

Fact Sheet



For Final Minor Modification Permitting Action Under 45CSR30 and Title V of the Clean Air Act

This Fact Sheet serves to address the changes specific to this Minor Modification, and shall be considered a supplement to the Fact Sheet corresponding with the Title V operating permit issued on January 25, 2022.

Permit Number: **R30-09500087-2022(MM01)**

Application Received: **February 15, 2022**

Plant Identification Number: **03-54-095-00087**

Permittee: **Antero Midstream LLC**

Facility Name: **Middlebourne V Compressor Station**

Mailing Address: **1615 Wynkoop Street, Denver, CO 80202**

Permit Action Number: MM01 Revised: April 19, 2022

Physical Location:	Middlebourne, Tyler County, West Virginia
UTM Coordinates:	513.603 km Easting • 4374.245 km Northing • Zone 17
Directions:	From Middlebourne, WV, drive northeast on WV-18N/ Main St. toward Court St. / Dodd St. Drive 3.8 miles and turn right toward Elk Fork. Continue onto Elk Fork for 0.4 miles. Turn right on Elk Fork Rd and drive for 3.2 miles. The facility entrance will be on the right.

Facility Description

The Middlebourne V Compressor Station is an existing natural gas compressor station covered by Standard Industrial Classification (SIC) 4922. The station has the potential to operate seven (7) days per week, twenty-four (24) hours per day, fifty-two (52) weeks per year. The station separates, compresses, and dries gas off the inlet pipeline stream. The station includes eighteen (18) compressor engines with oxidation catalysts, two (2) natural gas generators, two (2) 260 MMscfd dehydrators with two (2) reboilers, one (1) 150 MMscfd dehydrator with one (1) reboiler, five (5) 400-bbl condensate tanks, five (5) 400-bbl produced water tanks, one (1) 500-bbl settling tank, one (1) 0.5 MMBtu/hr fuel conditioning heater, one (1) 0.75 MMBtu/hr fuel conditioning heater, three (3) thermal oxidizers, three (3) vapor recovery units (VRU), liquid loadout operations, fugitive component emissions, and auxiliary tanks.

This Modification is to incorporate changes made in R13-3394I to allow Antero Midstream LLC operational flexibility as to which engines have the reflash chip installed. The current permit designates that C-100 – C-1100 are not equipped with the reflash chip and C-1200 – C-1800 are equipped with the reflash chip. R13-3394I allows Antero to have the flexibility to have 11 engines not equipped with the reflash chip and 7 engines equipped with the reflash chip and does not specify which specific engines have the reflash chips.

Emissions Summary

There is no change in emissions due to this modification.

Title V Program Applicability Basis

With the proposed changes associated with this modification, this facility maintains the potential to emit 101.64 tons per year CO, 233.40 tons per year NO_x, and 234.25 tons per year VOC. Due to this facility's potential to emit over 100 tons per year of criteria pollutant, Antero Midstream LLC is required to have an operating permit pursuant to Title V of the Federal Clean Air Act as amended and 45CSR30.

Legal and Factual Basis for Permit Conditions

The State and Federally-enforceable conditions of the Title V Operating Permits are based upon the requirements of the State of West Virginia Operating Permit Rule 45CSR30 for the purposes of Title V of the Federal Clean Air Act and the underlying applicable requirements in other state and federal rules.

The modification to this facility has been found to be subject to the following applicable rules:

Federal and State:	45CSR13	Permits For Construction, Modification, Relocation And Operation Of Stationary Sources Of Air Pollutants, Notification Requirements, Administrative Updates, Temporary Permits, General Permits, And Procedures For Evaluation
	45CSR30	Operating permit requirement.
State Only:	N/A	

Each State and Federally-enforceable condition of the Title V Operating Permit references the specific relevant requirements of 45CSR30 or the applicable requirement upon which it is based. Any condition of the Title V permit that is enforceable by the State but is not Federally-enforceable is identified in the Title V permit as such.

The Secretary's authority to require standards under 40 C.F.R. Part 60 (NSPS), 40 C.F.R. Part 61 (NESHAPs), and 40 C.F.R. Part 63 (NESHAPs MACT) is provided in West Virginia Code §§ 22-5-1 *et seq.*, 45CSR16, 45CSR34 and 45CSR30.

Active Permits/Consent Orders

The active permits/consent orders affected by this modification are as follows:

Permit or Consent Order Number	Date of Issuance	Permit Determinations or Amendments That Affect the Permit (<i>if any</i>)
R13-3394I	January 5, 2022	

Conditions from this facility's Rule 13 permit(s) governing construction-related specifications and timing requirements will not be included in the Title V Operating Permit but will remain independently enforceable under the applicable Rule 13 permit(s). All other conditions from this facility's Rule 13 permit(s) governing the source's

operation and compliance have been incorporated into this Title V permit in accordance with the "General Requirement Comparison Table," which may be downloaded from DAQ's website.

Determinations and Justifications

The following changes were made to incorporate changes made in R13-3394I to allow operational flexibility:

- The design capacities for C-100 – C-1800 were changed and a footnote was added which states that no less than 11 units will be 2,500 hp and no more than 7 units will be 2,675 hp.
- Conditions 4.1.1.a and b were modified to state that no less than 11 units will be 2,500 hp and no more than 7 units will be 2,675 hp.
- Added new condition 4.5.2 to require the permittee to notify the DAQ of the engines that will have the reflash chip. The notification will be required within 30 days of the installation.
- Updated language of 5.1.1 to reflect changes in the language of R13-3394I §6.1.1.

Non-Applicability Determinations

The following requirements have been determined not to be applicable to the subject facility due to the following:

N/A

Request for Variances or Alternatives

None.

Insignificant Activities

Insignificant emission unit(s) and activities are identified in the Title V application.

Comment Period

Beginning Date: Not Applicable for minor modifications.
Ending Date: N/A

Point of Contact

All written comments should be addressed to the following individual and office:

Robert Mullins
West Virginia Department of Environmental Protection
Division of Air Quality
601 57th Street SE
Charleston, WV 25304
304/926-0499 ext. 41286
Robert.A.Mullins@wv.gov

Procedure for Requesting Public Hearing

During the public comment period, any interested person may submit written comments on the draft permit and may request a public hearing, if no public hearing has already been scheduled. A request for public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing. The Secretary shall grant such a request for a hearing if he/she concludes that a public hearing is appropriate. Any public hearing shall be held in the general area in which the facility is located.

Response to Comments (Statement of Basis)

Not applicable.