

**CLASS II ADMINISTRATIVE UPDATE APPLICATION
FOR A PORTABLE AIR COMPRESSOR AT THE
MARTINSBURG, WEST VIRGINIA PORTLAND CEMENT
PLANT**

Submitted by:
Argos USA LLC
Martinsburg Plant
1826 S. Queen Street
Martinsburg, WV 25401

Submitted to:
West Virginia Department of Environmental Protection
Division of Air Quality
601 57th Street
Charleston, WV 25304

Prepared by:

SPECTRUM
Environmental Sciences, Inc.
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1.0 INTRODUCTION AND APPLICATION CLASSIFICATION

1.1 Introduction

This Class II Administrative Update Application (Application) is being submitted to the West Virginia Department of Environmental Protection (WVDEP) Division of Air Quality (DAQ) by the Argos USA LLC (Argos) Martinsburg Portland cement Plant (Plant). This Application is being submitted in order to obtain permission for the construction and operation of a new portable air compressor.

The Application is organized in the following sections:

Section 2: Project Description

Section 3: NSR Applicability Analysis

Additionally, this Application contains the following Appendices:

Appendix A: NSR Permit and Title V Permit Revision Application Forms and Attachments

Appendix B: Electronic Copy of the Application

1.2 Application Classification

This Application is proposed to be classified as a Class II Administrative Update Application. The modifications being proposed as part of this Application result in a net increase in emissions as shown by Attachment N, Table N-1. Per 45 CSR 13, any proposed change that results in a net increase in emissions of criteria air pollutants that is greater than **both** 6 lbs/hr and 10 tons/year **or** 144 lbs/day is required to submit a Modification Permit Application. If the proposed changes result in a net increase of emissions which are less than these modification thresholds, then a Class II Administrative Update Application is only required to be submitted. As shown in Attachment N, Table N-1, the new air compressor engine will have emission increases for several criteria pollutants, but none exceed the modification thresholds; therefore, this Application qualifies to be classified as a Class II Administrative Update.

2.0 PROJECT DESCRIPTION

Argos is proposing to install and operate a new portable air compressor. This would be a portable stand-by unit for use when the Plant's main air compressors cannot supply sufficient plant air. A picture of a unit similar to what is being proposed is provided as Figure 1 below.

Figure 1



The Plant is proposing to purchase a 2008 Ingersoll Rand Air Compressor rated at 1600 CFM and equipped with a 2004 Cummins 4CEXL015.AAA diesel engine rated at 600HP and certified to EPA Engine Tier Level II.

The only emissions from the portable air compressor will be from the diesel engine combustion. Use of the portable air compressor is expected to be intermittent and therefore its operation is being limited to a maximum of 3,500 hours per year. This is reflected in the potential emissions calculated in Attachment N. A new emission source is being permitted to account for the emissions from the use of the diesel engine; this new emission source is:

EPOG.02 – Air Compressor Engine

Emissions from the air compressor engine will vent out a small stack located at the top of the unit. The portable air compressor is planned to be located between the Coal Mill and Preheater Tower and will connect to the existing air supply lines via Compressor Room A.

3.0 NSR APPLICABILITY ANALYSIS

The Plant is currently classified as a “major stationary source” with respect to New Source Review (NSR). A NSR Applicability Analysis was prepared to determine the net change in emissions associated with the proposed modifications and decommissioning of existing sources. This analysis also compares the net change from proposed changes against all applicable contemporaneous changes within the last five years to determine if the proposed changes would result in a significant “net emission increase” of any regulated NSR pollutant. The NSR Applicability Analysis results are presented in Table 3.1.

WV DEP 45 CSR 14-2.46.h addresses net emission increases and states that “*An increase that results from a physical change at a source occurs when the emissions unit on which construction occurred becomes operational and begins to emit a particular pollutant.*” Therefore each contemporaneous change is evaluated based on when it began operation.

The Plant underwent a Major Modification (i.e., construction of new preheater/Precalciner kiln and associated sources) that began operation on August 31, 2009. Therefore, the five-year contemporaneous period for all emission increases and decreases associated with this Major Modification ended on August 31, 2014.

The NSR Applicability Analysis shown in Table 3.1, defines and summarizes the Plant changes which have occurred during the five-year contemporaneous period. These Plant changes include the Rail Transloader (PSD Permit R14-026H), the 2013 Baghouse Modifications (PSD Permit R14-026I), the 2014 Baghouse Modifications (PSD Permit R14-026J), the Alternate Fuel Feeding System (PSD Permit R14-026K), the 2015 Material Handling Modifications (PSD Permit R14-026L), and the Mobile Limestone Crushing Modifications (PSD Permit R14-026M).

The Plant changes permitted under PSD Permit R14-026H through R14-026J were permitted during the contemporaneous period for the Major Modification. The Major Modification resulted in a large net decrease of emissions of PM, PM₁₀, PM_{2.5}, and SO₂. These four contemporaneous Plant changes were netted against the emission decrease for these pollutants associated with the Major Modification. Therefore, since the Major Modification is no longer reflected in the NSR Applicability Analysis, the emissions of PM, PM₁₀, PM_{2.5}, and SO₂ from these four contemporaneous Plant changes were reset to zero.

Table 3.1 also lists the potential emissions for the operation of the air compressor engine as discussed in Section 2.0 of this Application. The potential emissions for this source are quantified in Attachment N of this Application. These potential emissions were summed with all contemporaneous changes and compared to the PSD Significance Net Emission Thresholds to demonstrate that this Application will not exceed any PSD emission threshold limits.

Greenhouse Gas

As of January 2, 2011 per EPA regulations, Greenhouse Gases (GHGs) became subject to NSR Permitting and are required to be evaluated. The Rail Transloader was the first permitting project at the Plant that was required to evaluate GHG emissions, and was estimated to generate

approximately 167 tons/year of carbon dioxide equivalent (CO₂e). The addition of the mobile crushers was the second permitting project at the Plant that required a GHG emissions evaluation and the operation of the two worst case mobile crusher diesel engines (i.e., highest HP engines) was approximately 6,370 tons/year.

The addition of the air compressor engine will be the third permitting project at the Plant that will require a GHG emissions evaluation. As shown by Attachment N, the CO₂e emissions from the operation of the air compressor engine are approximately 1,203 tons/year. The combined CO₂e emissions from all three projects are still significantly below the 75,000 tons/year PSD CO₂e threshold for modifications to existing major sources.

TABLE 3.1
NSR APPLICABILITY ANALYSIS
SUMMARY OF PLANT CHANGES - ARGOS USA LLC - MARTINSBURG PLANT
(JANUARY 2018)

DESCRIPTION OF PLANT CHANGES ¹	APPLICABLE NSR REGULATED POLLUTANTS - NET EMISSION CHANGES (TONS/YR)									
	PM _{2.5}	PM ₁₀	PM	SO ₂	NO _x	CO	VOC	LEAD	BERYLLIUM	FLUORIDES
1. RAIL TRANSLOADER (R14-026H) ²	0	0	0	0	4.49	0.97	0.36	0	0	0
2. 2013 BAGHOUSE MODIFICATIONS (R14-026I) ³	0	0	0	0	0	0	0	0	0	0
3. 2014 BAGHOUSE MODIFICATIONS (R14-026J) ⁴	0	0	0	0	0	0	0	0	0	0
4. ALTERNATE FUEL FEEDING SYSTEM (R14-026K) ⁵	0.01	0.03	0.16	0	0	0	0	0	0	0
5. 2015 MATERIAL HANDLING (R14-026L) ⁵	0.72	5.71	19.67	0	0	0	0	0	0	0
6. MOBILE LIMESTONE CRUSHING (R14-026M) ⁵	1.10	2.02	3.28	7.60	22.16	21.55	2.46	0	0	0
7. AIR COMPRESSOR ENGINE (TBD)	0.35	0.35	0.35	2.13	9.94	6.04	1.10	0	0	0
TOTAL NET EMISSION CHANGES (TONS/YR)	2.18	8.11	23.46	9.73	36.59	28.56	3.92	0.00	0.00	0.00
PSD SIGNIFICANCE THRESHOLDS (TONS/YR)	10	15	25	40	40	100	40	0.6	4.00E-04	3
EXCEEDS PSD SIGNIFICANCE THRESHOLDS (YES OR NO)	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

NOTES:

1. PLANT CHANGES 1-3 WERE NETTED AGAINST THE PM, PM10, PM2.5, AND SO2 EMISSION DECREASE ASSOCIATED WITH THE PLANT MODIFICATION WHEN THEY WERE PERMITTED. THE PLANT MODIFICATION BEGAN OPERATION ON AUGUST 31, 2009, THEREFORE ITS CONTEMPORANEOUS PERIOD ENDS ON AUGUST 30, 2014 AND IS NO LONGER APPLICABLE. SINCE PLANT CHANGES 1-4 PM, PM10, PM2.5, AND SO2 EMISSIONS WERE PREVIOUSLY NETTED AGAINST AN EMISSION DECREASE THEIR PM, PM10, PM2.5, AND SO2 EMISSIONS HAVE BEEN SET TO ZERO FOR COMPARISON AGAINST FUTURE CHANGES IN THIS NSR APPLICABILITY ANALYSIS.

2. THE RAIL TRANSLOADER BEGAN OPERATION ON 6/1/2013, THE CONTEMPORANEOUS PERIOD ENDS ON 5/31/2018.

3. THE 2013 BAGHOUSE MODIFICATIONS BEGAN OPERATION IN MAR. 2013, THE CONTEMPORANEOUS PERIOD ENDS MAR. 2018.

4. THE 2014 BAGHOUSE MODIFICATIONS BEGAN OPERATION ON 12/1/14, THE CONTEMPORANEOUS PERIOD ENDS 11/30/2019.

5. AS OF JANUARY 2018, THE ALTERNATE FUEL FEEDING SYSTEM, 2015 MATERIAL HANDLING CHANGES (EXCEPT FOR THE FINISH MILL LIMESTONE HANDLING), AND MOBILE LIMESTONE CRUSHERS HAVE NOT YET BEGUN OPERATION SO THE CONTEMPORANEOUS PERIOD CANNOT BE DEFINED. THE FINISH MILL LIMESTONE HANDLING OPERATIONS WERE PERMITTED AFTER-THE-FACT AND BEGAN OPERATION 10/1/13, THE CONTEMPORANEOUS PERIOD FOR THESE SOURCES ENDS ON 9/30/18.

APPENDIX A – NSR PERMIT AND TITLE V REVISION APPLICATION FORMS AND ATTACHMENTS

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

APPLICATION FOR NSR PERMIT AND TITLE V REVISION FORM



WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF AIR QUALITY

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

**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): Argos USA LLC		2. Federal Employer ID No. (FEIN): 5 4 1 2 3 9 0 5 6	
3. Name of facility (if different from above): Martinsburg Plant		4. The applicant is the: <input type="checkbox"/> OWNER <input type="checkbox"/> OPERATOR <input checked="" type="checkbox"/> BOTH	
5A. Applicant's mailing address: 1826 South Queen Street Martinsburg, WV 25401		5B. Facility's present physical address: 1826 South Queen Street Martinsburg, WV 25401	
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: Riverton Investment 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: Own – 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.): Portland Cement Manufacturing		10. North American Industry Classification System (NAICS) code for the facility: 3241	
11A. DAQ Plant ID No. (for existing facilities only): 003-00006		11B. List all current 45CSR13 and 45CSR30 (Title V) permit numbers associated with this process (for existing facilities only): R30-00300006-2017	

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>Take Queen Street exit off Route 45 at Martinsburg; go south on Queen Street to plant.</p> <p>A Map is included in Appendix A – Attachment B</p>		
<p>12.B. New site address (if applicable): N/A</p>	<p>12C. Nearest city or town: Martinsburg</p>	<p>12D. County: Berkeley</p>
<p>12.E. UTM Northing (KM): 4369.00</p>	<p>12F. UTM Easting (KM): 243.50</p>	<p>12G. UTM Zone: 18</p>
<p>13. Briefly describe the proposed change(s) at the facility: Install and/or modify four material handling and storage areas at the Plant and decommission sources no longer in operation.</p>		
<p>14A. Provide the date of anticipated installation or change: See Attachment C of Appendix A</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: As soon as permit is granted</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 type="checkbox"/> Indirect Heat Exchanger	
<input checked="" 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 _____

(Please use blue ink)

DATE: _____

(Please use blue ink)

35B. Printed name of signee: **Heinz Knopfel**

35C. Title: **Plant Manager**

35D. E-mail: **Hknopfel@argos-us.com**

35E. Phone: **304-260-1887**

35F. FAX: **304-267-6571**

36A. Printed name of contact person (if different from above): **Andrew Frye**

36B. Title: **Plant Environmental Manager**

36C. E-mail: **afrye@argos-us.com**

36D. Phone: **304-260-1827**

36E. FAX: **304-267-2617**

PLEASE CHECK ALL APPLICABLE ATTACHMENTS INCLUDED WITH THIS PERMIT APPLICATION:

- | | |
|--|--|
| <input checked="" type="checkbox"/> Attachment A: Business Certificate | <input checked="" 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 checked="" type="checkbox"/> Attachment C: Installation and Start Up Schedule | <input type="checkbox"/> Attachment M: Air Pollution Control Device Sheet(s) |
| <input checked="" type="checkbox"/> Attachment D: Regulatory Discussion | <input checked="" type="checkbox"/> Attachment N: Supporting Emissions Calculations |
| <input checked="" type="checkbox"/> Attachment E: Plot Plan | <input checked="" 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 checked="" 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 checked="" 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.

**ATTACHMENT A
BUSINESS CERTIFICATE**

Provided in this section is a copy of Argos WV Business Registration.

WEST VIRGINIA
STATE TAX DEPARTMENT

**BUSINESS REGISTRATION
CERTIFICATE**

ISSUED TO:
**ARGOS USA LLC
1826 S QUEEN ST
MARTINSBURG, WV 25401-9596**

BUSINESS REGISTRATION ACCOUNT NUMBER: 2335-2950

This certificate is issued on: **12/29/2016**

*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.

**ATTACHMENT B
MAP**

Provided in this section is a map depicting the approximate location of the Plant.

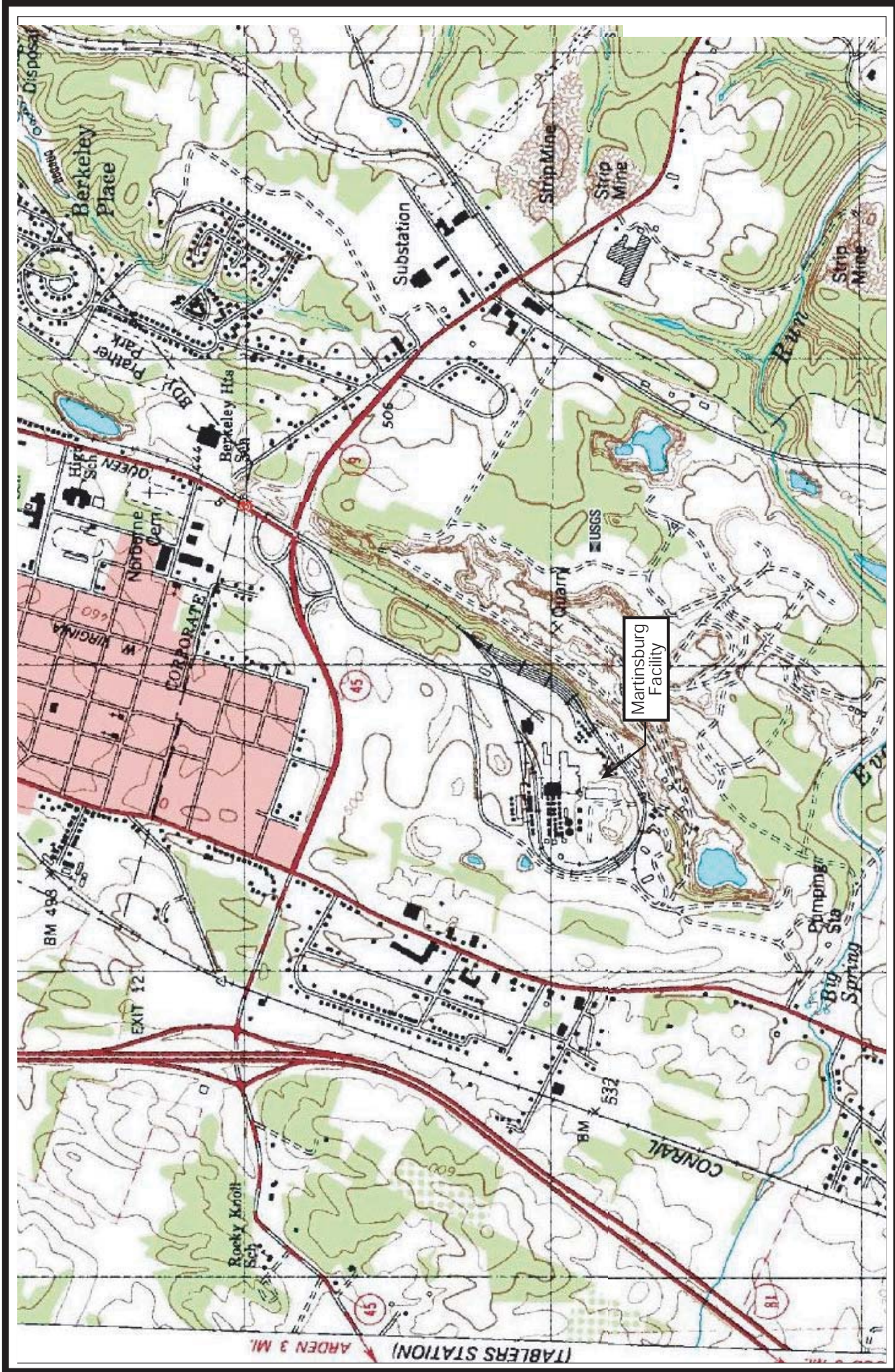


Figure B-1
Argos USA LLC
Martinsburg Plant Area Map

ATTACHMENT C
INSTALLATION AND STARTUP SCHEDULE

It is anticipated that construction of the air compressor engine will begin upon receipt of a construction permit.

ATTACHMENT D REGULATORY DISCUSSION

This section discusses the applicable Federal and WV DEP emission standards and regulations applicable to the Plant and the new air compressor engine.

D.1 APPLICABLE FEDERAL EMISSIONS STANDARDS

New Source Performance Standards (NSPS) codified in 40 CFR 60 and NESHAP standards codified in 40 CFR 63 will apply to certain operations being permitted as part of this Application update.

D.1.1 40 CFR 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines

The diesel-fired 4CEXL015.AAA engine for the air compressor is not subject to this subpart because the engine was manufactured before July 11, 2005.

D.1.2 40 CFR 63 Subpart ZZZZ – National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

The diesel-fired 4CEXL015.AAA engine is subject to this subpart as it is considered an existing source of hazardous air pollutants (HAPs) at a major source of HAPs. It should be noted that the diesel-fired 4CEXL015.AAA engine is not equipped with an oxidation catalyst or non-selective catalytic reduction (NSCR) control equipment.

D.1.3 40 CFR 89

The diesel-fired 4CEXL015.AAA engine for the air compressor meets the applicability requirements of 40 CFR 89 and is subject to the emission standards specified in Subpart B for all new non-road compression-ignition engines. Appendix B of this Application provides copies of the performance data and regulatory information for the engine indicating that it will be compliant with all applicable Tier II emission standards per Table 1 of 40 CFR 89.112.

D.2 WEST VIRGINIA STATE REGULATIONS

The air quality regulations for the state of West Virginia are codified in Title 45 of the Code of State Rules (45 CSR). Title 45 is divided into series, each covering a specific aspect of the state's air pollution regulatory program. Series that contain requirements specific to the source included in this Application are discussed in the following paragraphs. West Virginia regulations that are applicable to the entire Plant are not discussed in this Application.

D.2.1 SERIES 7

45 CSR 7, *To Prevent & Control Particulate Matter Air Pollution from Manufacturing Processes & Associated Operations*, defines PM emissions standards for manufacturing processes and associated operations. The regulation requires the Plant to comply with PM emissions as defined in the regulation from point and fugitive sources, as well as to employ good operating practices to prevent/reduce fugitive emissions. Specifically, the Plant is subject to 45-5-3.4, 45-5-6.1, and 45-5-6.2.

D.2.2 SERIES 8

45 CSR 8, *Ambient Air Quality Standards for Sulfur Oxides and Particulate Matter*, establishes ambient air quality standards for SO₂ and PM, equivalent to the primary and secondary National Ambient Air Quality Standards (NAAQS) established by the U.S. EPA.

D.2.3 SERIES 9

45 CSR 9, *Rules Pertaining to Ambient Air Quality Standards for Carbon Monoxide and Ozone*, establishes ambient air quality standards for CO and ozone, equivalent to the primary and secondary NAAQS established by the U.S. EPA.

D.2.4 SERIES 10

45 CSR 10, *To Prevent and Control Air Pollution from the Emission of Sulfur Oxides*, defines sulfur limits for manufacturing processes. This regulation is only applicable to fuel burning units which produce heat or power by indirect heat transfer, therefore the diesel engine is not applicable.

D.2.5 SERIES 12

45 CSR 12, *Ambient Air Quality Standard for Nitrogen Dioxide*, establishes the ambient air quality standard for nitrogen dioxide, which is equivalent to the primary and secondary NAAQS established by the U.S. EPA.

D.2.6 SERIES 13

45 CSR 13, *Permits for Construction, Modification, Relocation and Operation of Stationary Sources of Air Pollutants, Notification Requirements, Administrative Updates, Temporary Permits, General Permits, Permission to Commence Construction, and Procedures for Evaluation*, regulates the procedures for stationary source reporting, and the criteria for obtaining a permit to construct and operate a new stationary source which is not a major stationary source, to modify a non-major stationary source, to make modifications which are not major modifications to an existing major stationary source, to relocate non-major stationary sources within the state of West Virginia, and to set forth procedures to allow facilities to commence construction in advance of permit issuance. Such construction, modification, relocation, and operation without a required permit are a violation of this rule. This rule also establishes the

requirements for obtaining an administrative update to an existing permit, a temporary permit, or a general permit registration, and for filing notifications and maintaining records of changes not otherwise subject to the permit requirements of this rule. Since the Application is considered a Class II Administrative Update, it is subject to this regulation. Argos USA LLC is meeting the requirements of this regulation by submitting this Application.

D.2.7 SERIES 14

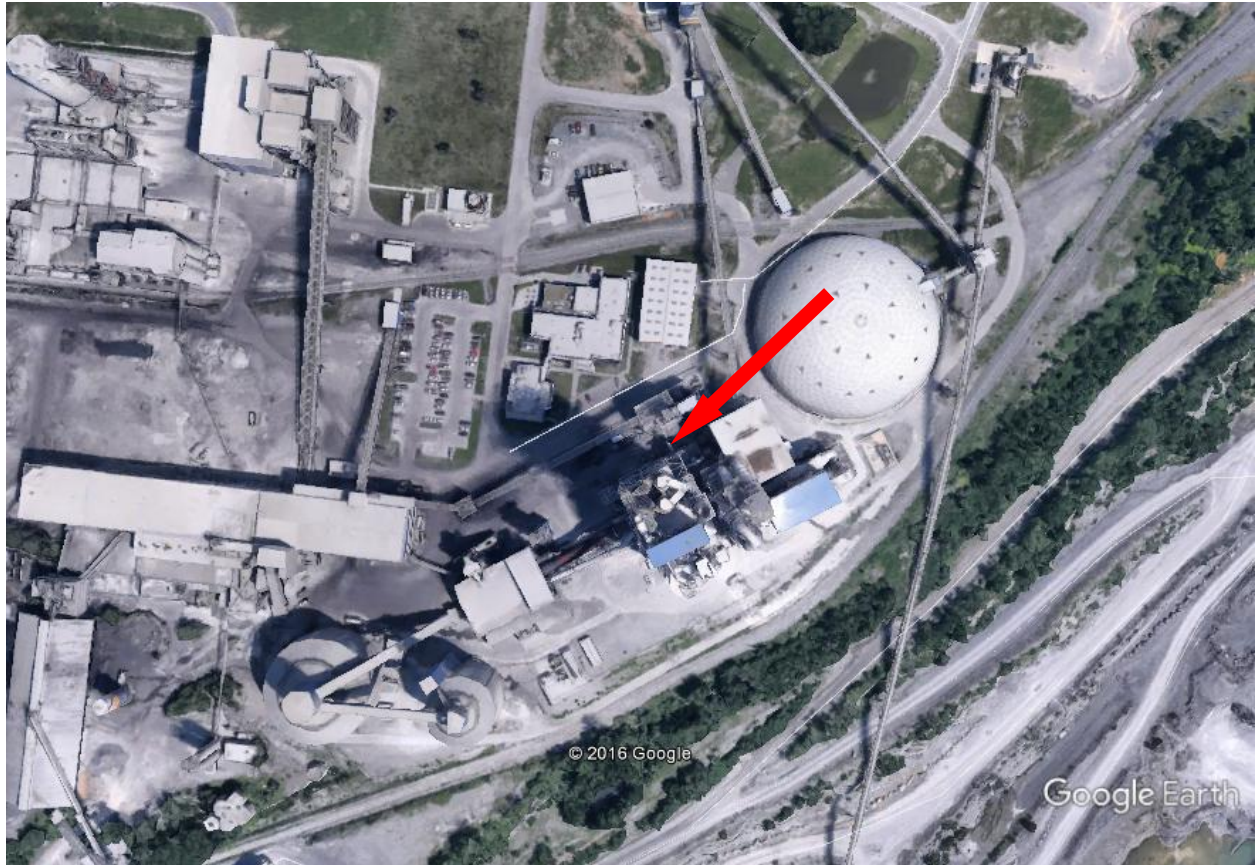
45 CSR 14, *Permits For Construction & Major Modification of Major Stationary Sources of Air Pollution for the Prevention of Significant Deterioration*, regulates the construction or relocation of any major stationary source or major modification in any area classified as attaining National or West Virginia Ambient Air Quality Standards or unclassifiable. Since the Application is a Class II Administrative Update to a 45 CSR 14 Permit, it is subject to this regulation. Argos USA LLC is meeting the requirements of this regulation by submitting this Application.

D.2.8 SERIES 17

45 CSR 17, *To Prevent & Control Particulate Matter Air Pollution from Materials Handling, Preparation, Storage & Other Sources of Fugitive Particulate Matter*, requires the prevention and control of PM from materials handling, preparation, storage, and other fugitive particulate sources beyond the property boundary through the appropriate use of preventative measures, which include but are not limited to water or chemicals, enclosure/covering of sources, and installation of hoods/fans/fabric filters. As part of this Application, Argos USA LLC will install fabric filters and/or enclosures, or take other preventative measures to reduce/prevent emissions from fugitive sources.

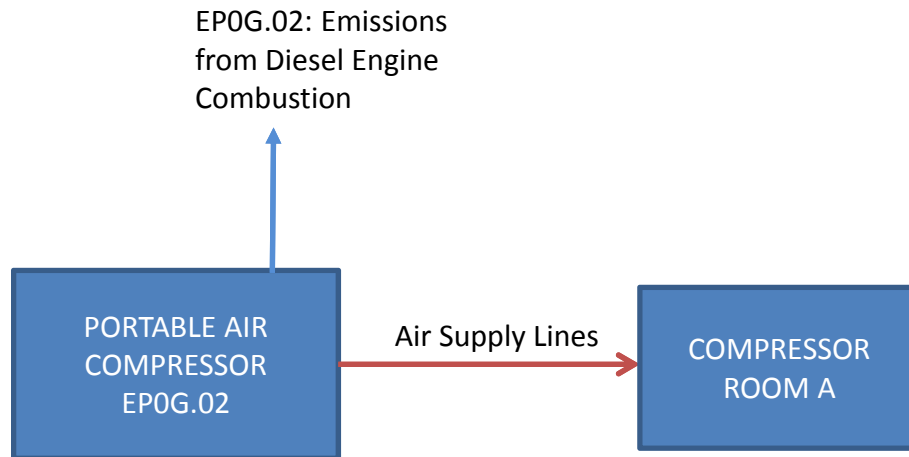
ATTACHMENT E PLOT PLAN

Provided in this section is a Plot Plan depicting the location of the new air compressor engine.



ATTACHMENT F
DETAILED PROCESS FLOW DIAGRAM

A detailed process flow diagram depicting the new air compressor engine is provided in this section.



Portable Air Compressor Flow Diagram
Argos USA LLC – Martinsburg Plant

Diagram F-1
January 2018

**ATTACHMENT G
PROCESS DESCRIPTION**

A process description for the new air compressor engine is provided in Section 2 of this Application.

ATTACHMENT H
MATERIAL SAFETY DATA SHEETS (MSDS)

No materials will be handled by the new air compressor engine. Therefore, no Material Safety Data Sheets (MSDS) are provided in this section.

**ATTACHMENT I
EMISSION UNITS TABLE**

Attachment I
Emission Units Table
(includes all emission units and air pollution control devices
That will be part of this permit application review, regardless of permitting status)

Emission Point ID ²	Emission Unit ID ¹	Emission Unit Description	Year Installed/ Modified	Design Capacity	Type ³ and Date of Change	Control Device ⁴
EP0G.02	EP0G.02	Air Compressor Engine	2018	600 HP	New	N/A

¹ For Emission Units (or Sources) use the following numbering system: 1S, 2S, 3S,... or other appropriate designation.
² For Emission Points use the following numbering system: 1E, 2E, 3E,... or other appropriate designation.
³ New, modification, removal
⁴ For Control Devices use the following numbering system: 1C, 2C, 3C,... or other appropriate designation.

ATTACHMENT J
EMISSION POINTS DATA SUMMARY SHEET

**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 ⁴)
		ID No.	Source	ID No.	Device Type	Short Term ²	Max (hr/yr)		lb/hr	ton/yr	lb/hr	ton/yr			
EPOG.02	Engine Vent	EPOG.02	Air Compressor Engine	N/A	N/A	N/A		PM	0.20	0.35	0.20	0.35	Solid	O- 40 CFR 98 Tier II	33.0 mg/m ³
				N/A	N/A	N/A		PM10	0.20	0.35	0.20	0.35			33.0 mg/m ³
				N/A	N/A	N/A		PM2.5	0.20	0.35	0.20	0.35			33.0 mg/m ³
				N/A	N/A	N/A		NOx	5.68	9.94	5.68	9.94	Gas	O- 40 CFR 98 Tier II	948.0 mg/m ³
				N/A	N/A	N/A		CO	3.45	6.04	3.45	6.04	Gas	O- 40 CFR 98 Tier II	576.1 mg/m ³
N/A	N/A	N/A		VOC	0.63	1.10	0.63	1.10	Gas	O- 40 CFR 98 Tier II	105.3 mg/m ³				
N/A	N/A	N/A		SO2	1.22	2.13	1.22	2.13	Gas	O – AP-42	203.2 mg/m ³				

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.

¹ Please add descriptors such as upward vertical stack, downward vertical stack, horizontal stack, relief vent, rain cap, etc.

² Indicate by "C" if venting is continuous. Otherwise, specify the average short-term venting rate with units, for intermittent venting (ie., 15 min/hr). Indicate as many rates as needed to clarify frequency of venting (e.g., 5 min/day, 2 days/wk).

³ 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.

⁴ 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).

⁵ 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).

⁶ 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).

⁷ Provide for all pollutant emissions. Typically, the units of parts per million by volume (ppmv) are used. If the emission is a mineral acid (sulfuric, nitric, hydrochloric or phosphoric) use units of milligram per dry cubic meter (mg/m³) at standard conditions (68 °F and 29.92 inches Hg) (see 45CSR7). If the pollutant is SO₂, use units of ppmv (See 45CSR10).

**Attachment J
EMISSION POINTS DATA SUMMARY SHEET**

Table 2: Release Parameter Data								
Emission Point ID No. <i>(Must match Emission Units Table)</i>	Inner Diameter (ft.)	Exit Gas			Emission Point Elevation (ft)		UTM Coordinates (km)	
		Temp. (°F)	Volumetric Flow ¹ (dscfm) <i>at operating conditions</i>	Velocity (fps)	Ground Level <i>(Height above mean sea level)</i>	Stack Height ² <i>(Release height of emissions above ground level)</i>	Northing	Easting
EP0G.02	0.33	Ambient	1,600 cfm	483	497	10	4369.245	243.885

¹ Give at operating conditions. Include inerts.

² Release height of emissions above ground level.

ATTACHMENT K
FUGITIVE EMISSIONS DATA SUMMARY SHEET

Provided in this section is the Fugitive Emission Data Summary Sheet Form.

Attachment K

FUGITIVE EMISSIONS DATA SUMMARY SHEET

The FUGITIVE EMISSIONS SUMMARY SHEET provides a summation of fugitive emissions. Fugitive emissions are those emissions which could not reasonably pass through a stack, chimney, vent or other functionally equivalent opening. Note that uncaptured process 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).

APPLICATION FORMS CHECKLIST - FUGITIVE EMISSIONS
1.) Will there be haul road activities? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If YES, then complete the HAUL ROAD EMISSIONS UNIT DATA SHEET.
2.) Will there be Storage Piles? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If YES, complete Table 1 of the NONMETALLIC MINERALS PROCESSING EMISSIONS UNIT DATA SHEET.
3.) Will there be Liquid Loading/Unloading Operations? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If YES, complete the BULK LIQUID TRANSFER OPERATIONS EMISSIONS UNIT DATA SHEET.
4.) Will there be emissions of air pollutants from Wastewater Treatment Evaporation? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If YES, complete the GENERAL EMISSIONS UNIT DATA SHEET.
5.) Will there be Equipment Leaks (e.g. leaks from pumps, compressors, in-line process valves, pressure relief devices, open-ended valves, sampling connections, flanges, agitators, cooling towers, etc.)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If YES, complete the LEAK SOURCE DATA SHEET section of the CHEMICAL PROCESSES EMISSIONS UNIT DATA SHEET.
6.) Will there be General Clean-up VOC Operations? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If YES, complete the GENERAL EMISSIONS UNIT DATA SHEET.
7.) Will there be any other activities that generate fugitive emissions? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> If YES, complete the GENERAL EMISSIONS UNIT DATA SHEET or the most appropriate form.
If you answered "NO" to all of the items above, it is not necessary to complete the following table, "Fugitive Emissions Summary."

FUGITIVE EMISSIONS SUMMARY	All Regulated Pollutants - Chemical Name/CAS ¹	Maximum Potential Uncontrolled Emissions ²		Maximum Potential Controlled Emissions ³		Est. Method Used ⁴
		lb/hr	ton/yr	lb/hr	ton/yr	
Haul Road/Road Dust Emissions Paved Haul Roads						
Unpaved Haul Roads						
Storage Pile Emissions						
Loading/Unloading Operations						
Wastewater Treatment Evaporation & Operations						
Equipment Leaks						
General Clean-up VOC Emissions						
Other						

¹ 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.

² Give 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).

³ Give 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).

⁴ 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).

ATTACHMENT L
EMISSION UNIT DATA SHEETS

Provided in this section is the applicable Attachment L – General Emission Unit Data Sheet (EUDS) Form for the new air compressor engine.

Attachment L
EMISSIONS UNIT DATA SHEET
GENERAL

To be used for affected sources other than asphalt plants, foundries, incinerators, indirect heat exchangers, and quarries.

Identification Number (as assigned on *Equipment List Form*): EPOG.02

<p>1. Name or type and model of proposed affected source:</p> <p>2004 Cummins 4CEXL015.AAA 600 HP diesel engine for a 2008 Ingersoll Rand Air Compressor</p>
<p>2. On a separate sheet(s), furnish a sketch(es) of this affected source. If a modification is to be made to this source, clearly indicated the change(s). Provide a narrative description of all features of the affected source which may affect the production of air pollutants.</p>
<p>3. Name(s) and maximum amount of proposed process material(s) charged per hour:</p> <p>Not Applicable</p>
<p>4. Name(s) and maximum amount of proposed material(s) produced per hour:</p> <p>Not Applicable</p>
<p>5. Give chemical reactions, if applicable, that will be involved in the generation of air pollutants:</p> <p>Not Applicable</p>

* The identification number which appears here must correspond to the air pollution control device identification number appearing on the *List Form*.

6. Combustion Data (if applicable):			
(a) Type and amount in appropriate units of fuel(s) to be burned:			
No. 2 Diesel Fuel			
(b) Chemical analysis of proposed fuel(s), excluding coal, including maximum percent sulfur and ash:			
Not Applicable			
(c) Theoretical combustion air requirement (ACF/unit of fuel):			
1600	@	Ambient	°F and psia.
(d) Percent excess air:			
(e) Type and BTU/hr of burners and all other firing equipment planned to be used:			
2004 Cummins 4CEXL015.AAA 600 HP diesel engine (4.2 MMBtu/hr)			
(f) If coal is proposed as a source of fuel, identify supplier and seams and give sizing of the coal as it will be fired:			
(g) Proposed maximum design heat input: See item e × 10 ⁶ BTU/hr.			
7. Projected operating schedule:			
Hours/Day	24	Days/Week	7
		Weeks/Year	52

8. Projected amount of pollutants that would be emitted from this affected source if no control devices were used:

@	See Attachment N	°F and	psia
a. NO _x	See Attachment N	lb/hr	grains/ACF
b. SO ₂	See Attachment N	lb/hr	grains/ACF
c. CO	See Attachment N	lb/hr	grains/ACF
d. PM ₁₀	See Attachment N	lb/hr	grains/ACF
e. Hydrocarbons	N/A	lb/hr	grains/ACF
f. VOCs	See Attachment N	lb/hr	grains/ACF
g. Pb	N/A	lb/hr	grains/ACF
h. Specify other(s)		lb/hr	grains/ACF
		lb/hr	grains/ACF
		lb/hr	grains/ACF
		lb/hr	grains/ACF

NOTE: (1) An Air Pollution Control Device Sheet must be completed for any air pollution device(s) used to control emissions from this affected source.

(2) Complete the Emission Points Data Sheet.

9. 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

Sources will comply with all applicable 40 CFR 63 Subpart ZZZZ Monitoring Requirements.

RECORDKEEPING

Sources will comply with all applicable 40 CFR 63 Subpart ZZZZ Recordkeeping Requirements.

REPORTING

Sources will comply with all applicable 40 CFR 63 Subpart ZZZZ Reporting Requirements.

TESTING

Sources will comply with all applicable 40 CFR 63 Subpart ZZZZ Testing Requirements.

MONITORING. PLEASE LIST AND DESCRIBE THE PROCESS PARAMETERS AND RANGES THAT ARE PROPOSED TO BE MONITORED IN ORDER TO DEMONSTRATE COMPLIANCE WITH THE OPERATION OF THIS PROCESS EQUIPMENT OPERATION/AIR POLLUTION CONTROL DEVICE.

RECORDKEEPING. PLEASE DESCRIBE THE PROPOSED RECORDKEEPING THAT WILL ACCOMPANY THE MONITORING.

REPORTING. PLEASE DESCRIBE THE PROPOSED FREQUENCY OF REPORTING OF THE RECORDKEEPING.

TESTING. PLEASE DESCRIBE ANY PROPOSED EMISSIONS TESTING FOR THIS PROCESS EQUIPMENT/AIR POLLUTION CONTROL DEVICE.

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

Per Manufacturer provided manual.

ATTACHMENT M
AIR POLLUTION CONTROL DEVICE SHEET

No air pollution control devices are being permitted associated with the new air compressor engine. Therefore, no Attachment M – Air Pollution Control Device Sheet is provided in this section.

ATTACHMENT N
SUPPORTING EMISSION CALCULATIONS

Potential Emissions Inventory

Enclosed in this section are the supporting emission calculations required for the Application in the form of the Potential Emission Inventory for the new air compressor engine. Provided below is a listing of all tables that are included in this application.

The following tables are included:

Table N-1 Potential Emission Calculations for Air Compressor Engine

Table N-2 Changes to Permitted Potential Group Emission Limits

Table N-1
EP0G.02 Air Compressor Emission Calculations from Diesel Combustion

Heating Value of Diesel Fuel (Btu/gal):	140,000
Engine Manufacturer	Cummins Inc.
Engine Model	4CEXL015.AAA
Model Year	2004
Rated Output (hp):	600
Rated Output (kw):	447
Heat Input (MMBtu/hr):	4.2
Operation (hrs/yr):	3500

Assumes a BFSC of 7,000 Btu/hp-hr per AP-42 Table 3.3-1

Criteria Pollutants

Pollutant	Emission Factor	EF Units	Emissions (lb/hr)	Emissions (tpy)	Notes
NOx	5.8	g/kwh	5.68	9.94	40 CFR 89 Tier II (Note 1)
CO	3.5	g/kwh	3.45	6.04	40 CFR 98 Tier III
VOC	0.6	g/kwh	0.63	1.10	40 CFR 89 Tier II (Note 1)
SO ₂	0.2900	lb/MMBtu	1.22	2.13	AP-42 Table 3.3-1
PM	0.2000	g/kwh	0.20	0.35	40 CFR 89 Tier II (Note 2)
PM10	0.2000	g/kwh	0.20	0.35	40 CFR 89 Tier II (Note 2)
PM2.5	0.2000	g/kwh	0.20	0.35	40 CFR 89 Tier II (Note 2)

¹ Emission factors from 40 CFR 89 for Tier II engines. NOx and VOC emission factors based on a 6.4 g/kwh NOx and non-methane hydrocarbon combined limit. NOx is conservatively assumed to be 90% of the limit based on AP-42 Section 3.3.

² All particulate is assumed to be less than 1 micron, so PM Emission Factor used as representative for PM10 and PM2.5.

Hazardous Air Pollutants

Pollutant	Emission Factor	EF Units	Emissions (lb/hr)	Emissions (tpy)	Notes
1,3-Butadiene	3.91E-05	lb/MMBtu	1.64E-04	2.87E-04	AP-42 Table 3.3-2
Acrolein	9.25E-05	lb/MMBtu	3.89E-04	6.80E-04	AP-42 Table 3.3-2
Acetaldehyde	7.67E-04	lb/MMBtu	3.22E-03	5.64E-03	AP-42 Table 3.3-2
Benzene	9.33E-04	lb/MMBtu	3.92E-03	6.86E-03	AP-42 Table 3.3-2
Formaldehyde	1.18E-03	lb/MMBtu	4.96E-03	8.67E-03	AP-42 Table 3.3-2
Naphthalene	8.48E-05	lb/MMBtu	3.56E-04	6.23E-04	AP-42 Table 3.3-2
POM ¹	1.68E-04	lb/MMBtu	7.06E-04	1.23E-03	AP-42 Table 3.3-2
Toluene	4.09E-04	lb/MMBtu	1.72E-03	3.01E-03	AP-42 Table 3.3-2
Xylenes	2.85E-04	lb/MMBtu	1.20E-03	2.09E-03	AP-42 Table 3.3-2
TOTAL				2.91E-02	

¹ Polycyclic Organic Matter (listed as "Total PAH" in AP-42)

GHG

Pollutant ¹	Emission Factor	EF Units	Emissions (lb/hr)	Emissions (tpy)	Notes
CO ₂	163.1	lb/MMBtu	684.9	1198.7	40 CFR Part 98, Table C1
CH ₄	0.007	lb/MMBtu	0.0	0.049	40 CFR Part 98, Table C2
N ₂ O	0.001	lb/MMBtu	0.0	0.010	40 CFR Part 98, Table C2
CO ₂ e			687	1202.8	

¹ CO₂e calculated using Global Warming Potentials of 1 for CO₂, 25 for CH₄, and 298 for N₂O per 40 CFR 98.

Table N-2
Changes to Title V Permit Potential Group Emission Limits

Permit/Project	Facility-Wide Total Potential Emission Limits								
	PM2.5	PM10	PM	SO2	NOx	CO	VOC	Fluorides	Lead
PSD Permit R14-026M	222.30	584.65	927.69	4,515.50	4,031.75	4,458.50	158.78	1.02	0.08
Air Compressor Engine	0.35	0.35	0.35	2.13	9.94	6.04	1.10	0.00	0.00
Updated Emission Limits	222.65	585.00	928.04	4517.63	4041.69	4464.54	159.88	1.02	0.08

Permit/Project	Combined Group Source (Point and Fugitive) TSP and PM10 Emission Limits Group 8	
	PM	PM10
PSD Permit R14-026M	324.39	98.13
Air Compressor Engine	0.35	0.35
Updated Emission Limits	324.74	98.48

ATTACHMENT O

MONITORING/RECORDKEEPING/REPORTING/TESTING PLANS

The Martinsburg Plant will comply with all applicable Federal monitoring, recordkeeping, reporting, and testing requirements per 40 CFR 63 Subpart ZZZZ.

**ATTACHMENT P
PUBLIC NOTICE**

A copy of the Class II legal advertisement, as well as the publication date, both required as part of the Application process, will be submitted under a separate cover.

ATTACHMENT Q
BUSINESS CONFIDENTIAL CLAIMS

Argos USA LLC is not requesting that this Application be confidential.

**ATTACHMENT R
AUTHORITY FORM**

Provided in this section is an Attachment R – Authority of Corporation Form for the Martinsburg Plant.

**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: June 6, 2017

ATTN.: Director

Corporation's / other business entity's Federal Employer I.D. Number 98-0469794

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) Heinz Knopfel (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

Argos USA
Name of Corporation or business entity

**SECRETARY'S CERTIFICATE OF
ARGOS USA LLC**

The undersigned does hereby certify, solely in his capacity as Secretary of Argo USA LLC, a Delaware limited liability company formerly known as Argos Cement LLC (the "Company"), that:

1. Attached hereto as **Exhibit A** is a true and correct copy of the limited liability company agreement of the Company as in effect on the date hereof.

2. Each of the persons named below is, as of the date hereof, a duly elected, qualified and acting officer of the Company holding the office set forth opposite his or her name.

Name:

Office:

Scott Morkem

Vice President – Cement Manufacturing

IN WITNESS WHEREOF, the undersigned has executed and delivered this Certificate this the 5th day of June, 2017.

By: 

Name: Mark C. Prybylski

Title: Secretary

Exhibit A

AMENDED AND RESTATED
LIMITED LIABILITY COMPANY OPERATING AGREEMENT
OF
ARGOS CEMENT LLC

**AMENDED AND RESTATED LIMITED LIABILITY COMPANY
OPERATING AGREEMENT OF ARGOS CEMENT LLC**

THIS AMENDED AND RESTATED LIMITED LIABILITY COMPANY OPERATING AGREEMENT is entered into as of the 30th day of May, 2012 (the "**Effective Date**") by and between ARGOS CEMENT LLC, a Delaware limited liability company (the "**Company**") and ARGOS USA CORP., a Delaware corporation, as the sole member of the Company (the "**Member**"), on the following terms and conditions:

A. On May 11, 2011, the Company was formed as a limited liability company under the laws of the State of Delaware by filing a Certificate of Formation for the Company with the Secretary of State of the State of Delaware.

B. The Member and the Company desire to (i) amend and restate the Company's Operating Agreement, dated May 11, 2011 (the "**Original Agreement**"), and (ii) adopt, approve, and enter into this Agreement to govern the operation of the Company.

NOW, THEREFORE, in consideration of the mutual covenants and agreements contained herein, and other good and valuable consideration, the adequacy and sufficiency of which is hereby acknowledged, the parties agree as follows:

As of the date hereof, the Original Agreement shall be amended and restated as set forth below, and hereafter the Original Agreement shall be of no further force and effect.

ARTICLE I - DEFINITIONS

As used herein, the following terms shall have the indicated definitions.

"Act" means the Delaware Limited Liability Company Act as set forth at Delaware Code Title 6 §18-101 through §18-1109, as may be amended from time to time.

"Affiliate" of a Person means: (i) any entity or individual that directly or indirectly controls or holds the power to vote 10% or more of the outstanding voting securities of the Person in question; (ii) any Person 10% or more whose voting securities are directly or indirectly owned, controlled or held with power to vote, by the Person in question; (iii) any Person directly or indirectly controlling, controlled by, or under common control with the Person; or (iv) any officer, director or partner of the Person in question.

"Agreement" means this Amended and Restated Limited Liability Company Operating Agreement, as may be amended from time to time.

"Board" shall have the meaning set forth in Section 6.1(a).

"Capital Contribution" means the contribution by the Member to the capital of the Company.

"Certificate" means the Certificate of Formation of the Company as filed with the Secretary of State of Delaware, as the same may be amended or restated from time to time.

“**Code**” means the Internal Revenue Code of 1986, as amended, and any successor provision.

“**Company**” has the meaning set forth in the preamble to this Agreement.

“**Indemnitee**” shall have the meaning set forth in Section 6.4(a).

“**Manager**” shall have the meaning set forth in Section 6.1(a).

“**Member**” has the meaning set forth in the preamble to this Agreement, or any successor in interest or assign.

“**Membership Interest**” means the ownership interest of the Member in the Company, including any and all rights, powers, benefits, duties or obligations conferred or imposed on the Member under the Act or this Agreement.

“**Net Profits**” and “**Net Losses**” of the Company mean the taxable income and net losses, respectively, of the Company, determined in accordance with the Code and applicable Regulations; provided, however, the Member acknowledges that as a single member limited liability company, the Company’s existence, for tax purposes, shall be ignored. In the event that the determination of Net Profits and Net Losses must be determined in some manner other than as set forth in this definition by virtue of the method of accounting employed by the Member, then Net Profits and Net Losses shall be determined accordingly.

“**Person**” means any individual, general partnership, limited partnership, corporation, trust, limited liability company or other association or entity.

“**Regulations**” means the regulations (including temporary regulations) of the United States Treasury Department pertaining to the income tax, as amended, and any successor provision.

ARTICLE II - NAME AND PLACE OF BUSINESS

The name of the Company is ARGOS CEMENT LLC. The registered agent of the Company and the registered office of the Company shall be as set forth in the Certificate, or such other agent or place as may hereafter be designated by the Board from time to time as provided by law. The Company’s principal office shall be at such place as the Board may designate from time to time, and the Company shall maintain records there as required by the Act (and shall keep the street address of such principal office at the Company’s registered office).

ARTICLE III - BUSINESS, PURPOSES, AND TERM OF COMPANY

Section 3.1 Purposes. The purpose of the Company is to engage in any lawful act or activity for which limited liability companies may be organized under the Act.

Section 3.2 Term of Company. The term of the Company commenced on the date the Certificate was filed with the Secretary of State of Delaware in accordance with the provisions of the Act and shall continue on a perpetual basis unless dissolved pursuant to Article VII of this Agreement.

Section 3.3 Status of the Company. The Member acknowledges that, although the Company will be a "limited liability company" under Delaware law, for federal and state income tax purposes (under applicable provisions of the Code and the Regulations), as long as the Member is the sole Member of the Company, its existence will be ignored and it will not be treated as a separate tax entity. Such treatment refers solely to the federal and state income tax treatment of the Company, and not to the state law status of the Company as a limited liability company. The Member shall not be personally obligated to any third party for any debt, obligation or liability of the Company solely by reason of being a member of the Company.

ARTICLE IV - CAPITAL CONTRIBUTIONS

Section 4.1 Capital Contributions. In exchange for 100% of the membership interests in the Company, the Member shall contribute to the capital of the Company such amounts as the Member deems appropriate. The Member shall have no duty to make additional contributions to the Company but additional contributions may be made from time to time as the Member shall determine. The Member shall cause all Capital Contributions to be recorded on the books and records of the Company.

Section 4.2 Membership Interests Deemed to be Securities. Pursuant to Delaware Code Title 6 §8-103(c), the Membership Interests of the Company held by the Member shall be considered to be securities governed by Article 8 of Title 6 of the Delaware Code.

Section 4.3 Issuance of Certificates. The Membership Interests in the Company shall be evidenced by a certificate in the form attached hereto as Exhibit A. The certificate shall state on its face that it is subject to the terms and conditions of this Agreement. The President and the Secretary or any Assistant Secretary shall be authorized to execute the certificates on behalf of the Company.

Section 4.4 Registered Owner. The Company shall be entitled to treat the registered owner of a certificate as the owner of such Membership Interest for all purposes and, accordingly, shall not be bound to recognize any equitable or other claim to or interest in such Membership Interest, regardless of whether it shall have actual or other notice thereof, by a person other than the registered owner of such certificate.

Section 4.5 Pledge of Membership Interests. Any provision to the contrary contained in this Agreement notwithstanding, the Membership Interests issued hereunder or covered hereby may be pledged to any lender or lenders as collateral for the indebtedness, liabilities and obligations of the Company and/or any of its subsidiaries to such lender or lenders, and any such pledged Membership Interests shall be subject to such lender's or lenders' rights under any collateral documentation governing or pertaining to such pledge. The pledge of such Membership Interests shall not, except as otherwise provided in such collateral documentation, cause a Member to cease to be a Member or to have the power to exercise any rights or powers of a Member and, except as provided in such collateral documentation, such lender or lenders shall not have any liability solely as a result of such pledge. Without limiting the foregoing, the right of such lender or lenders to enforce their rights and remedies under such collateral documentation hereby is acknowledged and any such action taken in accordance therewith shall be valid and effective for all purposes under this Agreement (regardless of any restrictions herein contained) and any assignment, sale or other disposition of the Membership Interests by such lender or lenders pursuant to any such collateral

documentation in connection with the exercise of any such lender's or lenders' rights and powers shall be valid and effective for all purposes, including, without limitation, under Sections 18-702 and 18-704 Delaware Act and this Agreement, to transfer all right, title and interest of the applicable Member hereunder to itself or themselves, any other lender or any other person (each an "Assignee") in accordance with such collateral documentation and applicable law (including, without limitation, in accordance with such collateral documentation and applicable law, the rights to participate in the management of the business and the business affairs of the Company, to share profits and losses, to receive distributions and to receive allocation of income, gain, loss, deduction, credit or similar item) and such Assignee shall be a Member of the Company with all rights and powers of a Member. Such assignment shall not constitute an event of dissolution under **Article VII** hereunder. Further, no lender or any such Assignee shall be liable for the obligations of any Member assignor to make contributions. All Members approve all of the foregoing and all Members agree that no further approval shall be required for the exercise of any rights or remedies under such collateral documentation.

ARTICLE V - ALLOCATION OF NET PROFITS AND NET LOSSES; DISTRIBUTIONS

Section 5.1 Allocation of Net Profits and Net Losses. The Net Profits and Net Losses of the Company shall be allocated exclusively to the Member.

Section 5.2 Distributions. Distributions of Company profits and other assets shall be made exclusively to the Member when and as determined by the Board; provided, however, that the Company shall make no distributions to the extent that, immediately after the distribution, the Company's liabilities would exceed the fair market value of its assets.

ARTICLE VI - MANAGEMENT OF THE COMPANY

Section 6.1 Management of the Company.

(a) Board of Managers. Subject to such matters that are expressly reserved hereunder or under the Act to the Member for decision, the business and affairs of the Company shall be managed under the direction and by the approval of a board of managers (the "Board"), which shall be responsible for setting policy, approving the overall direction of the Company and making all material decisions affecting the business and affairs of the Company. The Board shall consist of one (1) to five (5) individuals (the "Managers"), the exact number of Managers within such range to be determined, from time to time, by the Member. Each Manager shall be elected by the Member and shall serve until his or her successor has been duly elected and qualified, or until his or her earlier removal, resignation, death or disability. The Member may remove any Manager from the Board or from any other capacity with the Company, at any time, with or without cause. A Manager may resign at any time upon written notice to the Company.

(b) Vacancies. Any vacancy occurring on the Board as the result of the resignation, removal, death or disability of a Manager or an increase in the size of the Board shall be filled by the Member. A Manager chosen to fill a vacancy resulting from the resignation, removal, death or disability of a Manager shall serve the unexpired term of his or her predecessor in office.

(c) Action by the Board. Meetings of the Board may be called by the Member, any Manager or the President upon twenty-four hours prior notice to each Manager. Notice of any meeting may be waived by any Manager. The presence of a majority of the Managers then in office shall constitute a quorum at any meeting of the Board. All action of the Board shall require the affirmative vote of a majority of the Managers then in office. Meetings of the Board may be conducted in person or by conference telecommunications.

(d) Action by Written Consent. Any action required or permitted to be taken at any meeting of the Board may be taken without a meeting if such number of the Managers sufficient to approve such action pursuant to the terms of this Agreement consent thereto in writing.

(e) Power to Bind Company. None of the Managers (acting in their capacity as such) shall have the authority to bind the Company to any third party with respect to any matter unless the Board shall have approved such matter and authorized such Manager(s) to bind the Company with respect thereto.

Section 6.2 Officers.

(a) Officers of the Company. The officers of the Company shall consist of a President and a Secretary, and such Vice Presidents, Assistant Secretaries, Treasurers, Assistant Treasurers and other officers, which may include a Chairman of the Board, as may be appointed from time to time by or under the authority of the Board. The same individual may simultaneously hold more than one office in the Company, but no individual may act in more than one capacity where action of two or more officers is required. The title of any officer may include any additional designation descriptive of such officer's duties as the Board may prescribe. It shall not be necessary for any officer to be a Member or Manager.

(b) Appointment and Term. The officers of the Company shall be appointed by the Board or by a duly appointed officer authorized by the Board to appoint one or more officers or assistant officers; provided, however, that no officer may be authorized to appoint the Chairman of the Board or the President. Each officer shall hold office until his or her death, resignation, retirement, removal or disqualification or until such officer's successor is elected and qualified.

(c) Compensation. The compensation of all officers of the Company shall be fixed by or under the authority of the Board.

(d) Resignation and Removal of Officers. An officer may resign at any time by communicating such officer's resignation to the Company. A resignation is effective when it is communicated unless it specifies in writing a later effective date. If a resignation is made effective at a later date and the Company accepts the future effective date, the Board may fill the pending vacancy before the effective date if the Board provides that the successor does not take office until the effective date. The Board may remove any officer at any time with or without cause.

(e) Contract Rights of Officers. The appointment of an officer does not itself create contract rights. An officer's removal does not itself affect the officer's contract

rights, if any, with the Company, and an officer's resignation does not itself affect the Company's contract rights, if any, with the officer.

(f) Chairman of the Board. The Board may appoint from among its members an officer designated as the Chairman of the Board, but the appointment of a Chairman of the Board shall not be required. If a Chairman of the Board shall be appointed, then the Chairman of the Board shall, when present, preside at meetings of the Board and shall have such other duties and authority as may be prescribed by the Board from time to time.

(g) President. The President shall be the chief executive officer of the Company and shall have all of the duties and authority of that office. The President shall, subject to the direction and control of the Board, supervise and control the business and affairs of the Company. Such officer shall, when present, preside at all meetings of the Members. The President may sign, with the Secretary or any other proper officer of the Company thereunto authorized by the Board, any deeds, mortgages, bonds, contracts or other instruments which the Board has authorized to be executed, except in cases where the signing and execution thereof shall be expressly delegated by the Board or by these Bylaws to some other officer or agent of the Company, or shall be required by law to be otherwise signed or executed; and in general the President shall perform all duties incident to the position of chief executive officer and such other duties as may be prescribed by the Board from time to time. In addition, the President shall perform such other duties and shall have such other authority as the Board shall prescribe.

(h) Vice Presidents. In the absence of the President or in the event of the President's death, inability or refusal to act, the Vice Presidents, in the order of their length of service as such, unless otherwise determined by the Board, shall have the authority and perform the duties of the President. In addition, each Vice President shall perform such other duties and shall have such other powers as are normally incident to the office of vice president or as shall be prescribed by the President or the Board.

(i) Secretary. The Secretary shall: (a) keep the minutes of the Members and of the Board meetings in one or more books provided for that purpose; (b) have the responsibility and authority to maintain and authenticate the records of the Company; (c) see that all notices are duly given in accordance with the provisions of this Agreement or as required by law; (d) be custodian of the corporate records and of the seal of the Company and see that the seal of the Company is affixed to all documents the execution of which on behalf of the Company under its seal is duly authorized; (e) keep a register of the address of each Member which shall be furnished to the Secretary by such Member; (f) sign with the President certificates for Membership Interests, the issuance of which shall have been authorized by resolution of the Board; (g) have general charge of the Membership Interest transfer books of the Company; and (h) in general perform all duties incident to the office of the Secretary and such other duties as from time to time may be assigned to the Secretary by the President of the Company or by the Board.

(j) Treasurer. The Treasurer shall: (a) have charge and custody of all funds and securities of the Company; receive and give receipts for moneys due and payable to the Company from any source whatsoever, and deposit all such moneys in the name of the Company in such banks, trust companies or other depositories as shall be selected by the

Board; and (b) in general perform all of the duties incident to the office of Treasurer and such other duties as from time to time may be assigned to the Treasurer by the President of the Company or by the Board. In the absence of a Treasurer, the duties and authority of that office shall be assigned to such officer as may be designated by the President or by the Board.

(k) Assistant Secretaries and Assistant Treasurers. The Assistant Secretaries and Assistant Treasurers, if any, shall, in the event of the death or inability or refusal to act of the Secretary or the Treasurer, respectively, have all the powers and perform all of the duties of those offices, and they shall, in general, perform such duties as shall be assigned to them by the Secretary or the Treasurer, respectively, or by the President of the Company or the Board.

Section 6.3 Limitation on Liability of Managers and Officers.

(a) To the fullest extent permitted under the Act or any other applicable law as currently or hereafter in effect, (i) no Manager, or any Affiliate of any Manager, shall be liable, responsible or accountable in damages or otherwise to the Company for or with respect to any action taken or failure to act on behalf of the Company and (ii) no officer, or any Affiliate of an officer, shall be personally liable, responsible or accountable in damages or otherwise to the Company or the Member for or with respect to any action taken or failure to act on behalf of the Company within the scope of the authority duly delegated to such officer by the Board or the President pursuant to Section 6.2 hereto. In addition to, and not by way of limitation of, the preceding sentence, neither any Manager nor any officer shall be liable to the Company for monetary damages for breach of fiduciary duty as a Manager or officer, as applicable, except for liability for acts or omissions not in good faith or which involve fraud, gross negligence, willful misconduct or a knowing violation of law. Any repeal or modification of this Section 6.3 shall not adversely affect any existing right or protection of any Manager or officer, or any right or protection based on a state of facts existing prior to such repeal or modification.

(b) Each Manager and officer shall be fully protected in relying in good faith upon the records of the Company and upon such information, opinions, reports or statements presented to the Company by any Person as to the matters such Manager or officer reasonably believes are within such other Person's professional or expert competence and who has been selected with reasonable care by or on behalf of the Company, including information, opinions, reports or statements as to the value and amount of the assets, liabilities, profits, losses or net cash flow or any other facts pertinent to the existence and amount of assets from which distributions to the Member might properly be paid.

Section 6.4 Indemnification and Liability.

(a) The Company shall indemnify and hold harmless each Manager, each officer and their respective Affiliates, agents, officers, employees, representatives, directors or members of the Member (individually, an "Indemnitee") to the full extent permitted by law from and against any and all losses, claims, demands, costs, damages, liabilities (joint and several), expenses of any nature (including attorneys' fees and disbursements), judgments, fines, settlements, and other amounts arising from any and all claims, demands, actions,

suits, or proceedings, civil, criminal, administrative, or investigative, in which the Indemnitee may be involved, or threatened to be involved as a party or otherwise, relating to the performance or nonperformance of any act in serving the Company or otherwise concerning the activities of the Company, if the Indemnitee's conduct (i) was in good faith, within the scope of such Indemnitee's authority and in a manner it reasonably believed to be in, or not contrary to, the best interests of the Company; and (ii) did not constitute fraud, gross negligence, willful misconduct, or a knowing violation of law. The termination of an action, suit, or proceeding by judgment, order, settlement, or upon a plea of nolo contendere or its equivalent, shall not, in and of itself, create a presumption or otherwise constitute evidence that the Indemnitee's conduct constitutes fraud, gross negligence, willful misconduct, or a knowing violation of law.

(b) In the sole discretion of the Board, expenses incurred by an Indemnitee in defending any claim, demand, action, suit, or proceeding subject to this Section 6.4 may be advanced by the Company prior to the final disposition of such claim, demand, action, suit, or proceeding upon receipt by the Company of a written commitment by or on behalf of the Indemnitee to repay such amount if it shall be determined that such Indemnitee is not entitled to be indemnified as authorized in this Section 6.4.

(c) Any indemnification provided hereunder shall be satisfied solely out of the Company's assets, as an expense of the Company. The Member shall not be liable by reason of these indemnification provisions.

(d) The provisions of this Section 6.4 are for the benefit of the Indemnitees and shall not be deemed to create any rights for the benefit of any other Person.

(e) No Indemnitee shall be liable to the Company or to the Member for any losses sustained or liabilities incurred as a result of any act or omission of such Indemnitee if the Indemnitee's conduct (i) was in good faith, within the scope of such Indemnitee's authority, and in a manner it reasonably believed to be in, or not contrary to, the best interests of the Company, and (ii) did not constitute fraud, gross negligence, willful misconduct, or a knowing violation of law.

Section 6.5 No Fiduciary Duties. The Member shall have no fiduciary duties to the Company. In particular (but without limitation), the Member shall have no duty: (a) not to compete with the Company; (b) to disclose business opportunities to the Company; (c) to avoid self-interested transactions with the Company; or (d) to avoid improper personal benefit in respect of the Company.

ARTICLE VII - DISSOLUTION

Section 7.1 Dissolution of the Company. The Company shall be dissolved, and shall terminate and wind up its affairs, upon the first to occur of the following:

- (a) the determination by the Member to dissolve the Company; or
- (b) the entry of a decree of judicial dissolution, as provided in Section 18-802 of the Act.

Section 7.2 Winding Up and Distribution of Assets.

(a) If the Company is dissolved, the Member shall wind up the affairs of the Company. Upon the winding up of the Company, subject to the provisions of the Act, the Member shall pay or make reasonable provision to pay all claims and obligations of the Company, including all costs and expenses of the liquidation and all contingent, conditional or unmatured claims and obligations that are known to the Member but for which the identity of the claimant is unknown. If there are sufficient assets, such claims and obligations shall be paid in full and any such provision shall be made in full.

(b) Upon any such dissolution of the Company, the net assets, if any, of the Company available for distribution, and any cash proceeds from the liquidation of any such assets, shall be applied and distributed in the following order, to the extent available:

(i) First, to the Company's creditors, including the Member as creditor (to the extent permitted by law), in satisfaction of liabilities of the Company; and

(ii) Thereafter, to the Member.

ARTICLE VIII - MISCELLANEOUS

Section 8.1 Governing Law And Jurisdiction. This Agreement, including its existence, validity, construction and operating effect, and the rights of the Member under the Agreement shall be governed by and construed in accordance with the laws of the State of Delaware (without regard to principles of conflicts of laws).

Section 8.2 Amendments. This Agreement may only be amended, modified or supplemented in a writing executed by the Member and the Company. No other written or oral agreement, understanding, instrument or writing (other than this agreement or any amendment hereto) shall constitute part of this Agreement.

Section 8.3 Binding Effect. The terms, conditions and provisions of this Agreement shall inure to the benefit of, and be binding upon, the parties hereto and their respective heirs, successors, distributees, legal representatives and permitted assigns, provided, however, nothing in this Agreement, expressed or implied, is intended or shall be construed to give to any creditor of the Company or any creditor of the Member or any other Person whatsoever, other than the Member and the Company, any legal or equitable right, remedy or claim under or in respect of this Agreement or any covenant, condition or provisions herein contained, and such provisions are and shall be held to be for the sole and exclusive benefit of the Member and the Company.


Section 8.4 Severability. The invalidity or unenforceability of any particular provision of this Agreement shall not affect the other provisions hereof, and this Agreement shall be construed in all respects as if such invalid or unenforceable provision were omitted.

[Signature page follows.]

IN WITNESS WHEREOF, this Amended and Restated Limited Liability Company Operating Agreement is executed the day and year first above written.


MEMBER:

ARGOS USA CORP.

By: 
Name: Eric Flesch
Title: President

COMPANY:

ARGOS CEMENT LLC

By: 
Name: Eric Flesch
Title: President

ATTACHMENT S
TITLE V PERMIT REVISION INFORMATION

Provided in this section is an Attachment S – Title V Permit Revision Information Form for the Martinsburg Plant and an Attachment S-1 documenting draft permit language for proposed changes to the PSD Construction Permit and Title V Operating Permit.

Attachment S
Title V Permit Revision Information

1. New Applicable Requirements Summary	
Mark all applicable requirements associated with the changes involved with this permit revision:	
<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 (45CSR15)	<input type="checkbox"/> Nonattainment NSR (45CSR19)
<input type="checkbox"/> Section 111 NSPS (Subpart(s) _____)	<input checked="" type="checkbox"/> Section 112(d) MACT standards (Subpart(s) <u>ZZZZ</u>)
<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 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) ⁽¹⁾
<input type="checkbox"/> NO _x Budget Trading Program Non-EGUs (45CSR1)	<input type="checkbox"/> NO _x Budget Trading Program EGUs (45CSR26)
⁽¹⁾ If this box is checked, please include Compliance Assurance Monitoring (CAM) Form(s) for each Pollutants Specific Emission Unit (PSEU) (See Attachment H to Title V Application). If this box is not checked, please explain why Compliance Assurance Monitoring is not applicable:	

2. Non Applicability Determinations
List all requirements, which the source has determined not applicable to this permit revision and for which a permit shield is requested. The listing shall also include the rule citation and a rationale for the determination.
<input type="checkbox"/> Permit Shield Requested <i>(not applicable to Minor Modifications)</i>

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

3. Suggested Title V Draft Permit Language

Are there any changes involved with this Title V Permit revision outside of the scope of the NSR Permit revision? Yes No If Yes, describe the changes below.

Also, please provide **Suggested Title V Draft Permit language** for the proposed Title V Permit revision (including all applicable requirements associated with the permit revision and any associated monitoring /recordkeeping/ reporting requirements), OR attach a marked up pages of current Title V Permit. Please include appropriate citations (Permit or Consent Order number, condition number and/or rule citation (e.g. 45CSR§7-4.1)) for those requirements being added / revised.

See Attachment S-1 – PSD R14-026M Draft Permit Language

4. Active NSR Permits/Permit Determinations/Consent Orders Associated With This Permit Revision

Permit or Consent Order Number	Date of Issuance	Permit/Consent Order Condition Number
R30-00300006-2017	10/12/2017	
R14-0026M	4/8/2016	
	/ /	

5. Inactive NSR Permits/Obsolete Permit or Consent Orders Conditions Associated With This Revision

Permit or Consent Order Number	Date of Issuance	Permit/Consent Order Condition Number
	MM/DD/YYYY	
	/ /	
	/ /	

6. Change in Potential Emissions

Pollutant	Change in Potential Emissions (+ or -), TPY
See Attachment N	

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

7. Certification For Use Of Minor Modification Procedures (Required Only for Minor Modification Requests)

Note: This certification must be signed by a responsible official. Applications without a signed certification will be returned as incomplete. The criteria for allowing the use of Minor Modification Procedures are as follows:

- i. Proposed changes do not violate any applicable requirement;
- ii. Proposed changes do not involve significant changes to existing monitoring, reporting, or recordkeeping requirements in the permit;
- iii. Proposed changes do not require or change a case-by-case determination of an emission limitation or other standard, or a source-specific determination for temporary sources of ambient air quality impacts, or a visibility increment analysis;
- iv. Proposed changes do not seek to establish or change a permit term or condition for which there is no underlying applicable requirement and which permit or condition has been used to avoid an applicable requirement to which the source would otherwise be subject (synthetic minor). Such terms and conditions include, but are not limited to a federally enforceable emissions cap used to avoid classification as a modification under any provision of Title I or any alternative emissions limit approved pursuant to regulations promulgated under § 112(j)(5) of the Clean Air Act;
- v. Proposed changes do not involve preconstruction review under Title I of the Clean Air Act or 45CSR14 and 45CSR19;
- vi. Proposed changes are not required under any rule of the Director to be processed as a significant modification;

Notwithstanding subparagraph 45CSR§30-6.5.a.1.A. (items i through vi above), minor permit modification procedures may be used for permit modifications involving the use of economic incentives, marketable permits, emissions trading, and other similar approaches, to the extent that such minor permit modification procedures are explicitly provided for in rules of the Director which are approved by the U.S. EPA as a part of the State Implementation Plan under the Clean Air Act, or which may be otherwise provided for in the Title V operating permit issued under 45CSR30.

Pursuant to 45CSR§30-6.5.a.2.C., the proposed modification contained herein meets the criteria for use of Minor permit modification procedures as set forth in Section 45CSR§30-6.5.a.1.A. The use of Minor permit modification procedures are hereby requested for processing of this application.

(Signed):


(Please use blue ink)

Named (typed):

Heinz Knopf

Date:

JAN 14 2018
(Please use blue ink)

Title:

Plant Manager

Note: Please check if the following included (if applicable):

- Compliance Assurance Monitoring Form(s)
- Suggested Title V Draft Permit Language

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

ATTACHMENT S-1 – PSD R14-0026M DRAFT PERMIT LANGUAGE CHANGES

To facilitate WVDEP’s review of this Application and incorporation of the Application changes into the PSD Construction Permit issued for this Application, Argos is providing the following list of proposed changes to existing conditions. All changes to emissions tables are based on the calculations in Table N-2 of Attachment N. These changes should also be incorporated into the next update of the Title V Operating Permit.

Condition A.2 – Revise the table to reflect the following changes:

Pollutant	Allowable Emissions (tpy)
PM _{2.5}	222.30 222.65
PM ₁₀	584.65 585.00
TSP	927.69 928.04
SO ₂	4,515.50 4,517.63
NO _x (as NO ₂)	4,031.75 4,041.69
CO	4,458.50 4,464.54
VOC	158.78 159.88

Condition A.32 – Add the following new Group 8 fugitive emission source:

EP ID	EP Description	TSP (tpy)	PM₁₀ (tpy)
EPOG.02	Air Compressor Engine	0.35	0.35

Condition A.32 - Revise the Group 8 emission limits “emissions from the combined above sources (both point and fugitive) shall not exceed 324.65 tons per year of TSP nor 98.39 tons per year of PM₁₀ based on a 12 month rolling total.”

**APPENDIX B – ENGINE PERFORMANCE DATA AND CONFORMITY
CERTIFICATION**

Engine Model Summary Form

ATTACHMENT Pg 1 of 1

U-R-002-02.16

Manufacturer: **Cummins Inc.**
 Engine category: **Nonroad CI**
 EPA Engine Family: **4CEXL015.AAA**
 Mfr Family Name: **A103**
 Process Code: **New Submission**

1.Engine Code	2.Engine Model	3.BHP@RPM (SAE Gross)	4.Fuel Rate: mm/stroke @ peak HP (for diesel only)	5.Fuel Rate: (lbs/hr) @ peak HP (for diesels only)	6.Torque @ RPM (SEA Gross)	7.Fuel Rate: mm/stroke@peak torque	8.Fuel Rate: (lbs/hr)@peak torque	9.Emission Control Device Per SAE J1930
2825-FR10318	Q5X15-C	600@1800	328	199	2050@1400	417	197	PCM,TC,CAC
2825-FR10310	Q5X15-C	500@2100	243	172.4	1743@1400	376	177.1	PCM,TC,CAC
2825-FR10320	Q5X15-C	600@2100	294	208	2050@1400	415	196	PCM,TC,CAC
2825-FR10342	Q5X15-C	460@1800	254	154.3	1743@1400	356	168.1	PCM,TC,CAC
2825-FR10375	Q5X15-C	560@1800	314	190.5	2050@1400	417	197.0	PCM,TC,CAC
2825-FR10376	Q5X15-C	540@2100	264	167.2	1730@1400	357	168.5	PCM,TC,CAC
2825-FR10377	Q5X15-C	525@2100	259	163.7	1743@1400	375	177.1	PCM,TC,CAC
2825-FR10378	Q5X15-C	475@2100	238	168.2	1743@1400	375	177.1	PCM,TC,CAC
2825-FR10381	Q5X15-C	530@1800	252	178.4	1706@1400	343	162.0	PCM,TC,CAC
2825-FR10383	Q5X15-C	510@1800	242	171.1	1743@1400	375	177.1	PCM,TC,CAC
2825-FR10465	Q5X15-C	475@1800	261	158.3	1625@1400	327	154.2	PCM,TC,CAC
2825-FR10491	Q5X15-C	635@2100	309	219.0	2050@1400	417	197	PCM,TC,CAC

 AIR RESOURCES BOARD	Cummins Inc.	EXECUTIVE ORDER U-R-002-0216 New Off-Road Compression-Ignition Engines
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Pursuant to the authority vested in the Air Resources Board by Sections 43013, 43018, 43101, 43102, 43104 and 43105 of the Health and Safety Code; and

Pursuant to the authority vested in the undersigned by Sections 39515 and 39516 of the Health and Safety Code and Executive Order G-02-003;

IT IS ORDERED AND RESOLVED: That the following compression-ignition engine and emission control system produced by the manufacturer are certified as described below for use in off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	ENGINE FAMILY	DISPLACEMENT (liters)	FUEL TYPE	USEFUL LIFE (hours)
2004	4CEXL015.AAA	15.0	Diesel	8000
SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION	
Direct Diesel Injection, Turbocharger, Charge Air Cooler, Powertrain Control Module			Loader, Tractor, and Other Industrial Equipment	

The engine models and codes are attached.

The following are the exhaust certification standards (STD), or family emission limit(s) (FEL) as applicable, and certification levels (CERT) for hydrocarbon (HC), oxides of nitrogen (NOx), or non-methane hydrocarbon plus oxides of nitrogen (NMHC+NOx), carbon monoxide (CO), and particulate matter (PM) in grams per kilowatt-hour (g/kw-hr), and the opacity-of-smoke certification standards and certification levels in percent (%) during acceleration (Accel), lugging (Lug), and the peak value from either mode (Peak) for this engine family (Title 13, California Code of Regulations, (13 CCR) Section 2423):

RATED POWER CLASS	EMISSION STANDARD CATEGORY		EXHAUST (g/kw-hr)					OPACITY (%)		
			HC	NOx	NMHC+NOx	CO	PM	ACCEL	LUG	PEAK
225 ≤ kW ≤ 560	Tier 2	STD	N/A	N/A	6.4	3.5	0.20	20	15	50
		FEL	N/A	N/A	N/A	N/A	0.12	N/A	N/A	N/A
		CERT	--	--	5.8	0.4	0.07	15	1	42

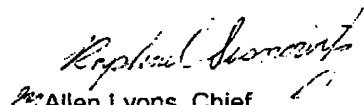
BE IT FURTHER RESOLVED: That the family emission limit(s) (FEL) is an emission level declared by the manufacturer for use in any averaging, banking and trading program and in lieu of an emission standard for certification. It serves as the applicable emission standard for determining compliance of any engine within this engine family under 13 CCR Sections 2423 and 2427.

BE IT FURTHER RESOLVED: That for the listed engine models, the manufacturer has submitted the information and materials to demonstrate certification compliance with 13 CCR Section 2424 (emission control labels), and 13 CCR Sections 2425 and 2426 (emission control system warranty).

Engines certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Engines in this family that are produced for any other model-year are not covered by this Executive Order.

Executed at El Monte, California on this 7th day of August 2003.


 Allen Lyons, Chief
 Mobile Source Operations Division

APPENDIX C –ELECTRONIC COPY OF APPLICATION
