

STATE OF MISSISSIPPI AIR POLLUTION CONTROL PERMIT

**AND PREVENTION OF SIGNIFICANT
DETERIORATION AUTHORITY
TO CONSTRUCT AIR EMISSIONS EQUIPMENT
THIS CERTIFIES THAT**

Roxul USA, Inc.
4594 Cayce Road
Byhalia, Mississippi
Marshall County

has been granted permission to construct air emissions equipment to comply with emission limitations, monitoring requirements and other conditions set forth herein. This permit is issued in accordance with the provisions of the Mississippi Air and Water Pollution Control Law (Section 49-17-1 et. seq., Mississippi Code of 1972), and the regulations and standards adopted and promulgated thereunder and under authority granted by the Environmental Protection Agency under 40 CFR 52.01 and 52.21.

MISSISSIPPI ENVIRONMENTAL QUALITY PERMIT BOARD



AUTHORIZED SIGNATURE

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Issued: August 22, 2012

Permit No.: 1780-00052

Modified: February 25, 2014, and February 1, 2017

Part I

A. GENERAL CONDITIONS

1. This permit is for air pollution control purposes only. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.1.D.)
2. Any activities not identified in the application are not authorized by this permit. (Ref.: Miss. Code Ann. 49-17-29 1.b)
3. The knowing submittal of a permit application with false information may serve as the basis for the Permit Board to void the permit issued pursuant thereto or subject the applicant to penalties for operating without a valid permit pursuant to State Law. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(5).)
4. It is the responsibility of the applicant/permittee to obtain all other approvals, permits, clearances, easements, agreements, etc., which may be required including, but not limited to, all required local government zoning approvals or permits. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.1.D(6).)
5. The issuance of a permit does not release the permittee from liability for constructing or operating air emissions equipment in violation of any applicable statute, rule, or regulation of state or federal environmental authorities. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(7).)
6. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit, unless halting or reducing activity would create an imminent and substantial endangerment threatening the public health and safety of the lives and property of the people of this state. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(15)(a).)
7. The permit and/or any part thereof may be modified, revoked, reopened, and reissued, or terminated for cause. Sufficient cause for a permit to be reopened shall exist when an air emissions stationary source becomes subject to Title V. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(15)(b).)
8. The permit does not convey any property rights of any sort, or any exclusive privilege. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(15)(c).)
9. The permittee shall furnish to the DEQ within a reasonable time any information the DEQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the DEQ copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee shall furnish such records to the DEQ along with a claim of confidentiality. The permittee may furnish such records directly to the Administrator along with a claim of confidentiality. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.B(15)(d).)

10. Design and Construction Requirements: The stationary source shall be designed and constructed so as to operate without causing a violation of an Applicable Rules and Regulations, without interfering with the attainment and maintenance of State and National Ambient Air Quality Standards, and such that the emission of air toxics does not result in an ambient concentration sufficient to adversely affect human health and well-being or unreasonably and adversely affect plant or animal life beyond the stationary source boundaries. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.A.)
11. Solids Removal: The necessary facilities shall be constructed so that solids removed in the course of control of air emissions may be disposed of in a manner such as to prevent the solids from becoming windborne and to prevent the materials from entering State waters without the proper environmental permits. (Ref.: Miss. Code Ann. 49-17-29)
12. Diversion and Bypass of Air Pollution Controls: The air pollution control facilities shall be constructed such that diversion from or bypass of collection and control facilities is not needed except as provided for in 11 Miss. Admin. Code Pt. 2, R. 1.1.10, "Air Emission Regulations for the Prevention, Abatement, and Control of Air Contaminants", Section 10. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.10.)
13. Fugitive Dust Emissions from Construction Activities: The construction of the stationary source shall be performed in such a manner so as to reduce fugitive dust emissions from construction activities to a minimum. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.A(4).)
14. Right of Entry: The permittee shall allow the Mississippi Department of Environmental Quality Office of Pollution Control and the Mississippi Environmental Quality Permit Board and/or their representatives upon presentation of credentials:
 - a) To enter upon the permittee's premises where an air emission source is located or in which any records are required to be kept under the terms and conditions of this permit; and
 - b) At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any air emissions. (Ref.: Miss. Code Ann. 49-17-21)
15. Permit Modification or Revocation: After notice and opportunity for a hearing, the Permit Board may modify the permit or revoke it in whole or in part for good cause shown including, but not limited to:
 - a) Persistent violation of any of the terms or conditions of this permit;
 - b) Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
 - c) A change in federal, state, or local laws or regulations that require either a temporary or permanent reduction or elimination of previously authorized air emission.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.2.C.)

16. Public Record and Confidential Information: Except for data determined to be confidential under the Mississippi Air & Water Pollution Control Law, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Mississippi Department of Environmental Quality, Office of Pollution Control. (Ref.: Miss. Code Ann. 49-17-39)
17. Permit Transfer: This permit shall not be transferred except upon approval of the Permit Board. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.16.B.)
18. Severability: The provisions of this permit are severable. If any provision of the permit, or the application of any provision of the permit to any circumstances, is challenged or held invalid, the validity of the remaining permit provisions and/or portions thereof or their application to other persons or sets of circumstances, shall not be affected thereby. (Ref. 11 Miss. Admin. Code Pt. 2, R. 2.1.D(7).)
19. Permit Expiration: The permit to construct will expire if construction does not begin within eighteen (18) months from the date of issuance or if construction is suspended for eighteen (18) months or more. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.C(1).)
20. Certification of Construction: A new stationary source issued a Permit to Construct cannot begin operation until certification of construction by the permittee. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.D(3).)
21. Beginning Operation: Except as prohibited in Part I, Condition 24 of this permit, after certification of construction by the permittee, the Permit to Construct shall be deemed to satisfy the requirement for a permit to operate until the date the application for issuance or modification of the Title V Permit or the application for issuance or modification of the State Permit to Operate, whichever is applicable, is due. This provision is not applicable to a source excluded from the requirement for a permit to operate as provided by 11 Miss. Admin. Code Pt. 2, R. 2.13.G. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.D(4).)
22. Application for a Permit to Operate: Except as otherwise specified in Part I, Condition 24 of this permit, the application for issuance or modification of the State Permit to Operate or the Title V Permit, whichever is applicable, is due twelve (12) months after beginning operation or such earlier date or time as specified in the Permit to Construct. The Permit Board may specify an earlier date or time for submittal of the application. Beginning operation will be assumed to occur upon certification of construction, unless the permittee specifies differently in writing. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.D(5).)
23. Operating Under a Permit to Construct: Except as otherwise specified in Part I, Condition 24 of this permit, upon submittal of a timely and complete application for issuance or modification of a State Permit to Operate or a Title V Permit, whichever is applicable, the applicant may continue to operate under the terms and conditions of the Permit to Construct and in compliance with the submitted application until the Permit Board issues, modifies, or denies the Permit to Operate. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.D(6).)

24. Application Requirements for a Permit to Operate for Moderate Modifications: For moderate modifications that require contemporaneous enforceable emissions reductions from more than one emission point in order to “net” out of PSD/NSR, the applicable Title V Permit to Operate or State Permit to Operate must be modified prior to beginning operation of the modified facilities. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.D(7).)

25. Compliance Testing: Regarding compliance testing:

- a) The results of any emissions sampling and analysis shall be expressed both in units consistent with the standards set forth in any Applicable Rules and Regulations or this permit and in units of mass per time.
- b) Compliance testing will be performed at the expense of the permittee.
- c) Each emission sampling and analysis report shall include but not be limited to the following:
 - (1) detailed description of testing procedures;
 - (2) sample calculation(s);
 - (3) results; and
 - (4) comparison of results to all Applicable Rules and Regulations and to emission limitations in the permit.

(Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.6.B(3), (4), & (6).)

B. GENERAL NOTIFICATION REQUIREMENTS

- 1. Within fifteen (15) days of beginning actual construction, the permittee must notify DEQ in writing that construction has begun. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.C(2).)
- 2. The permittee must notify DEQ in writing when construction does not begin within eighteen (18) months of issuance or if construction is suspended for eighteen (18) months or more. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.C(3).)
- 3. Upon the completion of construction or installation of an approved stationary source or modification, the applicant shall notify the Permit Board that construction or installation was performed in accordance with the approved plans and specifications on file with the Permit Board. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.D(1).)
- 4. The Permit Board shall be promptly notified in writing of any change in construction from the previously approved plans and specifications or permit. If the Permit Board determines the changes are substantial, it may require the submission of a new application to construct with “as built” plans and specifications. Notwithstanding any provision herein to the contrary, the acceptance of an “as built” application shall not constitute a waiver of the right

to seek compliance penalties pursuant to State Law. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 2.5.D(2).)

Part II.
EMISSION LIMITATIONS AND MONITORING REQUIREMENTS

The permittee is authorized to construct air emissions equipment for the emission of air contaminants from the Mineral Wool Insulation Manufacturing Facility:

| Emission Point | Description |
|-----------------------|--|
| AA-000 | Mineral Wool Insulation Manufacturing Facility |
| AA-100 | Mineral Wool Line 1 (L1) |
| AA-101 | Melting Furnace firing coal, natural gas, and oxygen with secondary combustion chamber and integrated SNCR equipped with one (1) baghouse and one (1) fabric filter with dry sorbent and semi-dry recycle sorbent injection. |
| AA-102 | Spinning Chamber with pretreatment filtration and a Cooling Section with pretreatment filtration; equipped with a wet electrostatic precipitator for control of particulate matter emissions. |
| AA-103 | Curing Oven consisting of two (2) natural gas-fired circulation burners and equipped with pretreatment filtration and a natural gas-fired main burner afterburner. |
| AA-105 | Cutting Dust Baghouse |
| AA-106 | Two (2) Cooling Towers |
| AA-107 | Line Dust Baghouse |
| AA-108 | Vacuum Cleaning Baghouse |
| AA-109 | Fugitive Emissions from Material Handling |
| AA-110 | Product Marking |
| AA-111 | Conveyor Transfer Point (No. 2) with fabric filter for control of particulate matter emissions. |
| AA-112 | Charging Building Material Handling with fabric filter for control of particulate matter emissions. |
| AA-113 | Charging Building Vacuum System with fabric filter for control of particulate matter emissions |
| AA-114 | Two (2) coal storage silos with bin vent filters for control of particulate matter emissions. |
| AA-115 | Coal Feed Tank with bin vent filter for control of particulate matter emissions. |

| Emission Point | Description |
|-----------------------|--|
| AA-116 | Filter Fines Receiving Silo with bin vent filter for control of particulate matter emissions. |
| AA-117 | Filter Fines Day Silo with bin vent filter for control of particulate matter emissions. |
| AA-118 | Dry Ice Cleaning |
| AA-119 | Fleece Application |
| AA-120 | Lime Storage Silo |
| AA-200 | Mineral Wool Line 2 (L2) |
| AA-201 | Melting Furnace firing coal, natural gas, and oxygen with secondary combustion chamber and integrated SNCR equipped with one (1) baghouse and one (1) fabric filter with dry sorbent and semi-dry recycle sorbent injection. |
| AA-202 | Spinning Chamber with pretreatment filtration and a Cooling Section with pretreatment filtration; equipped with a wet electrostatic precipitator for control of particulate matter emissions. |
| AA-203 | Curing Oven consisting of two (2) natural gas-fired circulation burners and equipped with pretreatment filtration and a natural gas-fired main burner afterburner. |
| AA-205 | Cutting Dust Baghouse |
| AA-206 | Two (2) Cooling Towers |
| AA-207 | Line Dust Baghouse |
| AA-208 | Vacuum Cleaning Baghouse |
| AA-209 | Fugitive Emissions from Material Handling |
| AA-210 | Product Marking |
| AA-211 | Conveyor Transfer Point (No. 2) with fabric filter for control of particulate matter emissions. |
| AA-212 | Charging Building Material Handling with fabric filter for control of particulate matter emissions. |
| AA-213 | Charging Building Vacuum System with fabric filter for control of particulate matter emissions |

| Emission Point | Description |
|-----------------------|---|
| AA-214 | Two (2) coal storage silos with bin vent filters for control of particulate matter emissions. |
| AA-215 | Coal Feed Tank with bin vent filter for control of particulate matter emissions |
| AA-216 | Filter Fines Receiving Silo with bin vent filter for control of particulate matter emissions |
| AA-217 | Filter Fines Day Silo with bin vent filter for control of particulate matter emissions |
| AA-218 | Dry Ice Cleaning |
| AA-219 | Fleece Application |
| AA-220 | Lime Storage Silo |
| AA-300 | Recycle Plant (RP1) |
| AA-304 | Melting Furnace Portable Crusher |
| AA-305 | Fugitive Emissions from Recycle Plant Material Handling |
| AA-400 | Bitumen Line (BIP1) |
| AA-401 | Coating and Cooling equipped with a particulate filter |
| AA-402 | Bitumen Storage Tank |
| AA-500 | Rockfon Line (RFN1) |
| AA-501 | IR Zone |
| AA-502 | Hot Press & Cure |
| AA-503 | De-dusting Baghouse |
| AA-504 | Drying Oven 1 |
| AA-505 | High Oven A |
| AA-506 | Drying Oven 2 & 3 |
| AA-507 | Cooling Zone |

| Emission Point | Description |
|-----------------------|--|
| AA-508 | High Oven B |
| AA-509 | Spray Paint Cabin |
| AA-510 | Rockfon Building Exhaust |
| AA-600 | Other Facility-Wide Operations and Activities |
| AA-600a | 3.0 MMBTUH natural gas-fired boiler equipped with a low-NO _x burner |
| AA-600b | 3.0 MMBTUH natural gas-fired boiler equipped with a low-NO _x burner |
| AA-600c | 197 horsepower diesel-fired emergency fire pump engine with dedicated 180-gallon diesel fuel tank |
| AA-600d | 197 horsepower diesel-fired emergency fire pump engine with dedicated 180-gallon diesel fuel tank |
| AA-600e | Welding shop equipped with a vent filter to serve Mineral Wool Lines 1 and 2. |
| AA-600f | 3.0 MMBTUH natural gas-fired boiler equipped with a low-NO _x burner |
| AA-600g | 3.0 MMBTUH natural gas-fired boiler equipped with a low-NO _x burner |
| AA-600h | Rockfon Building 700 Natural Gas-fired Sources |
| AA-600i | Rockfon Miscellaneous Natural Gas-Fired Sources |
| AA-600j | Rockfon Maintenance Welding Shop |
| AA-601 | Facility-Wide Miscellaneous Operations Subject to 11 Miss. Admin. Code Pt. 2, Ch. 6 |
| AA-602 | Facility-Wide Storage Tanks (not identified elsewhere herein) |
| AA-602a | One (1) 581-gallon horizontal diesel fuel storage tank, one (1) 581-gallon horizontal used oil storage tank, one (1) 212-gallon thermal oil expansion tank, and one (1) 159-gallon thermal oil drain tank |
| AA-602b | Seven (7) 15,850-gallon vertical resin storage tanks, one (1) 15,850-gallon vertical de-dust oil storage tank, one (1) 264-gallon vertical coupling agent storage tank, one (1) 2,642-gallon vertical binder mix tank, one (1) 4,227-gallon vertical binder circulating tank, two (2) 793-gallon vertical binder day tanks, two (2) 264-gallon vertical de-dust oil day tanks, one (1) 793-gallon paint dilution tank, one (1) 397-gallon paint dilution day tank, one (1) 132-gallon coupling agent storage tank, and one (1) 53-gallon additive storage tank |
| AA-603 | Facility-Wide Fugitive Emissions |
| AA-603a | Facility-Wide Fugitive Emissions from Roadways |

Part III.
EMISSION POINT SPECIFIC LIMITATIONS AND STANDARDS

| Emission Point | Applicable Requirement | Condition Number | Pollutant/Parameter | Limit/Standard |
|---------------------------|---|------------------|--|--|
| AA-000 (Facility-wide) | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 | III.1 | CO ₂ e | 332,397.89 tpy |
| | | III.2 | NO _x | 409.84 tpy |
| | | III.3 | CO | 290.98 tpy |
| | | III.4 | SO ₂ | 759.88 tpy |
| | | III.5 | VOC | 1,889.57 tpy |
| | | III.6 | PM (filterable and condensable) | 429.85 tpy |
| | | | PM ₁₀ (filterable and condensable) | 425.53 tpy |
| | | III.7 | PM _{2.5} (filterable and condensable) | 209.06 tpy |
| | | III.8 | H ₂ SO ₄ | 30.16 tpy |
| | | III.9 | Opacity | 20% where otherwise not indicated and/or limited |
| | 11 Miss. Admin. Code Pt. 2, R. 1.4.B(1) | III.10 | SO ₂ | 500 ppmv |
| | 40 CFR 63, Subpart A | III.11 | NESHAP – Subpart A | Applicability of General Provisions |
| | 40 CFR 60, Subpart A | III.12 | NSPS – Subpart A | Applicability of General Provisions |

| Emission Point | Applicable Requirement | Condition Number | Pollutant/ Parameter | Limit/Standard |
|--|---|------------------|--|--|
| AA-100 and AA-200 (Mineral Wool Lines 1 and 2) | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014 | III.13 | CO ₂ e | BACT: 163,049.74 tpy for each line and good operation and maintenance to improve energy efficiency |
| | 40 CFR 63.1177 | III.14 | NESHAP – Subpart DDD | Applicability |
| AA-101 and AA-201 (Melting Furnaces on Lines 1 and 2) | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014 | III.15 | PM (filterable) | BACT: 0.10 lb/ton of melt and use of baghouse |
| | 40 CFR 63.1178(a)(1) | | | 0.10 lb/ton of melt |
| | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014 | III.16 | PM/PM ₁₀ (filterable and condensable) | BACT: 1.08 lb/ton of melt and use of baghouse |
| | | III.17 | PM _{2.5} (filterable and condensable) | BACT: 0.39 lb/ton of melt and use of baghouse |
| | | III.18 | SO ₂ | BACT: 78.77 lb/hr based on 30-day average (based on CEM for SO ₂) and use of a fabric filter with dry sorbent and semi-dry recycle sorbent injection |
| | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014 | III.19 | H ₂ SO ₄ | BACT: 0.12 lb/ton melt and use of a fabric filter with dry sorbent and semi-dry recycle sorbent injection |
| | | | | |

| Emission Point | Applicable Requirement | Condition Number | Pollutant/ Parameter | Limit/Standard |
|----------------|---|------------------|----------------------|--|
| | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014 | III.20 | CO | BACT: 13.29 lb/hr CO based on 30-day average (based on CEM for CO) and use of secondary combustion chamber |
| | | | VOC | |
| | | | NESHAP | 0.1 lb CO/ton melt or 99% destruction efficiency of CO |
| | 40 CFR 63.1178(a)(2) | | | BACT: 32.75 lb/hr based on 30-day average (based on CEMS for NO _x) and use of SNCR |
| | | | | |
| | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014 | III.21 | NO _x | BACT: use of natural gas and good combustion practices for preheat burners |

| Emission Point | Applicable Requirement | Condition Number | Pollutant/ Parameter | Limit/Standard |
|--|---|------------------|---|--|
| AA-102 and AA-202 (Spinning Chambers and Cooling Sections on Lines 1 and 2) | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014 | III.22 | PM/PM ₁₀ (filterable and condensable) | BACT: pretreatment filtration (Spinning Chamber) and pretreatment filtration (Cooling Section) |
| | | | | 13.21 lb/hr |
| | | III.23 | PM _{2.5} (filterable and condensable) | BACT: pretreatment filtration (Spinning Chamber) and pretreatment filtration (Cooling Section) |
| | | | | 7.29 lb/hr |
| | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014 | III.24 | SO ₂ | BACT: Good operating practices |
| | | | H ₂ SO ₄ | |
| | | | NO _x | |
| | | | CO | |
| | | | VOC | |

| Emission Point | Applicable Requirement | Condition Number | Pollutant/ Parameter | Limit/Standard |
|--|--|------------------|--|--|
| AA-103 and AA-203 (Curing Ovens on Lines 1 and 2) | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014 | III.25 | PM/PM ₁₀ (filterable and condensable) | BACT: 6.25 lb/hr and use of pretreatment filtration |
| | | III.26 | PM _{2.5} (filterable and condensable) | BACT: 5.18 lb/hr and use of pretreatment filtration |
| | | III.27 | NO _x | BACT: 12.13 lb/hr and good combustion practices |
| | | | | BACT: 0.078 lb/MMBTU for circulation burners and afterburner when utilizing Natural Gas only |
| | | III.28 | SO ₂ | BACT: Good operating practices |
| | | | H ₂ SO ₄ | BACT: Good operating practices |
| | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014 | III.29 | CO | BACT: Use of Afterburner |
| | | | VOC | |
| | 40 CFR 63.1179(a)(1), (2) | | NESHAP | 0.06 lb of formaldehyde per ton melt or formaldehyde reduction of 80% |

| Emission Point | Applicable Requirement | Condition Number | Pollutant/ Parameter | Limit/Standard |
|---|--|------------------|--|--|
| AA-105, AA-205 AA-107, AA-207, AA-108, and AA-208 <i>(Cutting Dust, Line Dust, and Vacuum Cleaning Baghouses for Lines 1 and 2)</i> | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014 | III.30 | PM/PM ₁₀ (filterable) | BACT: 0.0044 gr/dscf, use of baghouse, and good housekeeping practices (for each baghouse) |
| | | III.31 | PM _{2.5} (filterable) | BACT: 0.0022 gr/dscf, use of baghouse, and good housekeeping practices (for each baghouse) |
| AA-106 and AA-206 <i>(Cooling Towers for Lines 1 and 2)</i> | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014 | III.32 | PM/PM ₁₀ /PM _{2.5} | BACT: High efficiency Mist Eliminators; 0.005% drift loss |
| AA-109 and AA-209 <i>(Fugitive Emissions from Material Handling on Lines 1 and 2)</i> | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014 | III.33 | PM/PM ₁₀ /PM _{2.5} | BACT: Partial enclosures and good housekeeping practices |

| Emission Point | Applicable Requirement | Condition Number | Pollutant/ Parameter | Limit/Standard |
|---|---|------------------|--|---|
| AA-110 and AA-210 (Product Marking for Lines 1 and 2) | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014 | III.34 | PM/PM ₁₀ /PM _{2.5} (filterable and condensable) | BACT: Good combustion practices |
| | | | SO ₂ | |
| | | | NO _x | |
| | | | VOC | |
| | | | CO | |
| AA-111 and AA-211 (Conveyor Transfer Point(No. 2) for Lines 1 and 2) | PSD Construction Permit Issued August 22, 2012, and modified February 25, 2014 | III.35 | PM/PM ₁₀ (filterable) | BACT: 0.02 tpy and use of fabric filter and good housekeeping practices |
| | | III.36 | PM _{2.5} (filterable) | BACT: 0.01 tpy and use of fabric filter and good housekeeping practices |
| | 40 CFR 60.672(a) | III.39 | NSPS | 0.014 gr/dscf |
| | 40 CFR 60.670 | III.40 | NSPS – Subpart OOO | Applicability |

| Emission Point | Applicable Requirement | Condition Number | Pollutant/ Parameter | Limit/Standard |
|--|--|------------------|----------------------------------|---|
| AA-112 and AA-212 (Charging Building Material Handling for Lines 1 and 2) | PSD Construction Permit Issued August 22, 2012, and modified February 25, 2014 | III.35 | PM/PM ₁₀ (filterable) | BACT: 0.24 tpy and use of fabric filter and good housekeeping practices |
| | | III.36 | PM _{2.5} (filterable) | BACT: 0.12 tpy and use of fabric filter and good housekeeping practices |
| | 40 CFR 60.672(a) | III.39 | NSPS | 0.014 gr/dscf |
| | | III.42 | | 7% Opacity |
| | 40 CFR 60.670 | III.40 | NSPS – Subpart OOO | Applicability |
| AA-113 and AA-213 (Charging Building Vacuum System for Lines 1 and 2) | PSD Construction Permit Issued August 22, 2012, and modified February 25, 2014 | III.37 | PM/PM ₁₀ (filterable) | BACT: 1.24 tpy and use of fabric filter and good housekeeping practices |
| | | III.38 | PM _{2.5} (filterable) | BACT: 0.62 tpy and use of fabric filter and good housekeeping practices |
| AA-114 and AA-214 (2 Coal Storage Silos on Lines 1 and 2) | PSD Construction Permit Issued August 22, 2012, and modified February 25, 2014 | III.41 | PM/PM ₁₀ (filterable) | BACT: 0.39 tpy and use of bin vent filter and good housekeeping practices |
| | | III.43 | PM _{2.5} (filterable) | BACT: 0.19 tpy and use of bin vent filter and good housekeeping practices |

| Emission Point | Applicable Requirement | Condition Number | Pollutant/Parameter | Limit/Standard |
|--|--|------------------|----------------------------------|---|
| AA-115 and AA-215 (Coal Feed Tank on Lines 1 and 2) | PSD Construction Permit Issued August 22, 2012, and modified February 25, 2014 | III.41 | PM/PM ₁₀ (filterable) | BACT: 0.39 tpy and use of bin vent filter and good housekeeping practices |
| | | III.43 | PM _{2.5} (filterable) | BACT: 0.19 tpy and use of bin vent filter and good housekeeping practices |
| AA-116 and AA-216 (Filter Fines Receiving Silos on Lines 1 and 2) | PSD Construction Permit Issued August 22, 2012, and modified February 25, 2014 | III.35 | PM/PM ₁₀ (filterable) | BACT: 0.24 tpy and use of fabric filter and good housekeeping practices |
| | | III.36 | PM _{2.5} (filterable) | BACT: 0.12 tpy and use of fabric filter and good housekeeping practices |
| | 40 CFR 60.672(a) | III.42 | NSPS | 7% Opacity |
| | 40 CFR 60.670 | III.40 | NSPS – Subpart OOO | Applicability |
| AA-117 and AA-217 (Filter Fines Day Silos on Lines 1 and 2) | PSD Construction Permit Issued August 22, 2012, and modified February 25, 2014 | III.35 | PM/PM ₁₀ (filterable) | BACT: 0.24 tpy and use of fabric filter and good housekeeping practices |
| | | III.36 | PM _{2.5} (filterable) | BACT: 0.12 tpy and use of fabric filter and good housekeeping practices |
| | 40 CFR 60.672(a) | III.42 | NSPS | 7% Opacity |
| | 40 CFR 60.670 | III.40 | NSPS – Subpart OOO | Applicability |

| Emission Point | Applicable Requirement | Condition Number | Pollutant/ Parameter | Limit/Standard |
|--|--|------------------|--|---|
| AA-119 and AA-219 (<i>Fleece Application for Lines 1 and 2</i>) | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 | III.65 | VOC | BACT: Compliance with NESHAP JJJJ (use of compliant coating) and good work practices |
| | 40 CFR 63.3290, 63.3320, 63.3321 | III.66 | NESHAP – Subpart JJJJ | Applicability, Emission Standards, and Operating Limits |
| AA-120 and AA-220 (<i>Lime Storage Silos on Lines 1 and 2</i>) | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 | III.67 | PM/PM ₁₀ | BACT: 0.04 lb/hr (24-hr average) and use of bin vent filter and good housekeeping practices |
| | | III.68 | PM _{2.5} | BACT: 0.02 lb/hr (24-hr average) and use of bin vent filter and good housekeeping practices |
| AA-304 (<i>Melting Furnace Portable Crusher</i>) | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014 | III.44 | PM/PM ₁₀ /PM _{2.5} | BACT: 12 hours/day, up to 360 hr/yr operational limit and good housekeeping practices |
| AA-305 (<i>Fugitive Emissions from Recycle Plant Material Handling</i>) | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014 | III.33 | PM/PM ₁₀ /PM _{2.5} | BACT: Use of partial enclosures and good housekeeping practices |

| Emission Point | Applicable Requirement | Condition Number | Pollutant/ Parameter | Limit/Standard |
|---|---|------------------|---|--|
| AA-401 (Bitumen Coating and Cooling) | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and 40 CFR 63, Subpart LLLLL | III.45 | PM/PM ₁₀ /PM _{2.5} (filterable and condensable) | BACT: Good operating practices in compliance with 40 CFR 63.8684 – Opacity < 20%; or reduce THC mass emissions by 95% |
| | 40 CFR 63.8681 | III.46 | NESHAP – Subpart LLLLL | Applicability |
| | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and 40 CFR 63.8684 | III.47 | VOC | BACT: 20 ppmv THC on a dry basis at 3% O ₂ or controlled in accordance with Subpart LLLLL |
| | 40 CFR 63.8684 | III.48 | Opacity | 20%, and limit visible emissions from emission capture system to 20% of any period of consecutive valid observations totaling 60 minutes |

| Emission Point | Applicable Requirement | Condition Number | Pollutant/ Parameter | Limit/Standard |
|----------------------------------|---|------------------|------------------------|--|
| AA-402 (Bitumen Storage Tank) | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014 | III.49 | VOC | BACT: Good operating practices |
| | 40 CFR 63.8681 | III.46 | NESHAP – Subpart LLLLL | Applicability |
| | 40 CFR 63.8684 | III.50 | Opacity | 0% |
| AA-500 (Rockfon Line) | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 | III.51 | CO ₂ e | BACT: 6,298.41 tpy and good operation and maintenance to improve energy efficiency |

| Emission Point | Applicable Requirement | Condition Number | Pollutant/ Parameter | Limit/Standard |
|--|--|------------------|---|--|
| <p>AA-501 (IR Zone for Rockfon Line)</p> <p>AA-502 (Hot Press and Cure for Rockfon Line)</p> <p>AA-503 (De-dusting for Rockfon Line)</p> <p>AA-507 (Cooling Zone for Rockfon Line)</p> <p>AA-509 (Spray Paint Cabin)</p> | <p>PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017</p> | III.52 | PM/PM ₁₀ (filterable and condensable) | <p>BACT: 0.02 lb/hr (24-hr average) and good housekeeping practices (AA-501)</p> <p>BACT: 0.02 lb/hr (24-hr average) and good housekeeping practices (AA-502)</p> <p>BACT: 0.34 lb/hr (24-hr average) use of baghouse and good housekeeping practices (AA-503)</p> <p>BACT: 0.19 lb/hr (24-hr average) and good housekeeping practices (AA-507)</p> <p>BACT: 0.88 lb/hr (24-hr average) use of filter and good housekeeping practices (AA-509)</p> |
| | | III.53 | PM _{2.5} (filterable and condensable) | <p>BACT: 0.01 lb/hr (24-hr average) and good operating practices (AA-501)</p> <p>BACT: 0.01 lb/hr (24-hr average) and good housekeeping practices (AA-502)</p> <p>BACT: 0.17 lb/hr (24-hr average) use of baghouse and good housekeeping practices (AA-503)</p> <p>BACT: 0.14 lb/hr (24-hr average) and good housekeeping practices (AA-507)</p> <p>BACT: 0.66 lb/hr (24-hr average) use of filter and good housekeeping practices (AA-509)</p> |
| | | III.72 | VOC | <p>BACT: 53g/kg VOC content glue and 7.48 tpy (rolling 12 months) (AA-501 and AA-502)</p> |

| Emission Point | Applicable Requirement | Condition Number | Pollutant/ Parameter | Limit/Standard |
|---|---|------------------|---|--|
| AA-504, AA-505, AA-506, AA-507 and AA-508 (Drying Oven 1, High Oven A, Drying Oven 2 & 3, Cooling Zone, and High Oven B on Rockfon Line) | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 | III.54 | PM/PM ₁₀ (filterable and condensable) | BACT: Use of particulate filter; 0.08 lb/hr (24-hr average) and good combustion practices (AA-504) |
| | | | | BACT: 0.12 lb/hr (24-hr average) and good combustion practices (AA-505) |
| | | | | BACT: Use of particulate filter; 0.13 lb/hr (24-hr average) and good combustion practices (AA-506) |
| | | | | BACT: 0.12 lb/hr (24-hr average) and good combustion practices (AA-508) |
| | | III.55 | PM _{2.5} (filterable and condensable) | BACT: Use of particulate filter; 0.06 lb/hr (24-hr average) and good combustion practices (AA-504) |
| | | | | BACT: 0.09 lb/hr (24-hr average) and good combustion practices (AA-505) |
| AA-504, AA-505, AA-506, AA-507, AA-508, and AA-509 (Drying Oven 1, High Oven A, Drying Oven 2 & 3, Cooling Zone, High Oven B, and Spray Paint Cabin on Rockfon Line) | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 | III.56 | SO ₂ | BACT: 100 lb NO _x /MMscf, 84 lb CO/MMscf, good combustion practices and use of natural gas (AA-504, AA-505, AA-506, and AA-508) |
| | | | NO _x | |
| | | | CO | |
| | | III.57 | VOC | BACT: 30.69 tpy (rolling 12 months), use of water-based coating with 80g/L VOC content, and good work practices |

| Emission Point | Applicable Requirement | Condition Number | Pollutant/ Parameter | Limit/Standard |
|--|--|------------------|--|--|
| AA-510 (Rockfon Building Exhaust) | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 | III.69 | PM/PM ₁₀ /PM _{2.5} | BACT: Good housekeeping practices |
| AA-600a, AA-600b, AA-600f, and AA-600g (Backup Natural Gas-Fired Boilers) | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 | III.58 | NO _x | BACT: Use of low-NO _x burners meeting 30 ppmvd NO _x @ 3% O ₂ |
| | | III.34 | PM/PM ₁₀ /PM _{2.5} (filterable and condensable) | BACT: 7.6 lb PM/PM ₁₀ /PM _{2.5} , 84 lb CO/MMscf, 5.5 lb/VOC/MMscf (AA-600f, AA-600g); good combustion practices and use of natural gas (AA-600a, AA-600b, AA-600f, and AA-600g) |
| | | | CO | |
| | | | VOC | |
| | | | SO ₂ | |
| | 40 CFR 63.7480 | III.59 | NESHAP – Subpart DDDDD | Applicability |

| Emission Point | Applicable Requirement | Condition Number | Pollutant/ Parameter | Limit/Standard |
|--|---|------------------|--|--|
| AA-600c and AA-600d (Emergency Fire Pump Engines) | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014 | III.60 | PM/PM ₁₀ /PM _{2.5} (filterable and condensable) | BACT: NSPS IIII Table 4 standards for PM, NO _x + NMHC, and CO and compliance with NSPS Subpart IIII |
| | | | NO _x | |
| | | | CO | |
| | | | VOC | |
| | | III.61 | SO ₂ | BACT: Use of diesel fuel meeting 80.510(b) (pursuant to NSPS Subpart IIII) |
| | 40 CFR 60.4200 | III.62 | NSPS – Subpart IIII | Applicability |
| AA-600e and AA-600j (Welding Shop and Rockfon Maintenance Welding Shop) | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 | III.63 | PM/PM ₁₀ /PM _{2.5} | BACT: Use of filter |
| AA-600h (Rockfon Building 700 Natural Gas-fired Sources) | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 | III.70 | NO _x | BACT: Good combustion practices, Use of lox-NO _x burners meeting 70 ppmvd NO _x (4.72 MMBTU/hr heaters) |
| | | III.71 | PM/PM ₁₀ /PM _{2.5} (filterable and condensable) | BACT: 7.6 lb PM/PM ₁₀ /PM _{2.5} , 84 lb CO/MMscf, 5.5 lb/VOC/MMscf; good combustion practices and use of natural gas |
| | | | CO | |
| | | | VOC | |
| | | | SO ₂ | |

| Emission Point | Applicable Requirement | Condition Number | Pollutant/Parameter | Limit/Standard |
|---|--|------------------|---|---|
| AA-600i (Rockfon Miscellaneous Natural Gas-Fired Sources) | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 | III.73 | NO _x | BACT: Good combustion practices and use of natural gas |
| | | | PM/PM ₁₀ /PM _{2.5} (filterable and condensable) | |
| | | | CO | |
| | | | VOC | |
| | | | SO ₂ | |
| AA-602a and AA-602b (Storage Tanks) | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 | III.49 | VOC | BACT: Good operating practices |
| AA-603a (Plant-wide Fugitive Emissions from Roadways) | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014 | III.64 | PM ₁₀ /PM _{2.5} | BACT: Development of a Dust Control Plan |

- III.1 For Emission Point AA-000 (the Entire Facility), the permittee shall limit emissions of Carbon Dioxide equivalent (CO₂e) to no more than 332,397.89 tons per year as determined by each consecutive 12-month period (rolling basis). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)
- III.2 For Emission Point AA-000 (the Entire Facility), the permittee shall limit emissions of Nitrogen Oxides (NO_x) to no more than 409.84 tons per year as determined by each consecutive 12-month period (rolling basis). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)
- III.3 For Emission Point AA-000 (the Entire Facility), the permittee shall limit emissions of Carbon Monoxide (CO) to no more than 290.98 tons per year as determined by each consecutive 12-month period (rolling basis). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)

- III.4 For Emission Point AA-000 (the Entire Facility), the permittee shall limit emissions of Sulfur Dioxide (SO₂) to no more than 759.88 tons per year as determined by each consecutive 12-month period (rolling basis). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)
- III.5 For Emission Point AA-000 (the Entire Facility), the permittee shall limit emissions of Volatile Organic Compounds (VOC) to no more than 1,889.57 tons per year as determined by each consecutive 12-month period (rolling basis). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)
- III.6 For Emission Point AA-000 (the Entire Facility), the permittee shall limit emissions of Particulate Matter (PM, filterable and condensable) to no more than 429.85 tons per year and Particulate Matter-10 (PM₁₀, filterable and condensable) to no more than 425.53 tons per year as determined by each consecutive 12-month period (rolling basis). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)
- III.7 For Emission Point AA-000 (the Entire Facility), the permittee shall limit emissions of Particulate Matter-2.5 (PM_{2.5}, filterable and condensable) to no more than 209.06 tons per year as determined by each consecutive 12-month period (rolling basis). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)
- III.8 For Emission Point AA-000 (the Entire Facility), the permittee shall limit emissions of Sulfuric Acid Mist (H₂SO₄) to no more than 30.16 tons per year as determined by each consecutive 12-month period (rolling basis). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014)
- III.9 For Emission Point AA-000 (the Entire Facility), the permittee shall limit opacity to no more than 20% (where otherwise not indicated and/or limited) as determined by EPA Method 9 or EPA Method 22. (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014)
- III.10 For Emission Point AA-000 (the Entire Facility), except as otherwise provided herein, no person shall cause or permit the emission of gas containing sulfur oxides (measured as sulfur dioxide) in excess of 500 ppm (volume) from any process equipment constructed after January 25, 1972. (Ref.: 11 Miss. Admin. Code Pt. 2, R. 1.4.B(1))
- III.11 For Emission Point AA-000 (the Entire Facility), the permittee is subject to 40 CFR 63 – National Emission Standards for Hazardous Air Pollutants, specifically Subpart A – General Provisions, and shall comply with the applicable provisions. (Ref.: 40 CFR 63, Subpart A)
- III.12 For Emission Point AA-000 (the Entire Facility), the permittee is subject to 40 CFR 60 – Standards of Performance for New Stationary Sources, specifically Subpart A – General

Provisions, and shall comply with the applicable provisions. (Ref.: 40 CFR 60, Subpart A)

- III.13 For Emission Points AA-100 and AA-200, the permittee shall limit emissions of Carbon Dioxide equivalent (CO₂e) to no more than 163,049.74 tons per year (from each emission point) as determined by each consecutive 12-month period (rolling basis) and implement good operation and maintenance to improve efficiency (BACT for CO₂e). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014)
- III.14 For Emission Points AA-100 and AA-200, the permittee is subject to 40 CFR 63 – National Emission Standards for Hazardous Air Pollutants, specifically Subpart DDD – National Emission Standards for Hazardous Air Pollutant for Mineral Wool Production, and shall comply with the applicable provision. The permittee shall comply with all applicable requirements of Subpart DDD for new sources by the compliance dates established in the final reconsidered rule. (Ref.: 40 CFR 63, Subpart DDD)
- III.15 For Emission Points AA-101 and AA-201, the permittee shall limit filterable PM emissions (from each emission point) to no more than 0.10 pound of PM per ton of melt and shall utilize a baghouse for control of particulate matter emissions (BACT for PM). (Ref.: 40 CFR 63.1178(a)(1) and PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014)
- III.16 For Emission Points AA-101 and AA-201, the permittee shall limit filterable and condensable PM/PM₁₀ emissions (filterable and condensable for each emission point) to no more than 1.08 pounds of PM/ PM₁₀ per ton of melt and shall utilize a baghouse for control of particulate matter emissions (BACT for PM/PM₁₀). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014)
- III.17 For Emission Points AA-101 and 201, the permittee shall limit PM_{2.5} emissions (filterable and condensable for each emission point) to no more than 0.39 pounds of PM_{2.5} per ton of melt and shall utilize a baghouse for control of PM_{2.5} emissions (BACT for PM_{2.5}). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014)
- III.18 For Emission Points AA-101 and AA-201, the permittee shall limit SO₂ emissions (from each emission point) to no more than 78.77 pounds per hour based on 30-day average (based on Continuous Emissions Monitor for SO₂) and shall utilize a fabric filter with dry sorbent and semi-dry recycle sorbent injection (BACT for SO₂). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014)
- III.19 For Emission Points AA-101 and AA-201, the permittee shall limit H₂SO₄ mist emissions (from each emission point) to no more than 0.12 pounds per ton of melt and shall utilize a fabric filter with dry sorbent and semi-dry recycle sorbent injection (BACT for H₂SO₄). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014)

- III.20 For Emission Point AA-101 and AA-201, the permittee shall limit CO and VOC emissions (from each emission point) to no more than 0.1 pounds of CO per ton of melt or 99.0% minimum destruction efficiency of CO (CO is a surrogate for VOC). The permittee shall also limit CO emissions to 13.29 pounds per hour CO based on 30-day average (based on CEM for CO) and use of secondary combustion chamber (BACT for CO). (Ref.: 40 CFR 63.1178(a)(2) and PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014)
- III.21 For Emission Points AA-101 and AA-201, the permittee shall limit NO_x emissions (from each emission point) to no more than 32.75 pounds per hour based on 30-day average (based on CEMS for NO_x) and use of SNCR. The permittee shall also utilize natural gas and good combustion practices for preheat burners. (BACT for NO_x). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014)
- III.22 For Emission Points AA-102 and AA-202, the permittee shall limit total filterable and condensable PM/PM₁₀ (from each emission point) to no more than 13.21 pounds per hour and shall utilize pretreatment filtration (BACT for PM/PM₁₀ is pretreatment filtration for the Spinning Chamber and pretreatment filtration for the Cooling Section) for control of PM emissions. (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014)
- III.23 For Emission Points AA-102 and AA-202, the permittee shall limit filterable and condensable PM_{2.5} (from each emission point) to no more than 7.29 pounds per hour and shall utilize pretreatment filtration (BACT for PM_{2.5} is pretreatment filtration for the Spinning Chamber and pretreatment filtration for the Cooling Section) for control of particulate matter emissions. (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014)
- III.24 For Emission Points AA-102 and AA-202, the permittee shall utilize good operating practices for the control of SO₂, H₂SO₄, NO_x, CO, and VOC emissions (BACT for SO₂, H₂SO₄, NO_x, CO, and VOC). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014)
- III.25 For Emission Points AA-103 and AA-203, the permittee shall limit total filterable and condensable PM/PM₁₀ emissions (from each emission point) to no more than 6.25 pounds per hour and shall utilize pretreatment filtration for control of PM/PM₁₀ emissions (BACT for PM/PM₁₀). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014)
- III.26 For Emission Points AA-103 and AA-203, the permittee shall limit filterable and condensable PM_{2.5} emissions (from each emission point) to no more than 5.18 pounds per hour and shall utilize pretreatment filtration for control of PM_{2.5} emissions (BACT for PM_{2.5}). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014)
- III.27 For Emission Points AA-103 and AA-203, the permittee shall limit NO_x emissions (from each emission point) to no more than 12.13 pounds per hour and shall utilize good

combustion practices for control of NO_x emissions. The permittee shall also limit NO_x emissions from the circulation burners and afterburner to 0.078 lb/MMBTU when combusting natural gas only (BACT for NO_x). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014)

- III.28 For Emission Points AA-103 and AA-203, the permittee shall utilize good operating practices for the control of SO₂ and H₂SO₄ emissions (BACT for SO₂ and H₂SO₄). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014)
- III.29 For Emission Points AA-103 and AA-203, the permittee shall limit formaldehyde (surrogate for CO and VOC) emissions (from each emission point) to no more than 0.06 pounds of formaldehyde per ton of melt or reduce uncontrolled formaldehyde emissions by at least 80% and use of afterburner (BACT for CO and VOC is use of afterburner). (Ref.: PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and 40 CFR 63.1179(a)(1), (2))
- III.30 For Emission Points AA-105, AA-205, AA-107, AA-207, AA-108, and AA-208, the permittee shall limit filterable PM/PM₁₀ emissions (from each emission point) to no more than 0.0044 grains per dry standard cubic foot and shall utilize a baghouse and good housekeeping practices for control of PM/PM₁₀ emissions (BACT for PM/PM₁₀). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014)
- III.31 For Emission Points AA-105, AA-205, AA-107, AA-207, AA-108, and AA-208, the permittee shall limit filterable PM_{2.5} emissions (from each emission point) to no more than 0.0022 grains per dry standard cubic foot and shall utilize a baghouse and good housekeeping practices for control of PM_{2.5} emissions (BACT for PM_{2.5}). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014)
- III.32 For Emission Points AA-106 and AA-206, the permittee shall utilize high efficiency mist eliminators (for each emission point), with a 0.005% drift loss, in order to control PM/PM₁₀/PM_{2.5} emissions (BACT for PM/PM₁₀/PM_{2.5}). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014)
- III.33 For Emission Points AA-109, AA-209, and AA-305, the permittee shall utilize partial enclosures and good housekeeping practices (for each emission point) in order to control PM/PM₁₀/PM_{2.5} emissions (BACT for PM/PM₁₀/PM_{2.5}). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014)
- III.34 For Emission Points AA-110, AA-210, AA-600a, AA-600b, AA-600f, and AA-600g, the permittee shall utilize natural gas fuel good combustion practices (for each emission point) in order to control PM/PM₁₀/PM_{2.5}, SO₂, NO_x, VOC, and CO emissions (BACT for PM/PM₁₀/PM_{2.5}, SO₂, NO_x, VOC, and CO). For Emission Points AA-600f and AA-600g, the permittee shall limit emissions to no more than 7.6 pounds filterable and condensable PM/PM₁₀/PM_{2.5} per million standard cubic foot of natural gas (lb/MMscf), 84 lb CO/MMscf, and 5.5 lb VOC/MMscf. (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)

- III.35 For Emission Points AA-111 and AA-211, the permittee shall limit filterable PM/PM₁₀ emissions (from each emission point) to no more than 0.02 tons per year. For Emission Points AA-112, AA-116, AA-117, AA-212, AA-216, and AA-217, the permittee shall limit filterable PM/PM₁₀ emissions (from each emission point) to no more than 0.24 tons per year and shall utilize a fabric filter and good housekeeping practices for control of PM/PM₁₀ emissions from each emission point (BACT for PM/PM₁₀). (Ref.: PSD Construction Permit issued August 22, 2012, and modified February 25, 2014)
- III.36 For Emission Points AA-111 and AA-211, the permittee shall limit filterable PM_{2.5} emissions (from each emission point) to no more than 0.01 tons per year. For Emission Points AA-112, AA-116, AA-117, AA-212, AA-216, and AA-217, the permittee shall limit filterable PM_{2.5} emissions (from each emission point) to no more than 0.12 tons per year and shall utilize a fabric filter and good housekeeping practices for control of PM_{2.5} emissions from each emission point (BACT for PM_{2.5}). (Ref.: PSD Construction Permit issued August 22, 2012, and modified February 25, 2014)
- III.37 For Emission Points AA-113 and AA-213, the permittee shall limit filterable PM/PM₁₀ emissions (from each emission point) to no more than 1.24 tons per year and shall utilize a fabric filter and good housekeeping practices for control of PM/PM₁₀ emissions from each emission point (BACT for PM/PM₁₀). (Ref.: PSD Construction Permit issued August 22, 2012, and modified February 25, 2014)
- III.38 For Emission Points AA-113 and AA-213, the permittee shall limit filterable PM_{2.5} emissions (from each emission point) to no more than 0.62 tons per year and shall utilize a fabric filter and good housekeeping practices for control of PM/PM₁₀ emissions from each emission point (BACT for PM_{2.5}). (Ref.: PSD Construction Permit issued August 22, 2012, and modified February 25, 2014)
- III.39 For Emission Points AA-111, AA-112, AA-211, and AA-212, the permittee shall limit PM emissions (for each emission point) to no more than 0.014 grains/dry standard cubic foot. (Ref.: 40 CFR 60.672(a), Table 2)
- III.40 For Emission Points AA-111, AA-112, AA-116, AA-117, AA-211, AA-212, AA-216, and AA-217, the permittee is subject to and shall comply with 40 CFR 60, Subpart OOO – Standards of Performance for Nonmetallic Mineral Processing Plants. (Ref.: 40 CFR 60, Subpart OOO)
- III.41 For Emission Points AA-114, AA-115, AA-214, and AA-215, and, the permittee shall limit filterable PM/PM₁₀ emissions (from each emission point) to no more than 0.39 tons per year and shall utilize a bin vent filter and good housekeeping practices for control of PM/PM₁₀ emissions (BACT for PM/PM₁₀). (Ref.: PSD Construction Permit issued August 22, 2012, and modified February 25, 2014)
- III.42 For Emission Points AA-112, AA-116, AA-117, AA-212, AA-216, and AA-217, the permittee shall limit opacity to 7%. (Ref.: 40 CFR 60.672(a), (e), and (f))

- III.43 For Emission Points AA-114, AA-115, AA-214, and AA-215, the permittee shall limit filterable PM_{2.5} emissions (from each emission point) to no more than 0.19 tons per year and shall utilize a bin vent filter and good housekeeping practices for control of PM_{2.5} emissions (BACT for PM_{2.5}). (Ref.: PSD Construction Permit issued August 22, 2012, and modified February 25, 2014)
- III.44 For Emission Point AA-304, the permittee shall be limited to 12 hours per day, up to 360 hours per year of operation and shall utilize good housekeeping practices in order to control PM/PM₁₀/PM_{2.5} emissions (BACT for PM/PM₁₀/PM_{2.5}). (Ref.: PSD Construction Permit issued August 22, 2012, and modified February 25, 2014)
- III.45 For Emission Point AA-401, the permittee shall utilize good operating practices in compliance with 40 CFR 63.8684 in order to control filterable and condensable PM/PM₁₀/PM_{2.5} emissions (BACT for PM/PM₁₀/PM_{2.5}). Also, for this emission point, opacity shall be less than 20% or the permittee shall reduce total hydrocarbon mass by 95%. (Ref.: 40 CFR 63.8684 and PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014)
- III.46 For Emission Points AA-401 and AA-402, the permittee is subject to and shall comply with 40 CFR 63, Subpart LLLLL - National Emission Standards for Hazardous Air Pollutants from Asphalt Processing and Asphalt Roofing Manufacturing. (Ref.: 40 CFR 63, Subpart LLLLL, specifically 40 CFR 63.8681)
- III.47 For Emission Point AA-401, the permittee shall limit emissions to no more than 20 ppmv THC on a dry basis at 3% O₂ or controlled in accordance with 40 CFR 63, Subpart LLLLL (BACT for VOC). (Ref.: 40 CFR 63.8684)
- III.48 For Emission Point AA-401, the permittee shall limit opacity to 20% and limit emissions from emission capture system to 20% of any period of consecutive valid observations totaling 60 minutes. (Ref.: PSD Construction Permit issued August 22, 2012 and modified on February 25, 2014, and 40 CFR 63.8684)
- III.49 For Emission Points AA-402, AA-602a, and AA-602b, the permittee shall utilize good operating practices in order to control VOC emissions (BACT for VOC). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)
- III.50 For Emission Point AA-402, the permittee shall limit opacity to 0%. (Ref.: 40 CFR 63.8684)
- III.51 For Emission Point AA-500, the permittee shall limit emissions of Carbon Dioxide equivalent (CO_{2e}) to no more than 6,298.41 tons per year as determined by each consecutive 12-month period (rolling basis) and implement good operation and maintenance to improve energy efficiency (BACT for CO_{2e}). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)

- III.52 For Emission Points AA-501, AA-502, AA-503, AA-507, and AA-509, the permittee shall limit filterable and condensable PM/PM₁₀ emissions to no more than 0.02 lb/hr as a 24-hour average (AA-501), 0.02 lb/hr as a 24-hour average (AA-502), 0.34 lb/hr as a 24-hour average (AA-503), and 0.19 lb/hr as a 24-hour average (AA-507) and shall utilize good housekeeping practices (AA-501, AA-502, and AA-507) and utilize a baghouse and good housekeeping practices (AA-503) (BACT for PM/PM₁₀). The permittee shall also limit filterable and condensable PM/PM₁₀ emissions to no more than 0.88 lb/hr as a 24-hour average (AA-509) and shall utilize a filter and good housekeeping practices (AA-509). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)
- III.53 For Emission Points AA-501, AA-502, AA-503, AA-507, and AA-509, the permittee shall limit filterable and condensable PM_{2.5} emissions to no more than 0.01 lb/hr as a 24-hour average (AA-501), 0.01 lb/hr as a 24-hour average (AA-502), 0.17 lb/hr as a 24-hour average (AA-503), and 0.14 lb/hr as a 24-hour average (AA-507) and shall utilize good housekeeping practices (AA-501, AA-502, and AA-507) and utilize a baghouse and good housekeeping practices (AA-503) (BACT for PM_{2.5}). The permittee shall also limit filterable and condensable PM_{2.5} emissions to no more than 0.66 lb/hr as a 24-hour average (AA-509) and shall utilize a filter and good housekeeping practices (AA-509). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)
- III.54 For Emission Points AA-504, AA-505, AA-506, and AA-508, the permittee shall limit filterable and condensable PM/PM₁₀ emissions to no more than 0.08 lb/hr as a 24-hour average (AA-504), 0.12 lb/hr as a 24-hour average (AA-505), 0.13 lb/hr as a 24-hour average (AA-506), and 0.12 lb/hr as a 24-hour average (AA-508) and shall utilize good combustion practices for control of particulate matter emissions. The permittee shall also utilize a particulate filter for Emission Points AA-504 and AA-506 (BACT for PM/PM₁₀). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)
- III.55 For Emission Points AA-504, AA-505, and AA-506, the permittee shall limit filterable and condensable PM_{2.5} emissions to no more than 0.06 lb/hr as a 24-hour average (AA-504), 0.09 lb/hr as a 24-hour average (AA-505), 0.09 lb/hr as a 24-hour average (AA-506), and 0.09 lb/hr as a 24-hour average (AA-508) and shall utilize good combustion practices for control of particulate matter emissions. The permittee shall also utilize a particulate filter for Emission Points AA-504 and AA-506 (BACT for PM_{2.5}). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)
- III.56 For Emission Points AA-504, AA-505, AA-506, and AA-508, the permittee shall limit emissions to no more than 100 pounds NO_x per million standard cubic foot of natural gas (lb/MMscf) and 84 lb/MMscf and utilize natural gas and good combustion practices for minimizing emissions of SO₂, NO_x, and CO (BACT for SO₂, NO_x, and CO). (Ref.: PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)

- III.57 For Emission Points AA-504, AA-505, AA-506, AA-507, AA-508, and AA-509, the permittee shall limit VOC emissions to no more than 30.69 tons per year (rolling 12-month basis) and utilize good work practices and utilize water-based coatings with no more than 80 grams per liter volatile organic compound content in order to control VOC emissions (BACT for VOC). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)
- III.58 For Emission Points AA-600a, AA-600b, AA-600f, and AA-600g, the permittee shall utilize low-NO_x burners meeting 30 ppmvd NO_x at 3% oxygen for each emission point in order to control NO_x emissions (BACT for NO_x). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)
- III.59 For Emission Points AA-600a, AA-600b, AA-600f, and AA-600g, the permittee is subject to and shall comply with 40 CFR 63, Subpart DDDDD – National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters. (Ref.: 40 CFR 63.7480)
- III.60 For Emission Points AA-600c and AA-600d, the permittee shall comply with all applicable emissions standards for PM, NO_x + NMHC, and CO contained in Table 4 of 40 CFR 60, Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (BACT for PM, NO_x, VOC, and CO). (Ref.: 40 CFR 60.4205(c))
- III.61 For Emission Points AA-600c and AA-600d, the permittee shall utilize diesel fuel that meets the requirements of 40 CFR 80.510(b) (BACT for SO₂). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014, and 40 CFR 60.4207(b))
- III.62 For Emission Points AA-600c and AA-600d, the permittee is subject to and shall comply with 40 CFR 60, Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines. (Ref.: 40 CFR 60.4200)
- III.63 For Emission Points AA-600e and AA-600j, the permittee shall utilize a vent filter for minimizing emissions of PM/PM₁₀/PM_{2.5} (BACT for PM/PM₁₀/PM_{2.5}). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)
- III.64 For Emission Point AA-603a, the permittee shall develop and implement a dust control plan in order to control PM₁₀/PM_{2.5} emissions (BACT for PM₁₀/PM_{2.5}). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014)
- III.65 For Emission Points AA-119 and AA-219, the permittee shall use a coating compliant with 40 CFR 63, Subpart JJJJ and good work practices (BACT for VOC). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)

- III.66 For Emission Points AA-119 and AA-219, the permittee is subject to and shall comply with the applicable provisions of 40 CFR 63, Subpart JJJJ – National Emission Standards for Hazardous Air Pollutants: Paper and Other Web Coating, including the applicable provisions of the Emission Standards of 40 CFR 63.3320 and the Operating Limits of 40 CFR 63.3321. (Ref.: 40 CFR 63.3290, 40 CFR 63.3320, and 40 CFR 63.3221)
- III.67 For Emission Points AA-120 and AA-220, the permittee shall limit PM/PM₁₀ emissions (from each emission point) to no more than 0.04 lb/hr as a 24-hour average and shall utilize a bin vent filter and good housekeeping practices for control of PM/PM₁₀ emissions from each emission point (BACT for PM/PM₁₀). (Ref.: PSD Construction Permit issued August 22, 2012, and modified February 25, 2014, and February 1, 2017)
- III.68 For Emission Points AA-120 and AA-220, the permittee shall limit PM_{2.5} emissions (from each emission point) to no more than 0.02 lb/hr as a 24-hour average and shall utilize a bin vent filter and good housekeeping practices for control of PM_{2.5} emissions from each emission point (BACT for PM_{2.5}). (Ref.: PSD Construction Permit issued August 22, 2012, and modified February 25, 2014, and February 1, 2017)
- III.69 For Emission Point AA-510, the permittee shall utilize good housekeeping practices in order to control PM/PM₁₀/PM_{2.5} emissions (BACT for PM/PM₁₀/PM_{2.5}). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)
- III.70 For Emission Point AA-600h, the permittee shall utilize good combustion practices and low-NO_x burners meeting 70 ppmvd NO_x (4.72 MMBTU/hr heaters) in order to control NO_x emissions (BACT for NO_x). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)
- III.71 For Emission Point AA-600h, the permittee shall utilize good combustion practices in order to control PM/PM₁₀/PM_{2.5}, SO₂, NO_x, VOC, and CO emissions (BACT for PM/PM₁₀/PM_{2.5}, SO₂, NO_x, VOC, and CO). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)
- III.72 For Emission Points AA-501 and AA-502, the permittee shall limit VOC emissions to no more 7.48 tons per year (rolling 12-month basis) and utilize glue with a VOC content of 53 g/kg in order to control VOC emissions (BACT for VOC). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)
- III.73 For Emission Point AA-600i, the permittee shall utilize good combustion practices in order to control PM/PM₁₀/PM_{2.5}, SO₂, NO_x, VOC, and CO emissions (BACT for PM/PM₁₀/PM_{2.5}, SO₂, NO_x, VOC, and CO). (Ref.: PSD Construction Permit issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)

Part IV
EMISSION POINT SPECIFIC MONITORING AND RECORDKEEPING REQUIREMENTS

| Emission Point | Pollutant/ Parameter Monitored | Compliance Requirement | Condition Number | Applicable Requirement |
|---------------------------|---|---|---------------------|---|
| AA-000 (Facility-wide) | CO ₂ e | Determine the emission rate for each consecutive 12-month period for demonstrating compliance with the facility-wide emission limitations | IV.1 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 |
| | NO _x | | | |
| | CO | | | |
| | SO ₂ | | | |
| | VOC | | | |
| | PM/PM ₁₀ (filterable and condensable) | | | |
| | PM _{2.5} (filterable and condensable) | | | |
| | H ₂ SO ₄ | | | |
| | Opacity | Demonstrate compliance utilizing EPA Method 22 or EPA Method 9 (when applicable) for demonstrating compliance with the facility-wide limitation | IV.2 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 |
| | Control Equipment | Regular maintenance shall be maintained and kept in log form | IV.3 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 |
| | Emission Limitations | Maintain all records necessary to demonstrate compliance | IV.4 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 |

| Emission Point | Pollutant/ Parameter Monitored | Compliance Requirement | Condition Number | Applicable Requirement |
|---|--------------------------------------|---|---------------------|---|
| AA-100 and AA-200 (<i>Mineral Wool Lines 1 and 2</i>) | CO ₂ e | Determine the Emission Rate for each consecutive 12-month period for demonstrating compliance with BACT | IV.5 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 |
| AA-100 and AA-200 (<i>Mineral Wool Lines 1 and 2</i>) | NESHAP – Subpart DDD | Particulate Matter Requirements for Melting Furnaces | IV.6 | 40 CFR 63.1181 |
| | | Carbon Monoxide Requirements for Melting Furnaces | IV.7 | 40 CFR 63.1182 |
| | | Formaldehyde Requirements for Curing Ovens | IV.8 | 40 CFR 63.1183 |
| | | Bag Leak Detection System Requirements | IV.9 | 40 CFR 63.1184 |
| | | Minimum Incinerator Temperature Requirements | IV.10 | 40 CFR 63.1185 |
| | | Operation and Maintenance Plan Requirements | IV.11 | 40 CFR 63.1187 |
| | | Performance Testing and Test Methods | IV.12 | 40 CFR 63.1188 and 63.1189 |
| | | Recordkeeping Requirements | IV.13 | 40 CFR 63.1192 |

| Emission Point | Pollutant/ Parameter Monitored | Compliance Requirement | Condition Number | Applicable Requirement |
|---|--|---|---------------------|---|
| AA-101 and AA-201 (Melting Furnaces on Lines 1 and 2) | PM (filterable) | Once Every Five Years Stack/Performance Testing for demonstrating compliance with Facility-Wide Limits, BACT Limits, and/or Emission Point Specific Limits by Developing Operational Ranges unless specified herein. These Operational Ranges shall be utilized for demonstrating compliance with Monthly Recordkeeping of Emission Rate. | IV.14 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014 |
| | PM/PM ₁₀ (filterable and condensable) | | | |
| | PM _{2.5} (filterable and condensable) | | | |
| | SO ₂ | | | |
| | H ₂ SO ₄ | | | |
| | CO | | | |
| | VOC | | | |
| | NO _x | | | |
| AA-102 and AA-202 (Spinning Chambers and Cooling Sections on Lines 1 and 2) | PM/PM ₁₀ (filterable and condensable) | Once Every Five Years Stack/Performance Testing for demonstrating compliance with Facility-Wide Limits, BACT Limits, and/or Emission Point Specific Limits by Developing Operational Ranges unless specified herein. These Operational Ranges shall be utilized for demonstrating compliance with Monthly Recordkeeping of Emission Rate. | IV.15 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014 |
| | PM _{2.5} (filterable and condensable) | | | |
| | SO ₂ | Monthly Recordkeeping Certification of Good Operating Practices | IV.16 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 |
| | H ₂ SO ₄ | | | |
| | NO _x | | | |
| | CO | | | |
| | VOC | | | |
| | | | | |
| | | | | |

| Emission Point | Pollutant/ Parameter Monitored | Compliance Requirement | Condition Number | Applicable Requirement |
|---|--|---|---------------------|---|
| AA-103 and AA-203 (Curing Ovens on Lines 1 and 2) | PM/PM ₁₀ (filterable and condensable) | Once Every Five Years Stack/Performance Testing for demonstrating compliance with Facility-Wide Limits, BACT Limits, and/or Emission Point Specific Limits by Developing Operational Ranges unless specified herein. These Operational Ranges shall be utilized for demonstrating compliance with Monthly Recordkeeping of Emission Rate. | IV.17 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014 |
| | PM _{2.5} (filterable and condensable) | | | |
| | NO _x | | | |
| | SO ₂ | Monthly Recordkeeping Certification of Good Combustion Practices | IV.16 | |
| | H ₂ SO ₄ | | | |
| | NO _x | | | |
| AA-103 and AA-203 (Curing Ovens on Lines 1 and 2) | Formaldehyde | Once Every Five Years Stack/Performance Testing for demonstrating compliance with Facility-Wide Limits, BACT Limits, and/or Emission Point Specific Limits by Developing Operational Ranges unless specified herein. These Operational Ranges shall be utilized for demonstrating compliance with Monthly Recordkeeping of Emission Rate. | IV.18 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and 40 CFR 63.1188 |
| | CO | | IV.19 | |
| | VOC | | | |

| Emission Point | Pollutant/ Parameter Monitored | Compliance Requirement | Condition Number | Applicable Requirement |
|---|--|--|---------------------|---|
| AA-105, AA-205, AA-107, AA-207, AA-108, and AA-208 <i>(Cutting Dust, Line Dust, and Vacuum Cleaning for Lines 1 and 2)</i> | PM/PM ₁₀ (filterable) | Once Every Five Years Stack/Performance Testing for demonstrating compliance with Facility-Wide Limits, BACT Limits, and Emission Point Specific Limits by Developing Operational Ranges unless specified herein. These Operational Ranges shall be utilized for demonstrating compliance with Monthly Recordkeeping of Emission Rate. | IV.15 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014 |
| | PM _{2.5} (filterable) | | | |
| AA-106 and AA-206 <i>(Cooling Towers for Lines 1 and 2)</i> | PM/PM ₁₀ /PM _{2.5} | Monthly Recordkeeping Certification of Good Operating Practices | IV.16 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014 |
| AA-105, AA-205, AA-107, AA-207, AA-108, AA-208, AA-109, AA-209, AA-120, AA-220, AA-305, and AA-510 <i>(Cutting Dust, Line Dust, and Vacuum Cleaning Baghouses for Lines 1 and 2 Fugitive Emissions from Material Handling on Lines 1 and 2, Lime Silos for Lines 1 and 2, Fugitive Emissions from Recycle Plant Material Handling, and Rockfon Building Exhaust)</i> | PM/PM ₁₀ /PM _{2.5} | Monthly Recordkeeping Certification of Good Housekeeping Practices | IV.16 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 |

| Emission Point | Pollutant/ Parameter Monitored | Compliance Requirement | Condition Number | Applicable Requirement |
|---|---|--|---------------------|--|
| AA-110 and AA-210 (<i>Product Marking for Lines 1 and 2</i>) | PM/PM ₁₀ /PM _{2.5} (filterable and condensable) | Monthly Recordkeeping Certification of Good Combustion Practices | IV.16 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014 |
| | SO ₂ | | | |
| | NO _x | | | |
| | VOC | | | |
| | CO | | | |
| AA-111, AA- 112, AA-116, AA-117, AA- 211, AA-212, AA-216, and AA-217 (<i>Conveyor Transfer Points, Charging Building Material Handling, Filter Fines Receiving Silos, and Filter Fines Day Silos for Lines 1 and 2</i>) | NSPS – Subpart OOO | Particulate Matter Standards | IV.20 | 40 CFR 60.672 |
| | | Monitoring Requirements | IV.21 | 40 CFR 60.674 |
| | | Test Methods and Procedures | IV.22 | 40 CFR 60.675 |

| Emission Point | Pollutant/ Parameter Monitored | Compliance Requirement | Condition Number | Applicable Requirement |
|---|--------------------------------------|--|---------------------|---|
| AA-113 AA-213 (Charging Building Vacuum System for Lines 1 and 2) | PM/PM ₁₀ (filterable) | Once Every Five Years Stack/Performance Testing for demonstrating compliance with Facility-Wide Limits, BACT Limits, and Emission Point Specific Limits by Developing Operational Ranges unless specified herein. These Operational Ranges shall be utilized for demonstrating compliance with Monthly Recordkeeping of Emission Rate. | IV.15 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 |
| | PM _{2.5} (filterable) | | | |

| Emission Point | Pollutant/ Parameter Monitored | Compliance Requirement | Condition Number | Applicable Requirement |
|---|--|---|---------------------|---|
| AA-111, AA-112, AA-113, AA-114, AA-115, AA-116, AA-117, AA-120, AA-211, AA-212, AA-213, AA-214, AA-215, AA-216, AA-217, and AA-220 (Conveyor Transfer Points, Charging Building Material Handling, Charging Building Vacuum System, Coal Storage Silos, Coal Feed Tanks, Filter Fines Receiving Silos, Filter Fines Day Silos, and Lime Storage Silos for Lines 1 and 2) | PM/PM ₁₀ /PM _{2.5} (filterable) | Monthly Recordkeeping Certification of Good Housekeeping Practices | IV.16 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 |
| AA-304 (Melting Furnace Portable Crusher) | PM/PM ₁₀ /PM _{2.5} | Monthly Recordkeeping Certification of Hours of Operation and Good Housekeeping Practices | IV.23 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014 |

| Emission Point | Pollutant/ Parameter Monitored | Compliance Requirement | Condition Number | Applicable Requirement |
|-------------------------------------|--|--|---------------------|---|
| AA-400 (Bitumen Coating Line) | NESHAP – Subpart LLLLL | General Requirements | IV.24 | 40 CFR 63.8685 |
| | | Performance Testing Requirements | IV.25 | 40 CFR 63.8686 and 63.8687 |
| | | Monitoring Installation, Operation, and Maintenance Requirements | IV.26 | 40 CFR 63.8688 |
| | | Initial Compliance Demonstration with Emission Limitations | IV.27 | 40 CFR 63.8689 |
| | | Monitor and Collecting Data to Demonstrate Continuous Compliance | IV.28 | 40 CFR 63.8690 |
| | | Demonstrating Continuous Compliance with the Operating Limits | IV.29 | 40 CFR 63.8691 |
| | | Recordkeeping Requirements | IV.30 | 40 CFR 63.8694 and 63.8695 |
| AA-402 (Bitumen Storage Tank) | VOC | Monthly Recordkeeping Certification of Good Operating Practices | IV.16 | PSD Construction Permit Issued August 22, 2012, modified on February 25, 2014 |
| AA-500 (Rockfon Line) | CO ₂ e | Determine the emission rate for each consecutive 12-month period for demonstrating compliance with the facility-wide emission limitations | IV.5 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 |
| | PM/PM ₁₀ (filterable and condensable) | Once Every Five Years Stack/Performance Testing for demonstrating compliance with Facility-Wide Limits, BACT Limits, and Emission Point Specific Limits by Developing Operational Ranges unless specified herein. These Operational Ranges shall be utilized for demonstrating compliance with Monthly Recordkeeping of Emission Rate. | IV.15 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 |
| | PM _{2.5} (filterable and condensable) | | | |

| Emission Point | Pollutant/ Parameter Monitored | Compliance Requirement | Condition Number | Applicable Requirement |
|--|---|--|---------------------|---|
| AA-501, and AA-502, and AA-507 (IR Zone, Hot Press and Cure, and Cooling Zone for Rockfon Line) | PM/PM ₁₀ /PM _{2.5} (filterable and condensable) | Monthly Recordkeeping Certification of Good Housekeeping Practices | IV.16 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 |
| | VOC | Monthly Recordkeeping Certification of Good Operating Practices | | |
| AA-501, AA- 502, AA-504, AA-505, AA- 506, AA-507, AA-508, and AA-509 (IR Zone, Hot Press and Cure, Drying Oven 1, 2, and 3, High Oven A, Cooling Zone, and High Oven B, and Spray Paint Cabin for Rockfon Line) | VOC | Monthly Recordkeeping Certification of Quality and Quantity VOC Content of Coating | IV.31 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 |
| AA-504, AA- 505, AA-506, and AA-508 (Drying Oven 1, 2, and 3, High Oven A, Cooling Zone, and High Oven B for Rockfon Line) | SO ₂ | Monthly Recordkeeping Certification of Good Combustion Practices | IV.16 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 |
| | NO _x | | | |
| | CO | | | |

| Emission Point | Pollutant/ Parameter Monitored | Compliance Requirement | Condition Number | Applicable Requirement |
|--|---|---|---------------------|---|
| AA-503 and AA-510 (<i>De-dusting and Rockfon Building Exhaust for Rockfon Line</i>) | PM/PM ₁₀ /PM _{2.5} (filterable) | Monthly Recordkeeping Certification of Good Housekeeping Practices | IV.16 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 |
| AA-600a, AA- 600b, AA-600f, AA-600g, AA- 600h, and AA- 600i (<i>Backup Natural Gas- Fired Boilers, Rockfon Building 700 Natural Gas- fired Sources, and Rockfon</i>) | NESHAP – Subpart DDDDD | Continuous Compliance Requirements | IV.32 | 40 CFR 63.7540 |
| | PM/PM ₁₀ /PM _{2.5} (filterable and condensable) | Monthly Recordkeeping Certification of Good Combustion Practices | IV.16 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 |
| | NO _x | | | |
| | CO | | | |
| | VOC | | | |
| | SO ₂ | | | |
| AA-600c and AA-600d (<i>Emergency Fire Pump Engines</i>) | NSPS – Subpart IIII | Monitoring Requirements | IV.33 | 40 CFR 60.4209 |
| | | Compliance Requirements | IV.34 | 40 CFR 60.4211 |
| AA-602a and AA-602b (<i>Storage Tanks</i>) | VOC | Monthly Recordkeeping Certification of Good Operating Practices | IV.16 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 |
| AA-603a (<i>Plant-wide Fugitive Emissions from Roadways</i>) | PM ₁₀ /PM _{2.5} | Implement Maintenance Guidelines for Dust Control Plan and Maintain all Necessary Records | IV.35 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014 |

| Emission Point | Pollutant/ Parameter Monitored | Compliance Requirement | Condition Number | Applicable Requirement |
|---|---|---|---------------------|---|
| AA-119 and AA-219 (Fleece Application for Lines 1 and 2) | NESHAP – Subpart JJJJ | General Requirements | IV.36 | 40 CFR 63.3340 |
| | | Control Device Monitoring and Compliance Demonstration Requirements | IV.37 | 40 CFR 63.3350 and 63.3370 |
| | | Performance Testing Requirements | IV.38 | 40 CFR 63.3360 |
| | | Recordkeeping Requirements | IV.39 | 40 CFR 63.3410 |
| AA-600h, and AA-600i (Rockfon Building 700 Natural Gas- fired Sources, and Rockfon Miscellaneous Natural Gas- Fired Sources) | PM/PM ₁₀ /PM _{2.5} (filterable and condensable) | Monthly Recordkeeping Certification of Good Combustion Practices | IV.16 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 |
| | NO _x | | | |
| | CO | | | |
| | VOC | | | |
| | SO ₂ | | | |

IV.1 For Emission Point AA-000 (the Entire Facility), the permittee shall determine and maintain sufficient monthly records to document the facility-wide CO₂e, PM/PM₁₀ (filterable and condensable), PM_{2.5} (filterable and condensable), CO, NO_x, VOC, SO₂, and H₂SO₄, emission rate as determined for each consecutive 12-month period by utilizing data obtained from Stack/Performance Testing, calculation methodologies from the requirements of 40 CFR Part 98, Natural Gas Usage Records, and any other data necessary to demonstrate compliance with Conditions III.1 thru III.8 of the permit herein. (Ref.: PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)

IV.2 For Emission Point AA-000 (the Entire Facility), the permittee shall utilize EPA Reference Method 22 and/or EPA Reference Method 9 in order to show compliance with the facility-wide opacity limit and shall maintain sufficient monthly records to document

compliance. EPA Method 9 shall be utilized when visible emissions are present during a Method 22 observation. This evaluation shall be conducted concurrently with the particulate matter stack testing required for all individual emission points with specific stack testing requirements. For purposes of determining compliance, the minimum total time of observations shall be 3 hours (30 6-minute averages). However, if visibility or other conditions prevent the opacity observations from being performed concurrently with the stack testing, the permittee shall reschedule the opacity observations as soon after the stack testing as possible, but no later than thirty (30) days thereafter, and shall notify DEQ of the rescheduled date. The rescheduled opacity observations shall be conducted (to the extent possible) under the same operating conditions that existed during the stack test. (Ref.: PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)

- IV.3 For Emission Point AA-000 (the Entire Facility), the permittee shall maintain monthly records documenting that the control devices were utilized at all times and shall record any required maintenance performed on the control devices. (Ref.: PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)
- IV.4 For Emission Point AA-000 (the Entire Facility), the permittee shall maintain all records necessary to demonstrate compliance with the facility-wide emission limitations, individual BACT emission limitations, NESHAP/MACT emission limitations, and any other information necessary to show compliance with the conditions in Section III of the permit herein. (Ref.: PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)
- IV.5 For Emission Points AA-100, AA-200, and AA-500, the permittee shall determine and maintain sufficient monthly records to document the emission rate for CO_{2e} as determined for each consecutive 12-month period by utilizing calculation methodologies from the requirements of 40 CFR Part 98, Natural Gas Usage Records, and any other data necessary to demonstrate compliance with Conditions III.13 and III.51 of the permit herein. (Ref.: PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)
- IV.6 For Emission Points AA-100 and AA-200, the permittee shall comply with the applicable provisions of 40 CFR 63 - Subpart DDD, Particulate Matter Requirements for Melting Furnaces in 40 CFR 63.1181. (Ref.: 40 CFR 63.1181)
- IV.7 For Emission Points AA-100 and AA-200, the permittee shall comply with the applicable provisions of 40 CFR 63 - Subpart DDD, Carbon Monoxide Requirements for Melting Furnaces in 40 CFR 63.1182. (Ref.: 40 CFR 63.1182)
- IV.8 For Emission Points AA-100 and AA-200, the permittee shall comply with the applicable provisions of 40 CFR 63 - Subpart DDD, Formaldehyde Requirements for Curing Ovens in 40 CFR 63.1183. (Ref.: 40 CFR 63.1183)

- IV.9 For Emission Points AA-100 and AA-200, the permittee shall comply with the applicable provisions of 40 CFR 63 - Subpart DDD, Bag Leak Detection Requirements in 40 CFR 63.1184. (Ref.: 40 CFR 63.1184)
- IV.10 For Emission Point AA-100 and AA-200, the permittee shall comply with the applicable provisions of 40 CFR 63 - Subpart DDD, Minimum Incinerator Temperature Requirements in 40 CFR 63.1185. (Ref.: 40 CFR 63.1185)
- IV.11 For Emission Points AA-100 and AA-200, the permittee shall comply with the applicable provisions of 40 CFR 63 - Subpart DDD, Operation and Maintenance Requirements in 40 CFR 63.1187. (Ref.: 40 CFR 63.1187)
- IV.12 For Emission Points AA-100 and AA-200, the permittee shall comply with the applicable provisions of 40 CFR 63 - Subpart DDD, Performance Testing and Test Method Requirements in 40 CFR 63.1188 and 63.1189. (Ref.: 40 CFR 63.1188 and 63.1189)
- IV.13 For Emission Points AA-100 and AA-200, the permittee shall comply with the applicable provision of 40 CFR 63 - Subpart DDD, Recordkeeping Requirements in 40 CFR 63.1192. (Ref.: 40 CFR 63.1192)
- IV.14 For Emission Points AA-101 and AA-201, the permittee shall perform an initial stack test within 180 days of certification of construction or within 60 days of reaching maximum production, whichever is earlier, to develop operational ranges to provide a reasonable assurance of compliance with Conditions III.15 through III.21 of the PSD construction permit herein. Operational ranges shall be derived from stack test data, vendor certification, operational history, and visual inspections, the combination of which demonstrates the proper operation of the equipment in compliance. For those operations and/or pollution control equipment that are similar such that reciprocal stack testing can be performed in lieu of stack/performance testing each piece of control equipment, the permittee may elect to perform stack/performance testing on one of the control equipment emission points provided that the permittee utilizes this data to determine compliance for all pieces of control equipment that would be considered reciprocal. If the stack/performance testing demonstrates that the permittee is in violation of the emission point, then the permittee will be in violation of all reciprocal emission points unless the permittee elects to perform stack/performance testing on the reciprocal emission control equipment to demonstrate compliance. The permittee is not required to perform an initial stack test or subsequent stack test for the burning of natural gas only condition unless required by MDEQ. The permittee shall utilize the following Test Methods or an alternative EPA approved test method:
- (a) For filterable PM/PM₁₀, the permittee shall utilize EPA Reference Method 5
 - (b) For filterable PM_{2.5}, the permittee shall utilize EPA Reference Method 201A
 - (c) For condensable PM, the permittee shall utilize EPA Reference Method 202
 - (d) For CO (and VOC surrogate), the permittee shall utilize EPA Reference Method 10
 - (e) For NO_x, the permittee shall utilize EPA Reference Method 7E
 - (f) For SO₂, the permittee shall utilize EPA Reference Method 6

(g) For H₂SO₄, the permittee shall utilize EPA Reference Method 8

The permittee shall install and operate a Continuous Emissions Monitoring System (CEMS) for monitoring the emissions of CO, NO_x, and SO₂ according to the manufacturers design, specifications, and recommendations, of which a protocol shall be developed by the permittee and approved by the MDEQ prior to operation. The CEMS shall be installed no later than two years from start of operation. The MDEQ may reopen the permit at any time to establish the necessary parameters for establishing the appropriate averaging period/time for optimum operation of the CEMS. The CEMS shall meet the applicable performance specifications required by 40 Part 60, Appendix B, the applicable quality assurance procedures required in 40 CFR Part 60, Appendix F, and the requirements of 40 CFR 60.13. In lieu of the requirements of 40 CFR Part 60, Appendix F, 5.1.1, 5.1.3, and 5.1.4, the permittee may conduct either a Relative Accuracy Audit (RAA) or a Relative Accuracy Test Audit (RATA) on the CEM at least once every three (3) years. The permittee shall conduct Cylinder Gas Audits (CGA) each calendar quarter during which a RAA or a RATA is not performed.

(Ref.: PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014)

IV.15 For Emission Points AA-102, AA-202, AA-105, AA-205, AA-107, AA-207, AA-108, AA-208, AA-113, AA-213, and AA-503, the permittee shall perform an initial stack test within 180 days of certification of construction or within 60 days of reaching maximum production, whichever is earlier, to develop operational ranges to provide a reasonable assurance of compliance with Condition III.22, III.23, III.30, III.31, III.37, III.38, III.52 (AA-503 only), and III.53 (AA-503 only) of the PSD construction permit herein. Operational ranges shall be derived from stack test data, vendor certification, operational history, and visual inspections, the combination of which demonstrates the proper operation of the equipment in compliance. For those operations and/or pollution control equipment that are similar such that reciprocal stack testing can be performed in lieu of stack/performance testing each piece of control equipment, the permittee may elect to perform stack/performance testing on one of the control equipment emission points provided that the permittee utilizes this data to determine compliance for all pieces of control equipment that would be considered reciprocal. If the stack/performance testing demonstrates that the permittee is in violation of the emission point, then the permittee will be in violation of all reciprocal emission points unless the permittee elects to perform stack/performance testing on the reciprocal emission control equipment to demonstrate compliance. The permittee shall utilize the following Test Methods or an alternative EPA approved test method:

- (a) For filterable PM/PM₁₀, the permittee shall utilize EPA Reference Method 5
- (b) For filterable PM_{2.5}, the permittee shall utilize EPA Reference Method 201A
- (c) For condensable PM, the permittee shall utilize EPA Reference Method 202 (for AA-102, AA-202)

For Emission Points AA-107, AA-207, since the stack diameters are smaller than what can feasibly be tested with EPA Reference Method 201A, the permittee shall assume that PM_{2.5} is 50% of the filterable PM for demonstrating compliance with the PM_{2.5} emission limitations for these emission points. (Ref.: PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)

- IV.16 For Emission Points AA-102, AA-202, AA-103, AA-203, AA-105, AA-205, AA-106, AA-206, AA-107, AA-207, AA-108, AA-208, AA-109, AA-209, AA-110, AA-210, AA-111, AA-211, AA-112, AA-212, AA-113, AA-213, AA-114, AA-214, AA-115, AA-215, AA-116, AA-216, AA-117, AA-217, AA-120, AA-220, AA-305, AA-402, AA-500, AA-600a, AA-600b, AA-600f, AA-600g, AA-600h, AA-600i, AA-602a, and AA-602b the permittee shall maintain sufficient monthly records to certify that good operating, good housekeeping, and/or good combustion practices are being utilized for the control of air pollutants. These records shall be in the form of the following Good Work Practice Certification Statement which may be developed by the Senior Environmental Manager for the facility and certified by the Responsible Official in the semi-annual report submittals:

"Based upon my inquiry of the person or persons directly responsible for managing compliance with the permit limitations described in Condition III.24, III.28, III.30, III.31, III.32, III.33, III.34, III.35, III.36, III.37, III.38, III.41, III.43, III.49, III.52, III.53, III.54, III.55, III.56, III.67, III.68, III.69, III.70, III.71, and III.73 of the Prevention of Significant Deterioration Permit to Construct (PSD Construction Permit Herein) Issued on August 22, 2012, and modified on February 25, 2014, and FEBRUARY 1, 2017 for Emission Points AA-102, AA-202, AA-103, AA-203, AA-105, AA-205, AA-106, AA-206, AA-107, AA-207, AA-108, AA-208, AA-109, AA-209, AA-110, AA-210, AA-111, AA-211, AA-112, AA-212, AA-113, AA-213, AA-114, AA-214, AA-115, AA-215, AA-116, AA-216, AA-117, AA-217, AA-120, AA-220, AA-305, AA-402, AA-500, AA-600a, AA-600b, AA-600f, AA-600g, AA-600h, AA-600i, AA-602a, and AA-602b, I certify that, to the best of my knowledge and belief, preventative maintenance is being performed in a manner consistent with vendor certification, manufacturer design and specifications, and/or other applicable means for minimizing emissions. I further certify that this facility is maintaining sufficient records to demonstrate this upon a site inspection visit or request by any DEQ personnel."

(Ref.: PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)

- IV.17 For Emission Points AA-103 and AA-203, the permittee shall perform an initial stack test within 180 days of certification of construction or within 60 days of reaching maximum production, whichever is earlier, to develop operational ranges to provide a reasonable assurance of compliance with Conditions III.25, III.26, and III.27 of the PSD construction permit herein. Operational ranges shall be derived from stack test data, vendor certification, operational history, and visual inspections, the combination of which demonstrates the proper operation of the equipment in compliance. For those operations and/or pollution control equipment that are similar such that reciprocal stack testing can be performed in lieu of stack/performance testing each piece of control equipment, the

permittee may elect to perform stack/performance testing on one of the control equipment emission points provided that the permittee utilizes this data to determine compliance for all pieces of control equipment that would be considered reciprocal. If the stack/performance testing demonstrates that the permittee is in violation of the emission point, then the permittee will be in violation of all reciprocal emission points unless the permittee elects to perform stack/performance testing on the reciprocal emission control equipment to demonstrate compliance. The permittee is not required to perform an initial stack test or subsequent stack test for the burning of natural gas only condition unless required by MDEQ. The permittee shall utilize the following Test Methods or an alternative EPA approved test method:

- (a) For filterable PM/PM₁₀, the permittee shall utilize EPA Reference Method 5
- (b) For filterable PM_{2.5}, the permittee shall utilize EPA Reference Method 201A
- (c) For condensable PM, the permittee shall utilize EPA Reference Method 202
- (d) For NO_x, the permittee shall utilize EPA Reference Method 7E

(Ref.: PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014)

IV.18 For Emission Points AA-103 and AA-203, the permittee shall perform an initial stack test within 180 days of certification of construction or within 60 days of reaching maximum production, whichever is earlier, to develop operational ranges to provide a reasonable assurance of compliance with Conditions III.29 of the PSD construction permit herein. Operational ranges shall be derived from stack test data, vendor certification, operational history, and visual inspections, the combination of which demonstrates the proper operation of the equipment in compliance. For those operations and/or pollution control equipment that are similar such that reciprocal stack testing can be performed in lieu of stack/performance testing each piece of control equipment, the permittee may elect to perform stack/performance testing on one of the control equipment emission points provided that the permittee utilizes this data to determine compliance for all pieces of control equipment that would be considered reciprocal. If the stack/performance testing demonstrates that the permittee is in violation of the emission point, then the permittee will be in violation of all reciprocal emission points unless the permittee elects to perform stack/performance testing on the reciprocal emission control equipment to demonstrate compliance. The permittee shall utilize EPA Reference Method 318 or an alternative EPA-approved test method for determining the Formaldehyde emission rate (surrogate for CO and VOC). (Ref.: PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014)

IV.19 For Emission Point AA-103 and AA-203, the permittee shall monitor and maintain sufficient records to document the curing oven afterburner parameters for demonstrating compliance with the CO and VOC BACT limits in Permit Condition III.29. The permittee may elect to utilize the operational ranges developed during the stack testing and/or develop alternative ranges where necessary so long as these parameters do not contravene the stack test operational ranges. At a minimum, the permittee shall continuously record the following:

- (a) the temperature in the combustion chambers;
- (b) the hours of operation;
- (c) perform an annual inspection of the burners

(Ref.: PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014)

- IV.20 For Emission Points AA-111, AA-112, AA-116, AA-117, AA-211, AA-212, AA-216, and AA-217, the permittee shall comply with the applicable provisions of 40 CFR 60 - Subpart OOO, Particulate Matter Standards in 40 CFR 60.672. (Ref.: 40 CFR 60.672)
- IV.21 For Emission Points AA-111, AA-112, AA-116, AA-117, AA-211, AA-212, AA-216, and AA-217, the permittee shall comply with the applicable provisions of 40 CFR 60 - Subpart OOO, Monitoring Requirements in 40 CFR 60.674. (Ref.: 40 CFR 60.674)
- IV.22 For Emission Points AA-111, AA-112, AA-116, AA-117, AA-211, AA-212, AA-216, and AA-217, the permittee shall comply with the applicable provisions of 40 CFR 60 - Subpart OOO, Test Methods and Procedures in 40 CFR 60.675. (Ref.: 40 CFR 60.675)
- IV.23 For Emission Point AA-304, the permittee shall maintain sufficient monthly records to demonstrate the hours of operation and to certify that good housekeeping practices are being utilized for the control of air pollutants. These records shall be in the form of the following Good Work Practice Certification Statement which may be developed by the Senior Environmental Manager for the facility and certified by the Responsible Official in the semi-annual report submittals:

"Based upon my inquiry of the person or persons directly responsible for managing compliance with the permit limitations described in Condition III.44 of the Prevention of Significant Deterioration Permit to Construct (PSD Construction Permit Herein) Issued on August 22, 2012, and modified on February 25, 2014, for Emission Point AA-304, I certify that, to the best of my knowledge and belief, preventative maintenance is being performed in a manner consistent with vendor certification, manufacturer design and specifications, and/or other applicable means for minimizing emissions. I further certify that this facility is maintaining sufficient records to demonstrate this upon a site inspection visit or request by any DEQ personnel."

(Ref.: PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014)

- IV.24 For Emission Point AA-400, the permittee shall comply with the applicable provisions of the General Requirements of 40 CFR 63.8685. (Ref.: 40 CFR 63.8685)
- IV.25 For Emission Point AA-400, the permittee shall comply with the applicable provisions of the Performance Testing Requirements of 40 CFR 63.8686 and 63.8787. (Ref.: 40 CFR 63.8686 and 63.8787)

- IV.26 For Emission Point AA-400, the permittee shall comply with the applicable provisions of Monitoring Installation, Operation, and Maintenance Requirements of 40 CFR 63.8688. (Ref.: 40 CFR 63.8688)
- IV.27 For Emission Point AA-400, the permittee shall comply with the applicable provisions of the Initial Compliance Demonstration with Emission Limitations of 40 CFR 63.8689. (Ref.: 40 CFR 63.8689)
- IV.28 For Emission Point AA-400, the permittee shall comply with the applicable provisions of the Monitoring and Collecting Data to Demonstrate Continuous Compliance of 40 CFR 63.8690. (Ref.: 40 CFR 63.8690)
- IV.29 For Emission Point AA-400, the permittee shall comply with the applicable provisions of the Demonstrating Continuous Compliance with the Operating Limits of 40 CFR 63.8691. (Ref.: 40 CFR 63.8691)
- IV.30 For Emission Point AA-400, the permittee shall comply with the applicable provisions of the Recordkeeping Requirements of 40 CFR 63.8694 and 40 CFR 63.8695. (Ref.: 40 CFR 63.8694 and 63.8695)
- IV.31 For Emission Points AA-501, AA-502, AA-504, AA-505, AA-506, AA-507, AA-508, and AA-509, the permittee shall determine for each coating or other VOC containing material used and maintain sufficient monthly records to document:
- (a) Quantity used (gal or lb)
 - (b) The content (gram per liter)
 - (c) The density (lbs per gallon)
 - (d) The permittee may utilize data supplied by the manufacturer, or analysis of VOC and HAP content by EPA Test Method 24 and/or 311. 40 CFR 60, Appendix A
 - (e) The permittee shall calculate the VOC and HAP emissions from the use of these material each month and compare the VOC emissions to those allowed under Conditions III.57 and III.72 of the permit herein
- (Ref.: PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)
- IV.32 For Emission Points AA-600a, AA-600b, AA-600f, and AA-600g, the permittee shall comply with the applicable provisions of the Continuous Compliance Requirements of 40 CFR 63.7540. (Ref.: 40 CFR 7540)
- IV.33 For Emission Points AA-600c and AA-600d, the permittee shall comply with the applicable provisions of the monitoring requirements of 40 CFR 60.4209. (Ref.: 40 CFR 60.4209)

- IV.34 For Emission Points AA-600c and AA-600d, the permittee shall comply with the applicable provisions of the compliance requirements of 40 CFR 60.4211. (Ref.: 40 CFR 60.4211)
- IV.35 For Emission Point AA-603a, the permittee shall develop and implement maintenance guidelines for the dust control plan for demonstrating compliance with the BACT limit in Condition III.64 and maintain sufficient monthly records to demonstrate compliance. (Ref.: PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014)
- IV.36 For Emission Points AA-119 and AA-219, the permittee shall comply with the applicable provisions of the General Requirements of 40 CFR 63.3340. (Ref.: 40 CFR 63.3340)
- IV.37 For Emission Points AA-119 and AA-219, the permittee shall comply with the applicable provisions of Demonstrating Compliance with the Emission Standards of 40 CFR 63.3370 and Control Devices Monitoring of 40 CFR 63.3350, as applicable. (Ref.: 40 CFR 3370 and 40 CFR 63.3350)
- IV.38 For Emission Points AA-119 and AA-219, the permittee shall comply with the applicable provisions of the Performance Testing Requirements of 40 CFR 63.3360. (Ref.: 40 CFR 63.3360)
- IV.39 For Emission Points AA-119 and AA-219, the permittee shall comply with the applicable provisions of the Recordkeeping Requirements of 40 CFR 63.3410. (Ref.: 40 CFR 63.3410)

PART V
EMISSION POINT SPECIFIC REPORTING REQUIREMENTS

| Emission Point | Pollutant/ Parameter Monitored | Compliance Requirement | Condition Number | Applicable Requirement |
|---------------------------|--------------------------------------|---|---------------------|--|
| AA-000 (Facility-wide) | Performance Testing | Submit results no later than 60 days from actual test | V.1 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 |
| | Deviations | Reported with 5 days from the time the deviation began | V.2 | |
| | BACT Limits | Semi-Annual Report of Calculated BACT Limits | V.3 | |
| | Good Operation Requirements | Semi-Annual Certification of Monthly Good Operation Requirements | V.4 | |
| | Good Combustion Practices | Semi-Annual Certification of Monthly Good Combustion Requirements | | |
| | Good Housekeeping Practices | Semi-Annual Certification of Monthly Good Housekeeping Requirements | | |
| | Certification of Construction | Report in writing the effective date of start-up no later than 10 days following commencement | V.5 | |
| | Control Equipment | Semi-Annual Reports demonstrating that control devices were operated at all times | V.6 | |
| | CAM | Semi-Annual Reports providing any deviations from approved CAM Plan | V.7 | |
| | Opacity | Semi-Annual Reports providing Visible Emission Measurement (VEM) exceedances | V.8 | |
| | CO ₂ e | Semi-Annual Report of Facility-Wide Emission Rate in tons per year as determined for each consecutive 12-month period | V.9 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 |
| | NO _x | | | |
| | CO | | | |
| | SO ₂ | | | |
| | VOC | | | |

| Emission Point | Pollutant/ Parameter Monitored | Compliance Requirement | Condition Number | Applicable Requirement |
|---|--|---|---------------------|--|
| AA-000 (Facility-wide) | Formaldehyde | Semi-Annual Report of Facility-Wide Emission Rate in tons per year as determined for each consecutive 12-month period | V.9 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 |
| | PM/PM ₁₀ (filterable and condensable) | | | |
| | PM _{2.5} (filterable and condensable) | | | |
| | H ₂ SO ₄ | | | |
| AA-100 and AA-200 (Melting Lines 1 and 2) | CO _{2e} | Semi-Annual Report of Calculated BACT Limits | V.10 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014 |
| AA-101 and AA-201 (Mineral Wool Lines 1 and 2) | PM (filterable) | Semi-Annual Report of Calculated short term BACT Limits | V.11 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014 |
| | PM/PM ₁₀ (filterable and condensable) | | | |
| | PM _{2.5} (filterable and condensable) | | | |
| | NO _x | | | |
| | CO | | | |
| | VOC | | | |
| | H ₂ SO ₄ | | | |
| | SO ₂ | | | |

| Emission Point | Pollutant/ Parameter Monitored | Compliance Requirement | Condition Number | Applicable Requirement |
|---|--|---|---------------------|--|
| AA-102 and AA-202 (Spinning Chambers and Cooling Sections on Lines 1 and 2) | PM/PM ₁₀ (filterable and condensable) | Semi-Annual Report of Calculated short term BACT Limits | V.12 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014 |
| | PM _{2.5} (filterable and condensable) | | | |
| AA-103 and AA-203 (Curing Ovens) | PM/PM ₁₀ (filterable and condensable) | Semi-Annual Report of Calculated short term BACT Limits | V.13 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014 |
| | PM _{2.5} (filterable and condensable) | | | |
| | NO _x | | | |
| | CO | | | |
| | VOC | | | |
| AA-105, AA-205, AA-107, AA-207, AA-108, and AA-208 (Line 1 and 2 Cutting Dust, Line Dust, and Vacuum Cleaning Baghouses) | PM/PM ₁₀ (filterable) | Semi-Annual Report of Calculated short term BACT Limits | V.12 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014 |
| | PM _{2.5} (filterable) | | | |
| AA-500 (Rockfon Line) | PM/PM ₁₀ (filterable and condensable) | Semi-Annual Report of Calculated BACT Limits | V.12 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 |
| | PM _{2.5} (filterable and condensable) | | | |
| | CO _{2e} | | V.10 | |

| Emission Point | Pollutant/ Parameter Monitored | Compliance Requirement | Condition Number | Applicable Requirement |
|--|--|---|---------------------|--|
| AA-504, AA-505, AA-506, AA-507, AA-508, and AA-509 <i>(Drying Oven 1, High Oven A, Drying Oven 2 and 3, Cooling Zone, High Oven B, and Spray Paint Cabin for Rockfon Line)</i> | VOC | Semi-annual report providing the VOC Content | V.14 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 |
| AA-100 and AA-200 <i>(Mineral Wool Lines 1 and 2)</i> | NESHAP – Subpart DDD | Notification Requirements | V.15 | 40 CFR 63.1191 |
| | | Reporting Requirements | V.16 | 40 CFR 63.1193 |
| AA-400 <i>(Bitumen Line)</i> | NESHAP- Subpart LLLLL | Notification Requirements | V.17 | 40 CFR 63.8692 |
| | | Reporting Requirements | V.18 | 40 CFR 63.8693 |
| AA-000 <i>(Entire Facility)</i> | Collective Reporting Requirements | Semi-annual reports not identified elsewhere | V.19 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 |
| AA-111, AA-112, AA-113, AA-114, AA-115, AA-116, AA-117, AA-120, AA-211, AA-212, AA-213, AA-214, AA-215, AA-216, AA-217, and AA-220 <i>(Conveyor Transfer Points, Charging Building Material Handling, Charging Building Vacuum System, Coal Storage Silos, Coal Feed Tank, Filter Fines Receiving Silos, Filter Fines Day Silos, and Lime Storage Silos for Lines 1 and 2)</i> | PM/PM ₁₀ (filterable and condensable) | Semi-Annual Report of Calculated BACT Limits | V.12 | PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017 |
| | PM _{2.5} (filterable and condensable) | | | |

| Emission Point | Pollutant/ Parameter Monitored | Compliance Requirement | Condition Number | Applicable Requirement |
|--|--------------------------------------|--|---------------------|---------------------------|
| AA-111, AA-112, AA-116, AA-117, AA-211, AA-212, AA-216, and AA-217 (Conveyor Transfer Points, Charging Building Material Handling, Filter Fines Receiving Silos, and Filter Fines Day Silos for Lines 1 and 2) | NSPS – Subpart OOO | Reporting and Recordkeeping Requirements | V.20 | 40 CFR 60.676 |
| AA-600a, AA-600b, AA- 600f, and AA-600g (Backup Natural Gas-Fired Boilers) | NESHAP – Subpart DDDDD | Notifications Requirements | V.21 | 40 CFR 63.7545 |
| | | Reporting Requirements | V.22 | 40 CFR 63.7550 |
| | | Recordkeeping Requirements | V.23 | 40 CFR 63.7555 |
| AA-600c and AA-600d (Emergency Fire Pump Engines) | NSPS – Subpart IIII | Notification, Reporting, and Recordkeeping Requirements | V.24 | 40 CFR 60.4214 |
| AA-119 and AA-219 (Fleece Application for Lines 1 and 2) | NESHAP – Subpart JJJJ | Notification and Reporting Requirements | V.25 | 40 CFR 63.3400 |

- V.1 For Emission Point AA-000 (the Entire Facility), the permittee shall submit the results of the required Emission Point Specific Performance Testing within 60 days of the actual test for demonstrating compliance with the Emission Point Specific Limitation. (Ref.: PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)
- V.2 For Emission Point AA-000 (the Entire Facility), any deviation(s) from the permit herein shall be reported within 5 days from the time of the deviation began. The report shall also include the probable cause of deviation(s) and any corrective action(s) or preventative measure taken. (Ref.: PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)

- V.3 For Emission Point AA-000 (the Entire Facility), the permittee shall submit semi-annual reports by July 31st and January 31st for the preceding six-month period containing the facility-wide emission rates, emission point specific BACT limitation rates, and any other emission point-specific emission limitation for demonstrating compliance with the Facility-Wide Emission Rates, Emission Point-Specific BACT Limits and any other Emission Point-Specific Emission Limitations. The facility's first semi-annual reports are due January 31, 2015, or by the applicable July 31 or January 31 deadline following the first full six (6) months of operation. (Ref.: PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)
- V.4 For Emission Point AA-000 (the Entire Facility) where applicable (specifically AA-102, AA-202, AA-103, AA-203, AA-105, AA-205, AA-106, AA-206, AA-107, AA-207, AA-108, AA-208, AA-109, AA-209, AA-110, AA-210, AA-111, AA-211, AA-112, AA-212, AA-113, AA-213, AA-114, AA-214, AA-115, AA-215, AA-116, AA-216, AA-117, AA-217, AA-120, AA-220, AA-305, AA-402, AA-500, AA-600h, AA-600i, AA-602a, and AA-602b), the permittee shall submit semi-annual reports providing the Good Operation, Good Combustion, and/or Good Housekeeping statements in accordance with Condition IV.16 of the permit herein. (Ref.: PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)
- V.5 For Emission Point AA-000 (the Entire Facility), the permittee shall submit to the MDEQ in writing the effective date of start-up no later than 10 days after commencement of operation. (Ref.: PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)
- V.6 For Emission Point AA-000 (the Entire Facility), the permittee shall submit semi-annual reports certifying that the control equipment (Facility-Wide) was operated at all times during manufacturing. (Ref.: PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)
- V.7 For Emission Point AA-000 (the Entire Facility), the permittee shall submit semi-annual reports providing any deviation from the approved Compliance Assurance Monitoring (CAM) Plan for the applicable emission points for which CAM applies. (Ref.: 40 CFR 64.2(a))
- V.8 For Emission Point AA-000 (the Entire Facility), the permitted shall submit semi-annual reports containing the requirements of Condition IV.2 of the permit herein for demonstrating compliance with Condition III.9 of the permit herein no later than July 31st and January 31st. (Ref.: PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)
- V.9 For Emission Point AA-000 (the Entire Facility), the permittee shall submit semi-annual reports by July 31st and January 31st for the preceding six-month period containing the facility-wide emission rates of CO₂e, NO_x, CO, SO₂, VOC, Formaldehyde, PM/PM₁₀ (filterable and condensable), PM_{2.5} (filterable and condensable), and H₂SO₄ for demonstrating compliance with the Emission Limitations in Conditions III.1 through III.8

and the Monitoring and Recordkeeping in Condition IV.1. (Ref.: PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)

- V.10 For Emission Point AA-100, AA-200, and AA-500, the permittee shall submit semi-annual reports by July 31st and January 31st for the preceding six-month period containing the emission rates of CO_{2e} for demonstrating compliance with the Emission Limitations in Conditions III.13 and III.51 and the Monitoring and Recordkeeping in Condition IV.5. (Ref.: PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)
- V.11 For Emission Point AA-101 and AA-201, the permittee shall submit semi-annual reports by July 31st and January 31st for the preceding six-month period containing the emission rates of NO_x, CO, VOC, PM (filterable), PM/PM₁₀ (filterable and condensable), PM_{2.5} (filterable and condensable), H₂SO₄, and SO₂ for demonstrating compliance with the Emission Limitations in Conditions III.15 through III.21 and the Monitoring and Recordkeeping in Condition IV.14. (Ref.: PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014)
- V.12 For Emission Point AA-102, AA-202, AA-105, AA-205, AA-107, AA-207, AA-108, AA-208, AA-111, AA-211, AA-112, AA-212, AA-113, AA-213, AA-114, AA-214, AA-115, AA-215, AA-116, AA-216, AA-117, AA-217, AA-120, AA-220, and AA-500, the permittee shall submit semi-annual reports by July 31st and January 31st for the preceding six month period containing the emission rate of PM/PM₁₀ and PM_{2.5} for demonstrating compliance with the Emission Limitations in Conditions III.22, III.23, III.30, III.31, III.35, III.36, III.37, III.38, III.41, III.43, III.52, III.53, III.54, III.55, III.67, and III.68 the Monitoring and Recordkeeping in Permit Condition IV.15. (Ref.: PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)
- V.13 For Emission Point AA-103 and AA-203, the permittee shall submit semi-annual reports by July 31st and January 31st for the preceding six-month period containing the emission rate of PM/PM₁₀ (filterable and condensable), PM_{2.5} (filterable and condensable), NO_x, and Formaldehyde (surrogate for CO and VOC) for demonstrating compliance with the Emission Limitations in Conditions III.25, III.26, III.27, and III.29 and the Monitoring and Recordkeeping in Permit Conditions IV.16 through IV.19. (Ref.: PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)
- V.14 For Emission Points AA-501, AA-502, AA-504, AA-505, AA-506, AA-507, AA-508, and AA-509, the permittee shall submit semi-annual reports by July 31st and January 31st for the preceding six-month period containing the emission rate of VOC for determining compliance with the Emission Limitations in Permit Conditions III.57 and III.72 and the Monitoring and Recordkeeping in Permit Condition IV.31. The report shall contain the following:

- (a) Quantity used (gal or lb)
- (b) The content (gram per liter)
- (c) The density (lbs per gallon)
- (d) The permittee may utilize data supplied by the manufacturer, or analysis of VOC and HAP content by EPA Test Method 24 and/or 311. 40 CFR 60, Appendix A
- (e) The permittee shall calculate the VOC and HAP emissions from the use of these material each month and compare the VOC emissions to those allowed under Condition III.57 of the permit herein

(Ref.: PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)

- V.15 For Emission Point AA-100 and AA-200, the permittee shall comply with the applicable provisions of 40 CFR 63 - Subpart DDD, specifically 40 CFR 63.1191 and submit Notification Requirements. (Ref.: 40 CFR 63.1191)
- V.16 For Emission Point AA-100 and AA-200, the permittee shall comply with the applicable provisions of 40 CFR 63 - Subpart DDD, specifically 40 CFR 63.1193 and submit Reporting Requirements. (Ref.: 40 CFR 63.1193)
- V.17 For Emission Point AA-400, the permittee shall comply with the applicable provisions of 40 CFR 63 - Subpart LLLLL, specifically 40 CFR 63.8692 and submit Notification Requirements. (Ref.: 40 CFR 63.8692)
- V.18 For Emission Point AA-400, the permittee shall comply with the applicable provisions of 40 CFR 63 - Subpart LLLLL, specifically 40 CFR 63.8693 and submit Reporting Requirements. (Ref.: 40 CFR 63.8693)
- V.19 For the Entire Facility, the permittee shall submit semi-annual reports by July 31st and January 31st for the preceding six-month period. Where a specific requirement states 30 days from the semi-annual period ending June 30th and December 31st, the permittee shall comply with the more stringent reporting requirement of 30 days and submit said reports of all semi-annual monitoring in its entirety collectively. (Ref.: PSD Construction Permit Issued August 22, 2012, and modified on February 25, 2014, and February 1, 2017)
- V.20 For Emission Points AA-111, AA-112, AA-116, AA-117, AA-211, AA-212, AA-216, and AA-217, the permittee shall comply with the applicable provisions of 40 CFR 60, Subpart OOO, specifically 40 CFR 60.676 and submit Reporting and Recordkeeping Requirements. (Ref.: 40 CFR 60.676)
- V.21 For Emission Points AA-600a, AA-600b, AA-600f, and AA-600g, the permittee shall comply with the applicable provisions of the notification requirements contained in 40 CFR 63, Subpart DDDDD, specifically 40 CFR 63.7545. (Ref.: 40 CFR 63.7545)

- V.22 For Emission Points AA-600a, AA-600b, AA-600f, and AA-600g, the permittee shall comply with the applicable provisions of the reporting requirements contained in 40 CFR 63, Subpart DDDDD, specifically 40 CFR 63.7550. (Ref.: 40 CFR 63.7550)
- V.23 For Emission Points AA-600a, AA-600b, AA-600f, and AA-600g, the permittee shall comply with the applicable provisions of the recordkeeping requirements contained in 40 CFR 63, Subpart DDDDD, specifically 40 CFR 63.7555. (Ref.: 40 CFR 63.7555)
- V.24 For Emission Points AA-600c and AA-600d, the permittee shall comply with the applicable provisions of 40 CFR 60, Subpart IIII, specifically 40 CFR 60.4214 and submit Notification, Reporting, and Recordkeeping Requirements. (Ref.: 40 CFR 60.4214)
- V.25 For Emission Points AA-119 and AA-219, the permittee shall comply with the applicable provisions of the Notification and Reporting Requirements of 40 CFR 63.3400. (Ref.: 40 CFR 63.3400)