

# 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(MM02)**  
Application Received: **September 20, 2023**  
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: *MM02*      Revised: *March 19, 2024*

---

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 return the Porous Carbon Process to the facility. The receiving, storage, and mixing part of the process requires new equipment to be installed and the heat treating part of the process will be performed using existing furnaces. In addition to the Porous Carbon Process, they are also proposing to add two (2) new lathes in the Graphite Machining Shop.

### Emissions Summary

This modification results in the following emission changes:

Pollutant	Change in PTE (tons/year)	Facility PTE (tons/year)
CO	0.00	2745.31
NO <sub>x</sub>	0.00	78.34
PM <sub>2.5</sub>	0.0096	5.65
PM <sub>10</sub>	0.0174	111.68
PM	0.033	222.3
SO <sub>2</sub>	0.00	216.37
VOC	1.07	35.85
Total HAPs	0.07	9.80

### Title V Program Applicability Basis

With the proposed changes associated with this modification, this facility maintains the potential to emit 2,745.31 TPY of carbon monoxide (CO), 112.18 TPY of particulate matter (PM<sub>10</sub>), 222.3 TPY of particulate matter (PM), and 216.37 TPY of sulfur dioxide (SO<sub>2</sub>). 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:	45CSR7	To Prevent And Control Particulate Matter Air Pollution from Manufacturing Processes
	45CSR13	NSR Permits
	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> )
R13-3039E	January 2, 2024	

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 due to the issuance of R13-3039E for the installation of the porous carbon process and the addition of two (2) lathes.

#### 1.1. Emission Units

- Updated the emission units table to change “NA” to “n/a” to be consistent with changes made in R13-3039E.
- Updated Emission Unit IDs of Baghouses 19, 32, and 82 to be consistent with changes made in R13-3039E.
- Updated Emission Unit IDs of incinerators C-078 and C-080 to be consistent with changes made in R13-3039E.
- Added two lathes with Emission Unit IDs of S-065A and S-065B.
- Updated the Emission Unit Descriptions of Emission Unit IDs 094 and 095.
- Added equipment for the Porous Carbon Process including five (5) storage tanks, molds, an Unload/Particle Weight/Mixer Charge Bin, and a Mixer.

#### 5.0. Source-Specific Requirements for the Bake Process

- Added emission points E-065 and E-406 to the section title.
- Added table headings to tables in conditions 5.1.34 and 5.1.40. Also updated PM emission limits in condition 5.1.40.
- Added condition 5.1.43 to incorporate the new condition for the Porous Carbon Process from R13-3039E.
- Added condition 5.1.44 to incorporate the new condition for Lathes S-065A and S-065B from R13-3039E.

- Renumbered old conditions 5.1.43 - 5.1.45 to account for the addition of new conditions 5.1.43 and 5.1.44.
- Updated condition 5.2.1 to incorporate changes made with the issuance of R13-3039E.

#### 9.0. Source-Specific Requirements for the Graphite Machining and Materials Handling Process

- Updated the Emission Unit ID for baghouse 065 to E-065 in the section title. This section contains existing requirements for the Baghouse C-065 which did not change as a result of the addition of the new lathes.

#### 10.0. Source-Specific Requirements for the Mill, Mix, and Forming Operations

- No changes to this section due to the addition of the new Porous Carbon Process equipment. While the Porous Carbon Process has mixing equipment, the only existing condition in this section that they would be subject to is a requirement from 45CSR§7-3.1. which is already included in Section 5.0.
- Updated the citations of conditions 10.2.2 and 10.2.3 to include the specific Emission Points subject to those requirements.

### **Non-Applicability Determinations**

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

#### 45CSR7 Weight Emission Standards - Section 4

45CSR§7-4.1 requires that each manufacturing process source operation or duplicate source operation meet a maximum allowable “stack” particulate matter limit based on the weight of material processed through the source operation. As the limit is defined as a “stack” limit (under Table 45-7A), the only applicable emission units are those that can be defined as non-fugitive in nature. In the case of the proposed modifications at the Anmoore Facility, the two (2) potentially applicable emission points are the stacks serving the dust collectors controlling the material handling operations in the Porous Carbon Process and the new Graphite Lathes. However, pursuant to 45CSR§7-4.1, any manufacturing process that has “a potential to emit less than one (1) pound per hour of particulate matter and an aggregate of less than one thousand (1000) pounds per year for all such sources of particulate matter located at the stationary source” is also exempt from Section 4.1. Each applicable source identified above does not have emissions that exceed this threshold and are, therefore, exempt from this limit.

### **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.