



Allegheny Wood Products, Inc.
Bruceton Mill (Hazelton), WV
Mill # 6

Application for NSR Permit
Class II Administrative Update
205 HP Hurst Natural Gas Fired Boiler

West Virginia
Department of
Environmental Protection
Division of Air Quality

April 20, 2015

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AWP
Bruceton Mills, WV
(Hazelton)
Mill #6

205 HP Hurst
Natural Gas
Fired Boiler

WVDEP
Division of Air Quality

April 20, 2015

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Tabbed Section 1



WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF AIR QUALITY

601 57th Street, SE
Charleston, WV 25304
(304) 926-0475
www.dep.wv.gov/dag

**APPLICATION FOR NSR PERMIT
AND
TITLE V PERMIT REVISION
(OPTIONAL)**

PLEASE CHECK ALL THAT APPLY TO NSR (45CSR13) (IF KNOWN):

- CONSTRUCTION MODIFICATION RELOCATION
 CLASS I ADMINISTRATIVE UPDATE TEMPORARY
 CLASS II ADMINISTRATIVE UPDATE AFTER-THE-FACT

PLEASE CHECK TYPE OF 45CSR30 (TITLE V) REVISION (IF ANY):

- ADMINISTRATIVE AMENDMENT MINOR MODIFICATION
 SIGNIFICANT MODIFICATION

IF ANY BOX ABOVE IS CHECKED, INCLUDE TITLE V REVISION INFORMATION AS ATTACHMENT S TO THIS APPLICATION

FOR TITLE V FACILITIES ONLY: Please refer to "Title V Revision Guidance" in order to determine your Title V Revision options (Appendix A, "Title V Permit Revision Flowchart") and ability to operate with the changes requested in this Permit Application.

Section I. General

1. Name of applicant (as registered with the WV Secretary of State's Office): Allegheny Wood Products International, Inc.		2. Federal Employer ID No. (FEIN): 27-2895233	
3. Name of facility (if different from above): Plant Number 6		4. The applicant is the: <input type="checkbox"/> OWNER <input type="checkbox"/> OPERATOR <input checked="" type="checkbox"/> BOTH	
5A. Applicant's mailing address: 240 Airport Road Petersburg, WV 26847		5B. Facility's present physical address: 996 Moyers Road Bruceeton Mills, WV 26525	
6. West Virginia Business Registration. Is the applicant a resident of the State of West Virginia? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO – If YES, provide a copy of the Certificate of Incorporation/Organization/Limited Partnership (one page) including any name change amendments or other Business Registration Certificate as Attachment A . – If NO, provide a copy of the Certificate of Authority/Authority of L.L.C./Registration (one page) including any name change amendments or other Business Certificate as Attachment A .			
7. If applicant is a subsidiary corporation, please provide the name of parent corporation:			
8. Does the applicant own, lease, have an option to buy or otherwise have control of the <i>proposed site</i> ? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO – If YES, please explain: Owns and operates site – If NO, you are not eligible for a permit for this source.			
9. Type of plant or facility (stationary source) to be constructed, modified, relocated, administratively updated or temporarily permitted (e.g., coal preparation plant, primary crusher, etc.): Addition of a 205 HP Gas Fired Hurst Boiler		10. North American Industry Classification System (NAICS) code for the facility: 321999	
11A. DAQ Plant ID No. (for existing facilities only): 0770060		11B. List all current 45CSR13 and 45CSR30 (Title V) permit numbers associated with this process (for existing facilities only): R 13 – 2 2 0 3	
All of the required forms and additional information can be found under the Permitting Section of DAQ's website, or requested by phone.			

<p>12A.</p> <ul style="list-style-type: none"> For Modifications, Administrative Updates or Temporary permits at an existing facility, please provide directions to the <i>present location</i> of the facility from the nearest state road; For Construction or Relocation permits, please provide directions to the <i>proposed new site location</i> from the nearest state road. Include a MAP as Attachment B. <p>I-68 Exit 29 onto Glade Farms Road/CR-5 for ~465 feet, turn left onto Moyers/CR-5/7 and drive for 1.2 miles arriving at 966 Moyers Rd., Bruceton Mills, WV 26525.</p>		
12.B. New site address (if applicable):	12C. Nearest city or town: Hazelton, WV	12D. County:
12.E. UTM Northing (KM): 4,390.73 KM	12F. UTM Easting (KM): 624.37 KM	12G. UTM Zone: 17
<p>13. Briefly describe the proposed change(s) at the facility: Addition of a 205 HP Hurst Gas-Fired Boiler for steam production</p>		
<p>14A. Provide the date of anticipated installation or change: 07/01/2015</p> <ul style="list-style-type: none"> If this is an After-The-Fact permit application, provide the date upon which the proposed change did happen: / / 		<p>14B. Date of anticipated Start-Up if a permit is granted: 07/31/2015</p>
<p>14C. Provide a Schedule of the planned Installation of/Change to and Start-Up of each of the units proposed in this permit application as Attachment C (if more than one unit is involved).</p>		
<p>15. Provide maximum projected Operating Schedule of activity/activities outlined in this application: Hours Per Day 24 Days Per Week 7 Weeks Per Year 52</p>		
<p>16. Is demolition or physical renovation at an existing facility involved? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p>		
<p>17. Risk Management Plans. If this facility is subject to 112(r) of the 1990 CAAA, or will become subject due to proposed changes (for applicability help see www.epa.gov/ceppo), submit your Risk Management Plan (RMP) to U. S. EPA Region III.</p>		
<p>18. Regulatory Discussion. List all Federal and State air pollution control regulations that you believe are applicable to the proposed process (<i>if known</i>). A list of possible applicable requirements is also included in Attachment S of this application (Title V Permit Revision Information). Discuss applicability and proposed demonstration(s) of compliance (<i>if known</i>). Provide this information as Attachment D.</p>		
<p>Section II. Additional attachments and supporting documents.</p>		
<p>19. Include a check payable to WVDEP – Division of Air Quality with the appropriate application fee (per 45CSR22 and 45CSR13).</p>		
<p>20. Include a Table of Contents as the first page of your application package.</p>		
<p>21. Provide a Plot Plan, e.g. scaled map(s) and/or sketch(es) showing the location of the property on which the stationary source(s) is or is to be located as Attachment E (Refer to Plot Plan Guidance).</p> <ul style="list-style-type: none"> Indicate the location of the nearest occupied structure (e.g. church, school, business, residence). 		
<p>22. Provide a Detailed Process Flow Diagram(s) showing each proposed or modified emissions unit, emission point and control device as Attachment F.</p>		
<p>23. Provide a Process Description as Attachment G.</p> <ul style="list-style-type: none"> Also describe and quantify to the extent possible all changes made to the facility since the last permit review (if applicable). 		
<p>All of the required forms and additional information can be found under the Permitting Section of DAQ's website, or requested by phone.</p>		

24. Provide **Material Safety Data Sheets (MSDS)** for all materials processed, used or produced as **Attachment H**.
 – For chemical processes, provide a MSDS for each compound emitted to the air.

25. Fill out the **Emission Units Table** and provide it as **Attachment I**.

26. Fill out the **Emission Points Data Summary Sheet (Table 1 and Table 2)** and provide it as **Attachment J**.

27. Fill out the **Fugitive Emissions Data Summary Sheet** and provide it as **Attachment K**.

28. Check all applicable **Emissions Unit Data Sheets** listed below:

<input type="checkbox"/> Bulk Liquid Transfer Operations	<input type="checkbox"/> Haul Road Emissions	<input type="checkbox"/> Quarry
<input type="checkbox"/> Chemical Processes	<input type="checkbox"/> Hot Mix Asphalt Plant	<input type="checkbox"/> Solid Materials Sizing, Handling and Storage Facilities
<input type="checkbox"/> Concrete Batch Plant	<input type="checkbox"/> Incinerator	<input type="checkbox"/> Storage Tanks
<input type="checkbox"/> Grey Iron and Steel Foundry	<input checked="" type="checkbox"/> Indirect Heat Exchanger	
<input type="checkbox"/> General Emission Unit, specify		

Fill out and provide the **Emissions Unit Data Sheet(s)** as **Attachment L**.

29. Check all applicable **Air Pollution Control Device Sheets** listed below:

<input type="checkbox"/> Absorption Systems	<input type="checkbox"/> Baghouse	<input type="checkbox"/> Flare
<input type="checkbox"/> Adsorption Systems	<input type="checkbox"/> Condenser	<input type="checkbox"/> Mechanical Collector
<input type="checkbox"/> Afterburner	<input type="checkbox"/> Electrostatic Precipitator	<input type="checkbox"/> Wet Collecting System
<input type="checkbox"/> Other Collectors, specify		

Fill out and provide the **Air Pollution Control Device Sheet(s)** as **Attachment M**.

30. Provide all **Supporting Emissions Calculations** as **Attachment N**, or attach the calculations directly to the forms listed in Items 28 through 31.

31. **Monitoring, Recordkeeping, Reporting and Testing Plans.** Attach proposed monitoring, recordkeeping, reporting and testing plans in order to demonstrate compliance with the proposed emissions limits and operating parameters in this permit application. Provide this information as **Attachment O**.
 ➤ Please be aware that all permits must be practically enforceable whether or not the applicant chooses to propose such measures. Additionally, the DAQ may not be able to accept all measures proposed by the applicant. If none of these plans are proposed by the applicant, DAQ will develop such plans and include them in the permit.

32. **Public Notice.** At the time that the application is submitted, place a **Class I Legal Advertisement** in a newspaper of general circulation in the area where the source is or will be located (See 45CSR§13-8.3 through 45CSR§13-8.5 and **Example Legal Advertisement** for details). Please submit the **Affidavit of Publication** as **Attachment P** immediately upon receipt.

33. **Business Confidentiality Claims.** Does this application include confidential information (per 45CSR31)?
 YES NO
 ➤ If YES, identify each segment of information on each page that is submitted as confidential and provide justification for each segment claimed confidential, including the criteria under 45CSR§31-4.1, and in accordance with the DAQ's **"Precautionary Notice – Claims of Confidentiality"** guidance found in the **General Instructions** as **Attachment Q**.

Section III. Certification of Information

34. **Authority/Delegation of Authority.** Only required when someone other than the responsible official signs the application. Check applicable **Authority Form** below:

<input checked="" type="checkbox"/> Authority of Corporation or Other Business Entity	<input type="checkbox"/> Authority of Partnership
<input type="checkbox"/> Authority of Governmental Agency	<input type="checkbox"/> Authority of Limited Partnership

Submit completed and signed **Authority Form** as **Attachment R**.

All of the required forms and additional information can be found under the Permitting Section of DAQ's website, or requested by phone.

35A. **Certification of Information.** To certify this permit application, a Responsible Official (per 45CSR§13-2.22 and 45CSR§30-2.28) or Authorized Representative shall check the appropriate box and sign below.

Certification of Truth, Accuracy, and Completeness

I, the undersigned **Responsible Official** / **Authorized Representative**, hereby certify that all information contained in this application and any supporting documents appended hereto, is true, accurate, and complete based on information and belief after reasonable inquiry I further agree to assume responsibility for the construction, modification and/or relocation and operation of the stationary source described herein in accordance with this application and any amendments thereto, as well as the Department of Environmental Protection, Division of Air Quality permit issued in accordance with this application, along with all applicable rules and regulations of the West Virginia Division of Air Quality and W.Va. Code § 22-5-1 et seq. (State Air Pollution Control Act). If the business or agency changes its Responsible Official or Authorized Representative, the Director of the Division of Air Quality will be notified in writing within 30 days of the official change.

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.

SIGNATURE

E. Thomas Plaughter
(Please use blue ink)

DATE:

4/20/2015
(Please use blue ink)

35B. Printed name of signee: E. Thomas Plaughter

35C. Title: VP-Operations

35D. E-mail: tplaughter@alleghenywood.com

36E. Phone: 304-257-1082

36F. FAX: 304-257-2342

36A. Printed name of contact person (if different from above): John F. DiLorenzo

36B. Title: Safety & HR Manager

36C. E-mail:
jdlorenzo@alleghenywood.com

36D. Phone: 304-255-2276

36E. FAX: 304-253-6083

PLEASE CHECK ALL APPLICABLE ATTACHMENTS INCLUDED WITH THIS PERMIT APPLICATION:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Attachment A: Business Certificate | <input type="checkbox"/> Attachment K: Fugitive Emissions Data Summary Sheet |
| <input checked="" type="checkbox"/> Attachment B: Map(s) | <input checked="" type="checkbox"/> Attachment L: Emissions Unit Data Sheet(s) |
| <input type="checkbox"/> Attachment C: Installation and Start Up Schedule | <input type="checkbox"/> Attachment M: Air Pollution Control Device Sheet(s) |
| <input type="checkbox"/> Attachment D: Regulatory Discussion | <input checked="" type="checkbox"/> Attachment N: Supporting Emissions Calculations |
| <input checked="" type="checkbox"/> Attachment E: Plot Plan | <input type="checkbox"/> Attachment O: Monitoring/Recordkeeping/Reporting/Testing Plans |
| <input checked="" type="checkbox"/> Attachment F: Detailed Process Flow Diagram(s) | <input checked="" type="checkbox"/> Attachment P: Public Notice |
| <input checked="" type="checkbox"/> Attachment G: Process Description | <input type="checkbox"/> Attachment Q: Business Confidential Claims |
| <input type="checkbox"/> Attachment H: Material Safety Data Sheets (MSDS) | <input checked="" type="checkbox"/> Attachment R: Authority Forms |
| <input checked="" type="checkbox"/> Attachment I: Emission Units Table | <input type="checkbox"/> Attachment S: Title V Permit Revision Information |
| <input checked="" type="checkbox"/> Attachment J: Emission Points Data Summary Sheet | <input checked="" type="checkbox"/> Application Fee |

Please mail an original and three (3) copies of the complete permit application with the signature(s) to the DAQ, Permitting Section, at the address listed on the first page of this application. Please DO NOT fax permit applications.

FOR AGENCY USE ONLY – IF THIS IS A TITLE V SOURCE:

- Forward 1 copy of the application to the Title V Permitting Group and:
- For Title V Administrative Amendments:
 - NSR permit writer should notify Title V permit writer of draft permit,
- For Title V Minor Modifications:
 - Title V permit writer should send appropriate notification to EPA and affected states within 5 days of receipt,
 - NSR permit writer should notify Title V permit writer of draft permit.
- For Title V Significant Modifications processed in parallel with NSR Permit revision:
 - NSR permit writer should notify a Title V permit writer of draft permit,
 - Public notice should reference both 45CSR13 and Title V permits,
 - EPA has 45 day review period of a draft permit.

All of the required forms and additional information can be found under the Permitting Section of DAQ's website, or requested by phone.

Tabbed Section 2

**WEST VIRGINIA
STATE TAX DEPARTMENT
BUSINESS REGISTRATION
CERTIFICATE**

ISSUED TO:
**ALLEGHENY WOOD PRODUCTS INC
EAST END MOYERS ROAD
BRUCETON MILLS, WV 26525-0000**

BUSINESS REGISTRATION ACCOUNT NUMBER: **1035-9372**

This certificate is issued on: **06/23/2011**

*This certificate is issued by
the West Virginia State Tax Commissioner
in accordance with Chapter 11, Article 12, of the West Virginia Code*

*The person or organization identified on this certificate is registered
to conduct business in the State of West Virginia at the location above.*

This certificate is not transferrable and must be displayed at the location for which issued.
This certificate shall be permanent until cessation of the business for which the certificate of registration
was granted or until it is suspended, revoked or cancelled by the Tax Commissioner.

Change in name or change of location shall be considered a cessation of the business and a new
certificate shall be required.

TRAVELING/STREET VENDORS: Must carry a copy of this certificate in every vehicle operated by them.
CONTRACTORS, DRILLING OPERATORS, TIMBER/LOGGING OPERATIONS: Must have a copy of
this certificate displayed at every job site within West Virginia.

Tabbed Section 3

Print this page in a more readable format: Click Print next to the upper-right corner of the map.



A near I-68 E, Bruceton Mills, WV 26525

 Depart I-68 E

401 ft
Take ramp right and follow signs for CR-5

0.3 mi
Turn left onto Glade Farms Rd / CR-5

0.2 mi
Turn left onto Moyers Rd / CR-5/7

1.0 mi
Arrive at near 842 Moyers Rd, Bruceton Mills, WV 26525 on the right
The last intersection is Hanlin Rd / CR-5/6
If you reach Shady Grove Rd / CR-5/7, you've gone too far

B AWP Mill 6
near 842 Moyers Rd, Bruceton Mills, WV 26525

[Report a problem](#)

These directions are subject to the Microsoft® Service Agreement and for informational purposes only. No guarantee is made regarding their completeness or accuracy. Construction projects, traffic, or other events may cause actual conditions to differ from these results. Map and traffic data © 2015 NAVTEQ™.

Unsaved places

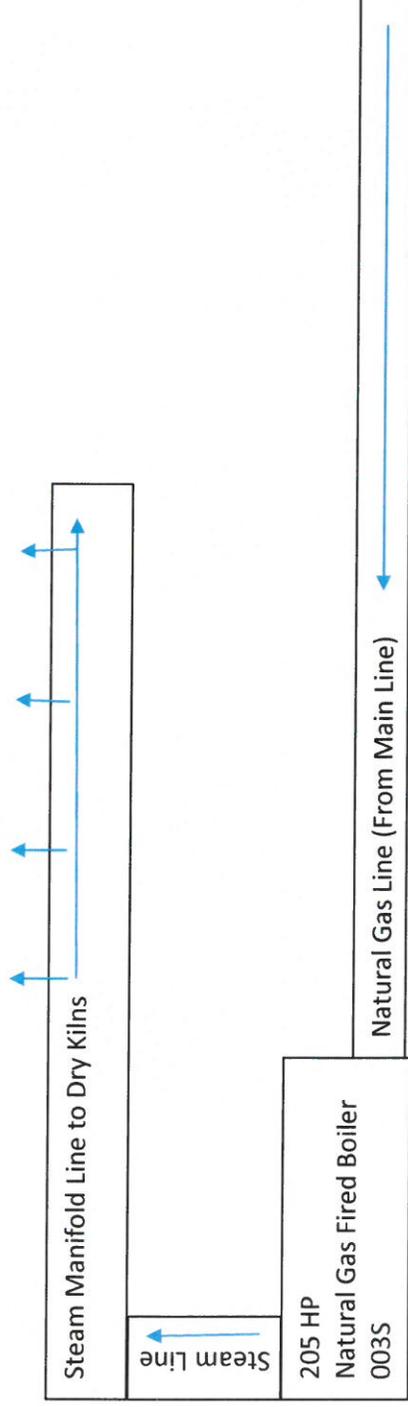
- 1
AWP Mill 6

Tabbed Section 4

Tabbed Section 5

Attachment F

Detailed Process Flow



Process:

1. Natural Gas is feed to the 205 HP Gas Fired Hurst boiler from the mail line
2. The boiler generates steam for use in the lumber drying process
3. The generated steam is transferred to the dry kilns via steam lines to be used in the drying process.

Tabbed Section 6

Attachment G

Process Description

1. Natural Gas is feed to the 205 HP Gas Fired Hurst boiler from the mail line
2. The boiler generates steam for use in the lumber drying process
3. The generated steam is transferred to the dry kilns via steam lines to be used in the drying process.

Tabbed Section 7

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**Attachment J
EMISSION POINTS DATA SUMMARY SHEET**

Table 1: Emissions Data

Emission Point ID No. (Must match Emission Units Table & Plot Plan)	Emission Point Type ¹	Emission Unit Vented Through This Point (Must match Emission Units Table & Plot Plan)		Air Pollution Control Device (Must match Emission Units Table & Plot Plan)		Vent Time for Emission Unit (chemical processes only)		All Regulated Pollutants - Chemical Name/CAS ³ (Speciate VOCs & HAPS)	Maximum Potential Uncontrolled Emissions ⁴		Maximum Potential Controlled Emissions ⁵		Emission Form or Phase (At exit conditions, Solid, Liquid or Gas/Vapor)	Est. Method Used ⁶	Emission Concentration ⁷ (ppmv or mg/m ³)	
		ID No.	Source	ID No.	Device Type	Short Term ²	Max (hr/yr)		lb/hr	ton/yr	lb/hr	ton/yr				
003E	Upward Vertical Stack	N/A	003S	N/A	N/A	N/A	N/A	NOx CO PM PM ₁₀	0.9 0.72 0.065 0.031	3.74 3.14 0.3 0.12	0.9 0.72 0.065 0.031	3.74 3.14 0.3 0.12	Gas Gas Solid Solid	EE EE EE EE	— — — —	

The EMISSION POINTS DATA SUMMARY SHEET provides a summation of emissions by emission unit. Note that uncaptured process emission unit emissions are not typically considered to be fugitive and must be accounted for on the appropriate EMISSIONS UNIT DATA SHEET and on the EMISSION POINTS DATA SUMMARY SHEET. Please note that total emissions from the source are equal to all vented emissions, all fugitive emissions, plus all other emissions (e.g. uncaptured emissions). Please complete the FUGITIVE EMISSIONS DATA SUMMARY SHEET for fugitive emission activities.

- Please add descriptors such as upward vertical stack, downward vertical stack, horizontal stack, relief vent, rain cap, etc.
- Indicate by "C" if venting is continuous. Otherwise, specify the average short-term venting rate with units, for intermittent venting (i.e., 15 min/hr). Indicate as many rates as needed to clarify frequency of venting (e.g., 5 min/day, 2 days/wk).
- List all regulated air pollutants. Speciate VOCs, including all HAPs. Follow chemical name with Chemical Abstracts Service (CAS) number. LIST Acids, CO, CS₂, VOCs, H₂S, Inorganics, Lead, Organics, O₃, NO, NO₂, SO₂, SO₃, all applicable Greenhouse Gases (including CO₂ and methane), etc. DO NOT LIST H₂, H₂O, N₂, O₂, and Noble Gases.
- Give maximum potential emission rate with no control equipment operating. If emissions occur for less than 1 hr, then record emissions per batch in minutes (e.g. 5 lb VOC/20 minute batch).
- Give maximum potential emission rate with proposed control equipment operating. If emissions occur for less than 1 hr, then record emissions per batch in minutes (e.g. 5 lb VOC/20 minute batch).
- Indicate method used to determine emission rate as follows: MB = material balance; ST = stack test (give date of test); EE = engineering estimate; O = other (specify).

² Release height of emissions above ground level.

Calculated Values - based on Degrees Lat Long to seven decimal places.

Position Type	Lat Lon
Degrees Lat Long	39.6585560°, -079.5491150°
Degrees Minutes	39°39.51336', -079°32.94690'
Degrees Minutes Seconds	39°39'30.8016", -079°32'56.8140"
UTM	17S 624464mE 4390867mN
MGRS	17SPD2446490867
Grid North	0.9°
GARS	201LV46
Maidenhead	FM09FP48CB52
GEOREF	GJLK27053951

Tabbed Section 9

Attachment L
Emission Unit Data Sheet
 (INDIRECT HEAT EXCHANGER)

Control Device ID No. (must match List Form):

Equipment Information

1. Manufacturer: Hurst	2. Model No. S14-GO-50 Serial No.
3. Number of units: 1	4. Use: Steam Production
5. Rated Boiler Horsepower: 205 hp	6. Boiler Serial No.:
7. Date constructed: 8/98	8. Date of last modification and explain: N/A
9. Maximum design heat input per unit: ×10 ⁶ BTU/hr	10. Peak heat input per unit: ×10 ⁶ BTU/hr
11. Steam produced at maximum design output: LB/hr psig	12. Projected Operating Schedule: Hours/Day 24 Days/Week 7 Weeks/Year 52
13. Type of firing equipment to be used: <input type="checkbox"/> Pulverized coal <input type="checkbox"/> Spreader stoker <input type="checkbox"/> Oil burners <input checked="" type="checkbox"/> Natural Gas Burner <input type="checkbox"/> Others, specify	14. Proposed type of burners and orientation: <input checked="" type="checkbox"/> Vertical <input type="checkbox"/> Front Wall <input type="checkbox"/> Opposed <input type="checkbox"/> Tangential <input type="checkbox"/> Others, specify
15. Type of draft: <input type="checkbox"/> Forced <input checked="" type="checkbox"/> Induced	16. Percent of ash retained in furnace: %
17. Will flyash be reinjected? <input type="checkbox"/> Yes <input type="checkbox"/> No	18. Percent of carbon in flyash: %

Stack or Vent Data

19. Inside diameter or dimensions: 1.69 ft.	20. Gas exit temperature: 350 °F
21. Height: 15 ft.	22. Stack serves: <input checked="" type="checkbox"/> This equipment only <input type="checkbox"/> Other equipment also (submit type and rating of all other equipment exhausted through this stack or vent)
23. Gas flow rate: 7050 ft ³ /min	
24. Estimated percent of moisture: ----- %	

Emissions Stream

37. What quantities of pollutants will be emitted from the boiler before controls?

Pollutant	Pounds per Hour lb/hr	grain/ACF	@ °F	PSIA
CO	0.72			
Hydrocarbons				
NO _x	0.9			
Pb				
PM ₁₀	0.031			
SO ₂				
VOCs				
Other (specify) PM	0.065			

38. What quantities of pollutants will be emitted from the boiler after controls?

Pollutant	Pounds per Hour lb/hr	grain/ACF	@ °F	PSIA
CO	0.72			
Hydrocarbons				
NO _x	0.9			
Pb				
PM ₁₀	0.031			
SO ₂				
VOCs				
Other (specify) PM	0.065			

39. How will waste material from the process and control equipment be disposed of?

N/A

40. Have you completed an *Air Pollution Control Device Sheet(s)* for the control(s) used on this Emission Unit.

41. Have you included the **air pollution rates** on the Emissions Points Data Summary Sheet?

42. Proposed Monitoring, Recordkeeping, Reporting, and Testing

Please propose monitoring, recordkeeping, and reporting in order to demonstrate compliance with the proposed operating parameters. Please propose testing in order to demonstrate compliance with the proposed emissions limits.

MONITORING PLAN: Please list (1) describe the process parameters and how they were chosen (2) the ranges and how they were established for monitoring to demonstrate compliance with the operation of this process equipment operation or air pollution control device.

Record keeping of Natrual Gas usage.

TESTING PLAN: Please describe any proposed emissions testing for this process equipment or air pollution control device.

N/A

RECORDKEEPING: Please describe the proposed recordkeeping that will accompany the monitoring.

Monthly gas usage.

REPORTING: Please describe the proposed frequency of reporting of the recordkeeping.

Monthly

43. Describe all operating ranges and maintenance procedures required by Manufacturer to maintain warranty.

N/A

Tabbed Section 10

John Dilorenzo

From: Coccari, Gene M <Gene.M.Coccari@wv.gov>
Sent: Tuesday, March 24, 2015 2:12 PM
To: John Dilorenzo
Cc: Andrews, Edward S
Subject: 205 HP NG Boiler Emissions

Hello-

It is my understanding that Allegheny Wood Products, Inc. (AWP) is planning to install a small NG fired boiler with an 8.715 MMBtu/hr heat input. Emissions for this boiler are calculated using U.S. EPA's AP-42, a "Compilation of Air Pollutant Emission Factors," 5th edition, where Chapter 1 outlines factors for "External Combustion Sources" that can be used to quantify emissions for your boiler. Emission factors for boilers can be viewed at:
www.epa.gov/ttn/chief/ap42/ch01/final/c01s04.pdf.

It is, however, important to realize that the emissions calculated via these factors can be disproportionately larger than if specific information is used. Specifically, Section 1.4 for "Natural Gas Combustion" lists factors for Small Boilers (<100 MMBtu – Uncontrolled), and the emission factor for the largest pollutant is NO_x at 100 lb/10⁶ scf (units are in pounds of pollutant per million standard cubic feet of natural gas fired). In order to calculate emissions, you must calculate the natural gas usage using the natural gas higher heating value of 1,020 Btu per cubic foot. For example, AWP's boiler with a heat input rating of 8.715 MMBtu/hr would use 8544.6 (which per 10⁶ scf would be 0.008544) cubic feet of gas per hour. This 0.008544 figure, multiplied by 100 pounds of NO_x would equal 0.9 pounds of NO_x per hour, which multiplied by 8760 hr/yr would equal 7,484.5 lbs/yr or 3.74 TPY NO_x. Similarly CO, with an emission factor of 84 lb/10⁶ scf would have an hourly rate of 0.72 PPH and 3.14 TPY.

The inflated 0.9 lbs of NO_x per hour is below the Rule 13 threshold of 6 PPH, therefore, it can be handled in a Class II Administrative Update. The sections of the application are essentially the same for this as a typical construction permit, but the fee is only \$300.00. The sections you need to download can be found at: <http://www.dep.wv.gov/daq/permitting/Pages/nsr-forms.aspx> and are as follows:

General Instructions

Authority of Corporation Form

Application for NSR Permits and Title V Operating Permit

Attachment I - Emissions Units Table

Attachment J – Emissions Points Data Summary Sheet

Attachment K – Fugitive Emissions Data Summary Sheet

Example Legal Advertisement

Plot Plan – Guidelines

Attachment L - Indirect Heat Exchange Emissions Unit Data sheet

This e-mail should serve as the calculations to be codified in Attachment N.

Once you complete all these, if you want to send the draft application to me, I will review it for completeness before submittal. If you have any questions, please contact me. Thank you.

Gene M. Coccari

**Environmental Resource Analyst
WV Department of Environmental Protection
Small Business Assistance Program
601 57th Street, SE
Charleston, WV 25304**

ph: (304) 926-0499 ext. 1245

fax: (304) 926-0479

gene.m.coccari@wv.gov

Tabbed Section 11

**AIR QUALITY PERMIT NOTICE
(DRAFT)
Notice of Application**

Notice is given that **Allegheny Wood Products International, Inc.** has applied to the West Virginia Department of Environmental Protection, Division of Air Quality, for a **Class II Administrative Update** for an **addition of a Natural Gas Fired Boiler** located on **East End Moyers Road, in/near Hazelton**, in **Preston** County, West Virginia. The latitude and longitude coordinates are: **Lat.: 39.658476, Lon.: - 079.549030**

The applicant estimates the increased potential to discharge the following Regulated Air Pollutants will be: NOx: 4 TPY, CO: 4 TPY, PM: 1 TPY, PM₁₀: 0.5

Startup of operation is planned to begin on or about the **1** day of **July, 2015**. Written comments will be received by the West Virginia Department of Environmental Protection, Division of Air Quality, 601 57th Street, SE, Charleston, WV 25304, for at least 30 calendar days from the date of publication of this notice.

Any questions regarding this permit application should be directed to the DAQ at (304) 926-0499, extension 1227, during normal business hours.

Dated this the **(Day)** day of **(Month)**, **(Year)**.

By: **Allegheny Wood Products International, Inc.**
E. Thomas Plaucher
VP-Operations
P. O. Box 867
Petersburg, WV 26847

Tabbed Section 12

Attachment R
AUTHORITY OF CORPORATION
OR OTHER BUSINESS ENTITY (DOMESTIC OR FOREIGN)

TO: The West Virginia Department of Environmental Protection,
Division of Air Quality

DATE: April 20, 2015

ATTN.: Director

Corporation's / other business entity's Federal Employer I.D. Number 27-2895233

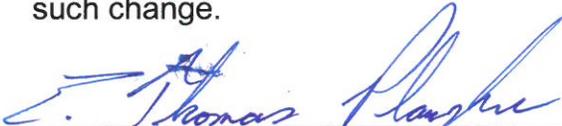
The undersigned hereby files with the West Virginia Department of Environmental Protection, Division of Air Quality, a permit application and hereby certifies that the said name is a trade name which is used in the conduct of an incorporated business or other business entity.

Further, the corporation or the business entity certifies as follows:

(1) E. Thomas Plaughner (is/are) the authorized representative(s) and in that capacity may represent the interest of the corporation or the business entity and may obligate and legally bind the corporation or the business entity.

(2) The corporation or the business entity is authorized to do business in the State of West Virginia.

(3) If the corporation or the business entity changes its authorized representative(s), the corporation or the business entity shall notify the Director of the West Virginia Department of Environmental Protection, Division of Air Quality, immediately upon such change.



President or Other Authorized Officer
(Vice President, Secretary, Treasurer or other
official in charge of a principal business function of
the corporation or the business entity)

(If not the President, then the corporation or the business entity must submit certified minutes or bylaws stating legal authority of other authorized officer to bind the corporation or the business entity).

Secretary

Allegheny Wood Products International, Inc.
Name of Corporation or business entity