act. The application is subject to the regulatory requirements specified in 40 CFR Part 72. The Acid Rain Permit will cover the three (3) combined cycle combustion turbine units at the facility. The Acid Rain Permit incorporates the applicable requirements to the units, as specified in 25 Pa. Code § 127.531 and 40 CFR Parts 72 through 80. The SO<sub>2</sub> allowance allocated by the Acid Rain Program pursuant to 40 CFR Part 73 for this facility is zero. The Title IV permit includes special permit conditions for the allowance tracking system. The units are not subject to the

NOx emission limitations of 40 CFR Part 96 since they are only authorized to combust natural gas for operation.

As noted above, pursuant to 25 Pa. Code Sections 129.111 through 129.115, this notice also provides that the DEP has made a preliminary determination to approve the alternative RACT3 plan including case-by-case NOx requirements. Accordingly, the DEP also seeks approval of an amendment to the State Implementation Plan (SIP) for the Hummel Station LLC facility. Additionally, the applicable presumptive RACT3 requirements of 25 Pa. Code §129.112 are also included in the proposed operating permit

The final case-by-case NOx requirements established under RACT 3 will be incorporated into TVOP 55-00026 and later submitted to the U.S. Environmental Protection Agency (EPA) as a revision to Pennsylvania's State Implementation Plan (SIP). The requirements will remain in effect until replaced pursuant to 40 CFR 51 and approval by the EPA. Other permit requirements that are not part of the alternative RACT 3 plan will be excluded from the proposed SIP revision. Additionally, the proposed SIP revision does not adopt any new regulations. It incorporates the case-by-case NOx requirements, which are intended to satisfy the requirements for the 2015 National Ambient Air Quality Standard for ozone.

The following is a summary of the proposed alternative RACT3 requirements:

A NOx limit of 2.0 ppmv not to be exceeded at any time excluding startup and shutdown conditions for each of the combined cycle gas turbines and HRSGs, Source IDs P181, P182 and P183. Additionally, a NOx limit of 6.1 ppmv on a 30 day average not to be exceeded at any time including during periods of startup shutdown and malfunctions for each of the combined cycle gas turbines and HRSGs, Source IDs P181, P182 and P183.

The NOx emissions from each of the combined cycle gas turbines and HRSGs, Source IDs P181, P182 and P183 shall be controlled by a selective catalytic reduction unit.

A VOC limit of 2 ppmvd VOC (as propane) at 15% oxygen for each of the combined cycle gas turbines and HRSGs, Source IDs P181, P182 and P183.. The VOC limit is the presumptive limit specified in 25 Pa. Code §129.112(g)(2)(iii)(B).

The permittee shall follow and comply with the case-by-case NOx RACT3 requirements no later than the effective date of the new operating permit (TVOP 55-00026).

*Public hearing.* A public hearing will be held if requested by August 2, 2024, to accept oral comments on the proposed operating permit and the proposed SIP revision. The hearing will be held, if requested, on August 14, 2024, at 1:00 PM at the DEP Northcentral Regional Office, 208 West Third Street, Suite 101, Williamsport, PA 17701. To request a hearing, to register to speak at a hearing, or to inquire if a hearing will be held, please contact Megan Lehman at 570-327-3659. The last day to pre-register to speak at a hearing, if one is held, will be August 7, 2024.

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/North->

[central-Regional-Office/Community-Information/Pages/default.aspx](http://central-Regional-Office/Community-Information/Pages/default.aspx). We ask that you contact Megan Lehman at 570-327-3659 or monitor the Web site to determine if a hearing will be held.

Persons wishing to present testimony at the hearing should contact Megan Lehman at 570-327-3659 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 of the date of the hearing to Muhammad Q. Zaman, Environmental Program Manager, Pennsylvania Department of Environmental Protection Northcentral Regional Office, 208 West Third Street, Suite 101, Williamsport, PA 17701.

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 Muhammad Q. Zaman, Environmental Program Manager, Pennsylvania Department of Environmental Protection Northcentral Regional Office, 208 West Third Street, Suite 101, Williamsport, PA 17701. 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 operating permit including the permit number and a concise statement regarding the relevancy of the information or objections to issuance of the proposed permit.

All pertinent documents are available for public review between 8 a.m. and 4 p.m. at the DEP Northcentral Regional Office, 208 West Third Street, Suite 101, Williamsport, PA 17701. Appointments for scheduling a review may be made by calling the Department at 570-327-3636.

Persons with a disability who wish to comment and require an auxiliary aid, service or other accommodations to do so should contact Megan Lehman at 570-327-3659 or the Pennsylvania AT&T Relay Service at 1-800-654-5984 (TDD) to discuss how the Department may accommodate your needs.