



WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION

DIVISION OF AIR QUALITY

601 57th Street SE
Charleston, WV 25304
Phone: (304) 926-0475

www.dep.wv.gov/daq

INITIAL/RENEWAL TITLE V PERMIT APPLICATION - GENERAL FORMS

Section 1: General Information

Form with 10 numbered sections: 1. Name of Applicant (GrafTech International Holdings, Inc.), 2. Facility Name or Location (Anmoore Facility), 3. DAQ Plant ID No. (033-00001), 4. Federal Employer ID No. (061249029), 5. Permit Application Type (Permit Renewal), 6. Type of Business Entity (Corporation), 7. Is the Applicant the: (Both), 8. Number of onsite employees (93), 9. Governmental Code (Privately owned and operated; 0), 10. Business Confidentiality Claims (No).

<b>11. Mailing Address</b>		
Street or P.O. Box: 101 North Philippi Pike P.O. Box 120		
City: Anmoore	State: WV	Zip: 26323-0120
Telephone Number: (304) 624-7651	Fax Number: (304) 624-1289	

<b>12. Facility Location</b>		
Street: 101 N. Philippi Pike State Route 58	City: Anmoore	County: Harrison
UTM Easting: 561.00 km	UTM Northing: 4,345.00 km	Zone: <input checked="" type="checkbox"/> 17 or <input type="checkbox"/> 18
Directions: I-79 Exit 117. West on State Route 58 approximately 0.2 miles. The plant is directly across the intersection.		
Portable Source? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
Is facility located within a nonattainment area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, for what air pollutants?	
Is facility located within 50 miles of another state? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, name the affected state(s).	
Is facility located within 100 km of a Class I Area <sup>1</sup> ? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If no, do emissions impact a Class I Area <sup>1</sup> ? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, name the area(s). Otter Creek Wilderness Dolly Sods	
<sup>1</sup> Class I areas include Dolly Sods and Otter Creek Wilderness Areas in West Virginia, and Shenandoah National Park and James River Face Wilderness Area in Virginia.		

<b>13. Contact Information</b>		
<b>Responsible Official:</b> Craig Taylor		<b>Title:</b> Director of Operations
<b>Street or P.O. Box:</b> P.O. Box 120		
<b>City:</b> Anmoore	<b>State:</b> WV	<b>Zip:</b> 26323-0120
<b>Telephone Number:</b> (304) 624-1200		<b>Fax Number:</b> (304) 624-1336
<b>E-mail address:</b> craig.taylor@graftech.com		
<b>Environmental Contact:</b> Bill Williams		<b>Title:</b> HSEP Manager
<b>Street or P.O. Box:</b> 101 Philippi Pike P.O. Box 120		
<b>City:</b> Anmoore	<b>State:</b> WV	<b>Zip:</b> 26323-0120
<b>Telephone Number:</b> (304) 624-1331		<b>Fax Number:</b> (304) 624-1242
<b>E-mail address:</b> William.williams@graftech.com		
<b>Application Preparer:</b> Lori Steele		<b>Title:</b> Senior Environmental Scientist
<b>Company:</b> MSES Consultants, Inc.		
<b>Street or P.O. Box:</b> P.O. Drawer 190		
<b>City:</b> Clarksburg	<b>State:</b> WV	<b>Zip:</b> 26302-0190
<b>Telephone Number:</b> (304) 624-9700		<b>Fax Number:</b> (304) 622-0981
<b>E-mail address:</b> lsteele@msesinc.com		

**14. Facility Description**

List all processes, products, NAICS and SIC codes for normal operation, in order of priority. Also list any process, products, NAICS and SIC codes associated with any alternative operating scenarios if different from those listed for normal operation.

Process	Products	NAICS	SIC
Carbon and Graphite Manufacturing	Synthetic Graphite and Bake Carbon	335991	3624

**Provide a general description of operations.**

GrafTech International Holdings, Inc. (GTIH) is an integrated manufacturing facility producing specialty carbon and graphite products. The process involves the forming of “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 liquefied coal tar pitch and baked again prior to being processed into graphite using electrically fired furnaces. Graphite shapes are machined and processed into varying products which are further processed to enhance their properties prior to shipment to customers.

- 15. Provide an **Area Map** showing plant location as **ATTACHMENT A**.
- 16. Provide a **Plot Plan(s)**, e.g. scaled map(s) and/or sketch(es) showing the location of the property on which the stationary source(s) is located as **ATTACHMENT B**. For instructions, refer to “Plot Plan - Guidelines.”
- 17. Provide a detailed **Process Flow Diagram(s)** showing each process or emissions unit as **ATTACHMENT C**. Process Flow Diagrams should show all emission units, control equipment, emission points, and their relationships.

**Section 2: Applicable Requirements**

<b>18. Applicable Requirements Summary</b>	
Instructions: Mark all applicable requirements.	
<input type="checkbox"/> SIP	<input type="checkbox"/> FIP
<input checked="" type="checkbox"/> Minor source NSR (45CSR13)	<input type="checkbox"/> PSD (45CSR14)
<input type="checkbox"/> NESHAP (45CSR34)	<input type="checkbox"/> Nonattainment NSR (45CSR19)
<input type="checkbox"/> Section 111 NSPS	<input type="checkbox"/> Section 112(d) MACT standards
<input type="checkbox"/> Section 112(g) Case-by-case MACT	<input type="checkbox"/> 112(r) RMP
<input type="checkbox"/> Section 112(i) Early reduction of HAP	<input type="checkbox"/> Consumer/commercial prod. reqts., section 183(e)
<input type="checkbox"/> Section 129 Standards/Reqts.	<input type="checkbox"/> Stratospheric ozone (Title VI)
<input type="checkbox"/> Tank vessel reqt., section 183(f)	<input type="checkbox"/> Emissions cap 45CSR§30-2.6.1
<input type="checkbox"/> NAAQS, increments or visibility (temp. sources)	<input type="checkbox"/> 45CSR27 State enforceable only rule
<input checked="" type="checkbox"/> 45CSR4 State enforceable only rule	<input type="checkbox"/> Acid Rain (Title IV, 45CSR33)
<input type="checkbox"/> Emissions Trading and Banking (45CSR28)	<input checked="" type="checkbox"/> Compliance Assurance Monitoring (40CFR64)
<input type="checkbox"/> CAIR NO <sub>x</sub> Annual Trading Program (45CSR39)	<input type="checkbox"/> CAIR NO <sub>x</sub> Ozone Season Trading Program (45CSR40)
<input type="checkbox"/> CAIR SO <sub>2</sub> Trading Program (45CSR41)	

<b>19. Non Applicability Determinations</b>
<p><b>List all requirements which the source has determined not applicable and for which a permit shield is requested. The listing shall also include the rule citation and the reason why the shield applies.</b></p> <p>40CFR60, Subparts K, Ka &amp; Kb – New Source Performance Standards – GrafTech currently does not have any tanks that are covered by this rule.</p> <p>40CFR60, Subpart Dc – Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units. One of GrafTech’s three boilers has the following characteristics: Natural Gas Fired Boiler, Constructed in 1981, Rated capacity of 11.0 MMBtu/hr, ID (300). As a result of this boiler being constructed before the corresponding applicability date of June 9, 1989 the boiler is not subject to the NSPS.</p> <p>40CFR63, Subpart DDDDD – National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers and Process Heaters. GrafTech is not a major source of Hazardous Air Pollutants at this time.</p> <p>40CFR63, Subpart JJJJJ – National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial and Institutional Boilers Area Sources. Gas boilers are listed as being specifically exempt from these area source requirements under §63.11195(e).</p> <p>40CFR63, Subpart SSSSS – Refractory Ceramic MACT – GrafTech maintains the exemption criteria based on carbon and chromium content within their products. GrafTech is not a major source of HAPs.</p>
<input checked="" type="checkbox"/> Permit Shield

**19. Non Applicability Determinations (Continued) - Attach additional pages as necessary.**

**List all requirements which the source has determined not applicable and for which a permit shield is requested. The listing shall also include the rule citation and the reason why the shield applies.**

Permit Shield

**20. Facility-Wide Applicable Requirements**

List all facility-wide applicable requirements. For each applicable requirement, include the underlying rule/regulation citation and/or construction permit with the condition number. (Note: Title V permit condition numbers alone are not the underlying applicable requirements).

- 45 CSR§6-3.1 – Open burning
- 45 CSR§6-3.2 – Open burning exemptions
- 40 CFR §61.145(b) and 45CSR34 – Asbestos pre-demolition/renovation inspection requirements and notification
- 64 CSR 63-Asbestos inspector licensure requirements from WV Bureau of Public Health
- 45 CSR§4-3.1 – State Enforceable Only - Odor
- 45 CSR§11-5.2 – Standby plan for reducing emissions
- W.Va. Code§ 22-5-4(a)(14) – Emission inventory
- 40 CFR Part 82 Subpart F – Ozone depleting substances
- 40 CFR 68 – Risk Management Plan
- 45 CSR§7-5.1, R13-2058 4.1.8 -Manufacturing fugitives
- 45 CSR§7-5.2, R13-2058 4.1.9 – General fugitive emissions
- 45 CSR§7-4.13 – Potential hazardous material emissions
- 45 CSR§7-4.12 – Stack flow straightening device requirements
- 45 CSR§30-5.1.c.1.B and 45 CSR 13, Permit R13-2058C (Condition 4.4.6) – Dust suppression measures and required recordkeeping of maintenance and corrective actions taken on fugitive dust control systems when inoperable

Permit Shield

For all facility-wide applicable requirements listed above, provide monitoring/testing / recordkeeping / reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number and/or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)

- WV Code § 22-5-4(a)(15) and 45 CSR 13 – Stack testing
- 45 CSR§30-5.1.c.1.B, 45CSR7, 45CSR6, and 45 CSR 13, R13-2058C 4.3.1 – Opacity demonstration
- 45 CSR§30-5.1.c.2.A and R13-2058C 4.4.1, R13-3039 4.4.1, R13-1934 4.4.1 – Monitoring information
- 45 CSR§30-5.1.c.2.B – Retention of records for minimum of 5 years
- 45 CSR§30-5.1.c. State Enforceable – Maintain records of odor complaints
- 45 CSR§30-5.1.c.2.B – Test reports subject to records retention requirements of 5 years
- 45 CSR§30-4.4 and §30-5.1.c.3.D – Responsible official certification requirements
- 45 CSR§30-4.4 and §30-5.1.c.3.E – Confidential treatment of submittals to the Agency
- 45 CSR§30-8 – Certified emission statement
- 45 CSR§30-5.3.e – Compliance certification
- 45 CSR§30-5.1.c.3.A – Semi-annual monitoring reports
- 45 CSR§30-5.1.c.3.C – Deviations
- 45 CSR§30-5.1.c.3.B – Reporting requirements for deviations attributable to upset conditions, probable cause(s) and preventive measures implemented
- 45 CSR§30-4.3.h.1.B – New applicable requirements – The facility complies with all new applicable requirements and maintains records in the Master Title V File to document compliance with same

Are you in compliance with all facility-wide applicable requirements?  Yes  No

If no, complete the **Schedule of Compliance Form** as ATTACHMENT F.

**20. Facility-Wide Applicable Requirements (Continued) - Attach additional pages as necessary.**

**List all facility-wide applicable requirements. For each applicable requirement, include the rule citation and/or permit with the condition number.**

Permit Shield

**For all facility-wide applicable requirements listed above, provide monitoring/testing/recordkeeping/reporting which shall be used to demonstrate compliance. If the method is based on a permit or rule, include the condition number and/or citation. (Note: Each requirement listed above must have an associated method of demonstrating compliance. If there is not already a required method in place, then a method must be proposed.)**

**Are you in compliance with all facility-wide applicable requirements?**  Yes  No

**If no, complete the Schedule of Compliance Form as ATTACHMENT F.**



21. Active Permits/Consent Orders		
Permit or Consent Order Number	Date of Issuance MM/DD/YYYY	List any Permit Determinations that Affect the Permit (if any)
R13-0874	09/16/1986	
R13-0893	11/20/1986	
R13-1151	10/26/1989	
R13-1540B	07/11/2005	
R13-1569A	07/20/1999	
R13-1934C	08/13/2013	
R13-2047	06/04/1997	
R13-2058C	06/06/2006	
R13-3039A	10/20/2015	
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**22. Inactive Permits/Obsolete Permit Conditions**

Permit Number	Date of Issuance	Permit Condition Number
R13-2774A	09/09/2002	Construction never completed
R13-0893	11/20/1986	Equipment removed
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**Section 3: Facility-Wide Emissions**

<b>23. Facility-Wide Emissions Summary [Tons per Year]</b>	
<b>Criteria Pollutants</b>	<b>Potential Emissions</b>
Carbon Monoxide (CO)	2905.667
Nitrogen Oxides (NO <sub>x</sub> )	33.106
Lead (Pb)	0.00011
Particulate Matter (PM <sub>2.5</sub> ) <sup>1</sup>	17.235
Particulate Matter (PM <sub>10</sub> ) <sup>1</sup>	196.095
Total Particulate Matter (TSP)	344.709
Sulfur Dioxide (SO <sub>2</sub> )	134.263
Volatile Organic Compounds (VOC)	44.218
<b>Hazardous Air Pollutants<sup>2</sup></b>	<b>Potential Emissions</b>
POM	6.3
Phenol	1.44
Formaldehyde	0.033
HAP Metals from Combustion of NG & Fuel Oil	0.05413
HAP VOCs	3.14
<b>Regulated Pollutants other than Criteria and HAP</b>	<b>Potential Emissions</b>
Carbon Dioxide	64,950
Methane	2.1
Nitrous Oxide	0.65
<sup>1</sup> PM <sub>2.5</sub> and PM <sub>10</sub> are components of TSP. <sup>2</sup> For HAPs that are also considered PM or VOCs, emissions should be included in both the HAPs section and the Criteria Pollutants section.	

**Section 4: Insignificant Activities**

<b>24. Insignificant Activities (Check all that apply)</b>	
<input checked="" type="checkbox"/>	1. Air compressors and pneumatically operated equipment, including hand tools.
<input type="checkbox"/>	2. Air contaminant detectors or recorders, combustion controllers or shutoffs.
<input checked="" type="checkbox"/>	3. Any consumer product used in the same manner as in normal consumer use, provided the use results in a duration and frequency of exposure which are not greater than those experienced by consumer, and which may include, but not be limited to, personal use items; janitorial cleaning supplies, office supplies and supplies to maintain copying equipment.
<input checked="" type="checkbox"/>	4. Bathroom/toilet vent emissions.
<input checked="" type="checkbox"/>	5. Batteries and battery charging stations, except at battery manufacturing plants.
<input checked="" type="checkbox"/>	6. Bench-scale laboratory equipment used for physical or chemical analysis, but not lab fume hoods or vents. Many lab fume hoods or vents might qualify for treatment as insignificant (depending on the applicable SIP) or be grouped together for purposes of description.
<input type="checkbox"/>	7. Blacksmith forges.
<input checked="" type="checkbox"/>	8. Boiler water treatment operations, not including cooling towers.
<input checked="" type="checkbox"/>	9. Brazing, soldering or welding equipment used as an auxiliary to the principal equipment at the source.
<input type="checkbox"/>	10. CO <sub>2</sub> lasers, used only on metals and other materials which do not emit HAP in the process.
<input checked="" type="checkbox"/>	11. Combustion emissions from propulsion of mobile sources, except for vessel emissions from Outer Continental Shelf sources.
<input checked="" type="checkbox"/>	12. Combustion units designed and used exclusively for comfort heating that use liquid petroleum gas or natural gas as fuel.
<input checked="" type="checkbox"/>	13. Comfort air conditioning or ventilation systems not used to remove air contaminants generated by or released from specific units of equipment.
<input type="checkbox"/>	14. Demineralized water tanks and demineralizer vents.
<input checked="" type="checkbox"/>	15. Drop hammers or hydraulic presses for forging or metalworking.
<input checked="" type="checkbox"/>	16. Electric or steam-heated drying ovens and autoclaves, but not the emissions from the articles or substances being processed in the ovens or autoclaves or the boilers delivering the steam.
<input type="checkbox"/>	17. Emergency (backup) electrical generators at residential locations.
<input type="checkbox"/>	18. Emergency road flares.
<input type="checkbox"/>	19. Emission units which do not have any applicable requirements and which emit criteria pollutants (CO, NO <sub>x</sub> , SO <sub>2</sub> , VOC and PM) into the atmosphere at a rate of less than 1 pound per hour and less than 10,000 pounds per year aggregate total for each criteria pollutant from all emission units.  Please specify all emission units for which this exemption applies along with the quantity of criteria pollutants emitted on an hourly and annual basis:  _____ _____ _____ _____ _____ _____ _____ _____ _____

**24. Insignificant Activities (Check all that apply)**

<input type="checkbox"/>	20. Emission units which do not have any applicable requirements and which emit hazardous air pollutants into the atmosphere at a rate of less than 0.1 pounds per hour and less than 1,000 pounds per year aggregate total for all HAPs from all emission sources. This limitation cannot be used for any source which emits dioxin/furans nor for toxic air pollutants as per 45CSR27.  Please specify all emission units for which this exemption applies along with the quantity of hazardous air pollutants emitted on an hourly and annual basis:  _____ _____ _____ _____ _____
<input type="checkbox"/>	21. Environmental chambers not using hazardous air pollutant (HAP) gases.
<input checked="" type="checkbox"/>	22. Equipment on the premises of industrial and manufacturing operations used solely for the purpose of preparing food for human consumption.
<input type="checkbox"/>	23. Equipment used exclusively to slaughter animals, but not including other equipment at slaughterhouses, such as rendering cookers, boilers, heating plants, incinerators, and electrical power generating equipment.
<input checked="" type="checkbox"/>	24. Equipment used for quality control/assurance or inspection purposes, including sampling equipment used to withdraw materials for analysis.
<input type="checkbox"/>	25. Equipment used for surface coating, painting, dipping or spray operations, except those that will emit VOC or HAP.
<input checked="" type="checkbox"/>	26. Fire suppression systems.
<input type="checkbox"/>	27. Firefighting equipment and the equipment used to train firefighters.
<input type="checkbox"/>	28. Flares used solely to indicate danger to the public.
<input type="checkbox"/>	29. Fugitive emission related to movement of passenger vehicle provided the emissions are not counted for applicability purposes and any required fugitive dust control plan or its equivalent is submitted.
<input type="checkbox"/>	30. Hand-held applicator equipment for hot melt adhesives with no VOC in the adhesive formulation.
<input checked="" type="checkbox"/>	31. Hand-held equipment for buffing, polishing, cutting, drilling, sawing, grinding, turning or machining wood, metal or plastic.
<input type="checkbox"/>	32. Humidity chambers.
<input type="checkbox"/>	33. Hydraulic and hydrostatic testing equipment.
<input checked="" type="checkbox"/>	34. Indoor or outdoor kerosene heaters.
<input checked="" type="checkbox"/>	35. Internal combustion engines used for landscaping purposes.
<input type="checkbox"/>	36. Laser trimmers using dust collection to prevent fugitive emissions.
<input type="checkbox"/>	37. Laundry activities, except for dry-cleaning and steam boilers.
<input type="checkbox"/>	38. Natural gas pressure regulator vents, excluding venting at oil and gas production facilities.
<input type="checkbox"/>	39. Oxygen scavenging (de-aeration) of water.
<input type="checkbox"/>	40. Ozone generators.

<b>24. Insignificant Activities (Check all that apply)</b>	
<input checked="" type="checkbox"/>	41. Plant maintenance and upkeep activities (e.g., grounds-keeping, general repairs, cleaning, painting, welding, plumbing, re-tarring roofs, installing insulation, and paving parking lots) provided these activities are not conducted as part of a manufacturing process, are not related to the source's primary business activity, and not otherwise triggering a permit modification. (Cleaning and painting activities qualify if they are not subject to VOC or HAP control requirements. Asphalt batch plant owners/operators must still get a permit if otherwise requested.)
<input checked="" type="checkbox"/>	42. Portable electrical generators that can be moved by hand from one location to another. "Moved by Hand" means that it can be moved without the assistance of any motorized or non-motorized vehicle, conveyance, or device.
<input type="checkbox"/>	43. Process water filtration systems and demineralizers.
<input checked="" type="checkbox"/>	44. Repair or maintenance shop activities not related to the source's primary business activity, not including emissions from surface coating or de-greasing (solvent metal cleaning) activities, and not otherwise triggering a permit modification.
<input type="checkbox"/>	45. Repairs or maintenance where no structural repairs are made and where no new air pollutant emitting facilities are installed or modified.
<input checked="" type="checkbox"/>	46. Routing calibration and maintenance of laboratory equipment or other analytical instruments.
<input type="checkbox"/>	47. Salt baths using nonvolatile salts that do not result in emissions of any regulated air pollutants. Shock chambers.
<input type="checkbox"/>	48. Shock chambers.
<input type="checkbox"/>	49. Solar simulators.
<input checked="" type="checkbox"/>	50. Space heaters operating by direct heat transfer.
<input checked="" type="checkbox"/>	51. Steam cleaning operations.
<input checked="" type="checkbox"/>	52. Steam leaks.
<input type="checkbox"/>	53. Steam sterilizers.
<input checked="" type="checkbox"/>	54. Steam vents and safety relief valves.
<input type="checkbox"/>	55. Storage tanks, reservoirs, and pumping and handling equipment of any size containing soaps, vegetable oil, grease, animal fat, and nonvolatile aqueous salt solutions, provided appropriate lids and covers are utilized.
<input checked="" type="checkbox"/>	56. Storage tanks, vessels, and containers holding or storing liquid substances that will not emit any VOC or HAP. Exemptions for storage tanks containing petroleum liquids or other volatile organic liquids should be based on size limits such as storage tank capacity and vapor pressure of liquids stored and are not appropriate for this list.
<input type="checkbox"/>	57. Such other sources or activities as the Director may determine.
<input type="checkbox"/>	58. Tobacco smoking rooms and areas.
<input type="checkbox"/>	59. Vents from continuous emissions monitors and other analyzers.

**Section 5: Emission Units, Control Devices, and Emission Points**

<b>25. Equipment Table</b>
Fill out the <b>Title V Equipment Table</b> and provide it as <b>ATTACHMENT D</b> .
<b>26. Emission Units</b>
For each emission unit listed in the <b>Title V Equipment Table</b> , fill out and provide an <b>Emission Unit Form</b> as <b>ATTACHMENT E</b> .
For each emission unit not in compliance with an applicable requirement, fill out a <b>Schedule of Compliance Form</b> as <b>ATTACHMENT F</b> .
<b>27. Control Devices</b>
For each control device listed in the <b>Title V Equipment Table</b> , fill out and provide an <b>Air Pollution Control Device Form</b> as <b>ATTACHMENT G</b> .
For any control device that is required on an emission unit in order to meet a standard or limitation for which the potential pre-control device emissions of an applicable regulated air pollutant is greater than or equal to the Title V Major Source Threshold Level, refer to the <b>Compliance Assurance Monitoring (CAM) Form(s)</b> for CAM applicability. Fill out and provide these forms, if applicable, for each Pollutant Specific Emission Unit (PSEU) as <b>ATTACHMENT H</b> .

**Section 6: Certification of Information**

**28. Certification of Truth, Accuracy and Completeness and Certification of Compliance**

*Note: This Certification must be signed by a responsible official. The original, signed in blue ink, must be submitted with the application. Applications without an original signed certification will be considered as incomplete.*

**a. Certification of Truth, Accuracy and Completeness**

I certify that I am a responsible official (as defined at 45CSR§30-2.38) and am accordingly authorized to make this submission on behalf of the owners or operators of the source described in this document and its attachments. I certify under penalty of law that I have personally examined and am familiar with the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine and/or imprisonment.

**b. Compliance Certification**

Except for requirements identified in the Title V Application for which compliance is not achieved, I, the undersigned hereby certify that, based on information and belief formed after reasonable inquiry, all air contaminant sources identified in this application are in compliance with all applicable requirements.

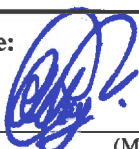
**Responsible official (type or print)**

Name: Craig Taylor

Title: Director of Operations

**Responsible official's signature:**

Signature: \_\_\_\_\_



Signature Date: \_\_\_\_\_

10-31-16

(Must be signed and dated in blue ink)

**Note: Please check all applicable attachments included with this permit application:**

<input checked="" type="checkbox"/>	ATTACHMENT A: Area Map
<input checked="" type="checkbox"/>	ATTACHMENT B: Plot Plan(s)
<input checked="" type="checkbox"/>	ATTACHMENT C: Process Flow Diagram(s)
<input checked="" type="checkbox"/>	ATTACHMENT D: Equipment Table
<input checked="" type="checkbox"/>	ATTACHMENT E: Emission Unit Form(s)
<input type="checkbox"/>	ATTACHMENT F: Schedule of Compliance Form(s)
<input checked="" type="checkbox"/>	ATTACHMENT G: Air Pollution Control Device Form(s)
<input checked="" type="checkbox"/>	ATTACHMENT H: Compliance Assurance Monitoring (CAM) Form(s)

*All of the required forms and additional information can be found and downloaded from, the DEP website at [www.dep.wv.gov/daq](http://www.dep.wv.gov/daq), requested by phone (304) 926-0475, and/or obtained through the mail.*



**ATTACHMENT D - Title V Equipment Table**  
(includes all emission units at the facility except those designated as  
insignificant activities in Section 4, Item 24 of the General Forms)

Emission Point ID <sup>1</sup>	Control Device <sup>1</sup>	Emission Unit ID <sup>1</sup>	Emission Unit Description	Design Capacity	Year Installed/ Modified
300	None	300	Natural Gas Boiler	11.0 MMBtu/hr	1981
301	None	301	Natural Gas Boiler	8.6 MMBtu/hr	1960
308	None	308	Natural Gas Boiler	12.9 MMBtu/hr	2015
001	001 BV	001A	Storage Silo	25 TPH	1950
002	002 BV	002A	Storage Silo	25 TPH	1950
003	003 BV	003A	Storage Silo	25 TPH	1950
004	004 BV	004A	Storage Silo	25 TPH	1950
005	005 BV	005A	Storage Silo	25 TPH	1950
006	006 BV	006A	Storage Silo	25 TPH	1950
007	007 BV	007A	Storage Silo	25 TPH	1970
008	008 BV	008A	Storage Silo	25 TPH	1970
009	009 BV	009A	Storage Silo	25 TPH	1970
010	010 BV	010A	Storage Silo	25 TPH	1970
011	011 BV	011A	Storage Silo	25 TPH	1970
012	012 BH	012A	Bucket Elevator	25 TPH	1967
		012B	Surge Bin	25 TPH	1967
		12C	Container Fill Station Silos 1 – 6	2 TPH	1970
		12D	Container Fill Station Silo 4	2 TPH	1970
		12E	Rail Car Unloading	25 TPH	1998
013	013 BH	013	Baghouse	6670 CFM	1950
		013A	Crusher	4 TPH	1950
		013B	Bucket Elevator	4 TPH	1950
		013C	Storage Bin At Track	4 TPH	1972
		013D	Bin	4 TPH	1950
		013E	Covered Conveyor Belt	4 TPH	1950
		013F	Rail Car Load Vent	10 TPH	1950

014	014 BH	014	Baghouse (No. 1 House APCD) [Replaced - 2010]	11,500 CFM	1950
		014A	Bucket Elevator	17 TPH	1940
		014B	#1 Mill Elevator	17 TPH	1940
		014C	Small Crusher	17 TPH	1950
		014D	Smooth Roll Crusher	17 TPH	1950
		014E	#1 Coke Elevator	17 TPH	1950
		014F	NA Receiver Bin	25 TPH	1950
015	015 BH	015	Baghouse (No. 2 House APCD)	6,500 CFM	1940
		015A	Coke Flour Bin	8 TPH	1940
		015B	Coke Particle Bin	8 TPH	1940
016	016 BH	016	#1 Mill Baghouse	10,000 CFM	1940
		016A	Mill Cyclone	4 TPH	1940
017	017 BH	017	#2 Mill Baghouse	10,000 CFM	1940
		017A	Mill Cyclone	4 TPH	1940
018	018 BH	018	Baghouse (#3 Raymond Mill)	7,000 CFM	1940-1950
		018A	Mill Cyclone	4 TPH	1940-1950
019	019 BH	019	Baghouse	13,000 CFM	1986-1987
		019A	Pitch Mill	3 TPH	1987
		019B	Weigh Hopper/Blender	3 TPH	1987
		019C	Mixer	3 TPH	1987
		019D	Mixer	3 TPH	1987
		019E	Belt Conveyor	3 TPH	1987
		019G	Inclined Belt Conveyor	3 TPH	1987
		019H	Container Loading Station	3 TPH	1987
		019I	Portable Container Fill Station	1 TPH	1987
		019J	Bucket Elevator / Container Filling	1 TPH/3 TPH	1987/1986
		019K	CHP Crusher	1 TPH	1987
020	020 BH	020	Baghouse	5,990 CFM	1950
		020A	Crusher	10 TPH	1950
		020B	Rotex	10 TPH	1950

021	021 BV	021	Receiver Vent	NA	1972		
		021A	Pitch Airveyor Receiver /	10 TPH	1972		
			Pencil Pitch Receiver Bin	40 TPH	1970		
022	022 BH	022	Baghouse (No. 3 House APCD) [Replaced -2010]	11,500 CFM	1962-1947		
		022A	Dust Bin	20 TPH	1947		
		022B	Particle Bin	20 TPH	1947		
		022C	Dust Bin	10 TPH	1947		
		022D	Particle Container Fill Station	10 TPH	1947		
		022E	Dust Container Fill Station	10 TPH	1947		
		022F	#1 Particle Bin	17 TPH	1950		
		022G	Bucket Elevator	17 TPH	1950		
		022H	Screw Conveyor 4 <sup>th</sup> Floor	17 TPH	1950		
		022I	3 <sup>rd</sup> Floor Screw Conveyor	17 TPH	1950		
		022J	3 <sup>rd</sup> Floor Screw Conveyor	17 TPH	1950		
		022K	3 <sup>rd</sup> Floor Screw Conveyor	17 TPH	1950		
		022L	3 <sup>rd</sup> Floor Screw Conveyor	17 TPH	1950		
		022M	3 <sup>rd</sup> Floor Screw Conveyor	17 TPH	1950		
		022N	Receiver Bin Silos 1-6 or BO from Silos 7 or 8	17 TPH	1974		
		022O	Receiver Bin from Silos 7 or 8	17 TPH	1974		
		022P	3 <sup>rd</sup> Floor Screw Conveyor	4 TPH	1962		
		023	023 FV	023	House Airveyor (Filtered Vent APCD)	20 TPH	1962
024	House Airveyor (Filtered Vent APCD)			20 TPH	1962		
025	025 BV			025	Bin Vent (APCD)	NA	1962
				025A	Hopper	5 TPH	1962

026	026 BH	026	Baghouse	15,000 CFM	1940
		026A	#4 BO Flour Bin	10 TPH	1940
		026B	Green Scrap Bin #3	10 TPH	1940
		026C	Pitch Bin	1 TPH	1940
		026D	Particle Bin #6	10 TPH	1940
		026E	Bin 15B	16 TPH	1962
		026F	Bin 15A	16 TPH	1962
		026G	Bin 15	16 TPH	1962
		026H	Bin 16	16 TPH	1962
		026I	Bin 17	16 TPH	1962
		026J	Bin 18	16 TPH	1962
		026K	Bin 19	16 TPH	1962
		026L	Bin 20	16 TPH	1962
		026M	Bin 21	16 TPH	1962
		026N	Bin 22	16 TPH	1962
		026O	Bin 23	16 TPH	1962
		026P	Bin 24	16 TPH	1962
		026Q	Batch Scales	16 TPH	1962
		026R	Batch Scales	16 TPH	1962
026V	Container Fill Station	5 TPH	1972		
026	027 BH	027	Baghouse (Same BH APCD as 026 Above)	15,000 CFM	1961
		027A	Rail Load Out	40 TPH	1977
		027B	Super Sack Loading Station	8 TPH	1962
		027C	Charge Port 1	8 TPH	1962
		027D	Charge Port 2	8 TPH	1962
		027E	Charge Port 3	8 TPH	1962
		027F	Charge Port 4	8 TPH	1962
		027G	Charge Port 5	8 TPH	1962
		027H	Charge Port 6	8 TPH	1962

026	027 BH	027I	Charge Port 7	8 TPH	1962
		027J	Charge Port 8	8 TPH	1962
		027K	Charge Port 9 (Currently Out of Service)	8 TPH	1962
		027L	Charge Port 10 (Currently Out of Service)	8 TPH	1962
031	031 BH	031	Baghouse (Replace CBF's 030,031,033,034, 035)	50,000 CFM	2008
		031A	Mixer (Previously 031A)	4 TPH	1962
		031B	Mixer (Previously 031B)	4 TPH	1962
		031C	Cooler (Previously 031C)	4 TPH	1962
		031D	Conveyor Belt (Previously 031D)	4 TPH	1962
		031E	Mixer (Previously 033A)	4 TPH	1962
		031F	Mixer (Previously 033B)	4 TPH	1962
		031G	Cooler (Previously 033C)	4 TPH	1962
		031H	Mixer (Previously 034A)	4 TPH	1962
		031I	Mixer (Previously 034B)	4 TPH	1962
		031J	Cooler (Previously 034C)	4 TPH	1962
		031K	Mixer (Previously 035A)	4 TPH	1962
		031L	Mixer (Previously 035B)	4 TPH	1962
		031M	Cooler (Previously 035C)	4 TPH	1962
		031N	Vacuum Pump – 40" Extruder	NA	1962
031O	Discharge Chute for 035F Covered Conveyor	4 TPH	1962		
032	032 BH & 019 BH	032	Baghouse (Replaced Coke Bed Filter 032)	10,000 CFM	2008 & 1977
		032A	Mixer #1	2 TPH	1967
		032B	Mixer #2	2 TPH	1967
		032C	Belt Conveyor	8 TPH	1967
		032D	Mold Filling Station	2 TPH	1967
			<i>Note: Coke Bed Filter Units 030,031,033,034, 035 Replaced by Baghouse 030 and Coke Bed Filter Unit 032 Replaced by Baghouse 031. Emission Point ID's Changed to Match Control Device ID Numbers.</i>		

090	090 VAC	090A	Bldg 3 Housekeeping Vac Sys Primary Separator	1 TPH	1995
		090B	Bldg 3 Housekeeping Vac Sys Secondary Separator ( <i>Currently Out of Service</i> )	1 TPH	1995
091	091 VENT	091	Pitch Receiver Vent	NA	1997
		091A	Pitch Receiver	3 TPH	1986
092	092 BV	092	Air Classifying Mill Receiver Bin Vent	3 TPH	1996
036	036 BH	036	Baghouse	10,500 CFM	1962
		036A	Duplex Mill	0.12 TPH	1962
037	037 BH	037	Baghouse	4,500 CFM	1962
		037A	Vertical Mill	5 TPH	1962
		037B	Niles Lathe	5 TPH	1962
		037C	Gardner Grinder	5 TPH	1962
038	038 BH	038	Baghouse	7,050 CFM	1962
		038A	Lathe	5 TPH	1962
		038B	End Facer	20 TPH	1962
040	040 BH	040	Baghouse	17,800 CFM	1962
		039A	Hydrotel	5 TPH	1962
		039B	Shot Blat Feed Rail	40 TPH	1962
		040A	Shot Blast – Main Unit	40 TPH	1962
		040B	Bag Lump Breaker/Unloading Station	1 TPH	2009
		040C	Primary Lump Breaker	1 TPH	2009
		040D	Screw Conveyor	1 TPH	2009
040E	Pitch Particle Elevator	1 TPH	2009		
041	041 ESP	041A	ESP 1 (Electrostatic Precipitator APCD)	10,000 CFM	1986
		041B	ESP 1 (Electrostatic Precipitator APCD)	10,000 CFM	1986
		041C	Autoclave	1.25 TPH	1986
		041D	Pitch Storage Tank #33	37,120 GAL TANK	1986
		041E	Vacuum Pump System		1986

042	042 BH	042	Baghouse	10,050 CFM	1962
		042A	Building 29 Floor Dump	20 TPH	1962
		042B	Building 29 Floor Screw Conveyor	20 TPH	1962
		042C	Building 29 Mill Room Screw Conveyor	20 TPH	1962
		042D	Loading Pit Sand Bin Screw Conveyor	20 TPH	1962
		042E	Sand Pack Dispensing/Storage Bin	20 TPH	1962
		042F	Sagger Filling/Packing Pit	20 TPH	1962
043	043 BH	043	Baghouse	30,000 CFM	1962
		043A	Bucket Elevator	20 TPH	1962
		043B	Hummer	20 TPH	1962
		043C	Bucket Elevator	20 TPH	1962
		043D	Outside Sand Bin	20 TPH	1962
044	Flue Gas Recirc	044A	Bake Department Pit Baking Furnaces – Bldg. 30	2.62 TPH	1972
		through 044S			
045	Flue Gas Recirc	045A	Bake Department Pit Baking Furnaces – Bldg. 29	2.62 TPH	1972
		through 045T			
046	046 BH	046	Baghouse	8,600 CFM	1962
		046A	Storage Bin	40 TPH	1962
		046B	Airveyor Receiver	20 TPH	1962
		046C	Hummer	40 TPH	1962
		046D	Over/Undersize Fill Station	1 TPH	1962
		046E	Bucket Elevator	40 TPH	1962
047	047 BH	047	Baghouse	6,800 CFM	1962
		047A	Sand Dump/Hopper Fill Station	40 TPH	1962
		047B	Belt Conveyor	40 TPH	1962

048	048 BH	048	Baghouse	12,100 CFM	1962
		048A	Bucket Elevator	40 TPH	1962
		048B	Pack Return Hopper	40 TPH	1962
		048C	Pack Dispensing Station Hopper	40 TPH	1962
		048D	Bucket Elevator	40 TPH	1962
		048E	Witte Screener	40 TPH	1962
		048F	Sand Pack Storage Bin	40 TPH	1962
		048G	Building 29 Over/Undersize Fill	1 TPH	1962
		048H	Sand Bin	20 TPH	1962
049	049 PBV	049	Powered Bin Vent	800 CFM	1987
		049A	Bulk Sand Storage Silo	4 TPH	1962
056	056 BH	056	Baghouse (BO Tower)	15,900 CFM	1980
		056A	Bin	10 TPH	1980
		056B	Large Rotex	10 TPH	1980
		056C	Small Rotex	10 TPH	1980
		056D	Bin	10 TPH	1980
		056E	Crusher Feed Bin	5 TPH	1980
		056F	Crusher	5 TPH	1980
		056G	Elevator	10 TPH	1980
		056H	Rail Car Loading	20 TPH	1980
		056I	Fines Bin	10 TPH	1980
		056J	Particle Storage Bin	10 TPH	1980
		056K	Particle Storage Bin	10 TPH	1980
		056L	Particle Storage Bin	10 TPH	1980
		056M	Particle Storage Bin	10 TPH	1980
		056N	Fines Container Fill Station	10 TPH	1980
		056O	Container Fill Station	10 TPH	1980
		056P	Container Fill Station	10 TPH	1980
056Q	Container Fill Station	10 TPH	1980		
056R	Container Fill Station	10 TPH	1980		
056S	Truck/Rail Car Loading Station	20 TPH	1980		



057	057 BH	057	Baghouse – Zone 11	15,900 CFM	1981
058	058 BH	058	Baghouse – Zone 10	15,900 CFM	1981
059	059 BH	059	Baghouse – Zone 8	15,900 CFM	1981
060	060 BH	060	Baghouse – Zone 7	15,900 CFM	1981
061	061 BH	061	Baghouse – Zone 6	15,900 CFM	1981
062	062 BH	062	Baghouse – Zone 5	15,900 CFM	1981
063	063 BH	063	Baghouse – Zone 4	15,900 CFM	1981
064	064 BH	064	Baghouse – Zone 3	15,900 CFM	1981
065	065 BH	065	Baghouse – Zone 2	15,900 CFM	1981
066	066 BH	066	Baghouse – Zone 1	15,900 CFM	1981
067	067 BH	067	Baghouse – Zone 12	28,800 CFM	1997
076	068 BH	076	Baghouse – Zone 9	15,900 CFM	1981

070	070 BH	070	Baghouse (4 <sup>th</sup> Floor)	14,000 CFM	1965
		070A	Rotex #1	40 TPH	1982
		070B	Rotex #2	40 TPH	1982
		070C	Receiver Bin	NA	1982
		070D	Bin #3	20 TPH	1965
		070E	Bin #2	20 TPH	1965
		070F	Bin #5	20 TPH	1965
		070G	Bin #6	20 TPH	1965
		070H	Bin #1	20 TPH	1965
		070I	Bin #4	20 TPH	1965
		070J	Screw Conveyor	20 TPH	1965
		070K	Bin #10	20 TPH	1965
		070L	Bin #11	20 TPH	1965
		070M	Bin #12	20 TPH	1965
		070N	Bin #13	20 TPH	1965
		070O	Bin #14	20 TPH	1965
		070P	Bin #15	20 TPH	1965
		070Q	Bin #20	20 TPH	1965
		070R	Bin #21	20 TPH	1965
		070S	Bin #22	20 TPH	1965
		070T	Bin #23	20 TPH	1965
		070U	Bin #24	20 TPH	1965
		070V	Bin #25	20 TPH	1965
		070W	Bin #26	20 TPH	1965

074	074 BH	074	Baghouse	70,000 CFM	1965
		074A	Oversize Container/Supersack Fill Station	5 TPH	1965
		074B	Bucket Elevator #3	40 TPH	1965
		074C	Pack Hopper Dump Station	40 TPH	1965
		074D	De-Duster	40 TPH	1965
		074E	Hopper Load Station #2 (Bin #2)	40 TPH	1965
		074F	Hopper Load Station #3 (Bin #3)	40 TPH	1965
		074G	Hopper Load Station #4 (Bin #4)	40 TPH	1965
		074H	Hopper Load Station #5 (Bin #5)	40 TPH	1965
		074I	Hopper Load Station #6 (Bin #6)	40 TPH	1965
		074J	Hopper Load Station #1 (Bin #1)	40 TPH	1965
		074K	Hopper Load Station #11 (Bin #11)	40 TPH	1965
		074L	Hopper Load Station #10 (Bin #10)	40 TPH	1965
		074M	Hopper Load Station #13 (Bin #13)	40 TPH	1965
		074N	Hopper Load Station #22 (Bin #22)	40 TPH	1965
		074O	Hopper Load Station #21 (Bin #21)	40 TPH	1965
		074P	Hopper Load Station #23 (Bin #23)	40 TPH	1965
		074Q	Hopper Load Station #25 (Bin #25)	40 TPH	1965
074R	Hopper Load Station #26 (Bin #26)	40 TPH	1965		
074S	Dust Truck Loading	40 TPH	1965		
077	077 VP	077	Vacuum Pump (BO Tower)	1000 CFM	1980
		077A	Filter (BO Tower)	NA	1980
		077B	Filter (BO Tower)	NA	1980
		077C	Filtered Receiver Bin (BO Tower)	1 TPH	1980
078	078 INCIN	078	Natural Gas Fired Incinerator	1.5 MMBtu/hr	1995
		078A	Small Car Bottom Furnace	2.0 MMBtu/hr	1995
080	080 INCIN	080	Natural Gas Fired Incinerator (3.5 MMBtu/hr)	6821 CFM	1997
		080L	Car Bottom Furnace #1 (2.1 MMBtu/hr)	0.89 TPH	1997
		080M	Car Bottom Furnace #2 (2.1 MMBtu/hr)	0.89 TPH	1997
		080N	Car Bottom Furnace #3 (2.1 MMBtu/hr)	0.89 TPH	1997

080	080 INCIN	094	Walk-in, Natural Gas Fired Heat Treat Oven	0.11 TPH 1 MMBtu/hr	2004
		095	Walk-in, Natural Gas Fired Heat Treat Oven	0.11 TPH 1 MMBtu/hr	2004
081	081 INCIN	081	Natural Gas Fired Incinerator (3.5 MMBtu/hr)	6821 CFM	YTBI
		081A	Car Bottom Furnace #4	2.1 MMBtu/hr	YTBI
		081B	Car Bottom Furnace #5	2.1 MMBtu/hr	YTBI
		081C	Car Bottom Furnace #6	2.1 MMBtu/hr	YTBI
		081D	Car Bottom Furnace #7	2.1 MMBtu/hr	YTBI
				<b>Note: Permitted by R13-2058C</b>	
				<b>0.89 TPH Process Wt. Rate each for 081A - 081D when constructed</b>	
082	082 BH	082	Baghouse	20,000 CFM	1997
		082C	End Trim Saw #1	0,5 TPH	1997
		082D	Supersack Unloading Station	0.5 TPH	1997
		082E	Sagger Unloading	20 TPH	1997
		082F	Sand Bin	20 TPH	1997
		082G	Charcoal Bin	1 TPH	1997
		082H	Green Scrap Bin	1 TPH	1997
		082I	Waste Bin	2 TPH	1997
		082J	Screener	20 TPH	1997
		082K	Screener	20 TPH	1997
		082M	IHM Vertical Band Saw	1 TPH	2006
		082N	Sanding/Grinding	1 TPH	2006
		082P	IHM #1 Router	1 TPH	2004
		082Q	IHM Router/Saw #2	1 TPH	2004
		082R	IHM Trim Saw	1 TPH	2004
082S	IHM Hand Held Surface Grinder	1 TPH	2004		
082T	IHM Sander	1 TPH	2004/2006		

251 – 257	NC251	NC251	Cool Down Stack for Furnace #1	NA	1997
		NC252	Cool Down Stack for Furnace #2	NA	1997
		NC253	Cool Down Stack for Furnace #3	NA	1997
		NC254	Cool Down Stack for Furnace #4	NA	YTBI
		NC255	Cool Down Stack for Furnace #5	NA	YTBI
		NC256	Cool Down Stack for Furnace #6	NA	YTBI
		NC257	Cool Down Stack for Furnace #7	NA	YTBI
			<b>Note: No emissions from these stacks during cool down – utilized for heat dissipation only.</b>		
083	083 VENT	083	Filter Receiver for Sagger Unloading Wand on Sagger Unloading System <sup>1</sup>	20 TPH	1997
084	084 VENT	084	Filter Receiver for Sagger Unloading Wand on Sagger Unloading System <sup>1</sup> <b><sup>1</sup> Vents Inside Building 110 – 6<sup>th</sup> Floor – Regulated by R13-2058C</b>	20 TPH	1997
087	087 BH	087	Baghouse	2000 CFM	1997
		G-2	Pack Receiver Bin (Fm Bldg. 65 Pack Hoods)	10 TPH	1997
		G-4	Baghouse Filter	NA	1997
		G-5	Secondary Filter	NA	1997
		G-7	Blower	2000 CFM	1997
231	NA	231A through 231T	Building 59 Acheson Graphitizing Furnaces – Fugitives from Roof Monitors	7,023 TPY <sup>1</sup> <sup>1</sup> Bldg Designed to Settle Out TSP	1940
232	NA	232A through 232T	Building 58 Acheson Graphitizing Furnaces – Fugitives from Roof Monitors	7,023 TPY <sup>1</sup> <sup>1</sup> Bldg Designed to Settle Out TSP	1940
233	NA	233A through 233F	Building 51 E-Graph Furnaces – Fugitives from Roof Monitors	3,519 TPY	1992 Reconfigured
235	NA	235A through 235T	Building 64 Acheson Graphitizing Furnaces – Fugitives from Roof Monitors	7,023 TPY <sup>1</sup> <sup>1</sup> Bldg Designed to Settle Out TSP	1940

236	NA	236A through 236F	Building 65 E-Graph Furnaces – Fugitives from Roof Monitors	3,519 TPY	1992 Reconfigured
212	NA Fugitive	212	Building 17 Pitch Impregnation – Fugitives from Roof Monitor	NA	1986
213	NA Fugitive	213	Building 29 - #5 National Pit Bake Furnace Room- Fugitive Emission from Roof Monitors	NA	1972
214	NA Fugitive	214	Building 30 - #5 National Pit Bake Furnace Room- Fugitive Emission from Roof Monitors	NA	1972
299	NA  No Emissions	299A 299B 299C	Rigid Insulation Vacuum Pump Vacuum Pump Vacuum Pump	NA	1992 1992 1992
700	700 Filtered Exhaust	700A	Vacuum Unit on Alpine Mill	75 PPH	1992
306	NA	306A	Walk In Cure Oven	1 TPH	1990
401	401 BH	401 401A 401B	Baghouse Overfill Container Overfill Container	1000 CFM 50 PPH 50 PPH	1988
241	NA	241	Tectyl 779 Bulk Oil Storage Tank Vent	10,000 Gallon	1998
053	053 BH	053 053A 053B 053C 053D	Baghouse Physical Testing Saw Physical Testing Lathe Physical Testing Drill Physical Testing Grinder	1 TPH 1 TPH 1 TPH 1 TPH	1997 Relocated
407	407 BH	407A	End Facing Saw Note: DAQ R13 NPN	39.02 TPH	1996
535	NA	535	Building 60 Used Oil Space Heating Unit	0.185 MMBtu/hr	1994

536	NA	536	Building 23 Used Oil Space Heating Unit	0.185 MMBtu/hr	1998
276	NA	276	Maintenance Degreasing Units (5 Total)	NA - Safety Kleen Self- Distillation Units	Varies
215	NA	215	Diesel Fuel Storage Tank (Above Ground)	6000 gal. cap. tank	1985
216	NA	216	Unleaded Gasoline Fuel Storage Tank (Above Ground)	1000 gal. cap. tank	1985
217	NA	217	Kerosene Fuel Storage Tank (Above Ground)	500 gal. cap. tank	1986
209	NA	209	Lab Hood #1	600 CFM	1983 Relocated
210	NA	210	Lab Hood #2	600 CFM	1983 Relocated
211	NA	211	Muffle Furnace Hood (Vents Inside Building 5)	400 CFM	1983 Relocated
302	NA	302A	PI Natural Gas Fired Pre-heater	10 TPH	1986
303	NA	303A	PI Natural Gas Fired Pre-heater	10 TPH	1986
304	NA	304A	PI Natural Gas Fired Pre-heater	10 TPH	1986
320	NA	320	PI and Special Products Benco Pre-heater	10 TPH	1997
222,	NA	222A	T-143 Autoclave	2 TPH	1970
225,		225A	Portable Exhaust Fan	NA	1970
224		224A	Autoclave Vent to Atmosphere	NA	1970
222	NA	222C	Vacuum Pump	NA	1970
223	NA	223A	T-157 Autoclave	2 TPH	1970
307	NA	307A	Cure Oven	15 Ton/Cycle	1988

096	None De minimis Source	096A	Despatch Electric Drying Oven #1	0.014 TPH  (Primarily Water Vapor and Heat)	2006
		096B	Despatch Electric Drying Oven #2		
		096C	Despatch Electric Drying Oven #3		
		096D	Despatch Electric Drying Oven #4		
		096E	Despatch Electric Drying Oven #5		
		096F	Despatch Electric Drying Oven #6		
		096G	Despatch Electric Drying Oven #7		

<sup>1</sup>For 45CSR13 permitted sources, the numbering system used for the emission points, control devices, and emission units should be consistent with the numbering system used in the 45CSR13 permit. For grandfathered sources, the numbering system should be consistent with registrations or emissions inventory previously submitted to DAQ. For emission points, control devices, and emissions units which have not been previously labeled, use the following 45CSR13 numbering system: 1S, 2S, 3S,... or other appropriate description for emission units; 1C, 2C, 3C,... or other appropriate designation for control devices; 1E, 2E, 3E, ... or other appropriate designation for emission points.