

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 September 6, 2022.

Permit Number: **R30-03300001-2022**
Application Received: **September 13, 2024**
Plant Identification Number: **03-54-033-00001**
Permittee: **Amsted Graphite Materials LLC**
Facility Name: **Anmoore Facility**
Mailing Address: **P.O. Box 120, Anmoore, WV 26323**

Permit Action Number: *MM04* Revised: *June 24, 2025*

Physical Location: Anmoore, Harrison County, West Virginia
UTM Coordinates: 561.00 km Easting • 4,345.00 km Northing • Zone 17
Directions: Rt 58, Philippi Pike at Anmoore, WV

Facility Description

This facility produces specialty carbon and graphite products by forming "green" carbonaceous shapes from raw materials consisting of petroleum coke and coal tar pitch. The "green" products are baked in natural gas fired, high temperature ovens and are then treated with liquid petroleum pitch and baked again prior to being processed into graphite using electrically heated furnaces. The graphite shapes are then machined and processed into varying products which are further processed to enhance their properties prior to shipment. SIC Code: 3624 - Electronic and Other Electrical Equipment & Components – Carbon and Graphite Products.

This modification is to replace a furnace (078-A) and incinerator (C-078) with two new furnaces (S-081A and S-081B) and a new incinerator (S-081, C-081); add Tool Cleaning (080-A) to existing emission point EP-080; and add a Jet Mill System (S-096).

Emissions Summary

This modification results in the following emission changes:

Pollutant	Change in PTE (tons/year)	Facility PTE (tons/year) as of R13-3039H
CO	3.15	2,745.02
NO _x	3.05	81.39
PM _{2.5}	2.05	7.73
PM ₁₀	4.10	115.83
PM	4.10	225.95
SO ₂	3.71	205.08
VOC	0.00	35.71
Total HAPs	0.00	9.66

Title V Program Applicability Basis

With the proposed changes associated with this modification, this facility maintains the potential to emit 2,745.02 TPY of carbon monoxide (CO), 115.83 TPY of particulate matter (PM₁₀), and 205.08 TPY of sulfur dioxide (SO₂). Due to this facility's potential to emit over 100 tons per year of criteria pollutant, Amsted Graphite Materials LLC (AGM) 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:	45CSR6	Particulate Matter Emissions from Incinerators
	45CSR7	To Prevent And Control Particulate Matter Air Pollution from Manufacturing Processes
	45CSR13	NSR Permits
	45CSR30	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>)
R13-3039H	March 19, 2025	

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

This Minor Modification is to make changes to the Title V permit resulting from the issuance of R13-3039H.

1.1. Emission Units

- Removed Natural Gas Car Bottom Furnace (078-A) and Incinerator (C-078) from the table.
- Added emission unit 080-A (tool cleaning) to Emission Point EP-080.
- Added Emission Point E-081 with emission units S-081A (Carbottom Kiln #4), S-081B (Carbottom Kiln #5), and S-081 (thermal oxidizer).
- Added emission unit S-096 for the jet mill system.

1.2 Active R13, R14, and R19 Permits

- Updated active permit table.

3.0 Facility-Wide Requirements

The following changes to the boilerplate became effective September 23, 2024.

- Condition 3.1.6 - Revised the citation to refer to the current version of the WV Code.
- Condition 3.3.1. - Revised the citation to refer to the current version of the WV Code.
- Condition 3.3.1.b. - Added "If a testing method is specified or approved which effectively replaces a test method specified in the permit, the permit shall be revised in accordance with 45CSR§30-6.4 or 45CSR§30-6.5 as applicable."

5.0 Source-Specific Requirements for the Bake Process

- Removed emission point ID EP-078 from the Section Title and conditions: 5.1.1, 5.1.2, 5.1.3, 5.1.4, 5.1.8, 5.1.28, 5.1.29, 5.1.30, 5.1.31, 5.1.32, 5.1.33, 5.1.46, 5.2.1, 5.2.4, 5.4.5, and 5.4.6.
- Added emission point E-081 to the citation of condition 5.1.1.
- Updated condition 5.1.2 and added emission point E-081 to the citation.
- Updated the citation of condition 5.1.3 to include E-081.
- Updated the citation of condition 5.1.4 to include E-081.
- Updated condition 5.1.6 and added emission units S-081A and S-081B to the citation.
- Updated condition 5.1.8 and added emission unit S-081 to the citation.
- Updated conditions 5.1.11, 5.1.13, 5.1.15, 5.1.16, 5.1.17, 5.1.19, and 5.1.20 and added emission units S-081A and S-081B to the citations.
- Updated condition 5.1.28 to include emission units S-081A and S-081B.

- Updated the citations of conditions 5.1.29, 5.1.30, 5.1.31, and 5.1.33 to include E-081.
- Updated the citation of condition 5.1.32 to include S-081.
- Updated the citation of condition 5.1.46 to include E-081 and E-096.
- Added conditions 5.1.49 and 5.1.50 to incorporate requirements for emission unit S-096 (Jet Mill System).
- Updated condition 5.2.1 and added emission units S-081, S-081A, S-081B, and S-096 to the citation.
- Updated the citation of condition 5.2.4 to include emission point E-081.
- Updated the citations in conditions 5.4.5 and 5.4.6 to include emission units S-081 and C-096.

Attachment A - Emission Limitations

- Removed emission point E-078 and associated emission limits from the tables of Attachment A.
- Added emission point E-081 and associated emission limits to the tables of Attachment A.
- Removed footnotes (2) and (4) from Attachment A.

Non-Applicability Determinations

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

40 CFR 63: Subpart KKKKK National Emission Standards for Hazardous Air Pollutants For Clay Ceramics Manufacturing

Per §63.8535, subpart KKKKK only applies to major sources of HAPs. The facility's PTE of total HAPs is 10.04 tons per year. This is well below the 25 ton per year total HAP threshold that would make the facility a "major source" subject to this rule.

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.