



Received
August 28, 2020
WV DEP/Div of Air Quality

ALTIVIA Ketones and Additives, LLC
250 Carbide Road
Dunbar, WV 25064

August 28, 2020

WV DEP Division of Air Quality
601 57th Street, SE
Charleston, West Virginia 25304

Submitted electronically as email attachment to DEPAirQualityReports@wv.gov

Attn: Ms. Laura M. Crowder, Director

RE: ALTIVIA Institute Facilities
Title V Permit R30-03900005-2016 Group 8
Permit Renewal Application

Dear Ms. Crowder,

The ALTIVIA Institute Facilities is comprised of ALTIVIA Services, LLC (Infrastructure) as well as ALTIVIA Ketones and Additives, LLC (Acetone Unit) operations.

Please find enclosed the Title V Permit R30-03900005-2016 Group 8 Permit Renewal Application.

Please direct all mailings to the following address: 1019 Haverhill Ohio – Furnace Rd, PO Box 180, Haverhill OH, 45636, Attn: Jason Patrick.

Very truly yours,

ALTIVIA Ketones and Additives, LLC

Tim Albert
Vice President of Manufacturing
ALTIVIA

Enc

Division of Air Quality Permit Application Submittal

Please find attached a permit application for :
[Company Name; Facility Location]

- DAQ Facility ID (for existing facilities only):
- Current 45CSR13 and 45CSR30 (Title V) permits associated with this process (for existing facilities only):

- Type of NSR Application (check all that apply):
 - Construction
 - Modification
 - Class I Administrative Update
 - Class II Administrative Update
 - Relocation
 - Temporary
 - Permit Determination
- Type of 45CSR30 (TITLE V) Application:
 - Title V Initial
 - Title V Renewal
 - Administrative Amendment**
 - Minor Modification**
 - Significant Modification**
 - Off Permit Change

****If the box above is checked, include the Title V revision information as ATTACHMENT S to the combined NSR/Title V application.**

- Payment Type:
 - Credit Card (Instructions to pay by credit card will be sent in the Application Status email.)
 - Check (Make checks payable to: WVDEP – Division of Air Quality)
Mail checks to:
WVDEP – DAQ – Permitting
Attn: NSR Permitting Secretary
601 57th Street, SE
Charleston, WV 25304

Please wait until DAQ emails you the Facility ID Number and Permit Application Number. Please add these identifiers to your check or cover letter with your check.

- If the permit writer has any questions, please contact (all that apply):

Responsible Official/Authorized Representative

- Name:
- Email:
- Phone Number:

Company Contact

- Name:
- Email:
- Phone Number:

Consultant

- Name:
- Email:
- Phone Number:



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

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INITIAL/RENEWAL TITLE V PERMIT APPLICATION - GENERAL FORMS

Section 1: General Information

1. Name of Applicant (As registered with the WV Secretary of State's Office): ALTIVIA Services, LLC		2. Facility Name or Location: 250 Carbide Road, Dunbar, WV 25064	
3. DAQ Plant ID No.: 0 3 9 — 0 0 6 9 2		4. Federal Employer ID No. (FEIN): 3 0 1 1 5 7 5 6 9	
5. Permit Application Type: <input type="checkbox"/> Initial Permit <input checked="" type="checkbox"/> Permit Renewal <input type="checkbox"/> Update to Initial/Renewal Permit Application When did operations commence? 11/01/2019 What is the expiration date of the existing permit? 02/16/2021			
6. Type of Business Entity: <input type="checkbox"/> Corporation <input type="checkbox"/> Partnership <input type="checkbox"/> Governmental Agency <input type="checkbox"/> Limited Partnership <input checked="" type="checkbox"/> LLC		7. Is the Applicant the: <input type="checkbox"/> Owner <input type="checkbox"/> Operator <input checked="" type="checkbox"/> Both If the Applicant is not both the owner and operator, please provide the name and address of the other party. _____ _____ _____	
8. Number of onsite employees: 65			
9. Governmental Code: <input checked="" type="checkbox"/> Privately owned and operated; 0 <input type="checkbox"/> Federally owned and operated; 1 <input type="checkbox"/> State government owned and operated; 2 <input type="checkbox"/> County government owned and operated; 3 <input type="checkbox"/> Municipality government owned and operated; 4 <input type="checkbox"/> District government owned and operated; 5			
10. Business Confidentiality Claims Does this application include confidential information (per 45CSR31)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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.			

11. Mailing Address		
Street or P.O. Box: 250 Carbide Road		
City: Dunbar	State: WV	Zip: 25064
Telephone Number: (304) 757-1299	Fax Number: () -	

12. Facility Location		
Street: 250 Carbide Road	City: Dunbar	County: Kanawha
UTM Easting: 432.0 km	UTM Northing: 4,248.310 km	Zone: <input checked="" type="checkbox"/> 17 or <input type="checkbox"/> 18
Directions: Adjacent to Route 25, west of Institute, WV.		
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, name the affected state(s). Ohio Kentucky	
Is facility located within 100 km of a Class I Area ¹ ? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If yes, name the area(s).	
If no, do emissions impact a Class I Area ¹ ? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
¹ 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.		

13. Contact Information		
Responsible Official: Tim Albert		Title: Vice President - Manufacturing
Street or P.O. Box: 1019 Haverhill-Ohio Furnace Rd.		
City: Haverhill	State: OH	Zip: 45636
Telephone Number: (740) 533-5200	Fax Number: () -	
E-mail address: talbert@altivia.com		
Environmental Contact: Jason Patrick		Title: EHS Manager
Street or P.O. Box: 1019 Haverhill-Ohio Furnace Rd.		
City: Haverhill	State: OH	Zip: 45636
Telephone Number: (740) 533-5267	Fax Number: () -	
E-mail address: jpatrick@altivia.com		
Application Preparer: Jason Patrick		Title: EHS Manager
Company: ALTIVIA		
Street or P.O. Box: 1019 Haverhill-Ohio Furnace Rd.		
City: Haverhill	State: OH	Zip: 45636
Telephone Number: (740) 533-5267	Fax Number: () -	
E-mail address: jpatrick@altivia.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
Boilers	Steam, Power	325199	2869

Provide a general description of operations.

Boilers Process Description

Two natural gas fired boilers rated with a heat input of 350 MMBtu/hr and a steam output of 252,000 lb/hr per boiler. A third boiler of the same specification has been included in this permit as a future option.

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

18. Applicable Requirements Summary	
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 checked="" 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 type="checkbox"/> Compliance Assurance Monitoring (40CFR64)
<input type="checkbox"/> CAIR NO _x Annual Trading Program (45CSR39)	<input type="checkbox"/> CAIR NO _x Ozone Season Trading Program (45CSR40)
<input type="checkbox"/> CAIR SO ₂ Trading Program (45CSR41)	

19. Non Applicability Determinations
<p>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.</p> <p>SIP/FIP NESHAP Section 111 NSPS – No NSPS standards are applicable Section 112(g) case-by-case MACT Section 112(i) – Early HAP reduction Section 129 – Facilities do not own a solid waste incinerator Section 183(f) – Any tank vessels per section 183(f) are not included NAAQs – Facilities are a permanent source. 45CSR28 – No emissions are banked or traded. 45CSR14 – Facility has no PSD permits. 45CSR19 – Renewal does not trigger thresholds. 112(r) RMP – Not an RMP facility. Section 183 (e) – No 183e listed consumer or commercial products produced. Stratospheric ozone (Title VI) – renewal does not involve any regulated pollutant.</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.

Emission Cap 45CSR section 30-2.6.1 – Facilities have no emission cap agreement.

45CSR27 – Facilities do not have TAP emissions.

45CSR33 – Facilities are not subject to Acid Rain provisions.

40CFR64 – Monitoring requirements have already been established.

45CSR26 - Emissions units in this permit not subject to NOx Budget Trading.

45CSR7 – Determination made for certain sources not meeting the manufacturing source definition

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).

Open Burning 45CSR§6-3.1
Asbestos 40 C.F.R. §61.145(b) and 45CSR34
Odor 45CSR§4-3.1 State-Enforceable only
Standby plan for reducing emissions 45CSR§11-5.2
Emission Inventory – WV Code 22-5-4(a)(14)
Ozone-depleting substances 40 CFR Part 82, Subpart F
Operating permit requirement 45CSR30
Permits for stationary sources 45CSR13
Performance standards for stationary sources 45CSR16
NSPS Subpart IIII 40 CFR 60 Part IIII

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.)

Monitoring – N/A
Testing – WV Code §§ 22-5-4(a)(14-15) and 45CSR13
Recordkeeping Requirements
Monitoring information 45CSR§30-5.1.c.2.A
Retention of records 45CSR§30-5.1.c.2.B
Odors 45CSR§30-5.1.c. State-Enforceable only
Reporting Requirements
Responsible official 45CSR§§30-4, 5.1.c.3.D, and 45CSR§30-5.1.c.3.E
Certified emissions statement 45CSR§30-8
Compliance certification 45CSR§30-5.3.e
Semi-annual monitoring reports 45CSR§30-5.1.c.3.A
Emergencies 45CSR§30-5.7
Deviations 45CSR§30-5.1.c.3.C, 45CSR§30-5.1.c.3.B
New applicable requirements 45CSR§30-4.3.h.1.B
Permit Shield – 45CSR§30-5.6

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 <i>(if any)</i>
R30-03900005-2016 (Group 8 of 8)	01/20/2016	NA
R13-1033	9/1/1988	NA
R13-1248	7/23/1990	NA
G60-C054A	5/26/2015	NA
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22. Inactive Permits/Obsolete Permit Conditions		
Permit Number	Date of Issuance	Permit Condition Number
N/A	N/A	N/A
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Section 3: Facility-Wide Emissions

23. Facility-Wide Emissions Summary [Tons per Year]	
Criteria Pollutants	Potential Emissions
Carbon Monoxide (CO)	157
Nitrogen Oxides (NO _x)	167
Particulate Matter (PM _{2.5}) ¹	23.01
Particulate Matter (PM ₁₀) ¹	23.01
Total Particulate Matter (TSP)	23.01
Sulfur Dioxide (SO ₂)	2.65
Volatile Organic Compounds (VOC)	24.28
Hazardous Air Pollutants²	Potential Emissions
Total HAPs	8.31
Regulated Pollutants other than Criteria and HAP	Potential Emissions
NA	NA

¹PM_{2.5} and PM₁₀ are components of TSP.
²For 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

24. Insignificant Activities (Check all that apply)	
<input checked="" type="checkbox"/>	1. Air compressors and pneumatically operated equipment, including hand tools.
<input checked="" 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 ₂ lasers, used only on metals and other materials which do not emit HAP in the process.
<input type="checkbox"/>	11. Combustion emissions from propulsion of mobile sources, except for vessel emissions from Outer Continental Shelf sources.
<input type="checkbox"/>	12. Combustion units designed and used exclusively for comfort heating that use liquid petroleum gas or natural gas as fuel.
<input 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 checked="" 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 _x , SO ₂ , 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"/>	<p>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.</p> <p>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:</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>
<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 checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" type="checkbox"/>	33. Hydraulic and hydrostatic testing equipment.
<input 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 checked="" type="checkbox"/>	39. Oxygen scavenging (de-aeration) of water.
<input type="checkbox"/>	40. Ozone generators.

24. Insignificant Activities (Check all that apply)	
<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 checked="" 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 checked="" 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 type="checkbox"/>	50. Space heaters operating by direct heat transfer.
<input 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 checked="" 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 checked="" type="checkbox"/>	59. Vents from continuous emissions monitors and other analyzers.

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

25. Equipment Table
Fill out the Title V Equipment Table and provide it as ATTACHMENT D .
26. Emission Units
For each emission unit listed in the Title V Equipment Table , fill out and provide an Emission Unit Form as ATTACHMENT E .
For each emission unit not in compliance with an applicable requirement, fill out a Schedule of Compliance Form as ATTACHMENT F .
27. Control Devices
For each control device listed in the Title V Equipment Table , fill out and provide an Air Pollution Control Device Form as ATTACHMENT G .
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 Compliance Assurance Monitoring (CAM) Form(s) for CAM applicability. Fill out and provide these forms, if applicable, for each Pollutant Specific Emission Unit (PSEU) as ATTACHMENT H .

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: Tim Albert

Title: Vice President - Manufacturing

Responsible official's signature:

Signature: 

Signature Date: August 28, 2020

(Must be signed and dated in blue ink)

Received
August 28, 2020
WV DEP/Div of Air Quality

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

- ATTACHMENT A: Area Map
- ATTACHMENT B: Plot Plan(s)
- ATTACHMENT C: Process Flow Diagram(s)
- ATTACHMENT D: Equipment Table
- ATTACHMENT E: Emission Unit Form(s)
- ATTACHMENT F: Schedule of Compliance Form(s)
- ATTACHMENT G: Air Pollution Control Device Form(s)
- ATTACHMENT H: Compliance Assurance Monitoring (CAM) Form(s)

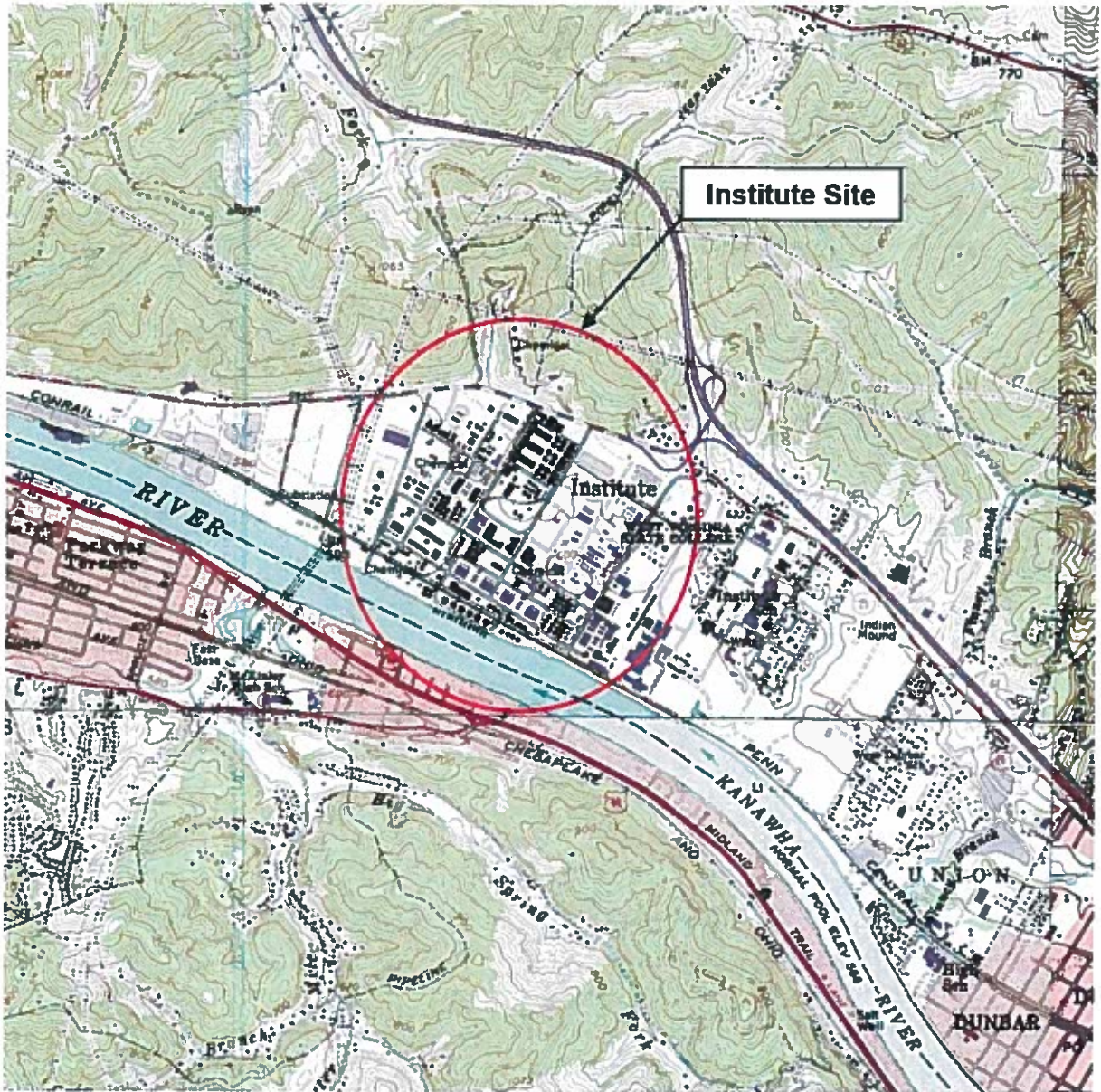
All of the required forms and additional information can be found and downloaded from, the DEP website at www.dep.wv.gov/dag, requested by phone (304) 926-0475, and/or obtained through the mail.

ALTIVIA Services, LLC
Title V Renewal Application
Group 8 – Boilers

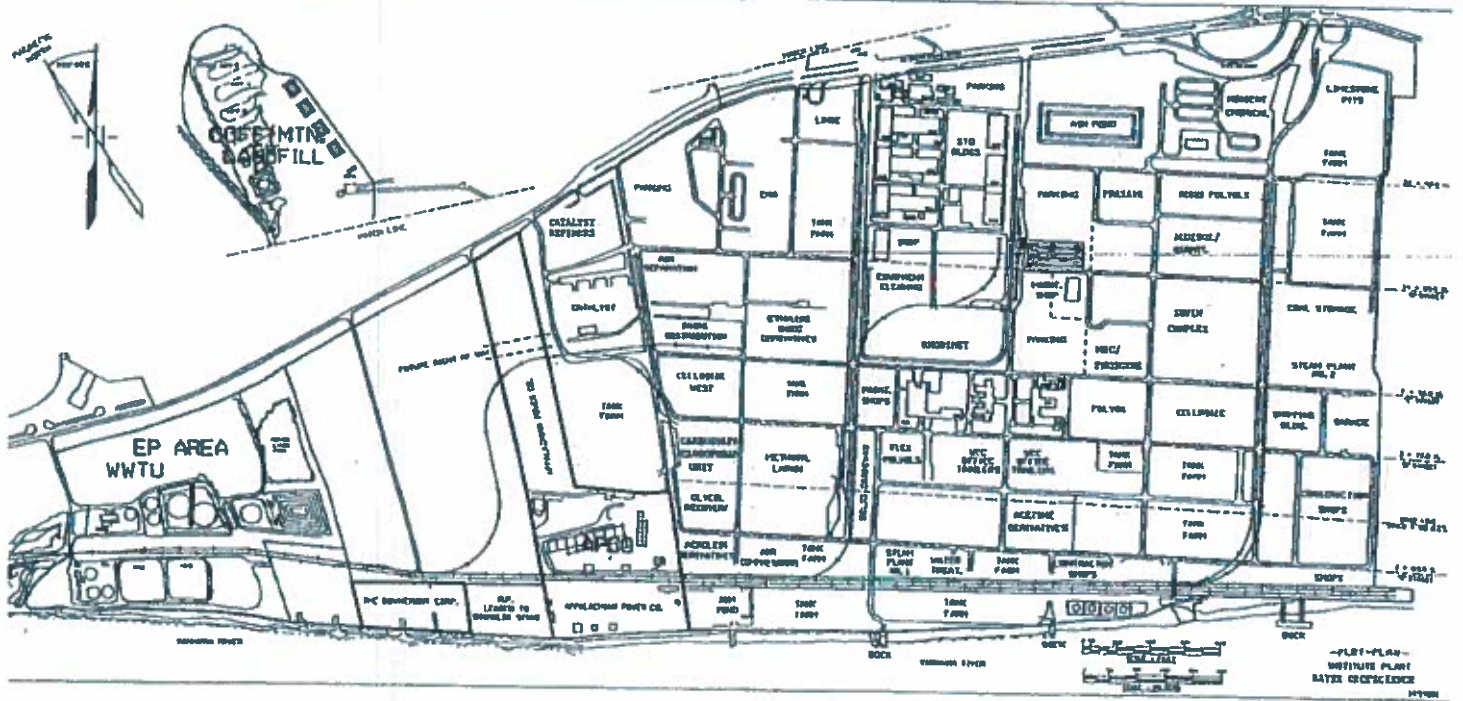
Table of Contents

ATTACHMENT A	Area Map
ATTACHMENT B	Plot Plan
ATTACHMENT C	Process Flow Diagrams
ATTACHMENT D	Equipment Tables
ATTACHMENT E	Emission Unit Forms

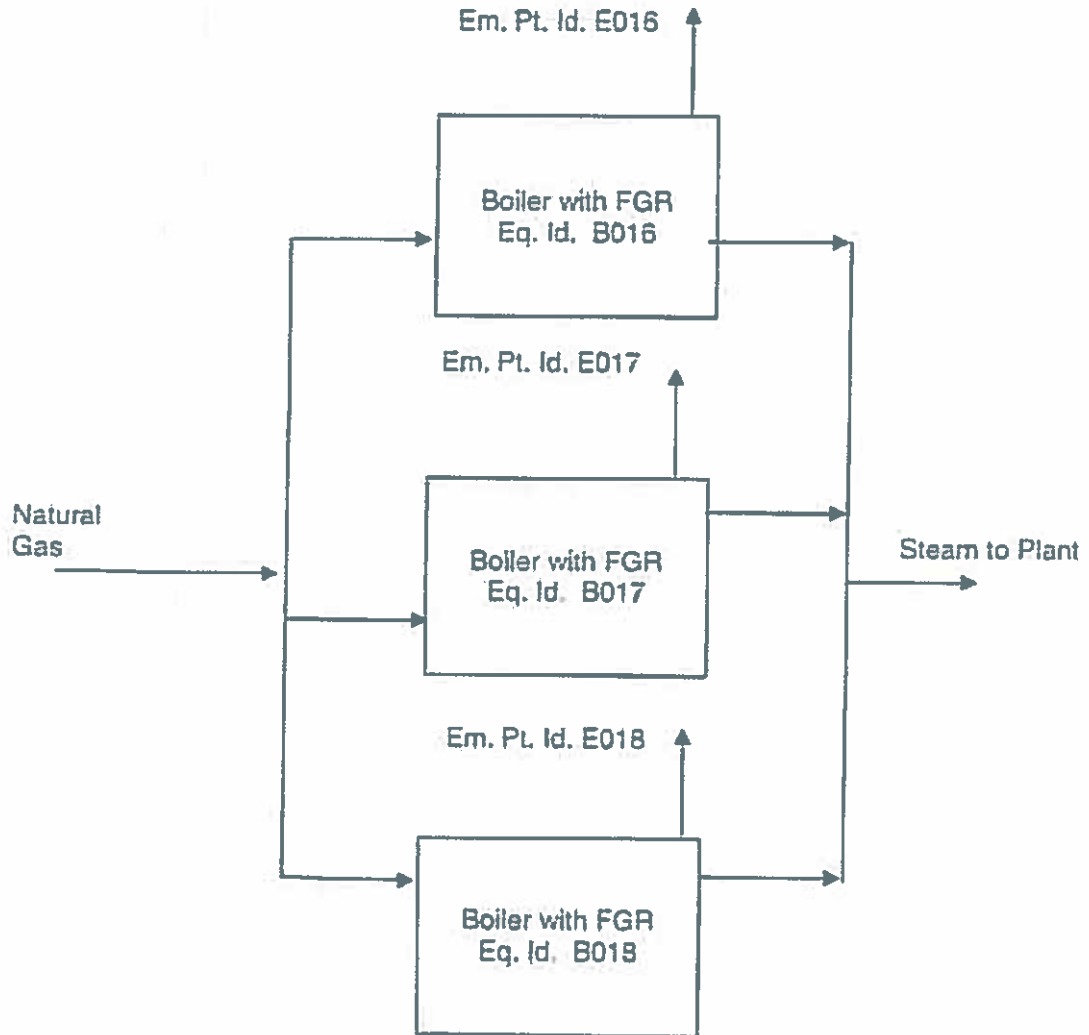
Attachment A Area Map



Attachment 2 - Plot Plan



Attachment C – Process Flow Diagram



**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 ID¹	Control Device¹	Emission Unit ID¹	Emission Unit Description	Design Capacity	Year Installed/Modified
E016	None	B016	Boiler 16: Industrial Boiler Natural gas fired boiler with low-NOx burner	350 MMBtu/hr	2017
E017	None	B017	Boiler 17: Industrial Boiler Natural gas fired boiler with low-NOx burner	350 MMBtu/hr	2017
E018	None	B018	Boiler 18: Industrial Boiler Natural gas fired boiler with low-NOx burner	350 MMBtu/hr	Future

¹For 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.

Title V Equipment Table (equipment_table.doc)

Page 1 of 1

Revised 4/11/07

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number: B-016	Emission unit name: Boiler 16 Industrial Boiler	List any control devices associated with this emission unit: None
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Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Boiler 16 Industrial Boiler, 350 mMBtu Natrual Gas with Low NOx Burner

Manufacturer:	Model number:	Serial number:
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Construction date: 09/ /2015	Installation date: MM/DD/ 2017	Modification date(s): MM/DD/YYYY
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Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

350 MMBtu/Hr

Maximum Hourly Throughput: 250,000 pph, 400 psig	Maximum Annual Throughput:	Maximum Operating Schedule: 8760 hrs.
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Fuel Usage Data (fill out all applicable fields)

Does this emission unit combust fuel? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, is it? <input type="checkbox"/> Indirect Fired <input checked="" type="checkbox"/> Direct Fired
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Maximum design heat input and/or maximum horsepower rating: 350 MMBTU/Hr	Type and Btu/hr rating of burners: 350 MMBtu/Hr
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List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.

Natural Gas

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Natural Gas	2,000 gr/MMcf	None	950 - 1,250 Btu per cf

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	12.0	52.4
Nitrogen Oxides (NO _x)	12.7	55.6
Lead (Pb)	0.0002	0.0007
Particulate Matter (PM _{2.5})	1.75	7.67
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)	0.20	0.88
Volatile Organic Compounds (VOC)	1.85	8.09
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
HAP	0.63	2.77
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimates

Applicable Requirements

List all applicable requirements for this emission unit. 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). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

R13-3331-B including all regulatory references listed in the NSR Permit.

Permit Shield

For all 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 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.)

Monitoring

- 4.2.1- Record operation hours and natural gas usage.
- 4.2.2 - Maintain natural gas usage records.
- 4.2.3 – Maintain CEMS monitoring equipment.

Recordkeeping

- 4.4.1- Maintain monitoring records.
- 4.4.2 - Maintain maintenance records.
- 4.4.3 - Maintain malfunction records for air pollution control equipment.
- 4.4.4 - Maintain tune-up records.
- 4.4.5 - Maintain records for Boiler 16,17 and 18 to include average NOx emission rates and other listed requirements.

Reporting

- 4.5.4 - Submit 5-Year Compliance Reports for Boilers 16,17 and 18 using EPACDX database system.
- 4.5.4 - Submit NOx CEMS performance evaluation for Boilers 16, 17 and 18
- 5.5.6 - Submit semi-annual reports for Boilers 16, 17 and 18.

Are you in compliance with all applicable requirements for this emission unit? Yes No

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number: B-017	Emission unit name: Boiler 17 Industrial Boiler	List any control devices associated with this emission unit: None
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Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Boiler 17 Industrial Boiler, 350 mmBtu Natrual Gas with Low NOx Burner

Manufacturer:	Model number:	Serial number:
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Construction date: 09/00/2015	Installation date: MM/DD/ 2017	Modification date(s): MM/DD/YYYY
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Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

350 MMBtu/Hr

Maximum Hourly Throughput: 250,000 pph, 400 psig	Maximum Annual Throughput:	Maximum Operating Schedule: 8760 hrs.
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Fuel Usage Data (fill out all applicable fields)

Does this emission unit combust fuel? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, is it? <input type="checkbox"/> Indirect Fired <input checked="" type="checkbox"/> Direct Fired
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Maximum design heat input and/or maximum horsepower rating: 350 MMBTU/Hr	Type and Btu/hr rating of burners: 350 MMBtu/Hr
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List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.
Natural Gas

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Natural Gas	2,000 gr/MMcf	None	950 - 1,250 Btu per cf

<i>Emissions Data</i>		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	12.0	52.4
Nitrogen Oxides (NO _x)	12.7	55.6
Lead (Pb)	0.0002	0.0007
Particulate Matter (PM _{2.5})	1.75	7.67
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)	0.20	0.88
Volatile Organic Compounds (VOC)	1.85	8.09
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
HAP	0.63	2.77
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimates

Applicable Requirements

List all applicable requirements for this emission unit. 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). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

R13-3331-B including all regulatory references listed in the NSR Permit.

___ Permit Shield

For all 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 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.)

Monitoring

- 4.2.1- Record operation hours and natural gas usage.
- 4.2.2 - Maintain natural gas usage records.
- 4.2.3 – Maintain CEMS monitoring equipment.

Recordkeeping

- 4.4.1- Maintain monitoring records.
- 4.4.2 - Maintain maintenance records.
- 4.4.3 - Maintain malfunction records for air pollution control equipment.
- 4.4.4 - Maintain tune-up records.
- 4.4.5 - Maintain records for Boiler 16,17 and 18 to include average NOx emission rates and other listed requirements.

Reporting

- 4.5.4 - Submit 5-Year Compliance Reports for Boilers 16,17 and 18 using EPACDX database system.
- 4.5.4 - Submit NOx CEMS performance evaluation for Boilers 16, 17 and 18
- 5.5.6 - Submit semi-annual reports for Boilers 16, 17 and 18.

Are you in compliance with all applicable requirements for this emission unit? ___Yes ___No

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

ATTACHMENT E - Emission Unit Form

Emission Unit Description

Emission unit ID number: B-018	Emission unit name: Boiler 18 Industrial Boiler	List any control devices associated with this emission unit: None
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Provide a description of the emission unit (type, method of operation, design parameters, etc.):

Boiler 18 Industrial Boiler, 350 mMBtu Natrual Gas with Low NOx Burner

Manufacturer:	Model number:	Serial number:
Construction date: 09/00/2015	Installation date: MM/DD/YYYY	Modification date(s): MM/DD/YYYY

Design Capacity (examples: furnaces - tons/hr, tanks - gallons):

350 MMBtu/Hr

Maximum Hourly Throughput: 250,000 pph, 400 psig	Maximum Annual Throughput:	Maximum Operating Schedule: 8760 hrs.
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Fuel Usage Data (fill out all applicable fields)

Does this emission unit combust fuel? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If yes, is it? <input type="checkbox"/> Indirect Fired <input checked="" type="checkbox"/> Direct Fired
Maximum design heat input and/or maximum horsepower rating: 350 MMBTU/Hr	Type and Btu/hr rating of burners: 350 MMBtu/Hr

List the primary fuel type(s) and if applicable, the secondary fuel type(s). For each fuel type listed, provide the maximum hourly and annual fuel usage for each.
Natural Gas

Describe each fuel expected to be used during the term of the permit.

Fuel Type	Max. Sulfur Content	Max. Ash Content	BTU Value
Natural Gas	2,000 gr/MMcf	None	950 - 1,250 Btu per cf

Emissions Data		
Criteria Pollutants	Potential Emissions	
	PPH	TPY
Carbon Monoxide (CO)	12.0	52.4
Nitrogen Oxides (NO _x)	12.7	55.6
Lead (Pb)	0.0002	0.0007
Particulate Matter (PM _{2.5})	1.75	7.67
Particulate Matter (PM ₁₀)		
Total Particulate Matter (TSP)		
Sulfur Dioxide (SO ₂)	0.20	0.88
Volatile Organic Compounds (VOC)	1.85	8.09
Hazardous Air Pollutants	Potential Emissions	
	PPH	TPY
HAP	0.63	2.77
Regulated Pollutants other than Criteria and HAP	Potential Emissions	
	PPH	TPY

List the method(s) used to calculate the potential emissions (include dates of any stack tests conducted, versions of software used, source and dates of emission factors, etc.).

Engineering Estimates

Applicable Requirements

List all applicable requirements for this emission unit. 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). If an emission limit is calculated based on the type of source and design capacity or if a standard is based on a design parameter, this information should also be included.

R13-3331-B including all regulatory references listed in the NSR Permit.

___ Permit Shield

For all 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 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.)

Monitoring

4.2.1- Record operation hours and natural gas usage.

4.2.2 - Maintain natural gas usage records.

4.2.3 - Maintain CEMS monitoring equipment. Testing

4.3.1-Initial performance testing for Boiler 18 within 180 days after startup.

4.3.2 - Conduct performance test for CEMS monitoring for Boiler 18 within 60 days of achieving maximum production rate.

Recordkeeping

4.4.1- Maintain monitoring records.

4.4.2 - Maintain maintenance records.

4.4.3 - Maintain malfunction records for air pollution control equipment.

4.4.4 - Maintain tune-up records.

4.4.5 - Maintain records for Boiler 16,17 and 18 to include average NOx emission rates and other listed requirements.

Reporting

4.5.2 - Submit Initial Notification for Boiler 18 within 15 days of startup.

4.5.4 - Submit 5-Year Compliance Reports for Boilers 16,17 and 18 using EPACDX database system.

4.5.4 - Submit NOx CEMS performance evaluation for Boilers 16, 17 and 18

5.5.6 - Submit semi-annual reports for Boilers 16, 17 and 18.

Are you in compliance with all applicable requirements for this emission unit? ___Yes ___No

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