



Department of
Environmental Protection
Division of Air Resource Management

APPLICATION FOR AIR PERMIT - NON-TITLE V SOURCE
DEP FORM No. 62-210.900(3) and INSTRUCTIONS

I. APPLICATION INFORMATION

Identification of Facility

1. Facility Owner/Company Name: James Hardie Building Products, Inc.	
2. Site Name: Plant City Facility	
3. Facility Identification Number: <u>0570460</u> Unknown <input type="checkbox"/>	
4. Facility Location Street Address or Other Locator: 809 S. Woodrow Wilson Road City: Plant City County: Hillsborough Zip Code: 33566	
5. Relocatable Facility? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	6. Existing Permitted Facility? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Application Contact

1. Application Contact Name: John Dembowski Title: Plant Manager	
2. Application Contact Mailing Address Organization/Firm: James Hardie Building Products, Inc. Street Address: 809 S. Woodrow Wilson Road City: Plant City State: FL Zip Code: 33566	
3. Application Contact Telephone Numbers Telephone: (813) 784-5485 ext. Fax: (813) 707-5285	
4. Application Contact E-mail Address: John.demboski@jameshardie.com	

Application Processing Information (DEP Use Only)

1. Date of Receipt of Application:
2. Permit Project Number:

Purpose of Application

This application for air permit is being submitted to obtain: (Check one)

Air Operation Permit Application

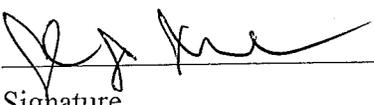
- Initial non-Title V air operation permit for one or more existing, but previously unpermitted, emissions units.
- Initial non-Title V air operation permit for one or more newly constructed or modified emissions units.
Current construction permit number: 0570460-031/-032/-035-AC
- Non-Title V air operation permit revision to address one or more newly constructed or modified emissions units.
Current construction permit number: _____
Operation permit number to be revised: _____
- Initial non-Title V air operation permit under Rule 62-210.300(2)(b), F.A.C., for an existing facility seeking classification as a synthetic non-Title V source.
Current operation/construction permit number(s):

- Non-Title V air operation permit revision for a synthetic non-Title V source. Give reason for revision; e.g., to address one or more newly constructed or modified emissions units.
Operation permit number to be revised: _____
Reason for revision: _____

Air Construction Permit Application

- Air construction permit to construct or modify one or more emissions units.
- Air construction permit to make federally enforceable an assumed restriction on the potential emissions of one or more existing, permitted emissions units.
- Air construction permit for one or more existing, but unpermitted, emissions units.

Owner/Authorized Representative

1. Owner/Authorized Representative Name: John Dembowski _____ Title: Plant Manager _____
2. Owner/Authorized Representative Mailing Address Organization/Firm: James Hardie Building Products Street Address: 809 S. Woodrow Wilson St. City: Plant City State: FL Zip Code: 33563
3. Owner/Authorized Representative Telephone Numbers Telephone: (813) 784-5485 ext. _____ Fax: (813) 707-5285 _____
4. Owner/Authorized Representative E-mail Address: John.demboski@jameshardie.com
5. Owner/Authorized Representative Statement: <i>I, the undersigned, am the owner or authorized representative* of the facility addressed in this air permit application. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection (Department) and revisions thereof. I understand that a permit, if granted by the Department, cannot be transferred without authorization from the Department, and I will promptly notify the Department upon sale or legal transfer of any permitted emissions unit.</i>  _____ Signature 10/29/18 _____ Date

* Attach letter of authorization if not currently on file.

Professional Engineer Certification

1. Professional Engineer Name: Gerald J. Kissel, P.E. Florida License Number: 41958
2. Professional Engineer Mailing Address Organization/Firm: Gerald J. Kissel, P.E. Street Address: 2982 Buxton Ct. City: Clearwater State: FL Zip Code: 33761
3. Professional Engineer Telephone Numbers Telephone: (727) 787 - 3090 Fax: (727) 787 - 3090 (call this number for setup before sending fax)
4. Professional Engineer E-mail Address: jerrykissel2@yahoo.com

5. Professional Engineer Statement:

I, the undersigned, hereby certify, except as particularly noted herein, that:*

To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this Application for Air Permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and

To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.

If the purpose of this application is to obtain an air construction permit for one or more proposed new or modified emissions units (check here if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.

If the purpose of this application is to obtain an initial air operation permit or operation permit revision for one or more newly constructed or modified emissions units (check here if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.

Signature

(seal)

Date

* Attach any exception to certification statement.

Scope of Application

Emissions Unit ID Number	Description of Emissions Unit	Air Permit Type	Air Permit Processing Fee
002	Silica Silo No.1	AF2B	Covered Under AO
019	VOC Painting/Coating Operations	AF2C	Covered Under AO
022	Silica Silo No.2	AF2B	Covered Under AO
024	Cement Silo No.2	AF2B	Covered Under AO
025	Silica Silo No.3	AF2B	Covered Under AO
032	Perlite Ore Silo	AFMM	\$250.00
033	Perlite Furnace No.1	AFMM	\$250.00
034	Perlite Furnace No.2	AFMM	Similar Source
035	Finishing (Trim Edge and Surface Smoothing) Baghouse	AFMM	\$250.00
037	Silica Silo No.4 for Ball Mill No.4	AFMM	\$250.00
038	Intermediate Additive Silo	AFMM	Similar Source

Application Processing Fee

Check one: Attached - Amount: \$ 1,000.00 Not Applicable

A check for \$1,000.00, made payable to "EPC of Hillsborough County".

Construction/Modification Information

1. **Description of Proposed Project or Alterations:** NA

2. **Projected or Actual Date of Commencement of Construction:** NA

3. **Projected Date of Completion of Construction:** NA

Application Comment

See Project Description - Attachment THREE.

II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Location and Type

1. Facility UTM Coordinates			
Zone: 17		East (km): 387.07	North (km): 3089.53
2. Facility Latitude/Longitude			
Latitude (DD/MM/SS): 28/00/35		Longitude (DD/MM/SS): 82/08/53	
3. Governmental Facility Code:	4. Facility Status Code:	5. Facility Primary Major Group SIC Code:	6. Facility SIC(s):
O	A	32	3271
7. Facility Primary NAICS 2-digit Code:		8. Facility NAICS(s) 6-digit Code(s):	
32		327390	
9. Facility Comment (limit to 500 characters): NA			

Facility Contact

1. Facility Contact
Name: <u> Tiffany Harmon </u> Title: <u>Environmental Specialist</u>
2. Facility Contact Mailing Address
Organization/Firm: <u>James Hardie Building Products, Inc.</u>
Street Address: <u>809 S. Woodrow Wilson St.</u>
City: <u>Plant City</u> State: <u>FL</u> Zip Code: <u>33563</u>
3. Facility Contact Telephone Numbers
Telephone: <u>(813) 494-0398 ext. _____</u> Fax: <u>(813)707-5385</u>
4. Facility Contact E-mail Address: <u>Tiffany.Harmon@jameshardie.com</u>

Facility Regulatory Classifications

Check all that would apply *following* completion of all projects and implementation of all other changes proposed in this application for air permit. Refer to instructions for an explanation of "synthetic.":

1. <input type="checkbox"/> Small Business Stationary Source <input checked="" type="checkbox"/> Unknown
2. <input checked="" type="checkbox"/> Synthetic Non-Title V Source
3. <input checked="" type="checkbox"/> Synthetic Minor Source of Pollutants, Other than Hazardous Air Pollutants (HAPs)
4. <input type="checkbox"/> Synthetic Minor Source of HAPs
5. <input checked="" type="checkbox"/> One or More Emissions Units Subject to NSPS (40 CFR Part 60)
6. <input checked="" type="checkbox"/> One or More Emission Units Subject to NESHAP (40 CFR Part 61 or Part 63) Recordkeeping or Reporting
7. <input type="checkbox"/> Facility Regulatory Classifications Comment (limit to 200 characters):

Rule Applicability Analysis

This facility is subject to the following regulations:

General VOC regulation

Particulate RACT

Small Boiler Rule

40 CFR 60 Subpart Dc

40 CFR 60 Subpart OOO

40 CFR 60 Subpart UUU

40 CFR 63 Subpart ZZZZ for emergency generators

EPC Chapter 1-3

EMISSION UNIT
INFORMATION SECTION NO. 002

SAND SILO NO. 1

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G, as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

<p>1. Type of Emissions Unit Addressed in this Section (Check one)</p> <p><input checked="" type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.</p>		
<p>2. Description of Emissions Unit Addressed in this Section (limit to 60 characters):</p> <p style="text-align: center;">Sheet Plant – Existing Sand Silo No. 1 and Miscellaneous Subpart 000 Operations</p>		
<p>3. Emissions Unit Identification Number ID: 002</p>		<p><input type="checkbox"/> No ID</p> <p><input type="checkbox"/> ID Unknown</p>
<p>4. Emissions Unit Status Code: A</p>	<p>5. Initial Startup Date: NA</p>	<p>6. Emissions Unit Major Group SIC Code: 32</p>
<p>7. NAICS Code: 327390</p>		
<p>8. Emissions Unit Comment: (Limit to 500 Characters)</p> <p>This emission unit covers the operation of the sand silo and associated material handling equipment. Although the two ball mills at the Flat Sheet Plant are exempt from the requirements of 40 CFR 60 Subpart 000 due to their age, it is EPC's position that the storage silo and material handling equipment are subject to Subpart 000. These operations consist of: an underground conveyor from the truck unload hopper to the bucket elevator, bucket elevator, sand silo no. 1, the conveyor from the bucket elevator to sand silo no. 2, the conveyor from sand silo no. 1 to ball mill no. 1, the conveyor from sand silo no. 1 to ball mill no. 2 and the conveyor from sand silo no. 2 which drops material onto the conveyor from sand silo no. 1 to ball mill no. 2. In the ball mills, water is added. All operations after the mills are in liquid state and are not subject to Subpart 000.</p> <p>The construction application was for the removal of the requirement to operate the baghouse and associated pickup points for Sand Silo No.: 1. The silo now operates uncontrolled.</p>		

B. EMISSION POINT (STACK/VENT) INFORMATION

1. Identification of Point on Plot Plan or Flow Diagram: 002		2. Emission Point Type Code: 4
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): NA		
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NA		
5. Discharge Type Code: NA	6. Stack Height (feet): NA	7. Exit Diameter (feet): NA
8. Exit Temperature (°F): NA	9. Actual Volumetric Flow Rate (acfm): NA	10. Water Vapor (%): NA
11. Maximum Dry Standard Flow Rate (dscfm): NA		12. Nonstack Emission Point Height (feet): NA
13. Emission Point UTM Coordinates NA Zone: East (km): North (km):		
14. Emission Point Comment (limit to 200 characters): NA		

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate Segment 1 of 1

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Bulk Materials Storage Bins - Sand		
2. Source Classification Code (SCC): 30510299	3. SCC Units: Tons Processed	
4. Maximum Hourly Rate: Approx. 80 tons	5. Maximum Annual Rate: Capped in permit	6. Estimated Annual Activity Factor: NA
7. Maximum % Sulfur: NA	8. Maximum % Ash: NA	9. Million Btu per SCC Unit: NA
10. Segment Comment (limit to 200 characters): NA		

Segment Description and Rate Segment _____ of _____ NA

1. Segment Description (Process/Fuel Type) (limit to 500 characters):		
2. Source Classification Code (SCC):	3. SCC Units:	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters):		

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: PM		2. Pollutant Regulatory Code: EL	
3. Primary Control Device: NA	4. Secondary Control Device: NA	5. Total Percent Efficiency of Control: NA	
6. Potential Emissions <u>0.336</u> lbs/hour <u>0.736</u> tons/year		7. Synthetically-Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
8. Emission Factor: 0.0021 lb/ton Reference: AP-42 Table 11.12-2		9. Emissions Method Code: 3B	
10. Calculation of Emissions (limit to 600 characters): See the emission calculation spreadsheet in Attachment FOUR.			
11. Pollutant Potential Emissions Comment (limit to 200 characters): This operation is not subject to particulate RACT since the potential emissions are below one ton per year pursuant to Rule 62-296.700(2)(c), F.A.C. and EPC Rule: 1-3.61.			

Allowable Emissions Numerical Emissions Limitation _____ of _____ NA

1. Basis for Numerical Emissions Limitation Code:	2. Future Effective Date of Numerical Emissions Limitation:
3. Numerical Emissions Limitation and Units:	4. Equivalent Allowable Emissions: _____ lbs/hour _____ tons/year
5. Method of Compliance (limit to 60 characters):	
6. Allowable Emissions Comment (Description of Operating Method) (limit to 200 characters):	

E. VISIBLE EMISSIONS INFORMATION
 (Only Emissions Units Subject to a VE Limitation)

Visible Emissions Limitation Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VE05	2. Basis for Limitation: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Opacity Limit Normal Conditions: 5 % Exceptional Conditions: NA % Maximum Period of Excess Opacity Allowed: NA min/hour	
4. Method of Compliance: EPA Method 9 - Visible Emission Test Method	
5. Visible Emissions Comment (limit to 200 characters): 40 CFR 60 Subpart OOO and EPC visible emission standards.	

F. CONTINUOUS MONITOR INFORMATION
 (Only Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System Continuous Monitor _____ of _____ NA

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	
4. Monitor Manufacturer: _____ Model Number: _____ Serial Number: _____	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200 characters):	

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION
Supplemental Requirements

1. Process Flow Diagram <input checked="" type="checkbox"/> Attached, Document ID: <u>THREE</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
3. Detailed Description of Control Equipment <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Compliance Test Report <input checked="" type="checkbox"/> Attached, Document ID: <u>EIGHT</u> <input type="checkbox"/> Previously submitted, Date: _____ <input type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Supplemental Requirements Comment: NA

EMISSION UNIT
INFORMATION SECTION NO. 019

VOC PAINTING/COATING OPERATIONS

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G, as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

<p>1. Type of Emissions Unit Addressed in this Section (Check one)</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.</p> <p><input checked="" type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.</p>		
<p>2. Description of Emissions Unit Addressed in this Section (limit to 60 characters):</p> <p style="text-align: center;">Plant-wide VOC Emissions (all operations)</p>		
<p>3. Emissions Unit Identification Number ID: 019</p>		<p><input type="checkbox"/> No ID</p> <p><input type="checkbox"/> ID Unknown</p>
<p>4. Emissions Unit Status Code: A</p>	<p>5. Initial Startup Date:</p> <p style="text-align: center;">Exiting</p>	<p>6. Emissions Unit Major Group SIC Code: 32</p>
<p>7. NAICS Code: 327390</p>		
<p>8. Emissions Unit Comment: (Limit to 500 Characters)</p> <p>This emissions unit covers the VOC and HAP emissions from all significant coating and solvent use activities at the plant. Including but not limited to painting, coating, inks, ink conditioners, and misc. solvent use.</p> <p>The VOC content of the primer was previously estimated to be zero, but new data showed that this primer now contains a small amount of VOC as applied, which is less than 0.045 lbs/gal,) due to changes in the chemical formulation. The increase in the VOC content of the primer results in an increase in actual VOC emissions. However, the VOC PTE will not change, since it was based on 0.045 lbs/gal, which is the worst case. The facility did not request an increase in material usage. The current facility-wide PTE for VOC emissions is 49.8 TPY.</p>		

B. EMISSION POINT (STACK/VENT) INFORMATION

1. Identification of Point on Plot Plan or Flow Diagram: NA		2. Emission Point Type Code: 4
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): NA		
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NA		
5. Discharge Type Code: F	6. Stack Height (feet): NA	7. Exit Diameter (feet): NA
8. Exit Temperature (°F): NA	9. Actual Volumetric Flow Rate (acfm): NA	10. Water Vapor (%): NA
11. Maximum Dry Standard Flow Rate (dscfm): NA		12. Nonstack Emission Point Height (feet): NA
13. Emission Point UTM Coordinates NA Zone: East (km): North (km):		
14. Emission Point Comment (limit to 200 characters): NA		

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate Segment 1 of 1

1. Segment Description (Process/Fuel Type) (limit to 500 characters): General Surface Coating Operations		
2. Source Classification Code (SCC): 40200210	1. 3. SCC Units: gallons per year	
4. Maximum Hourly Rate: NA	5. Maximum Annual Rate: Capped in permit	6. Estimated Annual Activity Factor: NA
7. Maximum % Sulfur: NA	8. Maximum % Ash: NA	9. Million Btu per SCC Unit: NA
10. Segment Comment (limit to 200 characters): NA		

Segment Description and Rate Segment _____ of _____ NA

1. Segment Description (Process/Fuel Type) (limit to 500 characters):		
2. Source Classification Code (SCC):	3. SCC Units:	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters):		

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: VOC		2. Pollutant Regulatory Code: EL	
3. Primary Control Device: NA	4. Secondary Control Device: NA	5. Total Percent Efficiency of Control: NA	
6. Potential Emissions NA lbs/hour 49.8* tons/year		7. Synthetically-Limited? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
8. Emission Factor: Material Balance Reference: Material Balance		9. Emissions Method Code: 2	
10. Calculation of Emissions (limit to 600 characters): Capped in operating permit. * VOC allowable emissions cap in current operating permit. Note: HAP emissions are below the 10 and 25 ton/year thresholds.			
11. Pollutant Potential Emissions Comment (limit to 200 characters): NA			

Allowable Emissions Numerical Emissions Limitation _____ of _____ NA

1. Basis for Numerical Emissions Limitation Code:	2. Future Effective Date of Numerical Emissions Limitation:
3. Numerical Emissions Limitation and Units:	4. Equivalent Allowable Emissions: _____ lbs/hour _____ tons/year
5. Method of Compliance (limit to 60 characters):	
6. Allowable Emissions Comment (Description of Operating Method) (limit to 200 characters):	

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Process Flow Diagram <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
3. Detailed Description of Control Equipment <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Compliance Test Report <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously submitted, Date: _____ <input checked="" type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Supplemental Requirements Comment: NA

EMISSION UNIT
INFORMATION SECTION NO. 022

SAND SILO NO. 2

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G₂ as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

<p>1. Type of Emissions Unit Addressed in this Section (Check one)</p> <p><input checked="" type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.</p>		
<p>2. Description of Emissions Unit Addressed in this Section (limit to 60 characters):</p> <p style="text-align: center;">Sheet Plant – Existing Sand Silo No. 2</p>		
<p>3. Emissions Unit Identification Number ID: 022</p>		<p><input type="checkbox"/> No ID</p> <p><input type="checkbox"/> ID Unknown</p>
<p>4. Emissions Unit Status Code: A</p>	<p>5. Initial Startup Date: NA</p>	<p>6. Emissions Unit Major Group SIC Code: 32</p>
<p>7. NAICS Code: 327390</p>		
<p>8. Emissions Unit Comment: (Limit to 500 Characters)</p> <p>This emission unit covers the operation of the sand silo and associated material handling equipment. Although the two ball mills at the Flat Sheet Plant are exempt from the requirements of 40 CFR 60 Subpart 000 due to their age, it is EPC's position that the storage silo and material handling equipment are subject to Subpart 000.</p> <p>The construction application was for the removal of the requirement to operate the baghouse and associated pickup points for Sand Silo No.: 2. The silo now operates uncontrolled.</p>		

B. EMISSION POINT (STACK/VENT) INFORMATION

1. Identification of Point on Plot Plan or Flow Diagram: 022		2. Emission Point Type Code: 4
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): NA		
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NA		
5. Discharge Type Code: NA	6. Stack Height (feet): NA	7. Exit Diameter (feet): NA
8. Exit Temperature (°F): NA	9. Actual Volumetric Flow Rate (acfm): NA	10. Water Vapor (%): NA
11. Maximum Dry Standard Flow Rate (dscfm): NA		12. Nonstack Emission Point Height (feet): NA
13. Emission Point UTM Coordinates NA Zone: East (km): North (km):		
14. Emission Point Comment (limit to 200 characters): NA		

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate Segment 1 of 1

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Bulk Materials Storage Bins - Sand		
2. Source Classification Code (SCC): 30510202	3. SCC Units: Tons Processed	
4. Maximum Hourly Rate: Approx. 80 tons	5. Maximum Annual Rate: Capped in permit	6. Estimated Annual Activity Factor: NA
7. Maximum % Sulfur: NA	8. Maximum % Ash: NA	9. Million Btu per SCC Unit: NA
10. Segment Comment (limit to 200 characters): NA		

Segment Description and Rate Segment of NA

1. Segment Description (Process/Fuel Type) (limit to 500 characters):		
2. Source Classification Code (SCC):	3. SCC Units:	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters):		

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: PM		2. Pollutant Regulatory Code: EL	
3. Primary Control Device: NA	4. Secondary Control Device: NA	5. Total Percent Efficiency of Control: NA	
6. Potential Emissions 0.336 lbs/hour 0.736 tons/year		7. Synthetically-Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
8. Emission Factor: 0.0021 lb/ton Reference: AP-42 Table 11.12-2		9. Emissions Method Code: 3B	
10. Calculation of Emissions (limit to 600 characters): See the emission calculation spreadsheet in Attachment FOUR.			
11. Pollutant Potential Emissions Comment (limit to 200 characters): This operation is not subject to particulate RACT since the potential emissions are below one ton per year pursuant to Rule 62-296.700(2)(c), F.A.C. and EPC Rule: 1-3.61.			

Allowable Emissions Numerical Emissions Limitation _____ of _____ NA

1. Basis for Numerical Emissions Limitation Code:	2. Future Effective Date of Numerical Emissions Limitation:
3. Numerical Emissions Limitation and Units:	4. Equivalent Allowable Emissions: _____ lbs/hour _____ tons/year
5. Method of Compliance (limit to 60 characters):	
6. Allowable Emissions Comment (Description of Operating Method) (limit to 200 characters):	

E. VISIBLE EMISSIONS INFORMATION
 (Only Emissions Units Subject to a VE Limitation)

Visible Emissions Limitation Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VE05	2. Basis for Limitation: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Opacity Limit Normal Conditions: 5 % Exceptional Conditions: NA % Maximum Period of Excess Opacity Allowed: min/hour	
4. Method of Compliance: EPA Method 9 - Visible Emission Test Method	
5. Visible Emissions Comment (limit to 200 characters): 40 CFR 60 Subpart OOO and EPC visible emission standards.	

F. CONTINUOUS MONITOR INFORMATION
 (Only Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System Continuous Monitor _____ of _____ NA

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	
4. Monitor Manufacturer: _____ Model Number: _____ Serial Number: _____	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200 characters):	

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION
Supplemental Requirements

1. Process Flow Diagram <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
3. Detailed Description of Control Equipment <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Compliance Test Report <input checked="" type="checkbox"/> Attached, Document ID: <u>EIGHT</u> _____ <input type="checkbox"/> Previously submitted, Date: _____ <input type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Supplemental Requirements Comment: NA

EMISSION UNIT
INFORMATION SECTION NO. 024

EXISTING CEMENT STORAGE SILO NO. 2
WITH NEW DUST COLLECTOR

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G, as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

<p>1. Type of Emissions Unit Addressed in this Section (Check one)</p> <p><input checked="" type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.</p>		
<p>2. Description of Emissions Unit Addressed in this Section (limit to 60 characters):</p> <p style="text-align: center;">Sheet Machine No. 4 – Existing Cement Storage Silo No. 2 with Dust Collector</p>		
<p>3. Emissions Unit Identification Number ID: 024</p>		<p><input type="checkbox"/> No ID</p> <p><input type="checkbox"/> ID Unknown</p>
<p>4. Emissions Unit Status Code: A</p>	<p>5. Initial Startup Date: NA</p>	<p>6. Emissions Unit Major Group SIC Code: 32</p>
<p>7. NAICS Code: 327390</p>		
<p>8. Emissions Unit Comment: (Limit to 500 Characters)</p> <p>An existing 500 ton cement storage silo number no. 2. The existing dust collector has been replaced with the existing dust collector from additive storage silo number no. 2 (same model number with the same air flow and gr/dscf).</p>		

Emissions Unit Control Equipment

1. Control Equipment/Method Description (limit to 200 characters per device or method):	
Type of Control:	Baghouse
Manufacturer:	Lakeland Design, Inc.
Model Name and Number:	84-BVTS-64
Design flow rate:	1,000 CFM
See Attachment FIVE for details of the baghouse.	
2. Control Device or Method Code(s) : 018	

Emissions Unit Details

1. Package Unit	
Manufacturer:	NA Model Number: _____
2. Generator Nameplate Rating: MW	
3. Incinerator Information NA	
Dwell Temperature:	°F
Dwell Time:	seconds
Afterburner Temperature:	°F

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate: NA mmBtu/hr	
2. Maximum Incineration Rate: NA lbs/hr NA tons/day	
3. Maximum Process or Throughput Rate: approximately 26 tons per shipment	
4. Maximum Production Rate: NA	
5. Requested Maximum Operating Schedule	
24 hours/day	7 days/week
52 weeks/year	8,760 hours/year
6. Operating Capacity/Schedule Comment (limit to 200 characters): NA	

B. EMISSION POINT (STACK/VENT) INFORMATION

1. Identification of Point on Plot Plan or Flow Diagram: 024		2. Emission Point Type Code: 1
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): NA		
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NA		
5. Discharge Type Code: H	6. Stack Height (feet): NA	7. Exit Diameter (feet): NA
8. Exit Temperature (°F): NA	9. Actual Volumetric Flow Rate (acfm): 1,000 acfm	10. Water Vapor (%): NA
11. Maximum Dry Standard Flow Rate (dscfm): NA		12. Nonstack Emission Point Height (feet): Approximately 80
13. Emission Point UTM Coordinates NA Zone: East (km): North (km):		
14. Emission Point Comment (limit to 200 characters): NA		

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate Segment 1 of 1

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Bulk Materials Storage Bins - Cement		
2. Source Classification Code (SCC): 30510202		3. SCC Units: Tons Processed
4. Maximum Hourly Rate: Approx. 26 tons/shipment	5. Maximum Annual Rate: Capped in permit	6. Estimated Annual Activity Factor: NA
7. Maximum % Sulfur: NA	8. Maximum % Ash: NA	9. Million Btu per SCC Unit: NA
10. Segment Comment (limit to 200 characters): NA		

Segment Description and Rate Segment _____ of _____

1. Segment Description (Process/Fuel Type) (limit to 500 characters):		
2. Source Classification Code (SCC):		3. SCC Units:
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters):		

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: PM		2. Pollutant Regulatory Code: EL	
3. Primary Control Device: 018	4. Secondary Control Device: NA	5. Total Percent Efficiency of Control: 99.98%	
6. Potential Emissions 0.171 lbs/hour 0.751 tons/year		7. Synthetically-Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
8. Emission Factor: 0.02 grain/dscf Reference: Manufacturer's Guarantee from first RACT application		9. Emissions Method Code: 4	
10. Calculation of Emissions (limit to 600 characters): See the emission calculation spreadsheet in Attachment FOUR.			
11. Pollutant Potential Emissions Comment (limit to 200 characters): This small dust collector is not subject to particulate RACT since the potential emissions are below one ton per year pursuant to Rule 62-296.700(2)(c), F.A.C. and EPC Rule: 1-3.61			

Allowable Emissions Numerical Emissions Limitation 1 of 1

1. Basis for Numerical Emissions Limitation Code: Existing permit allowable	2. Future Effective Date of Numerical Emissions Limitation: NA
3. Numerical Emissions Limitation and Units: A visible emission limit of 5%.	4. Equivalent Allowable Emissions: NA lbs/hour NA tons/year
5. Method of Compliance (limit to 60 characters): Visible emissions testing using EPA Method 9.	
6. Allowable Emissions Comment (Description of Operating Method) (limit to 200 characters): NA	

E. VISIBLE EMISSIONS INFORMATION
 (Only Emissions Units Subject to a VE Limitation)

Visible Emissions Limitation Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VE05	2. Basis for Limitation: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Opacity Limit Normal Conditions: 5 % Exceptional Conditions: NA % Maximum Period of Excess Opacity Allowed: NA min/hour	
4. Method of Compliance: EPA Method 9 - Visible Emission Test Method	
5. Visible Emissions Comment (limit to 200 characters): The 5% visible emission standard is requested in order to avoid stack testing pursuant to Rule 62-297.620(4), F.A.C.	

F. CONTINUOUS MONITOR INFORMATION
 (Only Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System Continuous Monitor of NA

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	
4. Monitor Manufacturer: _____ Model Number: _____ Serial Number: _____	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200 characters):	

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Process Flow Diagram <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
3. Detailed Description of Control Equipment <input checked="" type="checkbox"/> Attached, Document ID: <u>FIVE</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Compliance Test Report <input checked="" type="checkbox"/> Attached, Document ID: <u>EIGHT</u> <input type="checkbox"/> Previously submitted, Date: _____ <input type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
7. Operation and Maintenance Plan <input checked="" type="checkbox"/> Attached, Document ID: <u>FIVE</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Supplemental Requirements Comment: NA

EMISSION UNIT
INFORMATION SECTION NO. 025

SAND SILO NO. 3

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G, as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

<p>1. Type of Emissions Unit Addressed in this Section (Check one)</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.</p> <p><input checked="" type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.</p>		
<p>2. Description of Emissions Unit Addressed in this Section (limit to 60 characters):</p> <p style="text-align: center;">Existing Sand Storage Silo No. 3 & Ball Mill No. 3</p>		
<p>3. Emissions Unit Identification Number ID: 025</p>		<p><input type="checkbox"/> No ID</p> <p><input type="checkbox"/> ID Unknown</p>
<p>4. Emissions Unit Status Code: A</p>	<p>5. Initial Startup Date: NA</p>	<p>6. Emissions Unit Major Group SIC Code: 32</p>
<p>7. NAICS Code: 327390</p>		
<p>8. Emissions Unit Comment: (Limit to 500 Characters)</p> <p>For the existing sand silo no. 3: The sand is unloaded into a hopper and transferred to the silo by an enclosed bucket elevator, a gravity diverter to a chute to a covered conveyor. Particulate matter (PM) emissions from the sand silo, bucket elevator and diverter /chute/covered conveyor will be uncontrolled.</p> <p>The construction application was for the removal of the requirement to operate the baghouse and associated pickup points for Sand Silo No.: 3. The silo now operates uncontrolled.</p>		

Emissions Unit Control Equipment

<p>1. Control Equipment/Method Description (limit to 200 characters per device or method):</p> <p>The silo now operates uncontrolled. Note: the external structure of the baghouse may remain in place until it can be removed.</p>
<p>2. Control Device or Method Code(s): NA</p>

Emissions Unit Details

<p>1. Package Unit Manufacturer: <u>NA</u> Model Number: <u>NA</u></p>
<p>2. Generator Nameplate Rating: NA MW</p>
<p>3. Incinerator Information NA</p> <p style="padding-left: 40px;">Dwell Temperature: °F</p> <p style="padding-left: 40px;">Dwell Time: seconds</p> <p style="padding-left: 40px;">Afterburner Temperature: °F</p>

Emissions Unit Operating Capacity and Schedule

<p>1. Maximum Heat Input Rate: <u>NA</u> mmBtu/hr</p>
<p>2. Maximum Incineration Rate: <u>NA</u> lbs/hr <u>NA</u> tons/day</p>
<p>3. Maximum Process or Throughput Rate: approximately 150 tons per hour</p>
<p>4. Maximum Production Rate: NA</p>
<p>5. Requested Maximum Operating Schedule</p> <p style="padding-left: 40px;">24 hours/day 7 days/week</p> <p style="padding-left: 40px;">52 weeks/year 8,760 hours/year</p>
<p>6. Operating Capacity/Schedule Comment (limit to 200 characters): NA</p>

B. EMISSION POINT (STACK/VENT) INFORMATION

1. Identification of Point on Plot Plan or Flow Diagram: 025		2. Emission Point Type Code: 4
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): NA		
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NA		
5. Discharge Type Code: NA	6. Stack Height (feet): NA	7. Exit Diameter (feet): NA
8. Exit Temperature (°F): NA	9. Actual Volumetric Flow Rate (acfm): NA	10. Water Vapor (%): NA
11. Maximum Dry Standard Flow Rate (dscfm): NA		12. Nonstack Emission Point Height (feet): NA
13. Emission Point UTM Coordinates NA Zone: East (km): North (km):		
14. Emission Point Comment (limit to 200 characters): NA		

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate Segment 1 of 1

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Bulk Materials Storage Bins – Sand		
2. Source Classification Code (SCC): 30510202		3. SCC Units: Tons Processed
4. Maximum Hourly Rate: Approx. 150 tons	5. Maximum Annual Rate: Capped in permit	6. Estimated Annual Activity Factor: NA
7. Maximum % Sulfur: NA	8. Maximum % Ash: NA	9. Million Btu per SCC Unit: NA
10. Segment Comment (limit to 200 characters): NA		

Segment Description and Rate Segment _____ of _____ NA

1. Segment Description (Process/Fuel Type) (limit to 500 characters):		
2. Source Classification Code (SCC):		3. SCC Units:
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters):		

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: PM		2. Pollutant Regulatory Code: EL	
3. Primary Control Device: NA	4. Secondary Control Device: NA	5. Total Percent Efficiency of Control: NA	
6. Potential Emissions 0.63 lbs/hour 1.38 tons/year		7. Synthetically-Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
8. Emission Factor: 0.0021 lb/ton Reference: AP-42 Table 11.12-2		9. Emissions Method Code: 3B	
10. Calculation of Emissions (limit to 600 characters): See the emission calculation spreadsheet in Attachment FOUR.			
11. Pollutant Potential Emissions Comment (limit to 200 characters): 40 CFR 60 Subpart OOO and EPC visible emission standards.			

Allowable Emissions Numerical Emissions Limitation _____ of _____ NA

1. Basis for Numerical Emissions Limitation Code:	2. Future Effective Date of Numerical Emissions Limitation:
3. Numerical Emissions Limitation and Units:	4. Equivalent Allowable Emissions: _____ lbs/hour _____ tons/year
5. Method of Compliance (limit to 60 characters):	
6. Allowable Emissions Comment (Description of Operating Method) (limit to 200 characters):	

E. VISIBLE EMISSIONS INFORMATION
 (Only Emissions Units Subject to a VE Limitation)

Visible Emissions Limitation Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VE05	2. Basis for Limitation: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Opacity Limit Normal Conditions: 5 % Exceptional Conditions: NA % Maximum Period of Excess Opacity Allowed: NA min/hour	
4. Method of Compliance: EPA Method 9 - Visible Emission Test Method	
5. Visible Emissions Comment (limit to 200 characters): 40 CFR 60 Subpart OOO and EPC visible emission standards.	

F. CONTINUOUS MONITOR INFORMATION
 (Only Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System Continuous Monitor _____ of _____ NA

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	
4. Monitor Manufacturer: _____ Model Number: _____ Serial Number: _____	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200 characters):	

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Process Flow Diagram <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
3. Detailed Description of Control Equipment <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Compliance Test Report <input checked="" type="checkbox"/> Attached, Document ID: <u>EIGHT</u> _____ <input type="checkbox"/> Previously submitted, Date: _____ <input type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Supplemental Requirements Comment: NA

EMISSION UNIT
INFORMATION SECTION NO. 032

PERLITE ORE SILO

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G₂ as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

<p>1. Type of Emissions Unit Addressed in this Section (Check one)</p> <p><input checked="" type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.</p>		
<p>2. Description of Emissions Unit Addressed in this Section (limit to 60 characters): A 200 Ton Inorganic Mineral (IM)/Perlite Ore Storage Silo</p>		
<p>3. Emissions Unit Identification Number ID: 032</p>		<p><input type="checkbox"/> No ID <input type="checkbox"/> ID Unknown</p>
<p>4. Emissions Unit Status Code: A</p>	<p>5. Initial Startup Date: NA</p>	<p>6. Emissions Unit Major Group SIC Code: 32</p>
<p>7. NAICS Code: 327390</p>		
<p>8. Emissions Unit Comment: (Limit to 500 Characters)</p> <p>For the operation of a 200 ton Inorganic Mineral (IM)/Perlite ore storage silo. Trucks pneumatically unload the IM (perlite) ore to the storage silo. Emission from truck unloading are controlled by a 750 ACFM dust collector located on the top of the silo. The allowable emission rate for the baghouse is 0.03 gr/dscf.</p>		

Emissions Unit Control Equipment

<p>1. Control Equipment/Method Description (limit to 200 characters per device or method):</p> <p>Manufacturer: Adaptive Engineering and Manufacturing Model: BV-64-7-TR Air Flow: 750 ACFM</p> <p>See Attachment FIVE for details of the dust collector.</p>
<p>2. Control Device or Method Code(s): 018</p>

Emissions Unit Details

<p>1. Package Unit Manufacturer: <u>NA</u> Model Number: <u>NA</u></p>
<p>2. Generator Nameplate Rating: NA MW</p>
<p>3. Incinerator Information NA</p> <p style="padding-left: 100px;">Dwell Temperature: °F</p> <p style="padding-left: 100px;">Dwell Time: seconds</p> <p style="padding-left: 100px;">Afterburner Temperature: °F</p>

Emissions Unit Operating Capacity and Schedule

<p>1. Maximum Heat Input Rate: <input checked="" type="checkbox"/> NA mmBtu/hr</p>
<p>2. Maximum Incineration Rate: <u>NA</u> lbs/hr <u>NA</u> tons/day</p>
<p>3. Maximum Process or Throughput Rate: approximately 26 tons per shipment</p>
<p>4. Maximum Production Rate: NA</p>
<p>5. Requested Maximum Operating Schedule</p> <p style="padding-left: 100px;">24 hours/day 7 days/week</p> <p style="padding-left: 100px;">52 weeks/year 8,760 hours/year</p>
<p>6. Operating Capacity/Schedule Comment (limit to 200 characters): NA</p>

B. EMISSION POINT (STACK/VENT) INFORMATION

1. Identification of Point on Plot Plan or Flow Diagram: NA		2. Emission Point Type Code: 1
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): NA		
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NA		
5. Discharge Type Code: H	6. Stack Height (feet): NA	7. Exit Diameter (feet): NA
8. Exit Temperature (°F): NA	9. Actual Volumetric Flow Rate (acfm): 750 acfm	10. Water Vapor (%): NA
11. Maximum Dry Standard Flow Rate (dscfm): NA		12. Nonstack Emission Point Height (feet): approximately 70 to 75
13. Emission Point UTM Coordinates NA Zone: East (km): North (km):		
14. Emission Point Comment (limit to 200 characters): NA		

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate Segment 1 of 1

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Perlite Manufacturing – Other Not Classified		
2. Source Classification Code (SCC): 30501899	3. SCC Units: Tons Processed	
4. Maximum Hourly Rate: Approx. 26 tons/shipment	5. Maximum Annual Rate: 26,280 tpy *	6. Estimated Annual Activity Factor: NA
7. Maximum % Sulfur: NA	8. Maximum % Ash: NA	9. Million Btu per SCC Unit: NA
10. Segment Comment (limit to 200 characters): * maximum rate is set by the two furnaces operating at 3 tph x 8,760 hr/yr = 26,280 tpy		

Segment Description and Rate Segment _____ of _____ NA

1. Segment Description (Process/Fuel Type) (limit to 500 characters): _____		
2. Source Classification Code (SCC):	3. SCC Units:	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters): _____		

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: PM		2. Pollutant Regulatory Code: EL	
3. Primary Control Device: 018	4. Secondary Control Device: NA	5. Total Percent Efficiency of Control: 99+%	
6. Potential Emissions 0.193 lbs/hour 0.845 tons/year		7. Synthetically-Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
8. Emission Factor: 03 grain/dscf Reference: Based on the particulate RACT allowable rate		9. Emissions Method Code: 4	
10. Calculation of Emissions (limit to 600 characters): See the emission calculation spreadsheet in Attachment FOUR.			
11. Pollutant Potential Emissions Comment (limit to 200 characters): This small dust collector is not subject to particulate RACT since the potential emissions are below one ton per year pursuant to Rule 62-296.700(2)(c), F.A.C. and EPC Rule: 1-3.61.			

Allowable Emissions Numerical Emissions Limitation 1 of 1

1. Basis for Numerical Emissions Limitation Code: ESCRACT	2. Future Effective Date of Numerical Emissions Limitation:
3. Numerical Emissions Limitation and Units: A visible emission limit of 5%.	4. Equivalent Allowable Emissions: NA lbs/hour NA tons/year
5. Method of Compliance (limit to 60 characters): Visible emissions testing using EPA Method 9.	
6. Allowable Emissions Comment (Description of Operating Method) (limit to 200 characters): NA	

E. VISIBLE EMISSIONS INFORMATION
 (Only Emissions Units Subject to a VE Limitation)

Visible Emissions Limitation Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VE05	2. Basis for Limitation: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Opacity Limit Normal Conditions: 5 % Exceptional Conditions: NA % Maximum Period of Excess Opacity Allowed: NA min/hour	
4. Method of Compliance: EPA Method 9 – Visible Emission Test Method	
5. Visible Emissions Comment (limit to 200 characters): The 5% visible emission standard is requested in order to avoid stack testing pursuant to Rule 62-297.620(4), F.A.C.	

F. CONTINUOUS MONITOR INFORMATION
 (Only Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System Continuous Monitor _____ of _____ NA

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	
4. Monitor Manufacturer: _____ Model Number: _____ Serial Number: _____	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200 characters):	

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Process Flow Diagram <input checked="" type="checkbox"/> Attached, Document ID: <u>THREE</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
3. Detailed Description of Control Equipment <input checked="" type="checkbox"/> Attached, Document ID: <u>FIVE</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Compliance Test Report <input checked="" type="checkbox"/> Attached, Document ID: <u>EIGHT</u> <input type="checkbox"/> Previously submitted, Date: _____ <input type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
7. Operation and Maintenance Plan <input checked="" type="checkbox"/> Attached, Document ID: <u>FIVE</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Supplemental Requirements Comment: NA

EMISSION UNIT
INFORMATION SECTION NO. 033

INORGANIC MINERAL PROCESSING (IMP) PLANT
(aka PERLITE PLANT) FURNACE LINE NO. 1

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G, as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

<p>1. Type of Emissions Unit Addressed in this Section (Check one)</p> <p><input checked="" type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.</p>		
<p>2. Description of Emissions Unit Addressed in this Section (limit to 60 characters): Inorganic Mineral Processing (IMP) Plant (aka Perlite Plant) Furnace Line No. 1</p>		
<p>3. Emissions Unit Identification Number ID: 033</p>		<p><input type="checkbox"/> No ID <input type="checkbox"/> ID Unknown</p>
<p>4. Emissions Unit Status Code: A</p>	<p>5. Initial Startup Date: NA</p>	<p>6. Emissions Unit Major Group SIC Code: 32</p>
<p>7. NAICS Code: 327390</p>		
<p>8. Emissions Unit Comment: (Limit to 500 Characters) For the operation of an Inorganic Mineral Processing (IMP) Plant (aka Perlite Plant) Line 1 which consisting of: a enclosed preheater feed conveyor → preheater (electric) → bucket elevator → discharge chute → furnace hopper & feeder → furnace (electric) → cooling duct → a common 200 ton product silo → to a product dense phase conveyor → to the day bin for Sheet Machine 4 and possibly one or more existing sheet machines The cooling duct is equipped with a diverter valve which would allow material to be transferred to a small R&D storage silo.</p> <p>All of the operations have pickup points and are vented to a 7,500 ACFM baghouse equipped with broken bag detector.</p> <p>The furnace is subject to 40 CFR 60 Subpart UUU and the baghouse is subject to particulate RACT. The allowable emission rate for the baghouse is 0.02 gr/dscf.</p>		

Emissions Unit Control Equipment

1. **Control Equipment/Method Description** (limit to 200 characters per device or method):

Manufacturer: Adaptive Engineering and Manufacturing
 Model: DCT-81x15
 Air Flow: 7,500 ACFM

See Attachment FIVE for details of the baghouse.

2. **Control Device or Method Code(s)**: 018

Emissions Unit Details

1. **Package Unit**
 Manufacturer: NA Model Number: NA

2. **Generator Nameplate Rating**: NA MW

3. **Incinerator Information** NA

Dwell Temperature: °F
 Dwell Time: seconds
 Afterburner Temperature: °F

Emissions Unit Operating Capacity and Schedule

1. **Maximum Heat Input Rate**: NA mmBtu/hr

2. **Maximum Incineration Rate**: NA lbs/hr NA tons/day

3. **Maximum Process or Throughput Rate**: approximately 1.5 tons per hour

4. **Maximum Production Rate**: NA

5. **Requested Maximum Operating Schedule**

24 hours/day 7 days/week
 52 weeks/year 8,760 hours/year

6. **Operating Capacity/Schedule Comment** (limit to 200 characters): NA

B. EMISSION POINT (STACK/VENT) INFORMATION

1. Identification of Point on Plot Plan or Flow Diagram: NA		2. Emission Point Type Code: 1
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): NA		
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NA		
5. Discharge Type Code: H	6. Stack Height (feet): Approx. 12.5	7. Exit Diameter (feet): 18 inches
8. Exit Temperature (°F): 120	9. Actual Volumetric Flow Rate (acfm): 7,500	10. Water Vapor (%): NA
11. Maximum Dry Standard Flow Rate (dscfm): NA		12. Nonstack Emission Point Height (feet): NA
13. Emission Point UTM Coordinates NA Zone: East (km): North (km):		
14. Emission Point Comment (limit to 200 characters): NA		

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate Segment 1 of 1

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Perlite Manufacturing – Other Not Classified		
2. Source Classification Code (SCC): 30501801	3. SCC Units: Tons Charged	
4. Maximum Hourly Rate: Approx. 1.5 tons/hr	5. Maximum Annual Rate: 13,140 tpy	6. Estimated Annual Activity Factor: NA
7. Maximum % Sulfur: NA	8. Maximum % Ash: NA	9. Million Btu per SCC Unit: NA
10. Segment Comment (limit to 200 characters): NA		

Segment Description and Rate Segment _____ of _____ NA

1. Segment Description (Process/Fuel Type) (limit to 500 characters):		
2. Source Classification Code (SCC):	3. SCC Units:	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters):		

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: PM		2. Pollutant Regulatory Code: EL	
3. Primary Control Device: 018	4. Secondary Control Device: NA	5. Total Percent Efficiency of Control: 99+%	
6. Potential Emissions _____ 1.286 _____ lbs/hour _____ 5.631 _____ tons/year		7. Synthetically-Limited? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
8. Emission Factor: .02 grain/dscf Reference: Based on the allowable permitted rate of 0.02 gr/dscf		9. Emissions Method Code: 4	
1. 10. Calculation of Emissions (limit to 600 characters): See the emission calculation spreadsheet in Attachment FOUR.			
11. Pollutant Potential Emissions Comment (limit to 200 characters): The furnace is subject to 40 CFR 60 Subpart UUU and the baghouse is subject to particulate RACT. The allowable emission rate for the baghouse is 0.02 gr/dscf.			

Allowable Emissions Numerical Emissions Limitation 1 of 1

1. Basis for Numerical Emissions Limitation Code: ESCTV	2. Future Effective Date of Numerical Emissions Limitation: upon startup
3. Numerical Emissions Limitation and Units: A visible emission limit of 5%.	4. Equivalent Allowable Emissions: _____ 1.286 _____ lbs/hour _____ 5.631 _____ tons/year
5. Method of Compliance (limit to 60 characters): Annual visible emissions testing using EPA Method 9. No additional stack testing.	
6. Allowable Emissions Comment (Description of Operating Method) (limit to 200 characters): The 5% visible emission standard is requested in order to avoid stack testing pursuant to Rule 62-297.620(4), F.A.C.	

E. VISIBLE EMISSIONS INFORMATION

(Only Emissions Units Subject to a VE Limitation)

Visible Emissions Limitation Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VE05	2. Basis for Limitation: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Opacity Limit Normal Conditions: 5 % Exceptional Conditions: NA % Maximum Period of Excess Opacity Allowed: NA min/hour	
4. Method of Compliance: EPA Method 9 – Visible Emission Test Method	
5. Visible Emissions Comment (limit to 200 characters): The 5% visible emission standard is requested in order to avoid stack testing pursuant to Rule 62-297.620(4), F.A.C.	

F. CONTINUOUS MONITOR INFORMATION

(Only Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System Continuous Monitor of NA

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	
4. Monitor Manufacturer: _____ Model Number: _____ Serial Number: _____	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200 characters): 	

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Process Flow Diagram <input checked="" type="checkbox"/> Attached, Document ID: <u>THREE</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
3. Detailed Description of Control Equipment <input checked="" type="checkbox"/> Attached, Document ID: <u>FIVE</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Compliance Test Report <input checked="" type="checkbox"/> Attached, Document ID: <u>EIGHT</u> <input type="checkbox"/> Previously submitted, Date: _____ <input type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
7. Operation and Maintenance Plan <input checked="" type="checkbox"/> Attached, Document ID: <u>FIVE</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Supplemental Requirements Comment: NA

EMISSION UNIT
INFORMATION SECTION NO. 034

INORGANIC MINERAL PROCESSING (IMP) PLANT
(aka PERLITE PLANT) FURNACE LINE NO. 2

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G, as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

<p>1. Type of Emissions Unit Addressed in this Section (Check one)</p> <p><input checked="" type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.</p>		
<p>2. Description of Emissions Unit Addressed in this Section (limit to 60 characters): Inorganic Mineral Processing (IMP) Plant (aka Perlite Plant) Furnace Line No. 2</p>		
<p>3. Emissions Unit Identification Number ID: 034</p>		<p><input type="checkbox"/> No ID <input type="checkbox"/> ID Unknown</p>
<p>4. Emissions Unit Status Code: A</p>	<p>5. Initial Startup Date: NA</p>	<p>6. Emissions Unit Major Group SIC Code: 32</p>
<p>7. NAICS Code: 327390</p>		
<p>8. Emissions Unit Comment: (Limit to 500 Characters) For the operation of an Inorganic Mineral Processing (IMP) Plant (aka Perlite Plant) Line 2 which consisting of: a enclosed preheater feed conveyor → preheater (electric) → bucket elevator → discharge chute → furnace hopper & feeder → furnace (electric) → cooling duct → a common 200 ton product silo → to a product dense phase conveyor → to the day bin for Sheet Machine 4 and possibly one or more existing sheet machines The cooling duct is equipped with a diverter valve which would allow material to be transferred to a small R&D storage silo.</p> <p>All of the operations have pickup points and are vented to a 7,500 ACFM baghouse equipped with broken bag detector.</p> <p>The furnace is subject to 40 CFR 60 Subpart UUU and the baghouse is subject to particulate RACT. The allowable emission rate for the baghouse is 0.02 gr/dscf.</p>		

Emissions Unit Control Equipment

<p>1. Control Equipment/Method Description (limit to 200 characters per device or method):</p> <p>Manufacturer: Adaptive Engineering and Manufacturing Model: DCT-81x15 Air Flow: 7,500 ACFM</p> <p>See Attachment FIVE for details of the baghouse.</p>
<p>2. Control Device or Method Code(s): 018</p>

Emissions Unit Details

<p>1. Package Unit Manufacturer: <u>NA</u> Model Number: <u>NA</u></p>
<p>2. Generator Nameplate Rating: <u>NA</u> MW</p>
<p>3. Incinerator Information <u>NA</u></p> <p style="padding-left: 40px;">Dwell Temperature: °F</p> <p style="padding-left: 40px;">Dwell Time: seconds</p> <p style="padding-left: 40px;">Afterburner Temperature: °F</p>

Emissions Unit Operating Capacity and Schedule

<p>1. Maximum Heat Input Rate: <u>NA</u> mmBtu/hr</p>
<p>2. Maximum Incineration Rate: <u>NA</u> lbs/hr <u>NA</u> tons/day</p>
<p>3. Maximum Process or Throughput Rate: approximately 1.5 tons per hour</p>
<p>4. Maximum Production Rate: <u>NA</u></p>
<p>5. Requested Maximum Operating Schedule</p> <p style="padding-left: 40px;">24 hours/day 7 days/week</p> <p style="padding-left: 40px;">52 weeks/year 8,760 hours/year</p>
<p>6. Operating Capacity/Schedule Comment (limit to 200 characters): <u>NA</u></p>

B. EMISSION POINT (STACK/VENT) INFORMATION

1. Identification of Point on Plot Plan or Flow Diagram: NA		2. Emission Point Type Code: 1
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): NA		
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NA		
5. Discharge Type Code: H	6. Stack Height (feet): Approx. 12.5	7. Exit Diameter (feet): 18 inches
8. Exit Temperature (°F): 120	9. Actual Volumetric Flow Rate (acfm): 7,500	10. Water Vapor (%): NA
11. Maximum Dry Standard Flow Rate (dscfm): NA		12. Nonstack Emission Point Height (feet): NA
13. Emission Point UTM Coordinates NA Zone: East (km): North (km):		
14. Emission Point Comment (limit to 200 characters): NA		

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate Segment 1 of 1

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Perlite Manufacturing – Other Not Classified		
2. Source Classification Code (SCC): 30501801		3. SCC Units: Tons Charged
4. Maximum Hourly Rate: Approx. 1.5 tons/hr	5. Maximum Annual Rate: 13,140 tpy	6. Estimated Annual Activity Factor: NA
7. Maximum % Sulfur: NA	8. Maximum % Ash: NA	9. Million Btu per SCC Unit: NA
10. Segment Comment (limit to 200 characters): NA		

Segment Description and Rate Segment _____ of _____ NA

1. Segment Description (Process/Fuel Type) (limit to 500 characters):		
2. Source Classification Code (SCC):		3. SCC Units:
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters):		

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: PM		2. Pollutant Regulatory Code: EL	
3. Primary Control Device: 018	4. Secondary Control Device: NA	5. Total Percent Efficiency of Control: 99+%	
6. Potential Emissions _____ 1.286 _____ lbs/hour _____ 5.631 _____ tons/year		7. Synthetically-Limited? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
8. Emission Factor: .02 grain/dscf Reference: Based on the allowable permitted rate of 0.02 gr/dscf		9. Emissions Method Code: 4	
2. 10. Calculation of Emissions (limit to 600 characters): See the emission calculation spreadsheet in Attachment FOUR.			
11. Pollutant Potential Emissions Comment (limit to 200 characters): The furnace is subject to 40 CFR 60 Subpart UUU and the baghouse is subject to particulate RACT. The allowable emission rate for the baghouse is 0.02 gr/dscf.			

Allowable Emissions Numerical Emissions Limitation 1 of 1

1. Basis for Numerical Emissions Limitation Code: ESCTV	2. Future Effective Date of Numerical Emissions Limitation: NA
3. Numerical Emissions Limitation and Units: A visible emission limit of 5%.	4. Equivalent Allowable Emissions: _____ 1.286 _____ lbs/hour _____ 5.631 _____ tons/year
5. Method of Compliance (limit to 60 characters): Annual visible emissions testing using EPA Method 9. No additional stack testing.	
6. Allowable Emissions Comment (Description of Operating Method) (limit to 200 characters): The 5% visible emission standard is requested in order to avoid stack testing pursuant to Rule 62-297.620(4), F.A.C.	

E. VISIBLE EMISSIONS INFORMATION
 (Only Emissions Units Subject to a VE Limitation)

Visible Emissions Limitation Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VE05	2. Basis for Limitation: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Opacity Limit Normal Conditions: 5 % Exceptional Conditions: NA % Maximum Period of Excess Opacity Allowed: NA min/hour	
4. Method of Compliance: EPA Method 9 – Visible Emission Test Method	
5. Visible Emissions Comment (limit to 200 characters): The 5% visible emission standard is requested in order to avoid stack testing pursuant to Rule 62-297.620(4), F.A.C.	

F. CONTINUOUS MONITOR INFORMATION
 (Only Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System Continuous Monitor _____ of _____ NA

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	
4. Monitor Manufacturer: _____ Model Number: _____ Serial Number: _____	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200 characters):	

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Process Flow Diagram <input checked="" type="checkbox"/> Attached, Document ID: <u>THREE</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
3. Detailed Description of Control Equipment <input checked="" type="checkbox"/> Attached, Document ID: <u>FIVE</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Compliance Test Report <input checked="" type="checkbox"/> Attached, Document ID: <u>EIGHT</u> <input type="checkbox"/> Previously submitted, Date: _____ <input type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
7. Operation and Maintenance Plan <input checked="" type="checkbox"/> Attached, Document ID: <u>FIVE</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Supplemental Requirements Comment: NA

EMISSION UNIT
INFORMATION SECTION NO. 035

FINISHING (TRIM EDGE AND SURFACE
SMOOTHING)

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G, as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

<p>1. Type of Emissions Unit Addressed in this Section (Check one)</p> <p><input checked="" type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.</p>		
<p>2. Description of Emissions Unit Addressed in this Section (limit to 60 characters): Finishing Line – Four Trim Edge Sanders (aka Trim Edge Smoothing) and one Trim Surface Sander (aka Trim Surface Smoothing)</p>		
<p>3. Emissions Unit Identification Number ID: 035</p>		<p><input type="checkbox"/> No ID <input type="checkbox"/> ID Unknown</p>
<p>4. Emissions Unit Status Code: A</p>	<p>5. Initial Startup Date: NA</p>	<p>6. Emissions Unit Major Group SIC Code: 32</p>
<p>7. NAICS Code: 327390</p>		
<p>8. Emissions Unit Comment: (Limit to 500 Characters)</p> <p>For the operation of four Trim Edge Sanders (aka Trim Edge Smoothing) and one Trim Surface Sander (aka Trim Surface Smoothing) on Sheet Machine No. 4 Finishing Line. All sanding operations have pickup points and are vented to a common duct. This common duct is then split into two ducts and each duct is vented to a 50,000 ACFM baghouse equipped with broken bag detector. The baghouses are vented to a common stack (total 100,000 ACFM). See flow diagram for more detail. The baghouses are subject to particulate RACT. The allowable emission rate for each baghouse is 0.015 gr/dscf.</p> <p>Note: The trim sanding (smoothing operation) can be bypassed for normal sheet/panel products.</p>		

B. EMISSION POINT (STACK/VENT) INFORMATION

1. Identification of Point on Plot Plan or Flow Diagram: NA		2. Emission Point Type Code: 1
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): NA		
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NA		
5. Discharge Type Code: V	6. Stack Height (feet): 40	7. Exit Diameter (feet): 68 inches
8. Exit Temperature (°F): ambient	9. Actual Volumetric Flow Rate (acfm): 100,000 acfm (Total for 2 baghouses)	10. Water Vapor (%): NA
11. Maximum Dry Standard Flow Rate (dscfm): NA		12. Nonstack Emission Point Height (feet): NA
13. Emission Point UTM Coordinates NA Zone: East (km): North (km):		
14. Emission Point Comment (limit to 200 characters): NA		

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate Segment 1 of 1

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Miscellaneous Industrial Processes – Other Not Classified – See Comment*		
2. Source Classification Code (SCC): 39999999		3. SCC Units: *million square feet
4. Maximum Hourly Rate: 0.0252	5. Maximum Annual Rate: 220.0	6. Estimated Annual Activity Factor: NA
7. Maximum % Sulfur: NA	8. Maximum % Ash: NA	9. Million Btu per SCC Unit: NA
10. Segment Comment (limit to 200 characters): NA		

Segment Description and Rate Segment _____ of _____ NA

1. Segment Description (Process/Fuel Type) (limit to 500 characters):		
2. Source Classification Code (SCC):		3. SCC Units:
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters):		

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: PM		2. Pollutant Regulatory Code: EL	
3. Primary Control Device: 018	4. Secondary Control Device: NA	5. Total Percent Efficiency of Control: 99+%	
6. Potential Emissions 12.86 lbs/hour 56.31 tons/year		7. Synthetically-Limited? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
8. Emission Factor: .015 grain/dscf Reference: Based on the permitted rate of 0.015 gr/dscf		9. Emissions Method Code: 4	
10. Calculation of Emissions (limit to 600 characters): See the emission calculation spreadsheet in Attachment FOUR.			
11. Pollutant Potential Emissions Comment (limit to 200 characters): The baghouses are subject to particulate RACT. The requested allowable emission rate for each baghouse is 0.015 gr/dscf.			

Allowable Emissions Numerical Emissions Limitation _____ of _____

1. Basis for Numerical Emissions Limitation Code: ESCTV	2. Future Effective Date of Numerical Emissions Limitation: NA
3. Numerical Emissions Limitation and Units: A visible emission limit of 5%.	4. Equivalent Allowable Emissions: 12.86 lbs/hour 56.31 tons/year
5. Method of Compliance (limit to 60 characters): Annual visible emissions testing using EPA Method 9. No additional stack testing.	
6. Allowable Emissions Comment (Description of Operating Method) (limit to 200 characters): The 5% visible emission standard is requested in order to avoid stack testing pursuant to Rule 62-297.620(4), F.A.C.	

E. VISIBLE EMISSIONS INFORMATION
 (Only Emissions Units Subject to a VE Limitation)

Visible Emissions Limitation Visible Emissions Limitation _____ of _____

1. Visible Emissions Subtype: VE05	2. Basis for Limitation: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Opacity Limit Normal Conditions: 5 % Exceptional Conditions: NA % Maximum Period of Excess Opacity Allowed: NA min/hour	
4. Method of Compliance: EPA Method 9 – Visible Emission Test Method	
5. Visible Emissions Comment (limit to 200 characters): The 5% visible emission standard is requested in order to avoid stack testing pursuant to Rule 62-297.620(4), F.A.C.	

F. CONTINUOUS MONITOR INFORMATION
 (Only Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System Continuous Monitor _____ of _____ : NA

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	
4. Monitor Manufacturer: _____ Model Number: _____ Serial Number: _____	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200 characters):	

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Process Flow Diagram <input checked="" type="checkbox"/> Attached, Document ID: <u>THREE</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
3. Detailed Description of Control Equipment <input checked="" type="checkbox"/> Attached, Document ID: <u>FIVE</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Compliance Test Report <input checked="" type="checkbox"/> Attached, Document ID: <u>EIGHT</u> <input type="checkbox"/> Previously submitted, Date: _____ <input type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
7. Operation and Maintenance Plan <input checked="" type="checkbox"/> Attached, Document ID: <u>FIVE</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Supplemental Requirements Comment: NA

EMISSION UNIT
INFORMATION SECTION NO. 037

SAND SILO NO. 4

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G, as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

<p>1. Type of Emissions Unit Addressed in this Section (Check one)</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.</p> <p><input checked="" type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.</p>		
<p>2. Description of Emissions Unit Addressed in this Section (limit to 60 characters):</p> <p style="text-align: center;">Sand Storage Silo No. 4 and New Ball Mill No. 4</p>		
<p>3. Emissions Unit Identification Number ID: 037</p>		<p><input type="checkbox"/> No ID</p> <p><input type="checkbox"/> ID Unknown</p>
<p>4. Emissions Unit Status Code: A</p>	<p>5. Initial Startup Date: NA</p>	<p>6. Emissions Unit Major Group SIC Code: 32</p>
<p>7. NAICS Code: 327390</p>		
<p>8. Emissions Unit Comment: (Limit to 500 Characters)</p> <p>For the operation of a 450 ton sand storage silo and associated material handling equipment and a fourth ball mill. Although the ball mill is exempt from the requirements of 40 CFR 60 Subpart 000 due to its age (constructed in the late 50s early 60s and not reconstructed), it is EPC's position that the storage silo and material handling equipment are subject to Subpart 000. The operations consist of: a gravity diverter and chute from bucket elevator feeding an enclosed conveyor to the new sand silo no. 4 (uncontrolled), a covered conveyor from sand silo no. 4 to ball mill no. 4. In the ball mill, water is added. All operations after the mills are in liquid state and are not subject to Subpart 000.</p>		

Emissions Unit Control Equipment

<p>1. Control Equipment/Method Description (limit to 200 characters per device or method): Silo is uncontrolled.</p>
<p>2. Control Device or Method Code(s): NA</p>

Emissions Unit Details

<p>1. Package Unit Manufacturer: <u>NA</u> Model Number: <u>NA</u></p>
<p>2. Generator Nameplate Rating: NA MW</p>
<p>3. Incinerator Information NA Dwell Temperature: °F Dwell Time: seconds Afterburner Temperature: °F</p>

Emissions Unit Operating Capacity and Schedule

<p>1. Maximum Heat Input Rate: <u>NA</u> mmBtu/hr</p>
<p>2. Maximum Incineration Rate: <u>NA</u> lbs/hr <u>NA</u> tons/day</p>
<p>3. Maximum Process or Throughput Rate: approximately 150 tons per hour</p>
<p>4. Maximum Production Rate: NA</p>
<p>5. Requested Maximum Operating Schedule 24 hours/day 7 days/week 52 weeks/year 8,760 hours/year</p>
<p>6. Operating Capacity/Schedule Comment (limit to 200 characters): NA</p>

B. EMISSION POINT (STACK/VENT) INFORMATION

1. Identification of Point on Plot Plan or Flow Diagram: NA		2. Emission Point Type Code: 4
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): NA		
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NA		
5. Discharge Type Code: NA	6. Stack Height (feet): NA	7. Exit Diameter (feet): NA
8. Exit Temperature (°F): NA	9. Actual Volumetric Flow Rate (acfm): NA	10. Water Vapor (%): NA
11. Maximum Dry Standard Flow Rate (dscfm): NA		12. Nonstack Emission Point Height (feet): NA
13. Emission Point UTM Coordinates NA Zone: East (km): North (km):		
14. Emission Point Comment (limit to 200 characters): NA		

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate Segment 1 of 1

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Bulk Materials Storage Bins – Sand		
2. Source Classification Code (SCC): 30510202	3. SCC Units: Tons Processed	
4. Maximum Hourly Rate: Approx. 150 tons	5. Maximum Annual Rate: Capped in permit	6. Estimated Annual Activity Factor: NA
7. Maximum % Sulfur: NA	8. Maximum % Ash: NA	9. Million Btu per SCC Unit: NA
10. Segment Comment (limit to 200 characters): NA		

Segment Description and Rate Segment _____ of _____ NA

1. Segment Description (Process/Fuel Type) (limit to 500 characters):		
2. Source Classification Code (SCC):	3. SCC Units:	
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters):		

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: PM		2. Pollutant Regulatory Code: EL	
3. Primary Control Device: NA	4. Secondary Control Device: NA	5. Total Percent Efficiency of Control: NA	
6. Potential Emissions 0.63 lbs/hour 1.38 tons/year		7. Synthetically-Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
8. Emission Factor: 0.0021 lb/ton Reference: AP-42 Table 11.12-2		9. Emissions Method Code: 3B	
10. Calculation of Emissions (limit to 600 characters): See the emission calculation spreadsheet in Attachment FOUR.			
11. Pollutant Potential Emissions Comment (limit to 200 characters): 40 CFR 60 Subpart OOO and EPC visible emission standards.			

Allowable Emissions Numerical Emissions Limitation _____ of _____ NA

1. Basis for Numerical Emissions Limitation Code:	2. Future Effective Date of Numerical Emissions Limitation:
3. Numerical Emissions Limitation and Units:	4. Equivalent Allowable Emissions: _____ lbs/hour _____ tons/year
5. Method of Compliance (limit to 60 characters):	
6. Allowable Emissions Comment (Description of Operating Method) (limit to 200 characters):	

E. VISIBLE EMISSIONS INFORMATION
 (Only Emissions Units Subject to a VE Limitation)

Visible Emissions Limitation Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VE05	2. Basis for Limitation: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Opacity Limit Normal Conditions: 5% Exceptional Conditions: NA % Maximum Period of Excess Opacity Allowed: NA min/hour	
4. Method of Compliance: EPA Method 9 - Visible Emission Test Method	
5. Visible Emissions Comment (limit to 200 characters): 40 CFR 60 Subpart OOO and EPC visible emission standards	

F. CONTINUOUS MONITOR INFORMATION
 (Only Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System Continuous Monitor _____ of _____ NA

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	
4. Monitor Manufacturer: _____ Model Number: _____ Serial Number: _____	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200 characters):	

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Process Flow Diagram <input checked="" type="checkbox"/> Attached, Document ID: <u>THREE</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
3. Detailed Description of Control Equipment <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Compliance Test Report <input checked="" type="checkbox"/> Attached, Document ID: <u>EIGHT</u> <input type="checkbox"/> Previously submitted, Date: _____ <input type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Supplemental Requirements Comment: NA

EMISSION UNIT
INFORMATION SECTION NO. 038

INTERMEDIATE ADDITIVE SILO

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G, as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

Emissions Unit Description and Status

<p>1. Type of Emissions Unit Addressed in this Section (Check one)</p> <p><input checked="" type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.</p> <p><input type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.</p>		
<p>2. Description of Emissions Unit Addressed in this Section (limit to 60 characters): Intermediate Additive Silo with Dust Collector</p>		
<p>3. Emissions Unit Identification Number ID: 038</p>		<p><input type="checkbox"/> No ID <input type="checkbox"/> ID Unknown</p>
<p>4. Emissions Unit Status Code: A</p>	<p>5. Initial Startup Date: NA</p>	<p>6. Emissions Unit Major Group SIC Code: 32</p>
<p>7. NAICS Code: 327390</p>		
<p>8. Emissions Unit Comment: (Limit to 500 Characters)</p> <p>For the operation of a Intermediate Additive Silo. It receives additive from existing Additive Silo No. 1 (EU 003) pneumatically. It will supply additive to all four sheet machines. The emissions are controlled by a small 160 ACFM dust collector that is exempt from PM RACT.</p> <p>The allowable emission rate for the baghouse is 0.03 gr/dscf.</p>		

Emissions Unit Control Equipment

<p>1. Control Equipment/Method Description (limit to 200 characters per device or method):</p> <p>Manufacturer: Adaptive Engineering and Manufacturing Model: BV-16-12.5 Air Flow: 160 ACFM</p> <p>See Attachment FIVE for details of the dust collector.</p>
<p>2. Control Device or Method Code(s): 018</p>

Emissions Unit Details

<p>1. Package Unit Manufacturer: <u>NA</u> Model Number: <u>NA</u></p>						
<p>2. Generator Nameplate Rating: <u>NA</u> MW</p>						
<p>3. Incinerator Information <u>NA</u></p> <table style="width: 100%; border: none;"> <tr> <td style="width: 60%;">Dwell Temperature:</td> <td style="width: 40%; text-align: right;">°F</td> </tr> <tr> <td>Dwell Time:</td> <td style="text-align: right;">seconds</td> </tr> <tr> <td>Afterburner Temperature:</td> <td style="text-align: right;">°F</td> </tr> </table>	Dwell Temperature:	°F	Dwell Time:	seconds	Afterburner Temperature:	°F
Dwell Temperature:	°F					
Dwell Time:	seconds					
Afterburner Temperature:	°F					

Emissions Unit Operating Capacity and Schedule

<p>1. Maximum Heat Input Rate: <u>NA</u> mmBtu/hr</p>				
<p>2. Maximum Incineration Rate: <u>NA</u> lbs/hr <u>NA</u> tons/day</p>				
<p>3. Maximum Process or Throughput Rate: approximately 4 tons/hr</p>				
<p>4. Maximum Production Rate: <u>NA</u></p>				
<p>5. Requested Maximum Operating Schedule</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 60%; text-align: center;">24 hours/day</td> <td style="width: 40%; text-align: center;">7 days/week</td> </tr> <tr> <td style="text-align: center;">52 weeks/year</td> <td style="text-align: center;">8,760 hours/year</td> </tr> </table>	24 hours/day	7 days/week	52 weeks/year	8,760 hours/year
24 hours/day	7 days/week			
52 weeks/year	8,760 hours/year			
<p>6. Operating Capacity/Schedule Comment (limit to 200 characters): <u>NA</u></p>				

B. EMISSION POINT (STACK/VENT) INFORMATION

1. Identification of Point on Plot Plan or Flow Diagram: NA		2. Emission Point Type Code: 1
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): NA		
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NA		
5. Discharge Type Code: H	6. Stack Height (feet): NA	7. Exit Diameter (feet): NA
8. Exit Temperature (°F): NA	9. Actual Volumetric Flow Rate (acfm): 160	10. Water Vapor (%): NA
11. Maximum Dry Standard Flow Rate (dscfm): NA		12. Nonstack Emission Point Height (feet): approximately 70 feet
13. Emission Point UTM Coordinates NA Zone: East (km): North (km):		
14. Emission Point Comment (limit to 200 characters): NA		

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate Segment 1 of 1

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Bulk Materials Storage Bins - Additive		
2. Source Classification Code (SCC): 30510202		3. SCC Units: Tons Processed
4. Maximum Hourly Rate: Approx. 4 tons/hr	5. Maximum Annual Rate: Capped in permit	6. Estimated Annual Activity Factor: NA
7. Maximum % Sulfur: NA	8. Maximum % Ash: NA	9. Million Btu per SCC Unit: NA
10. Segment Comment (limit to 200 characters): NA		

Segment Description and Rate Segment _____ of _____ NA

1. Segment Description (Process/Fuel Type) (limit to 500 characters):		
2. Source Classification Code (SCC):		3. SCC Units:
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters):		

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: PM		2. Pollutant Regulatory Code: EL	
3. Primary Control Device: 018	4. Secondary Control Device: NA	5. Total Percent Efficiency of Control: 99+%	
6. Potential Emissions 0.04 lbs/hour 0.18 tons/year		7. Synthetically-Limited? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
8. Emission Factor: .03 grain/dscf Reference: Based on the particulate RACT allowable rate		9. Emissions Method Code: 4	
10. Calculation of Emissions (limit to 600 characters): See the emission calculation spreadsheet in Attachment FOUR.			
11. Pollutant Potential Emissions Comment (limit to 200 characters): This small dust collector is not subject to particulate RACT since the potential emissions are below one ton per year pursuant to Rule 62-296.700(2)(c), F.A.C. and EPC Rule: 1-3.61.			

Allowable Emissions Numerical Emissions Limitation 1 of 1

1. Basis for Numerical Emissions Limitation Code: ESCRACT	2. Future Effective Date of Numerical Emissions Limitation: NA
3. Numerical Emissions Limitation and Units: A visible emission limit of 5%.	4. Equivalent Allowable Emissions: ____ lbs/hour ____ tons/year
5. Method of Compliance (limit to 60 characters): Visible emissions testing using EPA Method 9.	
6. Allowable Emissions Comment (Description of Operating Method) (limit to 200 characters): The 5% visible emission standard is requested in order to avoid stack testing pursuant to Rule 62-297.620(4), F.A.C.	

E. VISIBLE EMISSIONS INFORMATION

(Only Emissions Units Subject to a VE Limitation)

Visible Emissions Limitation Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VE05	2. Basis for Limitation: <input checked="" type="checkbox"/> Rule <input type="checkbox"/> Other
3. Opacity Limit Normal Conditions: 5 % Exceptional Conditions: NA % Maximum Period of Excess Opacity Allowed: NA min/hour	
4. Method of Compliance: EPA Method 9 – Visible Emission Test Method	
5. Visible Emissions Comment (limit to 200 characters): The 5% visible emission standard is requested in order to avoid stack testing pursuant to Rule 62-297.620(4), F.A.C.	

F. CONTINUOUS MONITOR INFORMATION

(Only Emissions Units Subject to Continuous Monitoring)

Continuous Monitoring System Continuous Monitor _____ of _____ NA

1. Parameter Code:	2. Pollutant(s):
3. CMS Requirement:	
4. Monitor Manufacturer: _____ Model Number: _____ Serial Number: _____	
5. Installation Date:	6. Performance Specification Test Date:
7. Continuous Monitor Comment (limit to 200 characters):	

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION
Supplemental Requirements

1. Process Flow Diagram <input checked="" type="checkbox"/> Attached, Document ID: <u>THREE</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
3. Detailed Description of Control Equipment <input checked="" type="checkbox"/> Attached, Document ID: <u>FIVE</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Compliance Test Report <input checked="" type="checkbox"/> Attached, Document ID: <u>EIGHT</u> <input type="checkbox"/> Previously submitted, Date: _____ <input type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
7. Operation and Maintenance Plan <input checked="" type="checkbox"/> Attached, Document ID: <u>FIVE</u> <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Supplemental Requirements Comment: NA