

# 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 May 27, 2020.

Permit Number: **R30-09500074-2020**  
Application Received: **December 14, 2023**  
Plant Identification Number: **03-54-09500074**  
Permittee: **Antero Midstream LLC**  
Facility Name: **Middlebourne III Compressor Station**  
Mailing Address: **1615 Wynkoop Street, Denver, CO 80202**

Permit Action Number: *MM02*    Revised: *April 8, 2024*

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Physical Location: Wick, Tyler County, West Virginia  
UTM Coordinates: 503.135 km Easting • 4363.005 km Northing • Zone 17  
Directions: From Wick, West Virginia, at the intersection of Hog Run Road and Wick Road, head east on Wick Road for 0.85 miles and turn left into the facility entrance.

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### **Facility Description**

The Middlebourne III Compressor Station separates, compresses, and dries gas off the inlet pipeline stream. The station includes twelve (12) compressor engines with oxidation catalysts, one (1) emergency generator, three (3) 150 MMscfd dehydrators with three (3) reboilers and three (3) flash tanks, three (3) 400-bbl condensate tanks, three (3) 400-bbl produced water tanks, one (1) 500-bbl settling tank, one (1) 0.5 MMBtu/hr fuel conditioning heater, one (1) flare, two (2) vapor recovery units (VRU), liquid loadout operations, fugitive component emissions, and six (6) auxiliary storage tanks. SIC code: 1311.

This modification incorporates the changes approved under R13-3347E to add language allowing for the use of ProMax as an alternative to GlyCalc for glycol dehydration unit calculations.

## Emissions Summary

There is no change in the facility's emissions as a result of this modification.

## Title V Program Applicability Basis

With the proposed changes associated with this modification, this facility maintains the potential to emit 183.85 tons per year of VOC and 165.02 TPY of NO<sub>x</sub>. 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 45CSR30	NSR Permits Operating permit requirement.
State Only:	None.	

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> )
R13-3347E	December 18, 2023	

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 as part of this modification:  
Section 2.0 General Requirements

- Updated the boilerplate language of condition 2.1.3.

- Updated the citation of condition 2.11.4.
- Reserved Condition 2.17.
- Updated the citation of condition 2.22.1.

#### Section 3.0 Facility-Wide Requirements

- Updated US EPA address in condition 3.5.3.
- Updated the boilerplate language of condition 3.5.4.
- Reserved condition 3.5.7.
- Reserved condition 3.5.8.a.1 and updated the boilerplate language of condition 3.5.8.a.2.

#### Section 6.0 Natural Gas Dehydration Unit Not Subject to MACT Standards and being controlled by a Flare Control Device

- Added conditions 6.3.5, 6.3.6, and 6.3.7 to incorporate the new R13-3347E requirements which allow for the use of ProMax as an alternative to GlyCalc for glycol dehydration unit calculations.
- Updated condition 6.4.8 to include reference to condition 6.3.5.

### **Non-Applicability Determinations**

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

None.

### **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 57<sup>th</sup> 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.