

February 5, 2014

Mr. John Benedict, Director
WVDEP - Division of Air Quality
601 57th Street
Charleston, WV 25304

Overnight Delivery

**Alliant Techsystems Operations LLC
ATK Missile Subsystems & Components Division
Allegany Ballistics Laboratory
WVDAQ ID# 057-00011**

REFERENCE: Permit R30-05700011-2009 Part 3 of 3 (Issued August 10, 2009)

SUBJECT: Title V Permit Renewal Application


Dear Director Benedict:

ATK Missile Subsystems & Components Division – Allegany Ballistics Laboratory hereby submits the enclosed application for renewal of the referenced Title V permit. We believe the enclosed renewal application contains the appropriate elements as indicated by the DAQ's "Title V Permit Application Checklist for Administrative Completeness".

Should you have additional questions regarding this submittal please contact Sue Ellen Foor, Environmental Engineer, at 304-726-5506 or Suee.Foor@atk.com; or Jill Lyon, Environmental Engineer, at 304-726-7984 or Jill.Lyon@atk.com.

Very truly yours,

ATK Missile Subsystems & Components
Allegany Ballistics Laboratory


Patrick Nolan
V.P. & G.M. – ABL Operations

Enclosures



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

1. Name of Applicant (As registered with the WV Secretary of State's Office): Alliant Techsystems Operations LLC	2. Facility Name or Location: Allegany Ballistics Laboratory
3. DAQ Plant ID No.: 0 5 7 — 0 0 0 1 1	4. Federal Employer ID No. (FEIN): 27-4026908
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? MM/DD/1946 What is the expiration date of the existing permit? 04/20/2014	
6. Type of Business Entity: <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Governmental Agency <input type="checkbox"/> LLC <input type="checkbox"/> Partnership <input type="checkbox"/> Limited Partnership	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. <u>Naval Sea Systems Command (NAVSEA)</u> <u>1333 Isaac Hull Ave SE - Washington Naval Yard</u> <u>Washington, DC</u>
8. Number of onsite employees: ~1100	
9. Governmental Code: Facility is owned by the Navy and operated by Alliant Techsystems. <input type="checkbox"/> Privately owned and operated; 0 <input type="checkbox"/> County government owned and operated; 3 <input type="checkbox"/> Federally owned and operated; 1 <input type="checkbox"/> Municipality government owned and operated; 4 <input type="checkbox"/> State government owned and operated; 2 <input type="checkbox"/> District government owned and operated; 5	

10. 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.

11. Mailing Address		
Street or P.O. Box: 210 State Route 956		
City: Rocket Center	State: WV	Zip: 26726-3548
Telephone Number: (304) 726-5506		Fax Number: (304) 726-5562

12. Facility Location		
Street: 210 State Route 956	City: Rocket Center	County: Mineral
UTM Easting: 686.47 km	UTM Northing: 4,381.25 km	Zone: <input checked="" type="checkbox"/> 17 or <input type="checkbox"/> 18
Directions: Turn left off of WV State Route 956 onto plant access road just after crossing bridge into West Virginia.		
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). MD, PA, VA
Is facility located within 100 km of a Class I Area¹? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If no, do emissions impact a Class I Area¹? <input type="checkbox"/> Yes <input type="checkbox"/> No		If yes, name the area(s). Dolly Sods, Otter Creek, Shenandoah National Park
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: Patrick Nolan		Title: V.P. & G.M. – ABL Operations
Street or P.O. Box: 210 State Route 956		
City: Rocket Center	State: WV	Zip: 26726-3548
Telephone Number: (304) 726-5200	Fax Number: (304) 726-5183	
E-mail address: Pat.Nolan@atk.com		
Environmental Contact: Sue Ellen Foor OR Jill Lyon		Title: Environmental Engineer
Street or P.O. Box: 210 State Route 956		
City: Rocket Center	State: WV	Zip: 26726-3548
Telephone Number: (304) 726-5506 (304) 726-7984	Fax Number: (304) 726-5562	
E-mail address: <u>Suee.foor@atk.com</u> OR <u>Jill.Lyon@atk.com</u>		
Application Preparer: Sue Ellen Foor AND Jill Lyon		Title: Environmental Engineer
Company: Alliant Techsystems Operations LLC Allegany Ballistics Laboratory (ABL)		
Street or P.O. Box: 210 State Route 956		
City: Rocket Center	State: WV	Zip: 26726-3548
Telephone Number: (304) 726-5506 (304) 726-7984	Fax Number: (304) 726-5562	
E-mail address: <u>Suee.foor@atk.com</u> OR <u>Jill.Lyon@atk.com</u>		

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
Rocket Motor Manufacture	Rocket motors, metal rocket cases, composite rocket cases	336415	3764
F-22 Composites Manufacturing	Pivot shafts and obturator plates for F-22	336413	3728
Electronic Fuzing and Ammunition	Medium caliber ammunition (not loaded), proximity switches, and multiple fuze products for DoD	332995	3489
American Centrifuge Project Composite Production	Reinforced fiber composite components to be used by DOE	326199	3069

NOTE: Part 3 of this permit covers auxiliary operations or miscellaneous processes that are not included in either rocket motor manufacturing (Part 1), composite structures, or metal fabrication (Part 2). For purposes of this permit, these processes include Electronic Fuzing operations, Research and Analytical operations, Maintenance operations (steam generating units, water and waste water treatment units, and emergency generators), and miscellaneous manufacturing processes (TPEG manufacturing, storage tanks, static firing range, X-ray processes, waste storage, and aluminum preparation processes).

Provide a general description of operations.

Naval Industrial Reserve Ordnance Plant (NIROP)/Allegany Ballistics Laboratory (ABL) is a facility which is operated by Alliant Techsystems Operations LLC (ATK) (headquarters in Edina, Minnesota) under the company name of Missile Products Group – ATK Missile Subsystems & Components. The majority of the facility is owned by the U.S. Navy and is operated by ATK under a facilities use contract (~1571 acres designated as Plant 1). 57 acres is owned and operated by ATK and is designated as Plant 2. Approximately 500 acres of Plant 1 are developed. The remaining acreage is undeveloped at this time.

Operations at the plant include:

- metal fabrication of rocket motor and warhead cases;
- metal fabrication of tank ammunition training rounds;
- manufacture of composite material rocket motor and warhead cases;
- manufacture of composite material aircraft components;
- manufacture of composite products for Department of Energy
- preparation of cases for addition of explosives;
- mixing, casting, curing, and associated operations with propellants and explosives;
- static firing of rocket motors;
- open burning of waste propellants and explosives;
- development and production of laser firing devices;
- analytical and research & development laboratories;
- explosive loading and packing operations for tank ammunition;
- x-ray testing; and
- maintenance and utility operations.

In addition, to these operations, the site is also home to the Robert C. Byrd Institute for Machining.

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 checked="" type="checkbox"/> SIP	<input type="checkbox"/> FIP
<input checked="" type="checkbox"/> Minor source NSR (45CSR13)	<input type="checkbox"/> PSD (45CSR14)
<input checked="" type="checkbox"/> NESHAP (45CSR15)	<input type="checkbox"/> Nonattainment NSR (45CSR19)
<input checked="" 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 checked="" 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 checked="" 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

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.

45CSR21– Regulation to Prevent and Control Air Pollution from the Emission of Volatile Organic Compounds. The facility is not located in a county that is currently subject to 45CSR21, and is therefore currently exempt from this regulation.

40CFR63, Subpart GG, Section 63.745 – National Emission Standards for Aerospace Manufacturing Operations. The painting operations at this facility are exempted from Section 63.745 Primer and Topcoat operations because Specialty Coatings (definition per 63.742) are used for all painting operations. Specialty Coating applications are covered by Control Technology Guidelines (CTG) EPA-453/R-97-004 enacted under 45CSR21 for RACT control of VOCs. However, the facility is not located in an area that is subject to 45CSR21, and is therefore, not subject to any CTG guidelines for Specialty Coating application.

40CFR63, Subpart PPP – National Emission Standards for Polyether Polyol Production. The facility manufactures Terathane Polyethylene Glycol Block Copolymer (TPEG), which is a Polyether Polyol. However, the operation is exempted from this MACT because there are no HAPs used or generated during the manufacturing operation.

40CFR63, Subpart GGGGG – National Emission Standards for Site Remediation. The facility currently has one site under remediation for groundwater contamination. This site is a Superfund site and is thus exempt from the MACT requirements. The facility also has a second site, which will begin remediation as part of a RCRA corrective action program within the next year. This second site would also be exempted since it is being conducted under a RCRA corrective action permit. In addition, neither site would generate emissions of more than 1 megagram per year of HAPs.

40CFR63, Subpart PPPPP – National Emission Standards for Hazardous Air Pollutants from Engine Test Sells/Stands (05/27/03)- This rule applies to the X-Range Static Rocket Motor Firing facility (Group 00Q). However, per 40CFR63.9290(b) & (d)(2) it is exempt from the requirements of this Subpart due to facility was existing source on May 14, 2002 (partially modified in summer of 2002, Source Q-3S) and also, it is used exclusively for rocket motors testing.

40CFR63, Subpart WWWW – National Emission Standards for Reinforced Plastic Composites Manufacturing. The facility manufactures composite based rocket motor chambers and aircraft components. However, the facility is exempt from this MACT because none of the resin or fiber systems used, contain HAPs.

40CFR63, Subpart ZZZZ - National Emission Standards for Reciprocating Internal Combustion Engines (RICE). The facility is a Major Source for HAPs and all of generators that fall under the MACT are for emergency purposes only and are exempt under 63.6640(f)(1-4).

☒ 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.

See above.

☒ 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).

45CSR6-3.1. & 3.2. Open burning & open burning exemptions.
40CFR61 Subpart M - 61.145, 61.148, & 61.150. Asbestos.
45CSR4-3.1. & 45CSR13, R13-2680, 4.1.10 [State-Enforceable only.] Odors.
45CSR11-5.2. Standby plan for reducing emissions.
WV Code § 22-5-4(a)(14) Emission inventory.
40 CFR Part 82, Subpart F Ozone-depleting substances.
40 CFR Part 68 Risk Management Plan.
45CSR7-3.1. Visible emissions from any storage structures.
45CSR7-4.1. Fugitive particulate matter.
45CSR7-4.12. Stack flow straightening devices or a sufficient vertical run.
45CSR 7-5.1 & 5.2 Fugitive particulate matter.
45CSR13 Stack testing.
45CSR42§42-3.1 Greenhouse Gas emissions.
45CSR§30-5.1.c. Visible emissions.
WV Code 22-5-4(a)(15) & 45CSR13. Stack testing
45CSR§30-5.1.c.2.A. Monitoring information
45CSR§30-5.1.c.2.B. Retention of records.
45CSR§30-5.1.c. Maintain records of odors, visible emissions, and fugitive dust
45CSR§§30-4.4. & 5.1.c.3.D. Responsible official.
45CSR31, 45CSR§30-5.1.c.3.E. Confidential business information.
45CSR§30-8. Certified emissions statement.
45CSR§30-5.3.e. Compliance certification.
45CSR§30-5.1.c.3.A. Semi-annual monitoring reports.
45CSR§30-5.7. Emergencies.
45CSR§30-5.1.c.3. Deviations.
45CSR30-4.3.h.1.B. New applicable requirements.
45CSR§42-4.1., 4.2, & 4.5 Greenhouse Gas Reporting requirements

☒ 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.)

45CSR6-3.1. & 3.2. Open burning & open burning exemptions – Compliance is demonstrated by Condition#s 3.1.1 & 3.1.2.

40CFR61 Subpart M - 61.145, 61.148, and 61.150 Asbestos – Compliance is demonstrated by Condition# 3.1.3.

45CSR4-3.1.; 45CSR§30-5.1.c. Odors – Compliance is demonstrated by Condition#s 3.1.4 & 3.4.3.

45CSR11-5.2. Standby plan for reducing emissions – Compliance is demonstrated by Condition# 3.1.5.

WV Code § 22-5-4(a)(14) Emission inventory – Compliance is demonstrated by Condition# 3.1.6.

40 CFR Part 82, Subpart F Ozone-depleting substances – Compliance is demonstrated by Condition# 3.1.7.

40 CFR Part 68 Risk Management Plan – Compliance is demonstrated by Condition# 3.1.8.

40CFR63, Subpart GG – National Emission Standards for Aerospace Manufacturing Operations – Compliance is demonstrated by Condition# 3.1.9; 3.2.4; 3.4.5; 3.5.10.

45CSR7-3.7. Visible emissions from any storage structures – Compliance is demonstrated by Condition# 3.1.10; 3.2.1.

45CSR7-5.1. & 5.2.; 45CSR§30-5.1.c. Fugitive particulate matter – Compliance is demonstrated by Condition#s 3.1.10; 3.2.2; 3.2.3; 3.4.4; 3.4.7.

45CSR7-4.12. Stack flow straightening devices or a sufficient vertical run – Compliance is demonstrated by Condition# 3.1.11.

45CSR§30-5.1.c. Visible emissions and Fabric Filter checks – Compliance is demonstrated by Condition# 3.2.1; 3.2.2; 3.2.3; 3.4.4; 3.4.7; 3.5.11.

WV Code § 22-5-4(a)(15) and 45CSR13 Stack testing – Compliance is demonstrated by Condition# 3.3.1-3.3.4.

45CSR§30-5.1.c.2.A. Monitoring information – Compliance is demonstrated by Condition# 3.4.1.

45CSR§30-5.1.c.2.B. Retention of records – Compliance is demonstrated by Condition# 3.4.2.

45CSR Special Coatings Definition for Exemption – Compliance is demonstrated by Condition# 3.4.6

45CSR§30-4.4. and 5.1.c.3.D. Responsible official – Compliance is demonstrated by Condition# 3.5.1.

45CSR31, 45CSR§30-5.1.c.3.E. Confidential business information– Compliance is demonstrated by Condition# 3.5.2.

45CSR§30-8. Certified emissions statement – Compliance is demonstrated by Condition# 3.5.4.

45CSR§30-5.3.e. Compliance certification – Compliance is demonstrated by Condition# 3.5.5.

45CSR§30-5.1.c.3.A. Semi-annual monitoring reports – Compliance is demonstrated by Condition# 3.5.6.

45CSR§30-5.7. Emergencies – Compliance is demonstrated by Condition# 3.5.7.

45CSR§30-5.1.c.3. Deviations – Compliance is demonstrated by Condition# 3.5.8.

45CSR30-4.3.h.1.B. New applicable requirement – Compliance is demonstrated by Condition# 3.5.9.

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 (Part 1 of 3 only)

Permit or Consent Order Number	Date of Issuance MM/DD/YYYY	List any Permit Determinations that Affect the Permit <i>(if any)</i>
R13-0974A	05/23/2001	
R13-1771B	04/27/2004	
R13-2023B	04/14/2009	Currently being modified to combine with R13-2606A to convert both boilers to natural gas with #2FO backup. The permit writer is Ed Andrews.
R13-2301A	07/13/2001	
R13-2606A	01/28/2006	Currently being modified to combine with R13-2023B to convert both boilers to natural gas with #2FO backup. The permit writer is Ed Andrews.
G60-C020	09/30/2010	

22. Inactive Permits/Obsolete Permit Conditions

Permit Number	Date of Issuance	Permit Condition Number
	MM/DD/YYYY	
	/ /	

Section 3: Facility-Wide Emissions

23. Facility-Wide Emissions Summary [Tons per Year]	
Criteria Pollutants	Potential Emissions
Carbon Monoxide (CO)	122.12
Nitrogen Oxides (NO _x)	124.29
Lead (Pb)	0.33
Particulate Matter (PM _{2.5}) ¹	11.80
Particulate Matter (PM ₁₀) ¹	22.33
Total Particulate Matter (TSP)	42.62
Sulfur Dioxide (SO ₂)	289.14
Volatile Organic Compounds (VOC)	110.44
Hazardous Air Pollutants²	Potential Emissions
Antimony compounds	0.154
Benzene	0.0414
Beryllium	0.0001
Cadmium compounds	0.0015
Chromium compounds	0.0277
Cobalt	0.0091
Diocetyl phthalate	0.3439
Ethyl benzene	0.3456
Ethylene glycol	0.0464
Formaldehyde	0.0047
Glycol ethers	4.4905
Hexane	0.3459
Hydrochloric acid	26.7135
Hydrogen fluoride	2.1935
Isocyanates (mixed)	0.0376
Lead (Pb)	0.33
Lead compounds	0.3298

Mercury	0.0014
Methanol	0.4742
Methyl isobutyl ketone	1.43
Methyl t-butyl ether	0.1193
Methylene chloride	1.995
Nickel	0.1685
Phenol	0.0497
Strontium chromate	0.0017
Styrene	0.2167
TCE	0.0112
Toluene	14.5305
Trichloroethylene	0.0112
Xylene	3.2068
Zinc chromate	0.0001
Regulated Pollutants other than Criteria and HAP	Potential Emissions
NA	NA
¹ PM _{2.5} and PM ₁₀ are components of TSP. ² 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

24. Insignificant Activities (Check all that apply)	
<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 ₂ 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 checked="" 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 checked="" type="checkbox"/>	<p>19. Emission units which do not have any applicable requirements and which emit criteria pollutants (CO, NO_x, SO₂, 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.</p> <p>Please specify all emission units for which this exemption applies along with the quantity of criteria pollutants emitted on an hourly and annual basis:</p> <p><u>Gasoline and diesel small storage tanks – VOC < 1.0 lb/hr & <0.1 tpy</u></p> <p><u>Gasoline and diesel fuel dispensing pumps – VOC < 1.0 lb/hr & <0.1 tpy</u></p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>

24. Insignificant Activities (Check all that apply)

- ☐ 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:

- ☐ 21. Environmental chambers not using hazardous air pollutant (HAP) gases.
- ☒ 22. Equipment on the premises of industrial and manufacturing operations used solely for the purpose of preparing food for human consumption.
- ☐ 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.
- ☒ 24. Equipment used for quality control/assurance or inspection purposes, including sampling equipment used to withdraw materials for analysis.
- ☒ 25. Equipment used for surface coating, painting, dipping or spray operations, except those that will emit VOC or HAP.
- ☒ 26. Fire suppression systems.
- ☒ 27. Firefighting equipment and the equipment used to train firefighters.
- ☐ 28. Flares used solely to indicate danger to the public.
- ☒ 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.
- ☒ 30. Hand-held applicator equipment for hot melt adhesives with no VOC in the adhesive formulation.
- ☒ 31. Hand-held equipment for buffing, polishing, cutting, drilling, sawing, grinding, turning or machining wood, metal or plastic.
- ☒ 32. Humidity chambers.
- ☒ 33. Hydraulic and hydrostatic testing equipment.
- ☐ 34. Indoor or outdoor kerosene heaters.
- ☒ 35. Internal combustion engines used for landscaping purposes.
- ☒ 36. Laser trimmers using dust collection to prevent fugitive emissions.
- ☒ 37. Laundry activities, except for dry-cleaning and steam boilers.
- ☒ 38. Natural gas pressure regulator vents, excluding venting at oil and gas production facilities.
- ☒ 39. Oxygen scavenging (de-aeration) of water.
- ☐ 40. Ozone generators.
- ☒ 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

24. Insignificant Activities (Check all that apply)	
	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 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 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 checked="" 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: Patrick S. Nolan

Title: V.P. & G. M. – ABL Operations

Responsible official's signature:

Signature: 

Signature Date: 2/6/14

(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/dag, requested by phone (304) 926-0475, and/or obtained through the mail.