PROVIDENCE

original to IOA
cc copy to Mfg/Viator
PER20230001

2023 OCT 26 AM 10:04

October 26, 2023

Louisiana Department of Environmental Quality
Office of Environmental Services
P.O. Box 4313
Baton Rouge, Louisiana 70821-4313
Attn: Melissa Lantz

RE: Initial Minor Source Permit – Replacement Application
American Plant Food River Partners LLC
Ammonium Sulfate (AMS) Production Facility and Material Handling and Transportation Facility (MHTF)
Waggaman, Jefferson Parish, Louisiana
Agency Interest No. 237725
TEMPO Activity No. PER20230001

MAIN FILE

Dear Ms. Lantz:

On behalf of our client, American Plant Food River Partners LLC (APF), Providence Engineering and Environmental Group LLC (Providence) herein submits a replacement application for an initial minor source permit for a synthetic AMS Production Facility and MHTF in Waggaman, Jefferson Parish, Louisiana.

The design has been changed to remove the third granulator, the NPK system, and other associated equipment:

1. The following emission points have been removed:
   - BL-340 Equipment Vent Baghouse Exhauster #3
   - BR-301 Dryer Burner #3
   - GP3-Fug Fugitive Emissions from Granulation Plant #3
   - Hopper Receiving Hopper
   - LBC-01 Belt Conveyor - Transfer from STL-01 to SRL-01
   - LBC-02 Belt Conveyor - Transfer from STL-02 to SRL-02
   - NPKPiles NPK Piles
   - SBC-01B Belt Conveyor - Granulators - Receiving Conveyor from Process
   - SBC-02B Belt Conveyor - Granulators - Transfer from Process to Terminal
   - SBE-03 Bucket Elevator to AMS STL-01 Loadout
   - SBE-04 Bucket Elevator to AMS STL-02 Loadout
   - SRL-02 AMS Rail Loading Station #2
   - SSC-01 Screw/Coater 1
   - SSC-02 Screw/Coater 2

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By

- ST-341 Venturi Scrubber Stack #3
- STL-02 AMS Truck Loading Station #2
- TBC-01 Belt Conveyor - Receiving Belt Conveyor - Pivoting
- TBC-02 Belt Conveyor from Marine Dock, Over Levee
- TBC-03 Inbound NPK Belt Conveyor 3
- TBC-04 Inbound NPK Belt Conveyor 4
- TBC-05 Tripper Belt Conveyor in NPK Warehouse
- TBC-05A Belt Conveyor - Direct Transfer to Rail
- TBC-06 Reclaim Belt Conveyor from Warehouse to Rail
- TBC-07 Belt Conveyor - Transfer to Rail Loading Station #1
- TBE-01 NPK Bucket Elevators to Truck Loading Stations TTL-01
- TBE-02 NPK Bucket Elevators to Truck Loading Stations TTL-02

2. The original SBE-01 and SBE-02 have been removed. SBE-03 and SBE-04 were renamed as SBE-01 and SBE-02.

3. SBC-04A,B (belt conveyors) is a new source.

4. The throughput has been changed from 630,000 tons per year (tpy) to 500,000 tpy.

5. The ammonia scrubbers have their own stacks now (ST-153 and ST-253). These are new sources.

6. Air flowrates have changed for ST-140, ST-240, ST-141, and ST-241, which changed their emission rates.

7. Modeling inputs are provided in Appendix C.

If you have questions, please contact me at (225) 766-7400 or Jerry Bilicek with APF at (504) 324-2800.

Sincerely,

Robynn Andracsek

Robynn Andracsek, PE
Senior Air Quality Engineer
Providence Engineering and Environmental Group LLC

AMERICAN PLANT FOOD RIVER PARTNERS LLC

AMS PRODUCTION FACILITY AND MATERIAL HANDLING AND TRANSPORTATION FACILITY (MHTF)

AMERICAN PLANT FOOD
GROWTH STARTS HERE

REVISED INITIAL MINOR SOURCE PERMIT APPLICATION

AGENCY INTEREST NO. 237725

OCTOBER 2023

Providence Engineering and Environmental Group LLC
1201 Main Street
Baton Rouge, LA 70802
(225) 766-7400
www.providenceeng.com
Providence Project No: 691-013

PROVIDENCE

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SECTION 1.0

INTRODUCTION

1.0 INTRODUCTION

1.1 Background

American Plant Food River Partners LLC (APF) proposes to construct the AMS Production Facility and MHTF in Waggaman, Jefferson Parish, Louisiana. A site location map is provided as **Figure 1**.

This will be a new facility at Cornerstone Chemical Company's (Cornerstone's) existing industrial complex in Waggaman, Louisiana, (Cornerstone Energy Park or CEP). In a meeting with the Louisiana Department of Environmental Quality (LDEQ) on October 24, 2022, Cornerstone, APF and LDEQ determined that even though the entities share a common standard industrial classification (SIC) code and are contiguous, the APF facility is a separate stationary source at CEP for the following reasons:

- There is no common ownership between Cornerstone and APF. They are completely separate legal entities and have no joint ownership or parent/subsidiary relationship. The new AMS Production Facility and MHTF will employ plant managers and executive officers separately from Cornerstone. Because there is separate ownership, there will be separate corporate officers and board members.
- Cornerstone's current operation in Waggaman, Louisiana is independent of the proposed project and will continue to exist regardless of whether the AMS Production Facility or the MHTF are constructed. APF's proposed project is not dependent on Cornerstone's existing facility. As a part of the project, APF conducted a siting analysis, including a review of alternative sites in Texas and Louisiana. Although the complex in Waggaman is preferable due to the on-site availability of all required raw materials, the AMS Production Facility and MHTF could be constructed elsewhere.
- The proposed AMS Production Facility and MHTF will not share air pollution control equipment with Cornerstone's existing operation. The AMS Production Facility and MHTF will operate independently pursuant to one air permit. Cornerstone will not have the authority to manage APF's pollutant-emitting activities or make decisions relating to compliance with air regulations at the AMS Production Facility or the adjacent MHTF. APF will be responsible for complying with applicable air requirements related to the AMS Production Facility and MHTF.

1.2 Project Description

The facility has two major components: 1) two each 250,000 tpy ammonium sulfate granulation plants and 2) Ammonium Sulfate (AMS) fertilizer product material handling.

1.3 Process Description

Granulation Plants

Each of the two granulation plants is capable of producing 250,000 tpy for a combined maximum total of 500,000 tpy of finished AMS product using ammonia (NH_3) and sulfuric acid (H_2SO_4) as raw materials. Each of these raw materials is transferred to the facility by pipe and flow controlled into the granulation drum pipe reactor. Fresh water and scrubber water are added to the NH_3 flow before it enters the pipe reactor as a coolant for the exothermic reaction of NH_3 and H_2SO_4. The vent from the granulation drum, consisting of NH_3 fumes, dust, and steam, is sent to the NH_3 scrubber.

The wet granules from the granulation drum discharge into the drying drum, where they are dried from approximately 8.0% to less than 0.5% moisture. The granules in the drying drum are lifted by lifting flights in the drum and fall in curtains across the cross section of the drum, where hot air evaporates the water. The hot air is supplied by a natural gas burner, which is controlled to maintain a set discharge temperature of the exiting air. The natural gas burner is monitored by a burner management control panel to provide the required safety controls and prevent hazardous conditions. Exhaust from the drying drum is sent to a cyclone to remove a large portion of the dust generated in the drum and then to the venturi scrubber to remove the remaining dust and NH_3 vapors.

The dried granules from the dryer drum go to a pair of oversize screeners to remove granules larger than 4 millimeters (mm). These screeners can be operated with one online and the other as a spare, or the feed can be split to feed both screeners. The oversized granules are sent to a pair of chain mills, where they are crushed to obtain particles less than 4 mm. The discharge from the chain mills is returned to the oversize screeners so that any granules that were not reduced to below 4 mm can be recycled to the chain mill. The chain mills can be operated independently or split to feed both mills. Exhaust air from the chain mills goes to a cyclone to remove the majority of dust before going to the equipment baghouse. Dust collected in this cyclone is recycled to the granulation drum.

Product and undersized granules passing through the oversize screens are sent to two product screeners to remove granules less than 2 mm, to be recycled to the granulation drum. Product size granules (>2 to 4 mm) are conveyed to the cooler drum. The cooled product is conveyed to the product

conditioner drum where conditioning liquid is applied to reduce dust and caking. The product is then conveyed to the product storage warehouse.

The conditioning agent feed tank is heated to maintain 220 degrees Fahrenheit (°F) and flow controlled to the product conditioning drum to obtain proper coating weight.

All equipment and material transfer points in the plant are equipped with vent take-offs to minimize dust released in the plant area. These vent streams are collected and sent to the equipment baghouse to remove dust, and the clean air is exhausted to the atmosphere. Dust collected in the baghouse is recycled to the granulation drum.

The venturi scrubber receives vents from the dryer cyclone and NH_3 scrubber to remove dust and NH_3 vapors. The scrubbing solution is controlled by H_2SO_4 addition to be slightly acidic to absorb NH_3 fumes. The dust goes into solution in the scrubber water. A side stream of scrubber solution is removed and sent to the granulation drum. Clean air from the venturi scrubber is exhausted to the atmosphere.

Material Handling

AMS Receiving, Storage, and Shipping

Granulated AMS will be transported from the process area through a series of belt conveyors to a bucket elevator, then to a main transfer tower. At this point, the product may be coated with dust surfactant and anti-caking additive. The AMS will then be deposited into a dedicated storage bin within the new AMS Storage Building via a tripper belt conveyor system.

The conveyors transferring the product out of the process area to the terminal and storage area will either be provided with covers or fully enclosed in a gallery with ventilation, allowing the product to cool further before entering the AMS Storage Building. All AMS conveying systems will be fully enclosed either with full conveyor covers or conveyor galleries.

The proposed AMS Storage Building will have a total storage capacity of approximately 60,000 short tons.

From the AMS Storage Building, AMS will be reclaimed and transferred for shipping via truck, rail, or barge.

AMS Truck and Rail Loading

AMS reclaiming for truck or rail loadout will be performed via front-end loaders to hoppers to a series of belt conveyors to a bucket elevator system for transfer to a Truck and Rail Loadout system.

The Truck and Rail Loadout stations for the AMS product are located to the east of the AMS storage building. The AMS Truck and Rail loading process will be fully enclosed. The loading process will include a weigh loadout system. The truck loading spout will come with a positioner to account for variations in truck positioning during loading and with an in-line dust filter.

For rail loading, the product will be transferred from the truck loading station to the rail loading station via belt conveyor. The rail loading spout will also come with an in-line dust filter.

AMS Barge Loading

AMS reclaiming for barge loadout will be performed via front-end loaders to hopper to conveyors for transfer to a barge loadout system.

Outbound AMS will be transferred from the terminal area to the barge loading tower via a belt conveyor with a fully enclosed gallery. Empty barges for AMS loading will arrive at the new marine dock, which will be just upriver from the existing marine dock. The new marine dock will consist of two captive barges, with a fixed tower between the two captive barges. Barges will be brought into the river-facing side of the barge dock (the barge loading side), two at a time and uncoupled. The upriver barge will be tied off to the dock while the downriver barge will be hooked up to the new barge haul system and pulled downriver to the new barge loader, which will be on the fixed tower positioned between the two captive barges. The barge covers will remain on the barges during loading, and AMS loading will be performed through the barge cover doors. As a barge is loaded, it will be pulled downriver. When the first barge is fully loaded, it will be tied off at the down-river end of the marine dock, and the second barge will then be hooked up to the barge haul system, pulled downriver, and loaded. When both barges are fully loaded, they will be re-coupled and pulled away from the dock.

When the barge loading spout is not in use, it will be fully retracted and stowed over a platform. Any routine maintenance needed for the barge loading spout will be performed from this platform.

The barge loading operation will be controlled from an operator's cab also located on the fixed tower.

1.4 Air Emissions

The primary pollutants from the facility are particulate matter ($PM_{2.5}$, PM_{10}), sulfur dioxide (SO_2), oxides of nitrogen (NO_x), carbon monoxide (CO), and volatile organic compounds (VOC). The plant is a minor source of criteria pollutant emissions and a minor source of hazardous air pollutants/toxic air pollutants (HAPs/TAPs.)

SECTION 2.0

APPLICATION FORMS

Department of Environmental Quality Office of Environmental Services Air Permits Division P.O. Box 4313 Baton Rouge, LA 70821-4313 (225) 219-3417	**LOUISIANA** **Application for Approval of Emissions of Air Pollutants from Minor Sources**	DEQ LOUISIANA

PLEASE TYPE OR PRINT

1. Facility Information [LAC 33:III.517.D.1]

Facility Name (if any)
AMS Production Facility and Material Handling Transportation Facility

Agency Interest Number (A.I. Number)	**Currently Effective Permit Number(s)**
237725	NA

Company - Name of Owner
American Plant Food River Partners LLC

Company - Name of Operator (if different from Owner)

Parent Company (if Company – Name of Owner given above is a division)
American Plant Food Corporation

Federal Tax-ID
EIN 92-0777044

Ownership:
Check the appropriate box.

● corporation, partnership, or sole proprietorship	○ regulated utility	○ municipal government
○ state government	○ federal government	○ other, specify

2. Physical Location and Process Description [LAC 33:III.517.D.18, unless otherwise stated]

What does this facility produce? Add more rows as necessary

ammonium sulfate

What modifications/changes are proposed in this application? Add more rows as necessary.

See Section 1.0 of the report and cover letter.

Nearest town (in the same parish as the facility):	Parish(es) where facility is located:
Waggaman	Jefferson

Distance To (mi):	205	Texas	220	Arkansas	43	Mississippi	114	Alabama
Latitude Front Gate:	29	Deg	57	Min	37	Sec		Hundredths
Longitude Front Gate:	90	Deg	16	Min	19	Sec		Hundredths

Add physical address and description of location of the facility below. If the facility has no address, provide driving directions. Add more rows as necessary.

10800 River Road, Waggaman

Map attached (required per LAC 33:III.517.D.1)

Description of processes and products attached (required per LAC 33:III.517.D.2)

Introduction/Description of the proposed project attached (required per LAC 33:III.517.D.5)

☐ Evidence of compliance with local zoning ordinance for proposed location (required per LAC 33:III.513.C.1.a; for Portable Facilities only)

3. Confidentiality [LAC 33.I.Chapter 5]

Are you requesting confidentiality for any information except air pollutant emission rates?	○ Yes ● No

If "yes," list the sections for which confidentiality is requested below. Add rows as necessary. Confidentiality requests require a submittal that is separate from this application. Information for which confidentiality is requested should not be submitted with this application. Consult instructions.

4. Type of Application [LAC 33:III.517.D]

Complete the appropriate column (1 or 2) that corresponds to the type of permit being sought. Check all that apply within the appropriate column.

■ Minor Source	☐ Synthetic Minor Source	☐ Small Source	☐ Portable Facility

☐ Minor Source Oil and Gas General Permit (MSOGA)*

☐ Minor Source Surface Coating and Fabrication General Permit (SCF)*

Select one, if applicable:

■ Entirely new facility

☐ Modification or expansion of existing facility (may also include reconciliations)

☐ Reconciliation only

** Additional separate submittal required. See instructions for more details.*

If "Portable Facility" was selected above, please enter the Make, Model, and Serial Number of each portable combustion emissions source to be permitted. Otherwise, leave blank. Do *NOT* list any motor vehicles. ■ N/A

Add rows as necessary.

Make	Model	Serial Number

Does this submittal update or replace an application currently under review?	● Yes ○ No
If yes, provide date that the prior application was submitted:	Mar-23

Select one if this application is for an existing facility that does not have an air quality permit:

☐ Previously Grandfathered (LAC 33:III.501.B.6)

☐ Previously Exempted (e.g., Small Source Exemption; LAC 33:III.501.B.2.d)

☐ Previously Unpermitted

5. Fee Information [LAC 33:III.517.D.17]

Fee Parameter: If the fee code is based on an operational parameter (such as number of employees or capital cost), enter that parameter here.	throughput

Industrial Category: Enter the Standard Industrial Classification (SIC) Codes that apply to the facility.

Primary SICC: 2873 **Primary NAICS Code:** 325311

Secondary SICC(s):

Project Fee Calculation: Enter fee code, permit type, production capacity/throughput, and fee amount pursuant to LAC 33:III.Chapter 2. Add rows to this table as needed. Include with the application the amount in the Grand Total blank as the permit application fee.

FEE CODE	TYPE	EXISTING CAPACITY	INCREMENTAL INCREASE	SURCHARGE			TOTAL AMOUNT
				MULTIPLIER	NSPS	TOXICS	
0650	New	NA	500,000 tpy	25%	■	☐	$ 13,013
					☐	☐	
						GRAND TOTAL	$ 13,013

Optional Fee Explanation: Use the space provided to give an explanation of the fee determination displayed above.

Fee was already paid.

Electronic Fund Transfer (EFT): If paying the permit application fee using an Electronic Fund Transfer (EFT), please include the EFT Transaction Number, the Date that the EFT was made, and the total dollar amount submitted in the EFT. If not paying the permit application fee using EFT, leave blank.

EFT Transaction Number	Date of Submittal	Total Dollar Amount

6. Key Dates

Estimated date construction will commence:	January 1, 2024
Estimated date operation will commence:	August 1, 2025

7. LAC 33:I.1701 Requirements – Answer all below for new sources and permit renewals ○ N/A

Does the company or owner have federal or state environmental permits identical to, or of a similar nature to, the permit for which you are applying in Louisiana or other states? (This requirement applies to all individuals, partnerships, corporations, or other entities who own a controlling interest of 50% or more in your company, or who participate in the environmental management of the facility for an entity applying for the permit or an ownership interest in the permit.)	● Yes ○ No
If yes, list States:	Texas
Do you owe any outstanding fees or final penalties to the Department? If yes, explain below. Add rows if necessary.	○ Yes ● No
Is your company a corporation or limited liability company? If yes, attach a copy of your company's Certificate of Registration and/or Certificate of Good Standing from the Secretary of State. The appropriate certificate(s) should be attached to the end of this application as an appendix.	● Yes ○ No

8. Certification of Compliance with Applicable Requirements

Statement for Applicable Requirements for Which the Company and Facility Referenced In This Application Is In Compliance

Based on information and belief, formed after reasonable inquiry, the company and facility referenced in this application is in compliance with and will continue to comply with all applicable requirements pertaining to the sources covered by the permit application, as outlined in Tables 1 and 2 in the permit application. For requirements promulgated as of the date of this certification with compliance dates effective during the permit term, I further certify that the company and facility referenced in this application will comply with such requirements on a timely basis and will continue to comply with such requirements.

For corporations only: By signing this form, I certify that, in accordance with the definition of Responsible Official found in LAC 33:III.502, (1) I am a president, secretary, treasurer, or vice-president in charge of a principal business function, or other person who performs similar policy or decision-making functions; or (2) I am a duly authorized representative of such person; am responsible for the overall operation of one or more manufacturing, production, or operating facilities addressed in this permit application; and either the facilities employ more than 250 persons or have gross annual sales or expenditures exceeding $25 million (in second quarter 1980 dollars); or the delegation of authority has been approved by LDEQ prior to this certification.*

*Approval of a delegation of authority can be requested by completing a Duly Authorized Representative Designation Form (Form_7218) available on LDEQ's website at: http://www.deq.louisiana.gov/portal/tabid/2758/Default.aspx

CERTIFICATION: I certify, under provisions in Louisiana and United States law which provide criminal penalties for false statements, that based on information and belief formed after reasonable inquiry, the statements and information contained in this Application for Approval of Emissions of Air Pollutants from Minor Sources, including all attachments thereto and the compliance statement above, are true, accurate, and complete.

a. Responsible Official		
Name Jerry Bilicek		
Title Chief Operating Officer		
Company American Plant Food River Partners LLC		
Suite, mail drop, or division Ste 136		
Street or P.O. Box 3500 N. Causeway Blvd		
City Metairie	State LA	Zip 70002
Business phone 504-324-2800		
Email Address jbilicek@americanplantfood.com		
Signature of responsible official (See LAC 33:III.502)		
Date 10/25/23		

9. Personnel [LAC 33:III.517.D.1]

a. Manager of Facility who is located at plant site

Name	● Primary Contact
Jerry Bilicek	
Title	
Chief Operating Officer	
Company	
American Plant Food River Partners LLC	
Suite, mail drop, or division	
Ste 136	
Street or P.O. Box	
3500 N. Causeway Blvd	

City	State	Zip
Metairie	LA	70002

Business phone	Mobile phone
504-324-2800	832-858-2371

Email Address
jbilicek@americanplantfood.com

b. On-site contact regarding air pollution control

Name	○ Primary Contact
Jerry Bilicek	
Title	
Chief Operating Officer	
Company	
American Plant Food River Partners LLC	
Suite, mail drop, or division	
Ste 136	
Street or P.O. Box	
3500 N. Causeway Blvd	

City	State	Zip
Metairie	LA	70002

Business phone	Mobile phone
504-324-2800	832-858-2371

Email Address
jbilicek@americanplantfood.com

c. Person to contact with written correspondence

Name	○ Primary Contact
Jerry Bilicek	
Title	
Chief Operating Officer	
Company	
American Plant Food River Partners LLC	
Suite, mail drop, or division	
Ste 136	
Street or P.O. Box	
3500 N. Causeway Blvd	

City	State	Zip
Metairie	LA	70002

Business phone
504-324-2800

Email Address
jbilicek@americanplantfood.com

d. Person who prepared this report

Name	○ Primary Contact
Robynn Andracsek	
Title	
Senior Air Quality Engineer	
Company	
Providence Engineering and Environmental Group LLC	
Suite, mail drop, or division	
Street or P.O. Box	
1201 Main Street	

City	State	Zip
Baton Rouge	LA	70802

Business phone
225-766-7400

Email Address
robynnandracsek@providenceeng.com

e. Person to contact about Annual Maintenance Fees

See "a"

Name	Street or P.O. Box
Title	City / State / Zip
Company	Business phone
Suite, mail drop, or division	Email Address

10. Proposed Project Emissions [LAC 33:III.517.D.3]

List the total emissions following the proposed project for this facility or process unit (for process unit-specific permits). Speciate all criteria pollutants, TAP, and HAP for the proposed project.

Pollutant	Proposed Emission Rate (tons/yr)
$PM_{2.5}$	9.4
PM_{10}	11.35
SO_2	0.06
NOx	8.58
CO	7.22
VOC Total	0.48
CO_2e	10,258
n-Hexane	0.16
Formaldehyde	0.02
Ammonia	0.59

11. History of Permitted Emissions [LAC 33:III.517.D.18]

List each of the following in chronological order:

• The Permit Number and Date Action Issued for each air quality permit that has been issued to this facility or process unit (for process unit-specific permits) within the last ten (10) years.

• All small source exemptions, authorizations to construct, administrative amendments, case-by-case insignificant activities, and changes of tank service that have been approved since the currently effective Title V Operating Permit or State Operating Permit was issued to this facility or process unit (for process unit-specific permits). It is not necessary to list any such activities issued prior to the issuance of the currently effective Title V Operating Permit or State Operating Permit, if one exists.

Permit Number	Date Action Issued

12.a. Enforcement Actions [LAC 33:III.517.D.18]

If yes, list all federal and state air quality enforcement actions, settlement agreements, and consent decrees received for this facility and/or process unit (for process unit-specific permits) since the issuance of the currently effective Title V Operating Permit or State Operating Permit. For each action, list the type of action (or its tracking number), the regulatory authority or authorities that issued the action, and the date that the action was issued. Summarize the conditions imposed by the enforcement action, settlement agreement, and consent decree in Section 19, Table 2. It is not necessary to submit a copy of the referenced action. Add rows to table as necessary.	○ Yes ● No

Type of Action or Tracking Number	Issuing Authority	Date Action Issued	Summary of Conditions Included?
			○ Yes ● No

12.b. Schedule for Compliance [LAC 33:III.517.E.4]

If the facility or process unit for which application is being made is not in full compliance with all applicable regulations, give a description of how compliance will be achieved, including a schedule for compliance below. Add rows as necessary. See instructions.	○ Yes ● No

13. Letters of Approval for Alternate Methods of Compliance

If yes, list all correspondence with LDEQ, EPA, or other regulatory bodies that provides for or supports a request for alternate methods of compliance with any applicable regulations for this facility or process unit (for process unit-specific permits). List the date of issuance of the letter and the regulation referenced by the letter. Attach as an appendix a copy of all documents referenced in this table. Letters that are not included may not be incorporated into a final permit. Add rows to table as necessary.	○ Yes ● No

Date Letter Issued	Issuing Authority	Referenced Regulation(s)	Copy of Letter Attached?
			○ Yes ● No

14. Initial Notifications and Performance Tests [LAC 33:III.517.E.1]

If yes, list any initial notifications that have been submitted or one-time performance tests that have been performed for this facility or process unit (for process unit-specific permits) since the issuance of the currently effective Title V Operating Permit or State Operating Permit in order to satisfy regulatory requirements. Any initial notification or one-time performance test requirements that have not been satisfied should be listed in Section 19, Table 2 of this application. Any notifications or performance tests that recur periodically should also be properly noted in Section 19, Table 2 of this application. Add rows to table as necessary.	○ Yes ● No

Initial Notification or One-time Performance Test?	Regulatory Citation Satisfied	Date Completed/Approved

15. Air Quality Dispersion Modeling [LAC 33:III.517.D.15]

Was Air Quality Dispersion Modeling as required by LAC 33:III performed in support of this permit application? (Air Quality Dispersion Modeling is only required when applying for PSD permits and as requested by LDEQ.)	○ Yes ● No
Has Air Quality Dispersion Modeling completed in accordance with LAC 33:III ever been performed for this facility in support of a air permit application previously submitted for this facility or process unit (for process unit-specific permits) or as required by other regulations AND approved by LDEQ?	○ Yes ● No
If yes, enter the date the most recent Air Quality Dispersion Modeling results as required by LAC 33:III were submitted:	

If the answer to either question above is "yes," enter a summary of the most recent results in the following table. If the answer to both questions is "no," enter "none" in the table. Add rows to table as necessary.

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	TAP AAS or NAAQS
None			

16. General Condition XVII Activities [LAC 33:III.537]

Enter all activities that qualify as Louisiana Air Emissions Permit General Condition XVII Activities. *• Expand this table as necessary to include all such activities.* *• See instructions to determine what qualifies as a General Condition XVII Activity.* *• Do not include emissions from General Condition XVII Activities in the proposed emissions totals for the permit application.* *• The "Schedule" blank for each proposed General Condition XVII Activity is a **required** entry.*	○ Yes ● No

Work Activity	Schedule	Emission Rates – TPY					
		PM_{10}	SO_2	NO_X	CO	VOC Total	Other

17. Insignificant Activities [LAC 33:III.501.B.5]

Enter all activities that qualify as Insignificant Activities. *• Expand this table as necessary to include all such activities.* *• For sources claimed to be insignificant based on size or emission rate (LAC 33:III.501.B.5.A), information must be supplied to verify each claim. This may include but is not limited to operating hours, volumes, and heat input ratings.* *• If aggregate emissions from all similar pieces of equipment claimed to be insignificant are greater than 5 tons per year for any pollutant, then the activities can not be claimed as insignificant and must be represented as permitted emission sources. Aggregate emissions shall mean the total emissions from a particular insignificant activity or group of similar insignificant activities (e.g., A.1, A.2, etc.) within a permit per year.*	○ Yes ● No

EPN	Description	Physical/Operating Data	Citation

18. Regulatory Applicability for Commonly Applicable Regulations [LAC 33:III.517.D.10]

Does this facility contain asbestos or asbestos containing materials? If "yes," the facility or any portion thereof may be subject to 40 CFR 61, Subpart M, LAC 33:III.Chapter 27, and/or LAC 33:III.5151 and this application must address compliance as stated in Section 19 of this application.	○ Yes ● No
Is the facility or process unit represented in this permit subject to 40 CFR 68, or is any other process unit located at the same facility as the process unit represented in this application subject to 40 CFR 68? If "yes," the entire facility is subject to 40 CFR 68 and LAC 33:III.Chapter 59 and this application must address compliance as stated in Section 19 of this application.	○ Yes ● No
Is the facility listed in LAC 33:III.5611	
Table 5	○ Yes ● No
Table 6	○ Yes ● No
Table 7	○ Yes ● No
Does the applicant own or operate commercial refrigeration equipment normally containing more than 50 pounds of refrigerant at this facility or process unit? If "yes," the entire facility is subject to 40 CFR 82, Subpart F and this application must address compliance as stated in Section 19 of this application.	○ Yes ● No

19. Applicable Regulations, Air Pollution Control Measures, Monitoring, and Recordkeeping

Important points for Table 1 [LAC 33:III.517.D.10]:

- List in Table 1, by Emission Point ID Number and Descriptive Name of the Equipment, state and federal pollution abatement programs and note the applicability or non-applicability of the regulations to each source.
- Adjust the headings for the columns in Table 1 as necessary to reflect all applicable regulations, in addition to any regulations that do not apply but need an applicability determination to verify this fact.
- For each piece of equipment, enter "1" for each regulation that applies. Enter "2" for each regulation that applies to this type of source, but from which this source of emissions is exempt. Enter "3" for equipment that is subject to a regulation, but does not have any applicable requirements. Also, enter "3" for each regulation that have applicable requirements that apply to the particular emission source but the regulations currently do not apply due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place.
- Leave the spaces blank when the regulations clearly would not apply under any circumstances to the source. For example, LAC 33:III.2103 – Storage of Volatile Organic Compounds would never apply to a steam generating boiler, no matter the circumstances.
- Consult instructions.

Important points for Table 2 [LAC 33:III.517.D.10]:

- For each piece of equipment listed in Table 2, include all applicable limitation, recordkeeping, reporting, monitoring, and testing requirements. Also include any one-time notification or one-time tests performance test requirements that have not been fulfilled.
- Each of these regulatory aspects (limitation, recordkeeping, reporting, etc.) should be addressed for each regulation that is applicable to each emissions source or emissions point.
- For each regulation that provides a choice regarding the method of compliance, indicate the method of compliance that will be employed. It is not sufficient to state that all compliance options will be employed, though multiple compliance options may be approved as alternative operating scenarios.
- Consult instructions.

Important points for Table 3 [LAC 33:III.517.D.16]:

- Each time a 2 or a 3 is used to describe applicability of a source in Table 1, an entry should be made in Table 3 that explains the exemption or non-applicability status of the regulation to that source.
- Fill in all requested information in the table.
- The exact regulatory citation that provides for the specific exemption or non-applicability determination should be entered into the Citation Providing for Exemption or Non-applicability column.
- Consult Instructions.

Important points for Table 4 [LAC 33:III.517.D.18]

- List any single emission source that routes its emissions to another point where these emissions are commingled with the emissions of other sources before being released to the atmosphere. Do not list any single emission source in this table that does not route its emissions in this manner.
- List any and all emission sources that are routed as described above. This includes emission sources that do not otherwise appear in this permit application.
- Consult instructions.

20. Emissions Inventory Questionnaire (EIQ) Forms [LAC 33:III.517.D.3]

Complete one (1) EIQ for:

- Each emission source. If two emission sources have a common stack, the applicant may submit one EIQ sheet for the common emissions point. Note any emissions sources that route to this common point in Table 4 of the application.
- Each emissions CAP that is proposed. In general, this applies to each source that is part of the CAP.
- Each alternate operating scenario that a source may operate under. Some common scenarios are:
  1. Sources that combust multiple fuels
  2. Sources that have Startup/Shutdown max lb/hr emission rates higher than the max lb/hr for normal operating conditions would need an EIQ for the Startup/Shutdown emission rates for those sources
- Fugitive emissions releases. One (1) EIQ should be completed for each of the following types of fugitive emissions sources or emissions points:
  1. Equipment leaks.
  2. Non-equipment leaks (i.e. road dust, settling ponds, etc.).

For each EIQ:

- Fill in all requested information.
- Speciate all Toxic Air Pollutants and Hazardous Air Pollutants emitted by the source.
- Use appropriate significant figures.
- Consult instructions.

The EIQ is in Microsoft Word Excel. Click on this link to get to the EIQ form.
http://deq.louisiana.gov/page/air-permit-applications

21. Contiguous Facilities [LAC 33:III.502]

● N/A

List each facility that is contiguous to and under common control with the facility represented in this permit application. Consult instructions for a full discussion of what is considered to be contiguous to and under common control with the facility represented in this permit application.

If any contiguous facilities exist, complete all fields for each contiguous facility. Emission rates should be represented in tons per year. Add rows as necessary. As the last entry, show the total emission rates of each listed pollutant for all listed contiguous facilities. If no contiguous facilities exist, enter "N/A."

Guidance regarding contiguous/adjacent determinations is available at http://deq.louisiana.gov/page/-contiguous-or-adjacent-properties-in-the-oil-and-natural-gas-sector.

Facility Name	Agency Interest Number	Emission Rates – TPY					
		PM_{10}	SO_2	NO_X	CO	VOC	Total HAPs/ Total TAPs
Total							

STATE OPERATING PERMIT APPLICATION COMPLETENESS CHECKLIST

Instructions: Complete this checklist and submit with the completed air permit application.

LAC 33:III.	Completeness Questions Relative to the Part 70 Permit Application	Yes	No	N/A	Location Within the Permit Application
517.B.1,2 Certification	Does the Application include a Certification by a Responsible Official or Duly Authorized Representative?	●	○	○	Section 2.0
517.D.1 Identifying Information	Does the Application Include:				
	1. Company Name, Physical and Mailing Address of Facility?	●	○	○	Section 2.0
	2. Map showing Location of the Facility?	●	○	○	Figure 1
	3. Owner and Operator Names and Agent?	●	○	○	Section 2.0
	4. Name and Telephone Number of Plant Manager or Contact?	●	○	○	Section 2.0
517.D.2 SIC Codes, Source Categories	Does the Application Include a Description of the Source's Processes and Products?	●	○	○	Section 2.0
	Does the Application Include the Source's SIC Code?	●	○	○	Section 2.0
	Does the Application Include EPA Source Category of HAPs if applicable?	●	○	○	Section 2.0
517.D.3,6 EIQ Sheets	Has an EIQ Sheet been Completed for each Emission Point whether an Area or Point Source?	●	○	○	Section 4.0
517.D.4 Monitoring Devices	Does the Application Include Identification and Description of Compliance Monitoring Devices or Activities?	●	○	○	Section 3.0
517.D.5 Revisions and Modifications Only	For Revisions or Modifications, Does the Application include a Description of the Proposed Change and any Resulting Change in Emissions?	○	○	●	
517.D.7 General Information	Does the Application Include Information Regarding Fuels, Fuel Use, Raw Materials, Production Rates, and Operating Schedules as necessary to substantiate emission rates?	●	○	○	Section 5.0
517 D.8 Operating Limitations	Has Information Regarding any Limitations on Source Operation or any Applicable Work Practice Standards been Identified?	○	○	●	Section 5.0
517.D.9 Calculations	Are Emission Calculations Provided?	●	○	○	Section 5.0
517.D.10 Regulatory Review	Does the Application Include a Citation and Description of Applicable Louisiana and Federal Air Quality Requirements and Standards?	●	○	○	Section 3.0
517.D.11 Test Methods	Has a Description of or a Reference to Applicable Test Methods Used to Determine Compliance with Standards been Provided?	○	○	●	
517.D.12 Major Sources of TAPs	Does the Application include Information Regarding the Compliance History of Sources Owned or Operated by the Applicant (per LAC 33.III.5111)?	○	○	●	
517.D.13 Major Sources of TAPs	Does the Application include a Demonstration to show that the Source Meets all Applicable MACT and Ambient Air Standard Requirements?	○	○	●	
517.D.16, 18	Has any Additional Information been Provided?	○	○	●	

STATE OPERATING PERMIT APPLICATION COMPLETENESS CHECKLIST

Instructions: Complete this checklist and submit with the completed air permit application.

LAC 33:III.	Completeness Questions Relative to the Part 70 Permit Application	Yes	No	N/A	Location Within the Permit Application
517.D.17 Fees	Has the Fee Code been Identified?	●	○	○	Section 2.0
	Is the Applicable Fee Included with the Application?	●	○	○	Already submitted
517.F Confidentiality	Does the Application Include a Request for Non-Disclosure (Confidentiality)?	○	●	○	
525.B. Minor Permit Modifications	Does the Application Include a Listing of New Requirements Resulting from the Change?	○	○	●	
	Does the Application Include Certification by the Responsible Official that the Proposed Action Fits the Definition of a Minor Modification as per LAC 33:III.525.A.	○	○	●	
	Does the Certification also Request that Minor Modification Procedures be Used?	○	○	●	

SECTION 3.0

REGULATORY TABLES

TABLE 1: APPLICABLE LOUISIANA AND FEDERAL AIR QUALITY REQUIREMENTS

Source ID	Source Description	LAC 33:III.Chapter											
		5	9	11	13	15	2103	2104	2111	2113	29	56	59
	Facility-wide	1		1	1					1	1	1	3
AMSPiles	AMS Piles				1								
ST-140	Equipment Vent Baghouse Exhauster #1				1								
ST-240	Equipment Vent Baghouse Exhauster #2				1								
BR-101	Dryer Burner #1			3	1	3							
BR-201	Dryer Burner #2			3	1	3							
BSB-01	Surge Bin - Barge Loadout Transfer Tower				1								
FUG	Ammonia fugitives (piping)												
GP1-Fug	Fugitive Emissions from Granulation Plant #1				1								
GP2-Fug	Fugitive Emissions from Granulation Plant #2				1								
SBC-01	Belt Conveyor - Granulators - Receiving Conveyor from Process				1								
SBC-02	Belt Conveyor - Granulators - Transfer from Process to Terminal				1								
SBC-03	Belt Conveyors				1								
SBC-04A,B	Belt Conveyors				1								
SBC-05	Belt Conveyor - Belt Transfer to AMS STL-01 Loadout				1								
SBC-06	Belt Conveyor - Reclaim Belt Conveyor for Barge Loadout				1								
SBC-07	Belt Conveyor - Transfer to Barge Loading				1								
SBC-08	Belt Conveyor - Shuttle Conveyor for Barge Loading				1								
SBE-01	Bucket Elevator to AMS STL-01 Loadout				1								
SBE-02	Bucket Elevator to AMS STL-02 Loadout				1								
SBL-01	Barge Loader				1								
SBT-1,2,3,4	Bulk Toters				1								
SDC-1,2,3,4	Drag Conveyors				1								
SHC-1,2,3,4	Hoppers 1,2,3,4				1								
SHC-5,6,7,8	Hoppers 5,6,7,8				1								
SRL-01	AMS Rail Loading Station #1				1								
ST-141	Venturi Scrubber Stack #1				1								
ST-153	NH3 Scrubber Stack #1				1								
ST-241	Venturi Scrubber Stack #2				1								
ST-253	NH3 Scrubber Stack #2				1								
STL-01	AMS Truck Loading Station #1				1								

TABLE 1: APPLICABLE LOUISIANA AND FEDERAL AIR QUALITY REQUIREMENTS

Source ID	Source Description	40 CFR 60					40 CFR 63					40 CFR		
		A	Kb	Dc	VV		A	F	G	H	6J	64	68	82
	Facility-wide												3	
AMSPiles	AMS Piles													
ST-140	Equipment Vent Baghouse Exhauster #1													
ST-240	Equipment Vent Baghouse Exhauster #2													
BR-101	Dryer Burner #1	1		1							3			
BR-201	Dryer Burner #2	1		1							3			
BSB-01	Surge Bin - Barge Loadout Transfer Tower													
FUG	Ammonia fugitives (piping)													
GP1-Fug	Fugitive Emissions from Granulation Plant #1													
GP2-Fug	Fugitive Emissions from Granulation Plant #2													
SBC-01	Belt Conveyor - Granulators - Receiving Conveyor from Process													
SBC-02	Belt Conveyor - Granulators - Transfer from Process to Terminal													
SBC-03	Belt Conveyors													
SBC-04A,B	Belt Conveyors													
SBC-05	Belt Conveyor - Belt Transfer to AMS STL-01 Loadout													
SBC-06	Belt Conveyor - Reclaim Belt Conveyor for Barge Loadout													
SBC-07	Belt Conveyor - Transfer to Barge Loading													
SBC-08	Belt Conveyor - Shuttle Conveyor for Barge Loading													
SBE-01	Bucket Elevator to AMS STL-01 Loadout													
SBE-02	Bucket Elevator to AMS STL-02 Loadout													
SBL-01	Barge Loader													
SBT-1,2,3,4	Bulk Toters													
SDC-1,2,3,4	Drag Conveyors													
SHC-1,2,3,4	Hoppers 1,2,3,4													
SHC-5,6,7,8	Hoppers 5,6,7,8													
SRL-01	AMS Rail Loading Station #1													
ST-141	Venturi Scrubber Stack #1													
ST-153	NH3 Scrubber Stack #1													
ST-241	Venturi Scrubber Stack #2													
ST-253	NH3 Scrubber Stack #2													
STL-01	AMS Truck Loading Station #1													

KEY TO MATRIX

1 (Applicable) The regulations have applicable requirements that apply to this particular emissions source. This includes any monitoring, recordkeeping, or reporting requirements.

2 (Exempt) The regulations apply to this general type of emission source (*i.e.* vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

3 (Does Not Apply) The regulations do not apply to this emissions source. The regulations may have applicable requirements that could apply to this emissions source but the requirements do not currently apply to the source due to meeting a specific criterion, such as it has not been constructed, modified or reconstructed since the regulations have been in place.

Blank – The regulations clearly do not apply to this type of emission source.

TABLE 2: STATE AND FEDERAL AIR QUALITY REQUIREMENTS

Source ID	Applicable Requirement	Compliance Method/Provision	Compliance Citation	Averaging Period/Frequency	State Only Requirement
Facility-wide	*Requirements that limit emissions or operations -*				
	LAC 33:III.Chapter 5	Comply with the Louisiana General Conditions as set forth in LAC 33:III.537.	LAC 33:III.537	N/A	no
	LAC 33:III.Chapter 11	Emissions of smoke which passes onto or across a public road and creates a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensifies an existing traffic hazard condition is prohibited.	LAC 33:III.1103	N/A	no
	LAC 33:III.Chapter 11	Outdoor burning is prohibited.	LAC 33:III.1109	N/A	no
	LAC 33:III.Chapter 13	Emissions of particulate matter which passes onto or across a public road and creates a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensifies an existing traffic hazard condition is prohibited.	LAC 33:III.1303.B	N/A	no
	LAC 33:III.Chapter 13	Prevent particulate matter from becoming airborne by taking all reasonable precautions. These precautions shall include, but not be limited to, those specified in LAC 33:III.1305.A.1-7.	LAC 33:III.1303.B	N/A	no
	LAC 33:III.Chapter 21	Best practical housekeeping and maintenance practices must be maintained at the highest possible standards to reduce the quantity of organic compound emissions. Emission of organic compounds must be reduced wherever feasible.	LAC 33:III.2113	N/A	no
	LAC 33:III Chapter 29	Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater are prohibited.	LAC 33:III.2901.D	N/A	no
	Requirements that specify monitoring -				
	N/A				
	Requirements that specify records to be kept and requirements that specify record retention time -				
	LAC 33:III.Chapter 56	During an Air Pollution Alert, Air Pollution Warning or Air Pollution Emergency, make the standby plan available on the premises to any person authorized by the department to enforce these regulations.	LAC 33:III.5611.B	N/A	no
	Requirements that specify reports to be submitted -				
	LAC 33:III.Chapter 56	Submit a standby plan for the reduction or elimination of emissions during an air pollution alert, air pollution warning, or air pollution emergency. Due within 30 days of the request by the administrative authority.	LAC 33:III.5611.A	N/A	no
	LAC 33:III.Chapter 56	Submit standby plan for the reduction or elimination of emissions during an Air Pollution Alert, Air Pollution Warning, or Air Pollution Emergency: Due within 30 days after requested by the administrative authority.	LAC 33:III.5611.A	N/A	no
	Requirements that specify performance testing -				
	N/A				

TABLE 2: STATE AND FEDERAL AIR QUALITY REQUIREMENTS

BR-101 Dryer Burner 1 BR-201 Dryer Burner 2	*Requirements that limit emissions or operations -*				
	LAC 33:III.Chapter 13	Opacity <= 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel).	LAC 33:III.1311.C	All Year	no
	Requirements that specify monitoring -				
	N/A				
	Requirements that specify records to be kept and requirements that specify record retention time -				
	40 CFR 60 Subpart Dc	Maintain all records required under 40 CFR 60.48c for a period of 2 years following the date of such record.	40 CFR 60.48c(i)	N/A	no
	40 CFR 60 Subpart Dc	Fuel rate recordkeeping by electronic or hardcopy daily. Keep records of the amount of fuel combusted during each day. Maintain all records for two years following the date of such record.	40 CFR 60.48c(g) and (i)	Daily	no
	Requirements that specify reports to be submitted -				
	40 CFR 60 Subpart Dc	Submit notification: Due as specified in 40 CFR 60.7. Submit the date of construction or reconstruction and actual startup. Include the information specified in 40 CFR 60.48c(a)(1) through (a)(4) as applicable.	40 CFR 60.48c(a)	N/A	no
	40 CFR 60 Subpart Dc	Maintain all records required under 40 CFR 60.48c for a period of 2 years following the date of such record.	40CFR63.7540(a)(13)	N/A	no
	Requirements that specify performance testing -				
	N/A				
BL-140, BL-240, ST-141, ST-241, ST-341, GP1-Fug, GP2-Fug, BSB-01, SBC-01, SBC-02, SBC-03, SBC-04, SBC-05, SBC-06, SBC-07, SBC-08, SBE-03,SBL-01, SBT-1,2,3,4, SDC-1,2,3,4, SHC-1,2,3,4, SHC-6,7,8, SRL-01, ST-153, ST-253, STL-01	*Requirements that limit emissions or operations -*				
	LAC 33:III.Chapter 13	All reasonable precautions shall be taken to prevent particulate matter from becoming airborne. Precautions include those listed in LAC 33:III.1305.A.1 - 7.	LAC 33:III.1305	N/A	no
	LAC 33:III.Chapter 13	Particulate matter emission shall be controlled such that the shade or appearance of the emission is ≤20% average opacity except for an average opacity >20% for not more than one six-minutes period in any 60 consecutive minutes.	LAC 33:III.1311.C	N/A	no
	Requirements that specify monitoring -				
	N/A				
	Requirements that specify records to be kept and requirements that specify record retention time -				
	N/A				
	Requirements that specify reports to be submitted -				
	N/A				
	Requirements that specify performance testing -				
	N/A				

For each Emission Point ID Number:
- List each regulation that applies.
- Arrange the requirements imposed by each regulation according to the headings provided below.
- Repeat this process for each regulation that applies to each source.
- State-only Requirements should be noted as such in the appropriate column.

TABLE 3: EXPLANATION FOR EXEMPTION STATUS OR NON-APPLICABILITY OF A SOURCE

Source ID	Requirement	Exempt or Does Not Apply	Explanation	Citation Providing for Exemption or Non-Applicability
Facilitywide	LAC 33:III. Chapter 51	Exempt	The facility is not a major source which emits more than 10 tpy of any single toxic air pollutant (TAP) or 25 tpy of any combination of TAPs.	LAC 33:III.5101.A
	LAC 33:III.Chapter 56	Does Not Apply	The facility is not listed in LAC 33:III.5611, Tables 5, 6, or 7.	LAC 33:III.5609
	LAC 33:III.Chapter 59	Does Not Apply	The facility does not produce, process, handle, or store any of the substances listed in 40 CFR 68.130, Table 59.0 of this part, or Table 59.1 of LAC 33:III.5913 in quantities greater than the threshold quantities listed in those respective places.	LAC 33.III.5907.A
	40 CFR 68	Does Not Apply	The facility contains no sources which produce, handle, process, or store substances listed in 40 CFR 68.130 in quantities greater than the listed threshold.	40 CFR 63.781.A
BR-101 Dryer Burner 1, BR-201 Dryer Burner 2	LAC 33:III.Chapter 11	Does Not Apply	Units combust natural gas only.	LAC 33:III.1107.B.1
	LAC 33:III. Chapter 15	Does Not Apply	Sources emits less than 5 tpy of SO_2 emissions.	LAC 33:III.1502.A.3
	40 CFR 63 Subpart JJJJJJ	Does Not Apply	Units combust natural gas only.	40 CFR 63.11195(e)

TABLE 4: EQUIPMENT LIST

Enter each single emission point that routes its emissions to another source (i.e., a control device) or a common stack, or is part of an Emissions Cap. List the emissions source to which each single emission point is routed or the Cap of which the source is a member, if applicable. Consult instructions.

Source ID	Description	Construction Date	Routes to:	Operating Rate/Volume	Applicable Requirement(s)?
BC-102	Dryer Drum Conveyor	January 2024	BL-140, ST-141, ST-153	27.48 tph	No
BC-114	Product Conveyor 1	January 2024	BL-140, ST-141, ST-153	5.07 tph	No
BC-115	Recycle Conveyor 1	January 2024	BL-140, ST-141, ST-153	22.61 tph	No
BC-121	Product Conveyor 2	January 2024	BL-140, ST-141, ST-153	5.02 tph	No
BC-146	Dryer Cyclone Conveyor	January 2024	BL-140, ST-141, ST-153	0.11 tph	No
BC-155	Recycle Conveyor 2	January 2024	BL-140, ST-141, ST-153	22.60 tph	No
BE-105	Screen Elevator	January 2024	BL-140, ST-141, ST-153	27.47 tph	No
BE-131	Cooler Elevator	January 2024	BL-140, ST-141, ST-153	5.07 tph	No
BE-154	Recycle Elevator	January 2024	BL-140, ST-141, ST-153	22.61 tph	No
CR-108A	Oversize Mill	January 2024	BL-140, ST-141, ST-153	2.48 tph	No
CR-108B	Oversize Mill (Spare)	January 2024	BL-140, ST-141, ST-153	0.00 tph	No
DR-100	Granulation Drum	January 2024	BL-140, ST-141, ST-153	28.08 tph	No
DR-101	Dryer Drum	January 2024	BL-140, ST-141, ST-153	27.48 tph	No
DR-120	Product Coating Drum	January 2024	BL-140, ST-141, ST-153	5.00 tph	No
DR-130	Cooler Drum	January 2024	BL-140, ST-141, ST-153	5.00 tph	No
DV-132	Bleedout Diverter	January 2024	BL-140, ST-141, ST-153	27.47 tph	No
GR-100	Granulation Drum Grizzly	January 2024	BL-140, ST-141, ST-153	28.08 tph	No
SN-106A	Oversize Screen	January 2024	BL-140, ST-141, ST-153	2.20 tph	No
SN-106B	Oversize Screen (Spare)	January 2024	BL-140, ST-141, ST-153	0.00 tph	No
SN-107A	Product Screen	January 2024	BL-140, ST-141, ST-153	12.34 tph	No
SN-107B	Product Screen (Spare)	January 2024	BL-140, ST-141, ST-153	0.00 tph	No
SP-109	Oversize Screen Splitter	January 2024	BL-140, ST-141, ST-153	2.21 tph	No
SP-110A	Product Screen Splitter	January 2024	BL-140, ST-141, ST-153	2.54 tph	No
SP-110B	Product Screen Splitter (Spare)	January 2024	BL-140, ST-141, ST-153	0.00 tph	No
BC-202	Dryer Drum Conveyor	January 2024	BL-240, ST-241, ST-253	27.48 tph	No
BC-214	Product Conveyor 1	January 2024	BL-240, ST-241, ST-253	5.07 tph	No
BC-215	Recycle Conveyor 1	January 2024	BL-240, ST-241, ST-253	22.61 tph	No
BC-221	Product Conveyor 2	January 2024	BL-240, ST-241, ST-253	5.02 tph	No
BC-246	Dryer Cyclone Conveyor	January 2024	BL-240, ST-241, ST-253	0.11 tph	No
BC-255	Recycle Conveyor 2	January 2024	BL-240, ST-241, ST-253	22.60 tph	No
BE-205	Screen Elevator	January 2024	BL-240, ST-241, ST-253	27.47 tph	No
BE-231	Cooler Elevator	January 2024	BL-240, ST-241, ST-253	5.07 tph	No
BE-254	Recycle Elevator	January 2024	BL-240, ST-241, ST-253	22.61 tph	No
CR-208A	Oversize Mill	January 2024	BL-240, ST-241, ST-253	2.48 tph	No
CR-208B	Oversize Mill (Spare)	January 2024	BL-240, ST-241, ST-253	0.00 tph	No
DR-200	Granulation Drum	January 2024	BL-240, ST-241, ST-253	28.08 tph	No
DR-201	Dryer Drum	January 2024	BL-240, ST-241, ST-253	27.48 tph	No
DR-220	Product Coating Drum	January 2024	BL-240, ST-241, ST-253	5.00 tph	No
DR-230	Cooler Drum	January 2024	BL-240, ST-241, ST-253	5.00 tph	No
DV-232	Bleedout Diverter	January 2024	BL-240, ST-241, ST-253	27.47 tph	No
GR-200	Granulation Drum Grizzly	January 2024	BL-240, ST-241, ST-253	28.08 tph	No

TABLE 4: EQUIPMENT LIST

Enter each single emission point that routes its emissions to another source (i.e., a control device) or a common stack, or is part of an Emissions Cap. List the emissions source to which each single emission point is routed or the Cap of which the source is a member, if applicable. Consult instructions.

Source ID	Description	Construction Date	Routes to:	Operating Rate/Volume	Applicable Requirement(s)?
SN-206A	Oversize Screen	January 2024	BL-240, ST-241, ST-253	2.20 tph	No
SN-206B	Oversize Screen (Spare)	January 2024	BL-240, ST-241, ST-253	0.00 tph	No
SN-207A	Product Screen	January 2024	BL-240, ST-241, ST-253	12.34 tph	No
SN-207B	Product Screen (Spare)	January 2024	BL-240, ST-241, ST-253	0.00 tph	No
SP-209	Oversize Screen Splitter	January 2024	BL-240, ST-241, ST-253	2.21 tph	No
SP-210A	Product Screen Splitter	January 2024	BL-240, ST-241, ST-253	2.54 tph	No
SP-210B	Product Screen Splitter (Spare)	January 2024	BL-240, ST-241, ST-253	0.00 tph	No

SECTION 4.0

EMISSIONS INVENTORY QUESTIONNAIRE (EIQ) FORMS

State of Louisiana

Emissions Inventory Questionnaire (EIQ) for Air Pollutants

Date of Submittal: **October 2023**

Emission Point ID No. (Designation)	Descriptive Name of the Emissions Source (Alt. Name)	Approximate Location of Stack or Vent (see instructions)
AMSPiles	AMS Piles	Method: N/A; Datum: NAD 83
TEMPO Subject Item ID No. **TBD**		UTM Zone: 15; Horizontal: 762,956 mE; Vertical: 3,317,417 mN
		Latitude: 29 degrees 57 min 34 sec 4 hundredths
		Longitude: 90 degrees 16 min 30 sec 8 hundredths

Stack and Discharge Physical Characteristics Change?	Diameter or Stack Discharge Area	Height of Stack Above Grade	Stack Gas Exit Velocity	Stack Gas Flow at Conditions, not at Standard	Stack Gas Exit Temperature	Normal Operating Time (hours per year)	Date of Construction or Modification	Percent of Annual Throughput through This Emission Point			
								Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
	N/A ft / ft²	N/A ft	N/A ft/sec	N/A ft³/min	N/A °F	8,760	2023 Proposed	25%	25%	25%	25%

Type of Fuel Used and Heat Input (see instructions)

Fuel	Type of Fuel	Heat Input (MM Btu/hr)
a		
b		
c		

Operating Parameters (include units)

	Value/Parameter	Description
Normal Operating Rate/Throughput	500,000 tpy	
Maximum Operating Rate/Throughput	125 tph	
Design Capacity/Volume		
Shell Height (ft)		
Tank Diameter (ft)		
Roof Type		
Date Engine Ordered		Engine Model Year
Date Engine Built by Manufacturer		SI Engines:

Notes

Fugitive

Air Pollutant Specific Information

Emission Point ID No. (Alternate ID): **AMSPiles**

Pollutant	Control Equipment Code	Control Equipment Efficiency	HAP/TAP CAS Number	Proposed Emission Rates: Average (lb/hr)	Maximum (lb/hr)	Annual (tons/yr)	Permitted Emission Rate (tons/yr)	Add, Change, Delete, or Unchanged	Continuous Compliance Method	Concentration in Gases Exiting at Stack
$PM_{2.5}$	054	95.0%	N/A	0.01	0.01	0.03	--	A		
PM_{10}	054	95.0%	N/A	0.09	0.09	0.18	--	A		

State of Louisiana

Emissions Inventory Questionnaire (EIQ) for Air Pollutants

Date of Submittal: **October 2023**

Emission Point ID No. (Designation)	Descriptive Name of the Emissions Source (Alt. Name)	Approximate Location of Stack or Vent (see instructions)
BR-101	Dryer Burner #1	Method: N/A; Datum: NAD 83
TEMPO Subject Item ID No.: **TBD**		UTM Zone: 15; Horizontal: 763,311 mE; Vertical: 3,317,525 mN
		Latitude: 29 degrees 57 min 37 sec 6 hundredths
		Longitude: 90 degrees 16 min 17 sec 4 hundredths

Stack and Discharge Physical Characteristics Change?	Diameter or Stack Discharge Area	Height of Stack Above Grade	Stack Gas Exit Velocity	Stack Gas Flow at Conditions, not at Standard	Stack Gas Exit Temperature	Normal Operating Time (hours per year)	Date of Construction or Modification	Percent of Annual Throughput through This Emission Point			
								Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
	2.75 ft²	116.00 ft	79.92 ft/sec	79.92 ft³/min	ambient °F	8,760	2023 Proposed	25%	25%	25%	25%

Type of Fuel Used and Heat Input (see instructions)

Fuel	Type of Fuel	Heat Input (MM Btu/hr)
a	Natural Gas	10
b		
c		

Operating Parameters (include units)

	Value/Parameter	Description
Normal Operating Rate/Throughput	10 MMBtu/hr	
Maximum Operating Rate/Throughput		
Design Capacity/Volume		
Shell Height (ft)		
Tank Diameter (ft)		
Roof Type		
Date Engine Ordered		Engine Model Year
Date Engine Built by Manufacturer		SI Engines:

Notes

Air Pollutant Specific Information

Emission Point ID No. (Alternate ID): **BR-101**

Pollutant	Control Equipment Code	Control Equipment Efficiency	HAP/TAP CAS Number	Proposed Emission Rates: Average (lb/hr)	Maximum (lb/hr)	Annual (tons/yr)	Permitted Emission Rate (tons/yr)	Add, Change, Delete, or Unchanged	Continuous Compliance Method	Concentration in Gases Exiting at Stack
$PM_{2.5}$	000		N/A	0.07	0.07	0.33	--	A		
PM_{10}	000		N/A	0.07	0.07	0.33	--	A		
SO_2	000		7446-09-5	0.01	0.01	0.03	--	A		
NOx	000		N/A	0.98	0.98	4.29	--	A		
CO	000		630-08-0	0.82	0.82	3.61	--	A		
VOC Total	000		N/A	0.05	0.05	0.24	--	A		
CO_2e	000		N/A			5,129	--	A		
n-Hexane	000		110-54-3	0.02	0.02	0.08	--	A		
Formaldehyde	000		50-00-0	<0.001	<0.001	<0.01	--	A		

State of Louisiana

Emissions Inventory Questionnaire (EIQ) for Air Pollutants

Date of Submittal: **October 2023**

Emission Point ID No. (Designation)	Descriptive Name of the Emissions Source (Alt. Name)	Approximate Location of Stack or Vent (see instructions)
BR-201	Dryer Burner #2	Method: N/A; Datum: NAD 83; UTM Zone: 15; Horizontal: 763,308 mE; Vertical: 3,317,569 mN; Latitude: 29 degrees 57 min 39 sec 0 hundredths; Longitude: 90 degrees 16 min 17 sec 5 hundredths
TEMPO Subject Item ID No.: **TBD**		

Stack and Discharge Physical Characteristics Change?	Diameter or Stack Discharge Area	Height of Stack Above Grade	Stack Gas Exit Velocity	Stack Gas Flow at Conditions, not at Standard	Stack Gas Exit Temperature	Normal Operating Time (hours per year)	Date of Construction or Modification	Percent of Annual Throughput through This Emission Point			
								Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
	2.75 ft / ft²	116.00 ft	79.92 ft/sec	79.92 ft³/min	ambient °F	8,760	2023 Proposed	25%	25%	25%	25%

Type of Fuel Used and Heat Input (see instructions)

Fuel	Type of Fuel	Heat Input (MM Btu/hr)
a	Natural Gas	10
b		
c		

Operating Parameters (include units)

	Value/Parameter	Description
Normal Operating Rate/Throughput	10 MMBtu/hr	
Maximum Operating Rate/Throughput		
Design Capacity/Volume		
Shell Height (ft)		
Tank Diameter (ft)		
Roof Type		
Date Engine Ordered		Engine Model Year
Date Engine Built by Manufacturer		SI Engines:

Notes

Air Pollutant Specific Information

Emission Point ID No. (Alternate ID): **BR-201**

Pollutant	Control Equipment Code	Control Equipment Efficiency	HAP/TAP CAS Number	Proposed Emission Rates: Average (lb/hr)	Proposed Emission Rates: Maximum (lb/hr)	Proposed Emission Rates: Annual (tons/yr)	Permitted Emission Rate (tons/yr)	Add, Change, Delete, or Unchanged	Continuous Compliance Method	Concentration in Gases Exiting at Stack
$PM_{2.5}$	000		N/A	0.07	0.07	0.33	--	A		
PM_{10}	000		N/A	0.07	0.07	0.33	--	A		
SO_2	000		7446-09-5	0.01	0.01	0.03	--	A		
NOx	000		N/A	0.98	0.98	4.29	--	A		
CO	000		630-08-0	0.82	0.82	3.61	--	A		
VOC Total	000		N/A	0.05	0.05	0.24	--	A		
CO_2e	000		N/A			5,129	--	A		
n-Hexane	000		110-54-3	0.02	0.02	0.08	--	A		
Formaldehyde	000		50-00-0	<0.001	<0.001	<0.01	--	A		

State of Louisiana

Emissions Inventory Questionnaire (EIQ) for Air Pollutants

Date of Submittal: **October 2023**

Emission Point ID No. (Designation)	Descriptive Name of the Emissions Source (Alt. Name)	Approximate Location of Stack or Vent (see instructions)
BSB-01	Surge Bin - Barge Loadout Transfer Tower	Method: N/A; Datum: NAD 83
TEMPO Subject Item ID No. **TBD**		UTM Zone 15 Horizontal 762,964 mE Vertical 3,317,776 mN
		Latitude 29 degrees 57 min 46 sec 0 hundredths
		Longitude 90 degrees 16 min 30 sec 2 hundredths

Stack and Discharge Physical Characteristics Change?	Diameter or Stack Discharge Area	Height of Stack Above Grade	Stack Gas Exit Velocity	Stack Gas Flow at Conditions, not at Standard	Stack Gas Exit Temperature	Normal Operating Time (hours per year)	Date of Construction or Modification	Percent of Annual Throughput through This Emission Point			
								Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
	N/A ft / ft²	N/A ft	N/A ft/sec	N/A ft³/min	N/A °F	8,760	2023 Proposed	25%	25%	25%	25%

Type of Fuel Used and Heat Input (see instructions)

Fuel	Type of Fuel	Heat Input (MM Btu/hr)
a		
b		
c		

Notes: Fugitive

Operating Parameters (include units)

	Value/Parameter	Description
Normal Operating Rate/Throughput	441,000 tpy	
Maximum Operating Rate/Throughput	800 tph	
Design Capacity/Volume		
Shell Height (ft)		
Tank Diameter (ft)		
Roof Type		
Date Engine Ordered		Engine Model Year
Date Engine Built by Manufacturer		SI Engines:

Air Pollutant Specific Information

Emission Point ID No. (Alternate ID): **BSB-01**

Pollutant	Control Equipment Code	Control Equipment Efficiency	HAP/TAP CAS Number	Proposed Emission Rates: Average (lb/hr)	Maximum (lb/hr)	Annual (tons/yr)	Permitted Emission Rate (tons/yr)	Add, Change, Delete, or Unchanged	Continuous Compliance Method	Concentration in Gases Exiting at Stack
$PM_{2.5}$	054	95.0%	N/A	0.09	0.09	0.02	--	A		
PM_{10}	054	95.0%	N/A	0.58	0.58	0.16	--	A		

State of Louisiana

Emissions Inventory Questionnaire (EIQ) for Air Pollutants

Date of Submittal: **October 2023**

Emission Point ID No. (Designation)	Descriptive Name of the Emissions Source (Alt. Name)	Approximate Location of Stack or Vent (see instructions)
FUG	Ammonia fugitives (piping)	Method: N/A; Datum: NAD 83; UTM Zone 15 Horizontal 763,299 mE; Vertical 3,317,602 mN; Latitude 29 degrees 57 min 40 sec 61 hundredths; Longitude 0 degrees 5400 min -324960 sec -3249900 hundredths
TEMPO Subject Item ID No.: **TBD**		

Stack and Discharge Physical Characteristics Change?	Diameter or Stack Discharge Area	Height of Stack Above Grade	Stack Gas Exit Velocity	Stack Gas Flow at Conditions, not at Standard	Stack Gas Exit Temperature	Normal Operating Time (hours per year)	Date of Construction or Modification	Percent of Annual Throughput through This Emission Point			
								Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
	N/A ft / ft²	N/A ft	N/A ft/sec	N/A ft³/min	N/A °F	8,760	2023 Proposed	25%	25%	25%	25%

Type of Fuel Used and Heat Input (see instructions)		
Fuel	Type of Fuel	Heat Input (MM Btu/hr)
a		
b		
c		

Operating Parameters (include units)		
	Value/Parameter	Description
Normal Operating Rate/Throughput		
Maximum Operating Rate/Throughput		
Design Capacity/Volume		
Shell Height (ft)		
Tank Diameter (ft)		
Roof Type		
Date Engine Ordered		Engine Model Year
Date Engine Built by Manufacturer		SI Engines:

Notes: Fugitive

Air Pollutant Specific Information

Emission Point ID No. (Alternate ID)	Control Equipment Code	Control Equipment Efficiency	HAP/TAP CAS Number	Proposed Emission Rates			Permitted Emission Rate (tons/yr)	Add, Change, Delete, or Unchanged	Continuous Compliance Method	Concentration in Gases Exiting at Stack
				Average (lb/hr)	Maximum (lb/hr)	Annual (tons/yr)				
FUG										
Pollutant										
Ammonia	018	N/A	7664-41-7	0.001	0.001	0.006	--	A		

State of Louisiana

Emissions Inventory Questionnaire (EIQ) for Air Pollutants

Date of Submittal: **October 2023**

Emission Point ID No. (Designation)	Descriptive Name of the Emissions Source (Alt. Name)	Approximate Location of Stack or Vent (see instructions)
GP1-Fug	Fugitive Emissions from Granulation Plant #1	Method: N/A; Datum: NAD 83; UTM Zone: 15; Horizontal: 762,956 mE; Vertical: 3,317,417 mN; Latitude: 29 degrees 57 min 34 sec 4 hundredths; Longitude: 90 degrees 16 min 30 sec 8 hundredths
TEMPO Subject Item ID No.: **TBD**		

Stack and Discharge Physical Characteristics Change?	Diameter or Stack Discharge Area	Height of Stack Above Grade	Stack Gas Exit Velocity	Stack Gas Flow at Conditions, not at Standard	Stack Gas Exit Temperature	Normal Operating Time (hours per year)	Date of Construction or Modification	Percent of Annual Throughput through This Emission Point			
								Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
	N/A ft / ft²	N/A ft	N/A ft/sec	N/A ft³/min	ambient °F	8,760	2023 Proposed	25%	25%	25%	25%

Type of Fuel Used and Heat Input (see instructions)		
Fuel	Type of Fuel	Heat Input (MM Btu/hr)
a		
b		
c		

Operating Parameters (include units)		
	Value/Parameter	Description
Normal Operating Rate/Throughput		
Maximum Operating Rate/Throughput		
Design Capacity/Volume		
Shell Height (ft)		
Tank Diameter (ft)		
Roof Type		
Date Engine Ordered		Engine Model Year
Date Engine Built by Manufacturer		SI Engines:

Notes: Fugitive

Air Pollutant Specific Information

Emission Point ID No. (Alternate ID): **GP1-Fug**

Pollutant	Control Equipment Code	Control Equipment Efficiency	HAP/TAP CAS Number	Proposed Emission Rates: Average (lb/hr)	Maximum (lb/hr)	Annual (tons/yr)	Permitted Emission Rate (tons/yr)	Add, Change, Delete, or Unchanged	Continuous Compliance Method	Concentration in Gases Exiting at Stack
$PM_{2.5}$			N/A	<0.001	<0.001	<0.01	--	A		
PM_{10}			N/A	0.004	0.004	0.02	--	A		

State of Louisiana

Emissions Inventory Questionnaire (EIQ) for Air Pollutants

Date of Submittal: **October 2023**

Emission Point ID No. (Designation)	Descriptive Name of the Emissions Source (Alt. Name)	Approximate Location of Stack or Vent (see instructions)
GP2-Fug	Fugitive Emissions from Granulation Plant #2	Method: N/A; Datum: NAD 83; UTM Zone: 15; Horizontal: 762,956 mE; Vertical: 3,317,417 mN; Latitude: 29 degrees 57 min 34 sec 4 hundredths; Longitude: 90 degrees 16 min 30 sec 8 hundredths
TEMPO Subject Item ID No.: **TBD**		

Stack and Discharge Physical Characteristics Change?	Diameter or Stack Discharge Area	Height of Stack Above Grade	Stack Gas Exit Velocity	Stack Gas Flow at Conditions, not at Standard	Stack Gas Exit Temperature	Normal Operating Time (hours per year)	Date of Construction or Modification	Percent of Annual Throughput through This Emission Point			
								Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
	N/A ft / ft²	N/A ft	N/A ft/sec	N/A ft³/min	ambient °F	8,760	2023 Proposed	25%	25%	25%	25%

Type of Fuel Used and Heat Input (see instructions)			Operating Parameters (include units)		
Fuel	Type of Fuel	Heat Input (MM Btu/hr)		Value/Parameter	Description
a			Normal Operating Rate/Throughput		
b			Maximum Operating Rate/Throughput		
c			Design Capacity/Volume		
Notes			Shell Height (ft)		
Fugitive			Tank Diameter (ft)		
			Roof Type		
			Date Engine Ordered		Engine Model Year
			Date Engine Built by Manufacturer		SI Engines:

Air Pollutant Specific Information

Emission Point ID No. (Alternate ID): **GP2-Fug** / Pollutant	Control Equipment Code	Control Equipment Efficiency	HAP/TAP CAS Number	Proposed Emission Rates: Average (lb/hr)	Maximum (lb/hr)	Annual (tons/yr)	Permitted Emission Rate (tons/yr)	Add, Change, Delete, or Unchanged	Continuous Compliance Method	Concentration in Gases Exiting at Stack
$PM_{2.5}$			N/A	<0.001	<0.001	<0.01	--	A		
PM_{10}			N/A	0.004	0.004	0.02	--	A		

State of Louisiana

Emissions Inventory Questionnaire (EIQ) for Air Pollutants

Date of Submittal: **October 2023**

Emission Point ID No. (Designation)	Descriptive Name of the Emissions Source (Alt. Name)	Approximate Location of Stack or Vent (see instructions)
SBC-01	Belt Conveyor - Granulators - Receiving Conveyor from Process	Method: N/A; Datum: NAD 83; UTM Zone: 15; Horizontal: 763,285 mE; Vertical: 3,317,520 mN; Latitude: 29 degrees 57 min 37 sec 5 hundredths; Longitude: 90 degrees 16 min 18 sec 4 hundredths
TEMPO Subject Item ID No.: **TBD**		

Stack and Discharge Physical Characteristics Change?	Diameter or Stack Discharge Area	Height of Stack Above Grade	Stack Gas Exit Velocity	Stack Gas Flow at Conditions, not at Standard	Stack Gas Exit Temperature	Normal Operating Time (hours per year)	Date of Construction or Modification	Percent of Annual Throughput through This Emission Point			
								Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
	N/A ft / ft²	N/A ft	N/A ft/sec	N/A ft³/min	N/A °F	8,760	2023 Proposed	25%	25%	25%	25%

Type of Fuel Used and Heat Input (see instructions)

Fuel	Type of Fuel	Heat Input (MM Btu/hr)
a		
b		
c		

Operating Parameters (include units)

	Value/Parameter	Description
Normal Operating Rate/Throughput	500,000 tpy	
Maximum Operating Rate/Throughput	125 tph	
Design Capacity/Volume		
Shell Height (ft)		
Tank Diameter (ft)		
Roof Type		
Date Engine Ordered		Engine Model Year
Date Engine Built by Manufacturer		SI Engines:

Notes: Fugitive

Air Pollutant Specific Information

Emission Point ID No. (Alternate ID): **SBC-01**

Pollutant	Control Equipment Code	Control Equipment Efficiency	HAP/TAP CAS Number	Proposed Emission Rates: Average (lb/hr)	Maximum (lb/hr)	Annual (tons/yr)	Permitted Emission Rate (tons/yr)	Add, Change, Delete, or Unchanged	Continuous Compliance Method	Concentration in Gases Exiting at Stack
$PM_{2.5}$	054	95.0%	N/A	0.01	0.01	0.03	--	A		
PM_{10}	054	95.0%	N/A	0.09	0.09	0.18	--	A		

State of Louisiana

Emissions Inventory Questionnaire (EIQ) for Air Pollutants

Date of Submittal: **October 2023**

Emission Point ID No. (Designation)	Descriptive Name of the Emissions Source (Alt. Name)	Approximate Location of Stack or Vent (see instructions)
SBC-02	Belt Conveyor - Granulators - Transfer from Process to Terminal	Method: N/A; Datum: NAD 83
TEMPO Subject Item ID No. **TBD**		UTM Zone 15 Horizontal 763,282 mE Vertical 3,317,564 mN
		Latitude 29 degrees 57 min 38 sec 9 hundredths
		Longitude 90 degrees 16 min 18 sec 5 hundredths

Stack and Discharge Physical Characteristics Change?	Diameter or Stack Discharge Area	Height of Stack Above Grade	Stack Gas Exit Velocity	Stack Gas Flow at Conditions, not at Standard	Stack Gas Exit Temperature	Normal Operating Time (hours per year)	Date of Construction or Modification	Percent of Annual Throughput through This Emission Point			
								Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
	N/A ft / ft²	N/A ft	N/A ft/sec	N/A ft³/min	N/A °F	8,760	2023 Proposed	25%	25%	25%	25%

Type of Fuel Used and Heat Input (see instructions)

Fuel	Type of Fuel	Heat Input (MM Btu/hr)
a		
b		
c		

Notes

Fugitive

Operating Parameters (include units)

	Value/Parameter	Description
Normal Operating Rate/Throughput	500,000 tpy	
Maximum Operating Rate/Throughput	125 tph	
Design Capacity/Volume		
Shell Height (ft)		
Tank Diameter (ft)		
Roof Type		
Date Engine Ordered		Engine Model Year
Date Engine Built by Manufacturer		SI Engines:

Air Pollutant Specific Information

Emission Point ID No. (Alternate ID): **SBC-02**

Pollutant	Control Equipment Code	Control Equipment Efficiency	HAP/TAP CAS Number	Proposed Emission Rates: Average (lb/hr)	Maximum (lb/hr)	Annual (tons/yr)	Permitted Emission Rate (tons/yr)	Add, Change, Delete, or Unchanged	Continuous Compliance Method	Concentration in Gases Exiting at Stack
$PM_{2.5}$	054	95.0%	N/A	0.01	0.01	0.03	--	A		
PM_{10}	054	95.0%	N/A	0.09	0.09	0.18	--	A		

State of Louisiana

Emissions Inventory Questionnaire (EIQ) for Air Pollutants

Date of Submittal: **October 2023**

Emission Point ID No. (Designation)	Descriptive Name of the Emissions Source (Alt. Name)	Approximate Location of Stack or Vent (see instructions)
SBC-03	Belt Conveyors	Method: N/A; Datum: NAD 83
TEMPO Subject Item ID No. **TBD**		UTM Zone 15 Horizontal 762,958 mE; Vertical 3,317,387 mN
		Latitude 29 degrees 57 min 33 sec 4 hundredths
		Longitude 90 degrees 16 min 30 sec 7 hundredths

Stack and Discharge Physical Characteristics Change?	Diameter or Stack Discharge Area	Height of Stack Above Grade	Stack Gas Exit Velocity	Stack Gas Flow at Conditions, not at Standard	Stack Gas Exit Temperature	Normal Operating Time (hours per year)	Date of Construction or Modification	Percent of Annual Throughput through This Emission Point			
								Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
	N/A ft / ft²	N/A ft	N/A ft/sec	N/A ft³/min	N/A °F	8,760	2023 Proposed	25%	25%	25%	25%

Type of Fuel Used and Heat Input (see instructions)

Fuel	Type of Fuel	Heat Input (MM Btu/hr)
a		
b		
c		

Operating Parameters (include units)

	Value/Parameter	Description
Normal Operating Rate/Throughput	500,000 tpy	
Maximum Operating Rate/Throughput	125 tph	
Design Capacity/Volume		
Shell Height (ft)		
Tank Diameter (ft)		
Roof Type		
Date Engine Ordered		Engine Model Year
Date Engine Built by Manufacturer		SI Engines:

Notes

Fugitive

Air Pollutant Specific Information

Emission Point ID No. (Alternate ID): **SBC-03**

Pollutant	Control Equipment Code	Control Equipment Efficiency	HAP/TAP CAS Number	Proposed Emission Rates: Average (lb/hr)	Proposed Emission Rates: Maximum (lb/hr)	Proposed Emission Rates: Annual (tons/yr)	Permitted Emission Rate (tons/yr)	Add, Change, Delete, or Unchanged	Continuous Compliance Method	Concentration in Gases Exiting at Stack
$PM_{2.5}$	054	95.0%	N/A	0.01	0.01	0.03	--	A		
PM_{10}	054	95.0%	N/A	0.09	0.09	0.18	--	A		

State of Louisiana

Emissions Inventory Questionnaire (EIQ) for Air Pollutants

Date of Submittal: **October 2023**

Emission Point ID No. (Designation)	Descriptive Name of the Emissions Source (Alt. Name)	Approximate Location of Stack or Vent (see instructions)
SBC-04a,b	Belt Conveyors	Method: N/A; Datum: NAD 83; UTM Zone: 15; Horizontal: 762,956 mE; Vertical: 3,317,417 mN; Latitude: 29 degrees 57 min 34 sec 4 hundredths; Longitude: 90 degrees 16 min 30 sec 8 hundredths
TEMPO Subject Item ID No.: **TBD**		

Stack and Discharge Physical Characteristics Change?	Diameter or Stack Discharge Area	Height of Stack Above Grade	Stack Gas Exit Velocity	Stack Gas Flow at Conditions, not at Standard	Stack Gas Exit Temperature	Normal Operating Time (hours per year)	Date of Construction or Modification	Percent of Annual Throughput through This Emission Point			
								Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
	N/A ft / ft²	N/A ft	N/A ft/sec	N/A ft³/min	N/A °F	8,760	2023 Proposed	25%	25%	25%	25%

Type of Fuel Used and Heat Input (see instructions)

Fuel	Type of Fuel	Heat Input (MM Btu/hr)
a		
b		
c		

Notes: Fugitive

Operating Parameters (include units)

	Value/Parameter	Description
Normal Operating Rate/Throughput	500,000 tpy	
Maximum Operating Rate/Throughput	125 tph	
Design Capacity/Volume		
Shell Height (ft)		
Tank Diameter (ft)		
Roof Type		
Date Engine Ordered		Engine Model Year
Date Engine Built by Manufacturer		SI Engines:

Air Pollutant Specific Information

Emission Point ID No. (Alternate ID): **SBC-04a,b**

Pollutant	Control Equipment Code	Control Equipment Efficiency	HAP/TAP CAS Number	Proposed Emission Rates: Average (lb/hr)	Proposed Emission Rates: Maximum (lb/hr)	Proposed Emission Rates: Annual (tons/yr)	Permitted Emission Rate (tons/yr)	Add, Change, Delete, or Unchanged	Continuous Compliance Method	Concentration in Gases Exiting at Stack
$PM_{2.5}$	054	95.0%	N/A	0.09	0.09	0.01	--	A		
PM_{10}	054	95.0%	N/A	0.58	0.58	0.03	--	A		

State of Louisiana

Emissions Inventory Questionnaire (EIQ) for Air Pollutants

Date of Submittal: **October 2023**

Emission Point ID No. (Designation)	Descriptive Name of the Emissions Source (Alt. Name)	Approximate Location of Stack or Vent (see instructions)
SBC-05	Belt Conveyor - Belt Transfer to AMS STL-01 Loadout	Method: N/A; Datum: NAD 83; UTM Zone: 15; Horizontal: 762,956 mE; Vertical: 3,317,417 mN; Latitude: 29 degrees 57 min 34 sec 4 hundredths; Longitude: 90 degrees 16 min 30 sec 8 hundredths
TEMPO Subject Item ID No.: **TBD**		

Stack and Discharge Physical Characteristics Change?	Diameter or Stack Discharge Area	Height of Stack Above Grade	Stack Gas Exit Velocity	Stack Gas Flow at Conditions, not at Standard	Stack Gas Exit Temperature	Normal Operating Time (hours per year)	Date of Construction or Modification	Percent of Annual Throughput through This Emission Point			
								Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
	N/A ft / ft²	N/A ft	N/A ft/sec	N/A ft³/min	N/A °F	8,760	2023 Proposed	25%	25%	25%	25%

Type of Fuel Used and Heat Input (see instructions)

Fuel	Type of Fuel	Heat Input (MM Btu/hr)
a		
b		
c		

Operating Parameters (include units)

	Value/Parameter	Description
Normal Operating Rate/Throughput	94,500 tpy	
Maximum Operating Rate/Throughput	800 tph	
Design Capacity/Volume		
Shell Height (ft)		
Tank Diameter (ft)		
Roof Type		
Date Engine Ordered		Engine Model Year
Date Engine Built by Manufacturer		SI Engines:

Notes: Fugitive

Air Pollutant Specific Information

Emission Point ID No. (Alternate ID): **SBC-05**

Pollutant	Control Equipment Code	Control Equipment Efficiency	HAP/TAP CAS Number	Proposed Emission Rates: Average (lb/hr)	Proposed Emission Rates: Maximum (lb/hr)	Proposed Emission Rates: Annual (tons/yr)	Permitted Emission Rate (tons/yr)	Add, Change, Delete, or Unchanged	Continuous Compliance Method	Concentration in Gases Exiting at Stack
$PM_{2.5}$	058	95.0%	N/A	0.09	0.09	0.01	--	A		
PM_{10}	058	95.0%	N/A	0.58	0.58	0.03	--	A		

State of Louisiana

Emissions Inventory Questionnaire (EIQ) for Air Pollutants

Date of Submittal: **October 2023**

Emission Point ID No. (Designation)	Descriptive Name of the Emissions Source (Alt. Name)	Approximate Location of Stack or Vent (see instructions)
SBC-06	Belt Conveyor - Reclaim Belt Conveyor for Barge Loadout	Method: N/A; Datum: NAD 83
TEMPO Subject Item ID No. **TBD**		UTM Zone 15 Horizontal 762,956 mE Vertical 3,317,417 mN
		Latitude 29 degrees 57 min 34 sec 4 hundredths
		Longitude 90 degrees 16 min 30 sec 8 hundredths

Stack and Discharge Physical Characteristics Change?	Diameter or Stack Discharge Area	Height of Stack Above Grade	Stack Gas Exit Velocity	Stack Gas Flow at Conditions, not at Standard	Stack Gas Exit Temperature	Normal Operating Time (hours per year)	Date of Construction or Modification	Percent of Annual Throughput through This Emission Point			
								Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
	N/A ft / ft²	N/A ft	N/A ft/sec	N/A ft³/min	N/A °F	8,760	2023 Proposed	25%	25%	25%	25%

Type of Fuel Used and Heat Input (see instructions)

Fuel	Type of Fuel	Heat Input (MM Btu/hr)
a		
b		
c		

Notes

Fugitive

Operating Parameters (include units)

	Value/Parameter	Description
Normal Operating Rate/Throughput	441,000 tpy	
Maximum Operating Rate/Throughput	800 tph	
Design Capacity/Volume		
Shell Height (ft)		
Tank Diameter (ft)		
Roof Type		
Date Engine Ordered		Engine Model Year
Date Engine Built by Manufacturer		SI Engines:

Air Pollutant Specific Information

Emission Point ID No. (Alternate ID) **SBC-06** / Pollutant	Control Equipment Code	Control Equipment Efficiency	HAP/TAP CAS Number	Proposed Emission Rates: Average (lb/hr)	Maximum (lb/hr)	Annual (tons/yr)	Permitted Emission Rate (tons/yr)	Add, Change, Delete, or Unchanged	Continuous Compliance Method	Concentration in Gases Exiting at Stack
$PM_{2.5}$	054	95.0%	N/A	0.09	0.09	0.02	--	A		
PM_{10}	054	95.0%	N/A	0.58	0.58	0.16	--	A		

State of Louisiana

Emissions Inventory Questionnaire (EIQ) for Air Pollutants

Date of Submittal: **October 2023**

Emission Point ID No. (Designation)	Descriptive Name of the Emissions Source (Alt. Name)	Approximate Location of Stack or Vent (see instructions)
SBC-07	Belt Conveyor - Transfer to Barge Loading	Method: N/A; Datum: NAD 83; UTM Zone: 15; Horizontal: 762,964 mE; Vertical: 3,317,776 mN; Latitude: 29 degrees 57 min 46 sec 0 hundredths; Longitude: 90 degrees 16 min 30 sec 2 hundredths
TEMPO Subject Item ID No.: **TBD**		

Stack and Discharge Physical Characteristics Change?	Diameter or Stack Discharge Area	Height of Stack Above Grade	Stack Gas Exit Velocity	Stack Gas Flow at Conditions, not at Standard	Stack Gas Exit Temperature	Normal Operating Time (hours per year)	Date of Construction or Modification	Percent of Annual Throughput through This Emission Point			
								Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
	N/A ft / ft²	N/A ft	N/A ft/sec	N/A ft³/min	N/A °F	8,760	2023 Proposed	25%	25%	25%	25%

Type of Fuel Used and Heat Input (see instructions)

Fuel	Type of Fuel	Heat Input (MM Btu/hr)
a		
b		
c		

Operating Parameters (include units)

	Value/Parameter	Description
Normal Operating Rate/Throughput	441,000 tpy	
Maximum Operating Rate/Throughput	800 tph	
Design Capacity/Volume		
Shell Height (ft)		
Tank Diameter (ft)		
Roof Type		
Date Engine Ordered		Engine Model Year
Date Engine Built by Manufacturer		SI Engines:

Notes: Fugitive

Air Pollutant Specific Information

Emission Point ID No. (Alternate ID): **SBC-07**

Pollutant	Control Equipment Code	Control Equipment Efficiency	HAP/TAP CAS Number	Proposed Emission Rates: Average (lb/hr)	Proposed Emission Rates: Maximum (lb/hr)	Proposed Emission Rates: Annual (tons/yr)	Permitted Emission Rate (tons/yr)	Add, Change, Delete, or Unchanged	Continuous Compliance Method	Concentration in Gases Exiting at Stack
$PM_{2.5}$	054	95.0%	N/A	0.09	0.09	0.02	--	A		
PM_{10}	054	95.0%	N/A	0.58	0.58	0.16	--	A		

State of Louisiana

Emissions Inventory Questionnaire (EIQ) for Air Pollutants

Date of Submittal: **October 2023**

Emission Point ID No. (Designation)	Descriptive Name of the Emissions Source (Alt. Name)	Approximate Location of Stack or Vent (see instructions)
SBC-08	Belt Conveyor - Shuttle Conveyor for Barge Loading	Method: N/A; Datum: NAD 83; UTM Zone: 15; Horizontal: 762,891 mE; Vertical: 3,317,964 mN; Latitude: 29 degrees 57 min 52 sec 2 hundredths; Longitude: 90 degrees 16 min 32 sec 7 hundredths
TEMPO Subject Item ID No.: **TBD**		

Stack and Discharge Physical Characteristics Change?	Diameter or Stack Discharge Area	Height of Stack Above Grade	Stack Gas Exit Velocity	Stack Gas Flow at Conditions, not at Standard	Stack Gas Exit Temperature	Normal Operating Time (hours per year)	Date of Construction or Modification	Percent of Annual Throughput through This Emission Point			
								Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
	N/A ft / ft²	N/A ft	N/A ft/sec	N/A ft³/min	N/A °F	8,760	2023 Proposed	25%	25%	25%	25%

Type of Fuel Used and Heat Input (see instructions)

Fuel	Type of Fuel	Heat Input (MM Btu/hr)
a		
b		
c		

Notes: Fugitive

Operating Parameters (include units)

	Value/Parameter	Description
Normal Operating Rate/Throughput	441,000 tpy	
Maximum Operating Rate/Throughput	800 tph	
Design Capacity/Volume		
Shell Height (ft)		
Tank Diameter (ft)		
Roof Type		
Date Engine Ordered		Engine Model Year
Date Engine Built by Manufacturer		SI Engines:

Air Pollutant Specific Information

Emission Point ID No. (Alternate ID): **SBC-08**

Pollutant	Control Equipment Code	Control Equipment Efficiency	HAP/TAP CAS Number	Proposed Emission Rates: Average (lb/hr)	Proposed Emission Rates: Maximum (lb/hr)	Proposed Emission Rates: Annual (tons/yr)	Permitted Emission Rate (tons/yr)	Add, Change, Delete, or Unchanged	Continuous Compliance Method	Concentration in Gases Exiting at Stack
$PM_{2.5}$	054	95.0%	N/A	0.09	0.09	0.02	--	A		
PM_{10}	054	95.0%	N/A	0.58	0.58	0.16	--	A		

State of Louisiana

Emissions Inventory Questionnaire (EIQ) for Air Pollutants

Date of Submittal: **October 2023**

Emission Point ID No. (Designation)	Descriptive Name of the Emissions Source (Alt. Name)	Approximate Location of Stack or Vent (see instructions)
SBE-01	Bucket Elevator to AMS STL-01 Loadout	Method: N/A; Datum: NAD 83
TEMPO Subject Item ID No.: **TBD**		UTM Zone: 15 Horizontal: 763,022 mE Vertical: 3,317,388 mN
		Latitude: 29 degrees 57 min 33 sec 4 hundredths
		Longitude: 90 degrees 16 min 28 sec 3 hundredths

Stack and Discharge Physical Characteristics Change?	Diameter or Stack Discharge Area	Height of Stack Above Grade	Stack Gas Exit Velocity	Stack Gas Flow at Conditions, not at Standard	Stack Gas Exit Temperature	Normal Operating Time (hours per year)	Date of Construction or Modification	Percent of Annual Throughput through This Emission Point			
								Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
	N/A ft / ft²	N/A ft	N/A ft/sec	N/A ft³/min	N/A °F	8,760	2023 Proposed	25%	25%	25%	25%

Type of Fuel Used and Heat Input (see instructions)

Fuel	Type of Fuel	Heat Input (MM Btu/hr)
a		
b		
c		

Operating Parameters (include units)

	Value/Parameter	Description
Normal Operating Rate/Throughput	189,000 tpy	
Maximum Operating Rate/Throughput	800 tph	
Design Capacity/Volume		
Shell Height (ft)		
Tank Diameter (ft)		
Roof Type		
Date Engine Ordered		Engine Model Year
Date Engine Built by Manufacturer		SI Engines:

Notes

Fugitive

Air Pollutant Specific Information

Emission Point ID No. (Alternate ID): **SBE-01**

Pollutant	Control Equipment Code	Control Equipment Efficiency	HAP/TAP CAS Number	Proposed Emission Rates: Average (lb/hr)	Proposed Emission Rates: Maximum (lb/hr)	Proposed Emission Rates: Annual (tons/yr)	Permitted Emission Rate (tons/yr)	Add, Change, Delete, or Unchanged	Continuous Compliance Method	Concentration in Gases Exiting at Stack
$PM_{2.5}$	054	95.0%	N/A	0.09	0.09	0.01	--	A		
PM_{10}	054	95.0%	N/A	0.58	0.58	0.07	--	A		

State of Louisiana

Emissions Inventory Questionnaire (EIQ) for Air Pollutants

Date of Submittal: **October 2023**

Emission Point ID No. (Designation)	Descriptive Name of the Emissions Source (Alt. Name)	Approximate Location of Stack or Vent (see instructions)
SBE-02	Bucket Elevator to AMS STL-02 Loadout	Method: N/A; Datum: NAD 83
TEMPO Subject Item ID No. **TBD**		UTM Zone 15 Horizontal 762,990 mE Vertical 3,317,519 mN
		Latitude 29 degrees 57 min 37 sec 7 hundredths
		Longitude 90 degrees 16 min 29 sec 4 hundredths

Stack and Discharge Physical Characteristics Change?	Diameter or Stack Discharge Area	Height of Stack Above Grade	Stack Gas Exit Velocity	Stack Gas Flow at Conditions, not at Standard	Stack Gas Exit Temperature	Normal Operating Time (hours per year)	Date of Construction or Modification	Percent of Annual Throughput through This Emission Point			
								Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
	N/A ft / ft²	N/A ft	N/A ft/sec	N/A ft³/min	N/A °F	8,760	2023 Proposed	25%	25%	25%	25%

Type of Fuel Used and Heat Input (see instructions)

Fuel	Type of Fuel	Heat Input (MM Btu/hr)
a		
b		
c		

Notes

Fugitive

Operating Parameters (include units)

	Value/Parameter	Description
Normal Operating Rate/Throughput	189,000 tpy	
Maximum Operating Rate/Throughput	800 tph	
Design Capacity/Volume		
Shell Height (ft)		
Tank Diameter (ft)		
Roof Type		
Date Engine Ordered		Engine Model Year
Date Engine Built by Manufacturer		SI Engines:

Air Pollutant Specific Information

Emission Point ID No. (Alternate ID): **SBE-02**

Pollutant	Control Equipment Code	Control Equipment Efficiency	HAP/TAP CAS Number	Proposed Emission Rates: Average (lb/hr)	Maximum (lb/hr)	Annual (tons/yr)	Permitted Emission Rate (tons/yr)	Add, Change, Delete, or Unchanged	Continuous Compliance Method	Concentration in Gases Exiting at Stack
$PM_{2.5}$	054	95.0%	N/A	0.09	0.09	0.01	--	A		
PM_{10}	054	95.0%	N/A	0.58	0.58	0.07	--	A		

State of Louisiana

Emissions Inventory Questionnaire (EIQ) for Air Pollutants

Date of Submittal: **October 2023**

Emission Point ID No. (Designation)	Descriptive Name of the Emissions Source (Alt. Name)	Approximate Location of Stack or Vent (see instructions)
SBL-01	Barge Loader	Method: N/A; Datum: NAD 83; UTM Zone: 15; Horizontal: 762,891 mE; Vertical: 3,317,964 mN; Latitude: 29 degrees 57 min 52 sec 2 hundredths; Longitude: 90 degrees 16 min 32 sec 7 hundredths
TEMPO Subject Item ID No.: **TBD**		

Stack and Discharge Physical Characteristics Change?	Diameter or Stack Discharge Area	Height of Stack Above Grade	Stack Gas Exit Velocity	Stack Gas Flow at Conditions, not at Standard	Stack Gas Exit Temperature	Normal Operating Time (hours per year)	Date of Construction or Modification	Percent of Annual Throughput through This Emission Point			
								Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
	N/A ft / ft²	N/A ft	N/A ft/sec	N/A ft³/min	N/A °F	8,760	2023 Proposed	25%	25%	25%	25%

Type of Fuel Used and Heat Input (see instructions)

Fuel	Type of Fuel	Heat Input (MM Btu/hr)
a		
b		
c		

Notes: Fugitive

Operating Parameters (include units)

	Value/Parameter	Description
Normal Operating Rate/Throughput	441,000 tpy	
Maximum Operating Rate/Throughput	800 tph	
Design Capacity/Volume		
Shell Height (ft)		
Tank Diameter (ft)		
Roof Type		
Date Engine Ordered		Engine Model Year
Date Engine Built by Manufacturer		SI Engines:

Air Pollutant Specific Information

Emission Point ID No. (Alternate ID): **SBL-01**

Pollutant	Control Equipment Code	Control Equipment Efficiency	HAP/TAP CAS Number	Proposed Emission Rates: Average (lb/hr)	Proposed Emission Rates: Maximum (lb/hr)	Proposed Emission Rates: Annual (tons/yr)	Permitted Emission Rate (tons/yr)	Add, Change, Delete, or Unchanged	Continuous Compliance Method	Concentration in Gases Exiting at Stack
$PM_{2.5}$	054	95.0%	N/A	0.09	0.09	0.02	--	A		
PM_{10}	054	95.0%	N/A	0.58	0.58	0.16	--	A		

State of Louisiana

Emissions Inventory Questionnaire (EIQ) for Air Pollutants

Date of Submittal: **October 2023**

Emission Point ID No. (Designation)	Descriptive Name of the Emissions Source (Alt. Name)	Approximate Location of Stack or Vent (see instructions)
SBT-1,2,3,4	Bulk Toters	Method: N/A; Datum: NAD 83
TEMPO Subject Item ID No.		UTM Zone: 15 Horizontal: 762,956 mE Vertical: 3,317,417 mN
TBD		Latitude: 29 degrees 57 min 34 sec 4 hundredths
		Longitude: 90 degrees 16 min 30 sec 8 hundredths

Stack and Discharge Physical Characteristics Change?	Diameter or Stack Discharge Area	Height of Stack Above Grade	Stack Gas Exit Velocity	Stack Gas Flow at Conditions, not at Standard	Stack Gas Exit Temperature	Normal Operating Time (hours per year)	Date of Construction or Modification	Percent of Annual Throughput through This Emission Point			
								Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
	N/A ft / ft²	N/A ft	N/A ft/sec	N/A ft³/min	N/A °F	8,760	2023 Proposed	25%	25%	25%	25%

Type of Fuel Used and Heat Input (see instructions)

Fuel	Type of Fuel	Heat Input (MM Btu/hr)
a		
b		
c		

Operating Parameters (include units)

	Value/Parameter	Description
Normal Operating Rate/Throughput	500,000 tpy	
Maximum Operating Rate/Throughput	800 tph	
Design Capacity/Volume		
Shell Height (ft)		
Tank Diameter (ft)		
Roof Type		
Date Engine Ordered		Engine Model Year
Date Engine Built by Manufacturer		SI Engines:

Notes: Fugitive

Air Pollutant Specific Information

Emission Point ID No. (Alternate ID): **SBT-1,2,3,4**

Pollutant	Control Equipment Code	Control Equipment Efficiency	HAP/TAP CAS Number	Proposed Emission Rates: Average (lb/hr)	Proposed Emission Rates: Maximum (lb/hr)	Proposed Emission Rates: Annual (tons/yr)	Permitted Emission Rate (tons/yr)	Add, Change, Delete, or Unchanged	Continuous Compliance Method	Concentration in Gases Exiting at Stack
$PM_{2.5}$	054	95.0%	N/A	0.09	0.09	0.03	--	A		
PM_{10}	054	95.0%	N/A	0.58	0.58	0.18	--	A		

State of Louisiana

Emissions Inventory Questionnaire (EIQ) for Air Pollutants

Date of Submittal: **October 2023**

Emission Point ID No. (Designation)	Descriptive Name of the Emissions Source (Alt. Name)	Approximate Location of Stack or Vent (see instructions)
SDC-1,2,3,4	Drag Conveyors	Method: N/A; Datum: NAD 83
TEMPO Subject Item ID No.		UTM Zone: 15 Horizontal: 762,956 mE Vertical: 3,317,417 mN
TBD		Latitude: 29 degrees 57 min 34 sec 4 hundredths
		Longitude: 90 degrees 16 min 30 sec 8 hundredths

Stack and Discharge Physical Characteristics Change?	Diameter or Stack Discharge Area	Height of Stack Above Grade	Stack Gas Exit Velocity	Stack Gas Flow at Conditions, not at Standard	Stack Gas Exit Temperature	Normal Operating Time (hours per year)	Date of Construction or Modification	Percent of Annual Throughput through This Emission Point			
								Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
	N/A ft / ft²	N/A ft	N/A ft/sec	N/A ft³/min	N/A °F	8,760	2023 Proposed	25%	25%	25%	25%

Type of Fuel Used and Heat Input (see instructions)		
Fuel	Type of Fuel	Heat Input (MM Btu/hr)
a		
b		
c		

Operating Parameters (include units)		
	Value/Parameter	Description
Normal Operating Rate/Throughput	500,000 tpy	
Maximum Operating Rate/Throughput	800 tph	
Design Capacity/Volume		
Shell Height (ft)		
Tank Diameter (ft)		
Roof Type		
Date Engine Ordered		Engine Model Year
Date Engine Built by Manufacturer		SI Engines:

Notes: Fugitive

Air Pollutant Specific Information

Emission Point ID No. (Alternate ID)	Control Equipment Code	Control Equipment Efficiency	HAP/TAP CAS Number	Proposed Emission Rates			Permitted Emission Rate (tons/yr)	Add, Change, Delete, or Unchanged	Continuous Compliance Method	Concentration in Gases Exiting at Stack
				Average (lb/hr)	Maximum (lb/hr)	Annual (tons/yr)				
SDC-1,2,3,4										
Pollutant										
$PM_{2.5}$	054	95.0%	N/A	0.09	0.09	0.03	--	A		
PM_{10}	054	95.0%	N/A	0.58	0.58	0.18	--	A		

State of Louisiana

Emissions Inventory Questionnaire (EIQ) for Air Pollutants

Date of Submittal: **October 2023**

Emission Point ID No. (Designation)	Descriptive Name of the Emissions Source (Alt. Name)	Approximate Location of Stack or Vent (see instructions)
SHC-1,2,3,4	Hoppers 1,2,3,4	Method: N/A; Datum: NAD 83; UTM Zone: 15; Horizontal: 762,956 mE; Vertical: 3,317,417 mN; Latitude: 29 degrees 57 min 34 sec 4 hundredths; Longitude: 90 degrees 16 min 30 sec 8 hundredths
TEMPO Subject Item ID No.: **TBD**		

Stack and Discharge Physical Characteristics Change?	Diameter or Stack Discharge Area	Height of Stack Above Grade	Stack Gas Exit Velocity	Stack Gas Flow at Conditions, not at Standard	Stack Gas Exit Temperature	Normal Operating Time (hours per year)	Date of Construction or Modification	Percent of Annual Throughput through This Emission Point			
								Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
	N/A ft / ft²	N/A ft	N/A ft/sec	N/A ft³/min	N/A °F	8,760	2023 Proposed	25%	25%	25%	25%

Type of Fuel Used and Heat Input (see instructions)

Fuel	Type of Fuel	Heat Input (MM Btu/hr)
a		
b		
c		

Operating Parameters (include units)

	Value/Parameter	Description
Normal Operating Rate/Throughput	500,000 tpy	
Maximum Operating Rate/Throughput	800 tph	
Design Capacity/Volume		
Shell Height (ft)		
Tank Diameter (ft)		
Roof Type		
Date Engine Ordered		Engine Model Year
Date Engine Built by Manufacturer		SI Engines:

Notes: Fugitive

Air Pollutant Specific Information

Emission Point ID No. (Alternate ID): **SHC-1,2,3,4**

Pollutant	Control Equipment Code	Control Equipment Efficiency	HAP/TAP CAS Number	Proposed Emission Rates: Average (lb/hr)	Proposed Emission Rates: Maximum (lb/hr)	Proposed Emission Rates: Annual (tons/yr)	Permitted Emission Rate (tons/yr)	Add, Change, Delete, or Unchanged	Continuous Compliance Method	Concentration in Gases Exiting at Stack
$PM_{2.5}$	054	95.0%	N/A	0.09	0.09	0.03	--	A		
PM_{10}	054	95.0%	N/A	0.58	0.58	0.18	--	A		

State of Louisiana

Emissions Inventory Questionnaire (EIQ) for Air Pollutants

Date of Submittal: **October 2023**

Emission Point ID No. (Designation)	Descriptive Name of the Emissions Source (Alt. Name)	Approximate Location of Stack or Vent (see instructions)
SHC-5,6,7,8	Hoppers 5,6,7,8	Method: N/A; Datum: NAD 83; UTM Zone: 15; Horizontal: 762,956 mE; Vertical: 3,317,417 mN; Latitude: 29 degrees 57 min 34 sec 4 hundredths; Longitude: 90 degrees 16 min 30 sec 8 hundredths
TEMPO Subject Item ID No.: **TBD**		

Stack and Discharge Physical Characteristics Change?	Diameter or Stack Discharge Area	Height of Stack Above Grade	Stack Gas Exit Velocity	Stack Gas Flow at Conditions, not at Standard	Stack Gas Exit Temperature	Normal Operating Time (hours per year)	Date of Construction or Modification	Percent of Annual Throughput through This Emission Point			
								Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
	N/A ft / ft²	N/A ft	N/A ft/sec	N/A ft³/min	N/A °F	8,760	2023 Proposed	25%	25%	25%	25%

Type of Fuel Used and Heat Input (see instructions)

Fuel	Type of Fuel	Heat Input (MM Btu/hr)
a		
b		
c		

Operating Parameters (include units)

	Value/Parameter	Description
Normal Operating Rate/Throughput	500,000 tpy	
Maximum Operating Rate/Throughput	800 tph	
Design Capacity/Volume		
Shell Height (ft)		
Tank Diameter (ft)		
Roof Type		
Date Engine Ordered		Engine Model Year
Date Engine Built by Manufacturer		SI Engines:

Notes

Fugitive

Air Pollutant Specific Information

Emission Point ID No. (Alternate ID): **SHC-5,6,7,8**

Pollutant	Control Equipment Code	Control Equipment Efficiency	HAP/TAP CAS Number	Proposed Emission Rates: Average (lb/hr)	Proposed Emission Rates: Maximum (lb/hr)	Proposed Emission Rates: Annual (tons/yr)	Permitted Emission Rate (tons/yr)	Add, Change, Delete, or Unchanged	Continuous Compliance Method	Concentration in Gases Exiting at Stack
$PM_{2.5}$	054	95.0%	N/A	0.09	0.09	0.01	--	A		
PM_{10}	054	95.0%	N/A	0.58	0.58	0.03	--	A		

State of Louisiana

Emissions Inventory Questionnaire (EIQ) for Air Pollutants

Date of Submittal: **October 2023**

Emission Point ID No. (Designation)	Descriptive Name of the Emissions Source (Alt. Name)	Approximate Location of Stack or Vent (see instructions)
SRL-01	AMS Rail Loading Station #1	Method: N/A; Datum: NAD 83; UTM Zone: 15; Horizontal: 763,022 mE; Vertical: 3,317,388 mN; Latitude: 29 degrees 57 min 33 sec 4 hundredths; Longitude: 90 degrees 16 min 28 sec 3 hundredths
TEMPO Subject Item ID No.: **TBD**		

Stack and Discharge Physical Characteristics Change?	Diameter or Stack Discharge Area	Height of Stack Above Grade	Stack Gas Exit Velocity	Stack Gas Flow at Conditions, not at Standard	Stack Gas Exit Temperature	Normal Operating Time (hours per year)	Date of Construction or Modification	Percent of Annual Throughput through This Emission Point			
								Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
	N/A ft / ft²	N/A ft	N/A ft/sec	N/A ft³/min	N/A °F	8,760	2023 Proposed	25%	25%	25%	25%

Type of Fuel Used and Heat Input (see instructions)

Fuel	Type of Fuel	Heat Input (MM Btu/hr)
a		
b		
c		

Operating Parameters (include units)

	Value/Parameter	Description
Normal Operating Rate/Throughput	94,500 tpy	
Maximum Operating Rate/Throughput	800 tph	
Design Capacity/Volume		
Shell Height (ft)		
Tank Diameter (ft)		
Roof Type		
Date Engine Ordered		Engine Model Year
Date Engine Built by Manufacturer		SI Engines:

Notes

Fugitive

Air Pollutant Specific Information

Emission Point ID No. (Alternate ID): **SRL-01**

Pollutant	Control Equipment Code	Control Equipment Efficiency	HAP/TAP CAS Number	Proposed Emission Rates: Average (lb/hr)	Proposed Emission Rates: Maximum (lb/hr)	Proposed Emission Rates: Annual (tons/yr)	Permitted Emission Rate (tons/yr)	Add, Change, Delete, or Unchanged	Continuous Compliance Method	Concentration in Gases Exiting at Stack
$PM_{2.5}$	018	99.0%	N/A	0.02	0.02	<0.01	--	A		
PM_{10}	018	99.0%	N/A	0.12	0.12	0.01	--	A		

State of Louisiana

Emissions Inventory Questionnaire (EIQ) for Air Pollutants

Date of Submittal: **October 2023**

Emission Point ID No. (Designation)	Descriptive Name of the Emissions Source (Alt. Name)	Approximate Location of Stack or Vent (see instructions)
ST-140	Equipment Vent Baghouse Exhauster #1	Method: N/A; Datum: NAD 83; UTM Zone: 15; Horizontal: 763,299 mE; Vertical: 3,317,526 mN; Latitude: 29 degrees 57 min 37 sec 7 hundredths; Longitude: 90 degrees 16 min 17 sec 9 hundredths
TEMPO Subject Item ID No.: **TBD**		

Stack and Discharge Physical Characteristics Change?	Diameter or Stack Discharge Area	Height of Stack Above Grade	Stack Gas Exit Velocity	Stack Gas Flow at Conditions, not at Standard	Stack Gas Exit Temperature	Normal Operating Time (hours per year)	Date of Construction or Modification	Percent of Annual Throughput through This Emission Point			
								Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
	4.17 ft / ft²	120.00 ft	75.05 ft/sec	53,261 ft³/min	ambient °F	8,760	2023 Proposed	25%	25%	25%	25%

Type of Fuel Used and Heat Input (see instructions)

Fuel	Type of Fuel	Heat Input (MM Btu/hr)
a		
b		
c		

Notes

Operating Parameters (include units)

	Value/Parameter	Description
Normal Operating Rate/Throughput	52,795 dscfm	
Maximum Operating Rate/Throughput		
Design Capacity/Volume		
Shell Height (ft)		
Tank Diameter (ft)		
Roof Type		
Date Engine Ordered		Engine Model Year
Date Engine Built by Manufacturer		SI Engines:

Air Pollutant Specific Information

Emission Point ID No. (Alternate ID): **ST-140**

Pollutant	Control Equipment Code	Control Equipment Efficiency	HAP/TAP CAS Number	Proposed Emission Rates: Average (lb/hr)	Proposed Emission Rates: Maximum (lb/hr)	Proposed Emission Rates: Annual (tons/yr)	Permitted Emission Rate (tons/yr)	Add, Change, Delete, or Unchanged	Continuous Compliance Method	Concentration in Gases Exiting at Stack
$PM_{2.5}$	018	99.0%	N/A	0.41	0.41	1.78	--	A		
PM_{10}	018	99.0%	N/A	0.41	0.41	1.78	--	A		

State of Louisiana

Emissions Inventory Questionnaire (EIQ) for Air Pollutants

Date of Submittal: **October 2023**

Emission Point ID No. (Designation)	Descriptive Name of the Emissions Source (Alt. Name)	Approximate Location of Stack or Vent (see instructions)
ST-240	Equipment Vent Baghouse Exhauster #2	Method: N/A; Datum: NAD 83; UTM Zone: 15; Horizontal: 763,296 mE; Vertical: 3,317,570 mN; Latitude: 29 degrees 57 min 39 sec 1 hundredths; Longitude: 90 degrees 16 min 17 sec 10 hundredths
TEMPO Subject Item ID No.: **TBD**		

Stack and Discharge Physical Characteristics Change?	Diameter or Stack Discharge Area	Height of Stack Above Grade	Stack Gas Exit Velocity	Stack Gas Flow at Conditions, not at Standard	Stack Gas Exit Temperature	Normal Operating Time (hours per year)	Date of Construction or Modification	Percent of Annual Throughput through This Emission Point			
								Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
	4.17 ft / ft²	120.00 ft	75.05 ft/sec	53,261 ft³/min	ambient °F	8,760	2023 Proposed	25%	25%	25%	25%

Type of Fuel Used and Heat Input (see instructions)

Fuel	Type of Fuel	Heat Input (MM Btu/hr)
a		
b		
c		

Notes

Operating Parameters (include units)

	Value/Parameter	Description
Normal Operating Rate/Throughput	52,795 dscfm	
Maximum Operating Rate/Throughput		
Design Capacity/Volume		
Shell Height (ft)		
Tank Diameter (ft)		
Roof Type		
Date Engine Ordered		Engine Model Year
Date Engine Built by Manufacturer		SI Engines:

Air Pollutant Specific Information

Emission Point ID No. (Alternate ID): **ST-240**

Pollutant	Control Equipment Code	Control Equipment Efficiency	HAP/TAP CAS Number	Proposed Emission Rates: Average (lb/hr)	Proposed Emission Rates: Maximum (lb/hr)	Proposed Emission Rates: Annual (tons/yr)	Permitted Emission Rate (tons/yr)	Add, Change, Delete, or Unchanged	Continuous Compliance Method	Concentration in Gases Exiting at Stack
$PM_{2.5}$	018	99.0%	N/A	0.41	0.41	1.78	--	A		
PM_{10}	018	99.0%	N/A	0.41	0.41	1.78	--	A		

State of Louisiana

Emissions Inventory Questionnaire (EIQ) for Air Pollutants

Date of Submittal: **October 2023**

Emission Point ID No. (Designation)	Descriptive Name of the Emissions Source (Alt. Name)	Approximate Location of Stack or Vent (see instructions)
ST-141	Venturi Scrubber Stack #1	Method: N/A; Datum: NAD 83; UTM Zone: 15; Horizontal: 763,311 mE; Vertical: 3,317,525 mN; Latitude: 29 degrees 57 min 37 sec 6 hundredths; Longitude: 90 degrees 16 min 17 sec 4 hundredths
TEMPO Subject Item ID No.: **TBD**		

Stack and Discharge Physical Characteristics Change?	Diameter or Stack Discharge Area	Height of Stack Above Grade	Stack Gas Exit Velocity	Stack Gas Flow at Conditions, not at Standard	Stack Gas Exit Temperature	Normal Operating Time (hours per year)	Date of Construction or Modification	Percent of Annual Throughput through This Emission Point			
								Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
	2.75 ft / ft²	116.00 ft	79.92 ft/sec	47,695 ft³/min	ambient °F	8,760	2023 Proposed	25%	25%	25%	25%

Type of Fuel Used and Heat Input (see instructions)

Fuel	Type of Fuel	Heat Input (MM Btu/hr)
a		
b		
c		

Notes

Operating Parameters (include units)

	Value/Parameter	Description
Normal Operating Rate/Throughput Maximum Operating Rate/Throughput Design Capacity/Volume	47,277 dscfm	
Shell Height (ft) Tank Diameter (ft) Roof Type		
Date Engine Ordered Date Engine Built by Manufacturer		Engine Model Year SI Engines:

Air Pollutant Specific Information

Emission Point ID No. (Alternate ID): **ST-141** / Pollutant	Control Equipment Code	Control Equipment Efficiency	HAP/TAP CAS Number	Proposed Emission Rates: Average (lb/hr)	Maximum (lb/hr)	Annual (tons/yr)	Permitted Emission Rate (tons/yr)	Add, Change, Delete, or Unchanged	Continuous Compliance Method	Concentration in Gases Exiting at Stack
$PM_{2.5}$	001	99.0%	N/A	0.36	0.36	1.60	--	A		
PM_{10}	001	99.0%	N/A	0.36	0.36	1.60	--	A		

State of Louisiana

Emissions Inventory Questionnaire (EIQ) for Air Pollutants

Date of Submittal: **October 2023**

Emission Point ID No. (Designation)	Descriptive Name of the Emissions Source (Alt. Name)	Approximate Location of Stack or Vent (see instructions)
ST-241	Venturi Scrubber Stack #2	Method: N/A; Datum: NAD 83; UTM Zone: 15; Horizontal: 763,308 mE; Vertical: 3,317,569 mN; Latitude: 29 degrees 57 min 39 sec 0 hundredths; Longitude: 90 degrees 16 min 17 sec 5 hundredths
TEMPO Subject Item ID No.: **TBD**		

Stack and Discharge Physical Characteristics Change?	Diameter or Stack Discharge Area	Height of Stack Above Grade	Stack Gas Exit Velocity	Stack Gas Flow at Conditions, not at Standard	Stack Gas Exit Temperature	Normal Operating Time (hours per year)	Date of Construction or Modification	Percent of Annual Throughput through This Emission Point			
								Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
	2.75 ft / ft²	116.00 ft	79.92 ft/sec	47,695 ft³/min	ambient °F	8,760	2023 Proposed	25%	25%	25%	25%

Type of Fuel Used and Heat Input (see instructions)

Fuel	Type of Fuel	Heat Input (MM Btu/hr)
a		
b		
c		

Notes

Operating Parameters (include units)

	Value/Parameter	Description
Normal Operating Rate/Throughput	47,277 dscfm	
Maximum Operating Rate/Throughput		
Design Capacity/Volume		
Shell Height (ft)		
Tank Diameter (ft)		
Roof Type		
Date Engine Ordered		Engine Model Year
Date Engine Built by Manufacturer		SI Engines:

Air Pollutant Specific Information

Emission Point ID No. (Alternate ID): **ST-241**

Pollutant	Control Equipment Code	Control Equipment Efficiency	HAP/TAP CAS Number	Proposed Emission Rates: Average (lb/hr)	Proposed Emission Rates: Maximum (lb/hr)	Proposed Emission Rates: Annual (tons/yr)	Permitted Emission Rate (tons/yr)	Add, Change, Delete, or Unchanged	Continuous Compliance Method	Concentration in Gases Exiting at Stack
$PM_{2.5}$	001	99.0%	N/A	0.36	0.36	1.60	--	A		
PM_{10}	001	99.0%	N/A	0.36	0.36	1.60	--	A		

State of Louisiana

Emissions Inventory Questionnaire (EIQ) for Air Pollutants

Date of Submittal: **October 2023**

Emission Point ID No. (Designation)	Descriptive Name of the Emissions Source (Alt. Name)	Approximate Location of Stack or Vent (see instructions)
ST-153	NH3 Scrubber Stack #1	Method: N/A; Datum: NAD 83; UTM Zone: 15; Horizontal: 763,247 mE; Vertical: 3,317,503 mN; Latitude: 29 degrees 57 min 36 sec 10 hundredths; Longitude: 90 degrees 16 min 19 sec 8 hundredths
TEMPO Subject Item ID No.: **TBD**		

Stack and Discharge Physical Characteristics Change?	Diameter or Stack Discharge Area	Height of Stack Above Grade	Stack Gas Exit Velocity	Stack Gas Flow at Conditions, not at Standard	Stack Gas Exit Temperature	Normal Operating Time (hours per year)	Date of Construction or Modification	Percent of Annual Throughput through This Emission Point			
								Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
	2.75 ft / ft²	116.00 ft	78.03 ft/sec	23,563 ft³/min	ambient °F	8,760	2023 Proposed	25%	25%	25%	25%

Type of Fuel Used and Heat Input (see instructions)

Fuel	Type of Fuel	Heat Input (MM Btu/hr)
a		
b		
c		

Notes

Operating Parameters (include units)

	Value/Parameter	Description
Normal Operating Rate/Throughput	23,357 dscfm	
Maximum Operating Rate/Throughput		
Design Capacity/Volume		
Shell Height (ft)		
Tank Diameter (ft)		
Roof Type		
Date Engine Ordered		Engine Model Year
Date Engine Built by Manufacturer		SI Engines:

Air Pollutant Specific Information

Emission Point ID No. (Alternate ID): **ST-153**

Pollutant	Control Equipment Code	Control Equipment Efficiency	HAP/TAP CAS Number	Proposed Emission Rates: Average (lb/hr)	Proposed Emission Rates: Maximum (lb/hr)	Proposed Emission Rates: Annual (tons/yr)	Permitted Emission Rate (tons/yr)	Add, Change, Delete, or Unchanged	Continuous Compliance Method	Concentration in Gases Exiting at Stack
$PM_{2.5}$	001	99.0%	N/A	0.18	0.18	0.79	--	A		
PM_{10}	001	99.0%	N/A	0.18	0.18	0.79	--	A		
Ammonia	001	99.99%	7664-41-7	0.07	0.07	0.29	--	A		

State of Louisiana

Emissions Inventory Questionnaire (EIQ) for Air Pollutants

Date of Submittal: **October 2023**

Emission Point ID No. (Designation)	Descriptive Name of the Emissions Source (Alt. Name)	Approximate Location of Stack or Vent (see instructions)
ST-253	NH3 Scrubber Stack #2	Method: N/A; Datum: NAD 83; UTM Zone: 15; Horizontal: 763,244 mE; Vertical: 3,317,547 mN; Latitude: 29 degrees 57 min 38 sec 4 hundredths; Longitude: 90 degrees 16 min 19 sec 9 hundredths
TEMPO Subject Item ID No.: **TBD**		

Stack and Discharge Physical Characteristics Change?	Diameter or Stack Discharge Area	Height of Stack Above Grade	Stack Gas Exit Velocity	Stack Gas Flow at Conditions, not at Standard	Stack Gas Exit Temperature	Normal Operating Time (hours per year)	Date of Construction or Modification	Percent of Annual Throughput through This Emission Point			
								Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
	2.75 ft / ft²	116.00 ft	78.03 ft/sec	23,563 ft³/min	ambient °F	8,760	2023 Proposed	25%	25%	25%	25%

Type of Fuel Used and Heat Input (see instructions)

Fuel	Type of Fuel	Heat Input (MM Btu/hr)
a		
b		
c		

Notes

Operating Parameters (include units)

	Value/Parameter	Description
Normal Operating Rate/Throughput Maximum Operating Rate/Throughput Design Capacity/Volume	23,357 dscfm	
Shell Height (ft) Tank Diameter (ft) Roof Type		
Date Engine Ordered Date Engine Built by Manufacturer		Engine Model Year SI Engines:

Air Pollutant Specific Information

Emission Point ID No. (Alternate ID): **ST-253**

Pollutant	Control Equipment Code	Control Equipment Efficiency	HAP/TAP CAS Number	Proposed Emission Rates: Average (lb/hr)	Proposed Emission Rates: Maximum (lb/hr)	Proposed Emission Rates: Annual (tons/yr)	Permitted Emission Rate (tons/yr)	Add, Change, Delete, or Unchanged	Continuous Compliance Method	Concentration in Gases Exiting at Stack
$PM_{2.5}$	001	99.0%	N/A	0.18	0.18	0.79	--	A		
PM_{10}	001	99.0%	N/A	0.18	0.18	0.79	--	A		
Ammonia	001	99.99%	7664-41-7	0.07	0.07	0.29	--	A		

State of Louisiana

Emissions Inventory Questionnaire (EIQ) for Air Pollutants

Date of Submittal: **October 2023**

Emission Point ID No. (Designation)	Descriptive Name of the Emissions Source (Alt. Name)	Approximate Location of Stack or Vent (see instructions)
STL-01	AMS Truck Loading Station #1	Method: N/A; Datum: NAD 83; UTM Zone: 15; Horizontal: 762,990 mE; Vertical: 3,317,519 mN; Latitude: 29 degrees 57 min 37 sec 7 hundredths; Longitude: 90 degrees 16 min 29 sec 4 hundredths
TEMPO Subject Item ID No.: **TBD**		

Stack and Discharge Physical Characteristics Change?	Diameter or Stack Discharge Area	Height of Stack Above Grade	Stack Gas Exit Velocity	Stack Gas Flow at Conditions, not at Standard	Stack Gas Exit Temperature	Normal Operating Time (hours per year)	Date of Construction or Modification	Percent of Annual Throughput through This Emission Point			
								Jan - Mar	Apr - Jun	Jul - Sep	Oct - Dec
	N/A ft / ft²	N/A ft	N/A ft/sec	N/A ft³/min	N/A °F	8,760	2023 Proposed	25%	25%	25%	25%

Type of Fuel Used and Heat Input (see instructions)

Fuel	Type of Fuel	Heat Input (MM Btu/hr)
a		
b		
c		

Operating Parameters (include units)

	Value/Parameter	Description
Normal Operating Rate/Throughput	94,500 tpy	
Maximum Operating Rate/Throughput	650 tph	
Design Capacity/Volume		
Shell Height (ft)		
Tank Diameter (ft)		
Roof Type		
Date Engine Ordered		Engine Model Year
Date Engine Built by Manufacturer		SI Engines:

Notes: Fugitive

Air Pollutant Specific Information

Emission Point ID No. (Alternate ID): **STL-01**

Pollutant	Control Equipment Code	Control Equipment Efficiency	HAP/TAP CAS Number	Proposed Emission Rates: Average (lb/hr)	Proposed Emission Rates: Maximum (lb/hr)	Proposed Emission Rates: Annual (tons/yr)	Permitted Emission Rate (tons/yr)	Add, Change, Delete, or Unchanged	Continuous Compliance Method	Concentration in Gases Exiting at Stack
$PM_{2.5}$	018	99.0%	N/A	0.01	0.01	<0.01	--	A		
PM_{10}	018	99.0%	N/A	0.09	0.09	0.01	--	A		

SECTION 5.0

EMISSION CALCULATIONS

COMPANY		FACILITY NAME	
American Plant Food River Partners LLC		AMS Production Facility and Material Handling Transportation Facility	
DESCRIPTIVE NAME OF EMISSION POINT	EMISSION POINT ID	TEMPO ID	Project No.: 691-013
AMS Piles	AMSPiles	TBD	Date: Oct 2023
			By: RNA

Source Description:

This source represents emissions from the transfer of product from the AMS piles. It is enclosed in the AMS Storage Warehouse; therefore, wind erosion off the piles is negligible. There are piles for different grades of material.

Application Updates:

This is a new source.

Operating Data[1]		
Operating Rate	125.00	ton/hr
	500,000	ton/yr
	4,000	hr/yr
Moisture	0.5	%
Wind Speed	8.1	mph
Capture Efficiency[2]	95%	

Emission Totals:

Pollutant	Emission Factor	Reference	Emission Rates[4] Avg (lb/hr)	Max (lb/hr)	Annual (tons/yr)
$PM_{2.5}$	0.0022 lb/ton	Note 3	0.01	0.01	0.03
PM_{10}	0.0146 lb/ton	Note 3	0.09	0.09	0.18

REFERENCE/NOTES

1) Provided by American Plant Food River Partners.
2) Fully-enclosed building with additional enclosures at transfer levels provides 95% control.
3) Formula from AP-42, Table 13.2.4 (January 1995):
E = K (0.0032) * ((U/5)^1.3) / ((M/2)^1.4)
where E = Emission Factor, lb/ton
k = particle size multiplier:
$PM_{2.5}$ 0.053
PM_{10} 0.35
U = Wind speed mph AP-42, Chapter 7.1 for New Orleans, LA
M = Moisture from product analysis, %
Emissions are for Ammonium Sulfate (AMS), which represents the highest emission rate of all possible products
4) Emission Rates (ER) calculated as follows:
ER_{Avg} (lb/hr) = Hourly Operating Rate (ton/hr) * Emission Factor (lb/ton) * (1-Capture Efficiency)
ER_{Max} (lb/hr) = ER_{Avg} (lbs/hr)
ER_{Annual} (tons/yr) = annual Operating Rate (ton/yr) * Emission Factor (lb/ton) * (1-Capture Efficiency) * (ton/2,000 lbs)

COMPANY		FACILITY NAME	
American Plant Food River Partners LLC		AMS Production Facility and Material Handling Transportation Facility	
DESCRIPTIVE NAME OF EMISSION POINT	EMISSION POINT ID	TEMPO ID	Project No.: 691-013
Dryer Burner #1	BR-101	TBD	Date: Oct 2023
			By: RNA

Source Description:

This source represents emissions from the natural gas-fired dryer burner in Granulation Plant #1. The burner creates hot air to dry the granules.

Application Updates:

This is a new source.

Operating Data[1]	
Firing Rate (per design)	10 MMBtu/hr
Operating Hours	8,760 hr/yr

Emission Totals:

Pollutant	Emission Factor	Reference	Emission Rates[3] Avg (lb/hr)	Max (lb/hr)	Annual (tons/yr)
$PM_{2.5}$	7.6 lb/MMcf	Note 2	0.07	0.07	0.33
PM_{10}	7.6 lb/MMcf	Note 2	0.07	0.07	0.33
SO_2	0.6 lb/MMcf	Note 2	0.01	0.01	0.03
NOx	100 lb/MMcf	Note 2	0.98	0.98	4.29
CO	84 lb/MMcf	Note 2	0.82	0.82	3.61
VOC Total	5.5 lb/MMcf	Note 2	0.05	0.05	0.24
Formaldehyde	0.075 lb/MMcf	Note 2	0.001	0.001	0.003
n-hexane	1.8 lb/MMcf	Note 2	0.02	0.02	0.08

Greenhouse Gases: Normal Operations

Pollutant	Emission Factor[4]	GHG Mass Emission Rates[5] Annual (tons/yr)	GWP[6]	CO_2e Emission Rates[5] Annual (tons/yr)
CO_2	53.06 kg/MMBtu	5,123.55	1	5,124
CH_4	0.001 kg/MMBtu	0.10	25	2
N_2O	0.0001 kg/MMBtu	0.01	298	3
CO_2e				5,129

REFERENCE/NOTES

1) Provided by American Plant Food River Partners.

2) Emission factor based on EPA's AP-42 Section 1.4 (Natural Gas Combustion), Tables 1.4-1, 1.4-2, and 1.4-3 (07/98) for small boilers. Emission factors

3) Emission Rates (ER) calculated as follows:

Er_{avg}(lb/hr) = Emission Factor (lb/MMcf) * (MMcf/MMBtu) * Firing Rate (MMBtu/hr)

ER_{max}(lb/hr) = ER_{avg}(lb/hr)

ER_{Annual} (tons/yr) = ER_{max} (lb/hr) * Operating Hours (hr/yr) / 2,000 (lb/ton)

4) Emission factor based on 40 CFR 98, Tables C-1 and C-2, for Natural Gas.

5) Emission rates (ER) calculated as specified in 40 CFR 98.33(a)(1)(iii) and 40 CFR 98.33(c)(1)(ii) and in accordance with 98.33(b)(1)(v) as follows:

GHG: ER (tons/yr) = (Total) Firing Rate (MMBtu/hr) * Emission Factor (kg/MMBtu) * 0.0011023 (ton/kg) * Operating Hours (hr/yr)

CO_2e: ER (tons/yr) = GHG Mass Emission Rate * GWP

6) GWPs based on 40 CFR 98, Table A-1.

COMPANY		FACILITY NAME	
American Plant Food River Partners LLC		AMS Production Facility and Material Handling Transportation Facility	
DESCRIPTIVE NAME OF EMISSION POINT	EMISSION POINT ID	TEMPO ID	Project No.: 691-013
Dryer Burner #2	BR-201	TBD	Date: Oct 2023
			By: RNA

Source Description:

This source represents emissions from the natural gas-fired dryer burner in Granulation Plant #2. The burner creates hot air to dry the granules.

Application Updates:

This is a new source.

Operating Data[1]	
Firing Rate (per design)	10 MMBtu/hr
Operating Hours	8,760 hr/yr

Emission Totals:

Pollutant	Emission Factor	Reference	Emission Rates[3] Avg (lb/hr)	Max (lb/hr)	Annual (tons/yr)
$PM_{2.5}$	7.6 lb/MMcf	Note 2	0.07	0.07	0.33
PM_{10}	7.6 lb/MMcf	Note 2	0.07	0.07	0.33
SO_2	0.6 lb/MMcf	Note 2	0.01	0.01	0.03
NOx	100 lb/MMcf	Note 2	0.98	0.98	4.29
CO	84 lb/MMcf	Note 2	0.82	0.82	3.61
VOC Total	5.5 lb/MMcf	Note 2	0.05	0.05	0.24
Formaldehyde	0.075 lb/MMcf	Note 2	0.001	0.001	0.003
n-hexane	1.8 lb/MMcf	Note 2	0.02	0.02	0.08

Greenhouse Gases: Normal Operations

Pollutant	Emission Factor[4]	GHG Mass Emission Rates[5] Annual (tons/yr)	GWP[6]	CO_2e Emission Rates[5] Annual (tons/yr)
CO_2	53.06 kg/MMBtu	5,123.55	1	5,124
CH_4	0.001 kg/MMBtu	0.10	25	2
N_2O	0.0001 kg/MMBtu	0.01	298	3
CO_2e				5,129

REFERENCE/NOTES

1) Provided by American Plant Food River Partners.

2) Emission factor based on EPA's AP-42 Section 1.4 (Natural Gas Combustion), Tables 1.4-1, 1.4-2, and 1.4-3 (07/98) for small boilers. Emission factors

3) Emission Rates (ER) calculated as follows:

Er_{avg}(lb/hr) = Emission Factor (lb/MMcf) * (MMcf/MMBtu) * Firing Rate (MMBtu/hr)

ER_{max}(lb/hr) = ER_{avg}(lb/hr)

ER_{Annual} (tons/yr) = ER_{max} (lb/hr) * Operating Hours (hr/yr) / 2,000 (lb/ton)

4) Emission factor based on 40 CFR 98, Tables C-1 and C-2, for Natural Gas.

5) Emission rates (ER) calculated as specified in 40 CFR 98.33(a)(1)(iii) and 40 CFR 98.33(c)(1)(ii) and in accordance with 98.33(b)(1)(v) as follows:

GHG: ER (tons/yr) = (Total) Firing Rate (MMBtu/hr) * Emission Factor (kg/MMBtu) * 0.0011023 (ton/kg) * Operating Hours (hr/yr)

CO_2e: ER (tons/yr) = GHG Mass Emission Rate * GWP

6) GWPs based on 40 CFR 98, Table A-1.

COMPANY		FACILITY NAME	
American Plant Food River Partners LLC		AMS Production Facility and Material Handling Transportation Facility	
DESCRIPTIVE NAME OF EMISSION POINT	EMISSION POINT ID	TEMPO ID	Project No.: 691-013
Surge Bin - Barge Loadout Transfer Tower	BSB-01	TBD	Date: Oct 2023
			By: RNA

Source Description:

This source represents emissions from the transfer of product from the surge bin (barge loadout transfer tower).

Application Updates:

This is a new source.

Operating Data[1]		
Operating Rate	800.00	ton/hr
	441,000	ton/yr
	551	hr/yr
Moisture	0.5	%
Wind Speed	8.1	mph
Capture Efficiency[2]	95%	

Emission Totals:

Pollutant	Emission Factor	Reference	Emission Rates[4] Avg (lb/hr)	Max (lb/hr)	Annual (tons/yr)
$PM_{2.5}$	0.0022 lb/ton	Note 3	0.09	0.09	0.02
PM_{10}	0.0146 lb/ton	Note 3	0.58	0.58	0.16

REFERENCE/NOTES

1) Provided by American Plant Food River Partners.
2) Fully-enclosed building with additional enclosures at transfer levels provides 95% control.
3) Formula from AP-42, Table 13.2.4 (January 1995):
E = K (0.0032) * ((U/5)^1.3) / ((M/2)^1.4)
where E = Emission Factor, lb/ton
k = particle size multiplier:
$PM_{2.5}$ 0.053
PM_{10} 0.35
U = Wind speed mph AP-42, Chapter 7.1 for New Orleans, LA
M = Moisture from product analysis, %
Emissions are for Ammonium Sulfate (AMS), which represents the highest emission rate of all possible products
4) Emission Rates (ER) calculated as follows:
ER_{Avg} (lb/hr) = Hourly Operating Rate (ton/hr) * Emission Factor (lb/ton) * (1-Capture Efficiency)
ER_{Max} (lb/hr) = ER_{Avg} (lbs/hr)
ER_{Annual} (tons/yr) = annual Operating Rate (ton/yr) * Emission Factor (lb/ton) * (1-Capture Efficiency) * (ton/2,000 lbs)

COMPANY		FACILITY NAME	
American Plant Food River Partners LLC		AMS Production Facility and Material Handling Transportation Facility	
DESCRIPTIVE NAME OF EMISSION POINT	EMISSION POINT ID	TEMPO ID	Project No.: 691-013
Ammonia fugitives (piping)	FUG	TBD	Date: Oct 2023
			By: RNA

Source Description:

This source represents emissions fugitive ammonia emissions from piping.

Application Updates:

This is a new source.

Process Area Fugitives:					
Component	Component Count	Emission Factor[1] (lb/hr/comp)	Emissions[2] Average (lb/hr)	Maximum (lb/hr)	Annual (tons/yr)
Valves	33	0.000028	9.24E-04	9.24E-04	4.05E-03
Flanges	108	0.000043	4.64E-03	4.64E-03	2.03E-02
Compressors	-	0.1967	-	-	-
Relief Valves	-	0.0983	-	-	-
Pumps	-	0.0190	-	-	-
Open-Ended Lines	-	0.004	-	-	-
Sampling Connections	-	0.033	-	-	-
Totals:			0.01	0.01	0.02
Speciation		Weight %	Emissions Average (lbs/hr)	Maximum (lbs/hr)	Annual (tons/yr)
Ammonia		25%	0.001	0.001	0.006
Non-Regulated Pollutants		75%	0.004	0.004	0.004
Total		100%	0.006	0.006	0.024
Ammonia		25%	0.001	0.001	0.006

Emission Totals:			
	Emission Rates		
	Average (lbs/hr)	Maximum (lbs/hr)	Annual (tons/yr)
Ammonia	0.001	0.001	0.006

REFERENCE/NOTES

1) Emission factors from TCEQ's Air Permit Technical Guidance for Chemical Sources: Equipment Leak Fugitives (10/2000). SOCMI non-leaker fugitive emission factors (pg 49 of 56).

2) Emission rates (ER) calculated as follows:
ER_{avg} (lb/hr) = Component Count * EF (lb/hr/component)
ER_{annual} (tons/yr) = ER_{avg} (lb/hr) / 2,000 (lb/ton) * Operating Hours (8,760 hr/yr)
Maximum emissions are equal to average.

COMPANY		FACILITY NAME	
American Plant Food River Partners LLC		AMS Production Facility and Material Handling Transportation Facility	
DESCRIPTIVE NAME OF EMISSION POINT	EMISSION POINT ID	TEMPO ID	Project No.: 691-013
Fugitive Emissions from Granulation Plant #1	GP1-Fug	TBD	Date: Oct 2023
			By: RNA

Source Description:

This source represents uncaptured, fugitive emissions from Granulation Plant #1. There are 24 transfer points.

Application Updates:

This is a new source.

Operating Data[1]			
Moisture	0.50 %		
Wind Speed	8.1 mph		
Capture Efficiency[2]	99.9%		
Transfer Points		Operating Data	
		tons/hr	tons/yr
BC-102	Dryer Drum Conveyor	27.48	240,776
BC-114	Product Conveyor 1	5.07	44,381
BC-115	Recycle Conveyor 1	22.61	198,100
BC-121	Product Conveyor 2	5.02	44,000
BC-146	Dryer Cyclone Conveyor	0.11	965
BC-155	Recycle Conveyor 2	22.60	198,050
BE-105	Screen Elevator	27.47	240,676
BE-131	Cooler Elevator	5.07	44,381
BE-154	Recycle Elevator	22.61	198,100
CR-108A	Oversize Mill	2.48	21,752
CR-108B	Oversize Mill (Spare)		
DR-100	Granulation Drum	28.08	246,023
DR-101	Dryer Drum	27.48	240,776
DR-120	Product Coating Drum	5.00	43,830
DR-130	Cooler Drum	5.00	43,830
DV-132	Bleedout Diverter	27.47	240,676
GR-100	Granulation Drum Grizzly	28.08	246,023
SN-106A	Oversize Screen	2.20	19,350
SN-106B	Oversize Screen (Spare)		
SN-107A	Product Screen	12.34	108,154
SN-107B	Product Screen (Spare)		
SP-109	Oversize Screen Splitter	2.21	19,350
SP-110A	Product Screen Splitter	2.54	22,241
SP-110B	Product Screen Splitter (Spare)		
SP-122	Product Splitter	3.01	26,401
	Total of all Transfer Points	**283.93**	**2,487,835**

Emission Totals:					
Pollutant	Emission Factor	Reference	Emission Rates[4] Avg (lb/hr)	Max (lb/hr)	Annual (tons/yr)
$PM_{2.5}$	0.0022 lb/ton	Note 3	0.001	0.001	0.003
PM_{10}	0.0146 lb/ton	Note 3	0.004	0.004	0.02

REFERENCE/NOTES

1) Provided by American Plant Food River Partners.

2) 99.9% represents the capture efficiency. Captured emissions are routed to the baghouses and scrubbers listed as point sources in this application.

3) Formula from AP-42, Table 13.2.4 (January 1995):

E = K (0.0032) * ((U/5)^1.3) / ((M/2)^1.4)

where E = Emission Factor, lb/ton

k = particle size multiplier:

$PM_{2.5}$ 0.053

PM_{10} 0.35

U = Wind speed mph AP-42, Chapter 7.1 for New Orleans, LA

M = Moisture from product analysis, %

Emissions are for Ammonium Sulfate (AMS), which represents the highest emission rate of all possible products

4) Emission Rates (ER) calculated as follows:

ER_{Avg} (lb/hr) = Hourly Operating Rate (ton/hr) * Emission Factor (lb/ton) * (1-Capture Efficiency)

ER_{Max} (lb/hr) = ER_{Avg} (lbs/hr)

ER_{Annual} (tons/yr) = annual Operating Rate (ton/yr) * Emission Factor (lb/ton) * (1-Capture Efficiency) * (ton/2,000 lbs)

COMPANY		FACILITY NAME	
American Plant Food River Partners LLC		AMS Production Facility and Material Handling Transportation Facility	
DESCRIPTIVE NAME OF EMISSION POINT	EMISSION POINT ID	TEMPO ID	Project No.: 691-013
Fugitive Emissions from Granulation Plant #2	GP2-Fug	TBD	Date: Oct 2023
			By: RNA

Source Description:

This source represents uncaptured, fugitive emissions from Granulation Plant #2. There are 24 transfer points.

Application Updates:

This is a new source.

Operating Data[1]			
Moisture	0.5 %		
Wind Speed	8.1 mph		
Capture Efficiency[2]	99.9%		
Transfer Points		Operating Data	
		tons/hr	tons/yr
BC-202	Dryer Drum Conveyor	27.48	240,776
BC-214	Product Conveyor 1	5.07	44,381
BC-215	Recycle Conveyor 1	22.61	198,100
BC-221	Product Conveyor 2	5.02	44,000
BC-246	Dryer Cyclone Conveyor	0.11	965
BC-255	Recycle Conveyor 2	22.60	198,050
BE-205	Screen Elevator	27.47	240,676
BE-231	Cooler Elevator	5.07	44,381
BE-254	Recycle Elevator	22.61	198,100
CR-208A	Oversize Mill	2.48	21,752
CR-208B	Oversize Mill (Spare)		
DR-200	Granulation Drum	28.08	246,023
DR-201	Dryer Drum	27.48	240,776
DR-220	Product Coating Drum	5.00	43,830
DR-230	Cooler Drum	5.00	43,830
DV-232	Bleedout Diverter	27.47	240,676
GR-200	Granulation Drum Grizzly	28.08	246,023
SN-206A	Oversize Screen	2.20	19,350
SN-206B	Oversize Screen (Spare)		
SN-207A	Product Screen	12.34	108,154
SN-207B	Product Screen (Spare)		
SP-209	Oversize Screen Splitter	2.21	19,350
SP-210A	Product Screen Splitter	2.54	22,241
SP-210B	Product Screen Splitter (Spare)		
SP-222	Product Splitter	3.01	26,401
	Total of all Transfer Points	**283.93**	**2,487,835**

Emission Totals:					
Pollutant	Emission Factor	Reference	Emission Rates[4] Avg (lb/hr)	Max (lb/hr)	Annual (tons/yr)
$PM_{2.5}$	0.0022 lb/ton	Note 3	0.001	0.001	0.003
PM_{10}	0.0146 lb/ton	Note 3	0.004	0.004	0.02

REFERENCE/NOTES

1) Provided by American Plant Food River Partners.
2) 99.9% represents the capture efficiency. Captured emissions are routed to the baghouses and scrubbers listed as point sources in this application.
3) Formula from AP-42, Table 13.2.4 (January 1995):
   E = K (0.0032) * ((U/5)^1.3) / ((M/2)^1.4)
   where E = Emission Factor, lb/ton
   k = particle size multiplier:
   $PM_{2.5}$ 0.053
   PM_{10} 0.35
   U = Wind speed mph AP-42, Chapter 7.1 for New Orleans, LA
   M = Moisture from product analysis, %
   Emissions are for Ammonium Sulfate (AMS), which represents the highest emission rate of all possible products
4) Emission Rates (ER) calculated as follows:
   ER_{Avg} (lb/hr) = Hourly Operating Rate (ton/hr) * Emission Factor (lb/ton) * (1-Capture Efficiency)
   ER_{Max} (lb/hr) = ER_{Avg} (lbs/hr)
   ER_{Annual} (tons/yr) = annual Operating Rate (ton/yr) * Emission Factor (lb/ton) * (1-Capture Efficiency) * (ton/2,000 lbs)

COMPANY		FACILITY NAME	
American Plant Food River Partners LLC		AMS Production Facility and Material Handling Transportation Facility	
DESCRIPTIVE NAME OF EMISSION POINT	EMISSION POINT ID	TEMPO ID	Project No.: 691-013
Belt Conveyor - Granulators - Receiving Conveyor from Process	SBC-01	TBD	Date: Oct 2023
			By: RNA

Source Description:

This source represents emissions from the transfer of product from the granulators (receiving conveyor from process). This is a belt conveyor.

Application Updates:

This is a new source.

Operating Data[1]		
Operating Rate	125.00	ton/hr
	500,000	ton/yr
	4,000	hr/yr
Moisture	0.5	%
Wind Speed	8.1	mph
Capture Efficiency[2]	95%	

Emission Totals:

Pollutant	Emission Factor	Reference	Emission Rates[4] Avg (lb/hr)	Max (lb/hr)	Annual (tons/yr)
$PM_{2.5}$	0.0022 lb/ton	Note 3	0.01	0.01	0.03
PM_{10}	0.0146 lb/ton	Note 3	0.09	0.09	0.18

REFERENCE/NOTES

1) Provided by American Plant Food River Partners.
2) Fully-enclosed building with additional enclosures at transfer levels provides 95% control.
3) Formula from AP-42, Table 13.2.4 (January 1995):
   E = K (0.0032) * ((U/5)^1.3) / ((M/2)^1.4)
   where E = Emission Factor, lb/ton
   k = particle size multiplier:
   $PM_{2.5}$ 0.053
   PM_{10} 0.35
   U = Wind speed mph AP-42, Chapter 7.1 for New Orleans, LA
   M = Moisture from product analysis, %
   Emissions are for Ammonium Sulfate (AMS), which represents the highest emission rate of all possible products
4) Emission Rates (ER) calculated as follows:
   ER_{Avg} (lb/hr) = Hourly Operating Rate (ton/hr) * Emission Factor (lb/ton) * (1-Capture Efficiency)
   ER_{Max} (lb/hr) = ER_{Avg} (lbs/hr)
   ER_{Annual} (tons/yr) = annual Operating Rate (ton/yr) * Emission Factor (lb/ton) * (1-Capture Efficiency) * (ton/2,000 lbs)

COMPANY		FACILITY NAME	
American Plant Food River Partners LLC		AMS Production Facility and Material Handling Transportation Facility	
DESCRIPTIVE NAME OF EMISSION POINT	EMISSION POINT ID	TEMPO ID	Project No.: 691-013
Belt Conveyor - Granulators - Transfer from Process to Terminal	SBC-02	TBD	Date: Oct 2023
			By: RNA

Source Description:

This source represents emissions from the transfer of product from the granulators (receiving conveyor from process). This is a belt conveyor.

Application Updates:

This is a new source.

Operating Data[1]		
Operating Rate	125.00	ton/hr
	500,000	ton/yr
	4,000	hr/yr
Moisture	0.5	%
Wind Speed	8.1	mph
Capture Efficiency[2]	95%	

Emission Totals:

Pollutant	Emission Factor	Reference	Emission Rates[4] Avg (lb/hr)	Max (lb/hr)	Annual (tons/yr)
$PM_{2.5}$	0.0022 lb/ton	Note 3	0.01	0.01	0.03
PM_{10}	0.0146 lb/ton	Note 3	0.09	0.09	0.18

REFERENCE/NOTES

1) Provided by American Plant Food River Partners.
2) Fully-enclosed building with additional enclosures at transfer levels provides 95% control.
3) Formula from AP-42, Table 13.2.4 (January 1995):
E = K (0.0032) * ((U/5)^1.3) / ((M/2)^1.4)
where E = Emission Factor, lb/ton
k = particle size multiplier:
$PM_{2.5}$ 0.053
PM_{10} 0.35
U = Wind speed mph AP-42, Chapter 7.1 for New Orleans, LA
M = Moisture from product analysis, %
Emissions are for Ammonium Sulfate (AMS), which represents the highest emission rate of all possible products
4) Emission Rates (ER) calculated as follows:
ER_{Avg} (lb/hr) = Hourly Operating Rate (ton/hr) * Emission Factor (lb/ton) * (1-Capture Efficiency)
ER_{Max} (lb/hr) = ER_{Avg} (lbs/hr)
ER_{Annual} (tons/yr) = annual Operating Rate (ton/yr) * Emission Factor (lb/ton) * (1-Capture Efficiency) * (ton/2,000 lbs)

COMPANY		FACILITY NAME	
American Plant Food River Partners LLC		AMS Production Facility and Material Handling Transportation Facility	
DESCRIPTIVE NAME OF EMISSION POINT	EMISSION POINT ID	TEMPO ID	Project No.: 691-013
Belt Conveyors	SBC-03	TBD	Date: Oct 2023
			By: RNA

Source Description:

This source represents emissions from the transfer of product from the bucket elevators or screw conveyors to the warehouse storage piles.

Application Updates:

This is a new source.

Operating Data[1]		
Operating Rate	125.00	ton/hr
	500,000	ton/yr
	4,000	hr/yr
Moisture	0.5	%
Wind Speed	8.1	mph
Capture Efficiency[2]	95%	

Emission Totals:

Pollutant	Emission Factor	Reference	Emission Rates[4] Avg (lb/hr)	Max (lb/hr)	Annual (tons/yr)
$PM_{2.5}$	0.0022 lb/ton	Note 3	0.01	0.01	0.03
PM_{10}	0.0146 lb/ton	Note 3	0.09	0.09	0.18

REFERENCE/NOTES

1) Provided by American Plant Food River Partners.
2) Fully-enclosed building with additional enclosures at transfer levels provides 95% control.
3) Formula from AP-42, Table 13.2.4 (January 1995):
E = K (0.0032) * ((U/5)^1.3) / ((M/2)^1.4)
where E = Emission Factor, lb/ton
k = particle size multiplier:
$PM_{2.5}$ 0.053
PM_{10} 0.35
U = Wind speed mph AP-42, Chapter 7.1 for New Orleans, LA
M = Moisture from product analysis, %
Emissions are for Ammonium Sulfate (AMS), which represents the highest emission rate of all possible products
4) Emission Rates (ER) calculated as follows:
ER_{Avg} (lb/hr) = Hourly Operating Rate (ton/hr) * Emission Factor (lb/ton) * (1-Capture Efficiency)
ER_{Max} (lb/hr) = ER_{Avg} (lbs/hr)
ER_{Annual} (tons/yr) = annual Operating Rate (ton/yr) * Emission Factor (lb/ton) * (1-Capture Efficiency) * (ton/2,000 lbs)

COMPANY		FACILITY NAME	
American Plant Food River Partners LLC		AMS Production Facility and Material Handling Transportation Facility	
DESCRIPTIVE NAME OF EMISSION POINT	EMISSION POINT ID	TEMPO ID	Project No.: 691-013
Belt Conveyors	SBC-04a,b	TBD	Date: Oct 2023
			By: RNA

Source Description:

This source represents emissions from the transfer of product from the hoppers or drag conveyors to the belt conveyors.

Application Updates:

This is a new source.

Operating Data[1]		
Operating Rate	800.00	ton/hr
	94,500	ton/yr
	118	hr/yr
Moisture	0.5	%
Wind Speed	8.1	mph
Capture Efficiency[2]	95%	

Emission Totals:

Pollutant	Emission Factor	Reference	Emission Rates[4] Avg (lb/hr)	Max (lb/hr)	Annual (tons/yr)
$PM_{2.5}$	0.0022 lb/ton	Note 3	0.09	0.09	0.01
PM_{10}	0.0146 lb/ton	Note 3	0.58	0.58	0.03

REFERENCE/NOTES

1) Provided by American Plant Food River Partners.
2) Fully-enclosed building with additional enclosures at transfer levels provides 95% control.
3) Formula from AP-42, Table 13.2.4 (January 1995):
E = K (0.0032) * ((U/5)^1.3) / ((M/2)^1.4)
where E = Emission Factor, lb/ton
k = particle size multiplier:
$PM_{2.5}$ 0.053
PM_{10} 0.35
U = Wind speed mph AP-42, Chapter 7.1 for New Orleans, LA
M = Moisture from product analysis, %
Emissions are for Ammonium Sulfate (AMS), which represents the highest emission rate of all possible products
4) Emission Rates (ER) calculated as follows:
ER_{Avg} (lb/hr) = Hourly Operating Rate (ton/hr) * Emission Factor (lb/ton) * (1-Capture Efficiency)
ER_{Max} (lb/hr) = ER_{Avg} (lbs/hr)
ER_{Annual} (tons/yr) = annual Operating Rate (ton/yr) * Emission Factor (lb/ton) * (1-Capture Efficiency) * (ton/2,000 lbs)

COMPANY		FACILITY NAME	
American Plant Food River Partners LLC		AMS Production Facility and Material Handling Transportation Facility	
DESCRIPTIVE NAME OF EMISSION POINT	EMISSION POINT ID	TEMPO ID	Project No.: 691-013
Belt Conveyor - Belt Transfer to AMS STL-01 Loadout	SBC-05	TBD	Date: Oct 2023
			By: RNA

Source Description:

This source represents emissions from the transfer of product to AMS STL-01 loadout. This is a belt conveyor.

Application Updates:

This is a new source.

Operating Data[1]		
Operating Rate	800.00	ton/hr
	94,500	ton/yr
	118	hr/yr
Moisture	0.5	%
Wind Speed	8.1	mph
Capture Efficiency[2]	95%	

Emission Totals:

Pollutant	Emission Factor	Reference	Emission Rates[4] Avg (lb/hr)	Max (lb/hr)	Annual (tons/yr)
$PM_{2.5}$	0.0022 lb/ton	Note 3	0.09	0.09	0.01
PM_{10}	0.0146 lb/ton	Note 3	0.58	0.58	0.03

REFERENCE/NOTES

1) Provided by American Plant Food River Partners.
2) Fully-enclosed building with additional enclosures at transfer levels provides 95% control.
3) Formula from AP-42, Table 13.2.4 (January 1995):
E = K (0.0032) * ((U/5)^1.3) / ((M/2)^1.4)
where E = Emission Factor, lb/ton
k = particle size multiplier:
$PM_{2.5}$ 0.053
PM_{10} 0.35
U = Wind speed mph AP-42, Chapter 7.1 for New Orleans, LA
M = Moisture from product analysis, %
Emissions are for Ammonium Sulfate (AMS), which represents the highest emission rate of all possible products
4) Emission Rates (ER) calculated as follows:
ER_{Avg} (lb/hr) = Hourly Operating Rate (ton/hr) * Emission Factor (lb/ton) * (1-Capture Efficiency)
ER_{Max} (lb/hr) = ER_{Avg} (lbs/hr)
ER_{Annual} (tons/yr) = annual Operating Rate (ton/yr) * Emission Factor (lb/ton) * (1-Capture Efficiency) * (ton/2,000 lbs)

COMPANY		FACILITY NAME	
American Plant Food River Partners LLC		AMS Production Facility and Material Handling Transportation Facility	
DESCRIPTIVE NAME OF EMISSION POINT	EMISSION POINT ID	TEMPO ID	Project No.: 691-013
Belt Conveyor - Reclaim Belt Conveyor for Barge Loadout	SBC-06	TBD	Date: Oct 2023
			By: RNA

Source Description:

This source represents emissions from the transfer of product from the reclaim belt conveyor for barge loadout. This is a belt conveyor.

Application Updates:

This is a new source.

Operating Data[1]		
Operating Rate	800.00	ton/hr
	441,000	ton/yr
	551	hr/yr
Moisture	0.5	%
Wind Speed	8.1	mph
Capture Efficiency[2]	95%	

Emission Totals:

Pollutant	Emission Factor	Reference	Emission Rates[4] Avg (lb/hr)	Max (lb/hr)	Annual (tons/yr)
$PM_{2.5}$	0.0022 lb/ton	Note 3	0.09	0.09	0.02
PM_{10}	0.0146 lb/ton	Note 3	0.58	0.58	0.16

REFERENCE/NOTES

1) Provided by American Plant Food River Partners.
2) Fully-enclosed building with additional enclosures at transfer levels provides 95% control.
3) Formula from AP-42, Table 13.2.4 (January 1995):
E = K (0.0032) * ((U/5)^1.3) / ((M/2)^1.4)
where E = Emission Factor, lb/ton
k = particle size multiplier:
$PM_{2.5}$ 0.053
PM_{10} 0.35
U = Wind speed mph AP-42, Chapter 7.1 for New Orleans, LA
M = Moisture from product analysis, %
Emissions are for Ammonium Sulfate (AMS), which represents the highest emission rate of all possible products
4) Emission Rates (ER) calculated as follows:
ER_{Avg} (lb/hr) = Hourly Operating Rate (ton/hr) * Emission Factor (lb/ton) * (1-Capture Efficiency)
ER_{Max} (lb/hr) = ER_{Avg} (lbs/hr)
ER_{Annual} (tons/yr) = annual Operating Rate (ton/yr) * Emission Factor (lb/ton) * (1-Capture Efficiency) * (ton/2,000 lbs)

COMPANY		FACILITY NAME	
American Plant Food River Partners LLC		AMS Production Facility and Material Handling Transportation Facility	
DESCRIPTIVE NAME OF EMISSION POINT	EMISSION POINT ID	TEMPO ID	Project No 691-013
Belt Conveyor - Transfer to Barge Loading	SBC-07	TBD	Date: Oct 2023
			By: RNA

Source Description:

This source represents emissions from the transfer of product to barge loading. This is a belt conveyor.

Application Updates:

This is a new source.

Operating Data[1]		
Operating Rate	800.00	ton/hr
	441,000	ton/yr
	551	hr/yr
Moisture	0.5	%
Wind Speed	8.1	mph
Capture Efficiency[2]	95%	

Emission Totals:

Pollutant	Emission Factor	Reference	Emission Rates[4] Avg (lb/hr)	Max (lb/hr)	Annual (tons/yr)
$PM_{2.5}$	0.0022 lb/ton	Note 3	0.09	0.09	0.02
PM_{10}	0.0146 lb/ton	Note 3	0.58	0.58	0.16

REFERENCE/NOTES

1) Provided by American Plant Food River Partners.
2) Fully-enclosed building with additional enclosures at transfer levels provides 95% control.
3) Formula from AP-42, Table 13.2.4 (January 1995):
E = K (0.0032) * ((U/5)^1.3) / ((M/2)^1.4)
where E = Emission Factor, lb/ton
k = particle size multiplier:
$PM_{2.5}$ 0.053
PM_{10} 0.35
U = Wind speed mph AP-42, Chapter 7.1 for New Orleans, LA
M = Moisture from product analysis, %
Emissions are for Ammonium Sulfate (AMS), which represents the highest emission rate of all possible products
4) Emission Rates (ER) calculated as follows:
ER_{Avg} (lb/hr) = Hourly Operating Rate (ton/hr) * Emission Factor (lb/ton) * (1-Capture Efficiency)
ER_{Max} (lb/hr) = ER_{Avg} (lbs/hr)
ER_{Annual} (tons/yr) = annual Operating Rate (ton/yr) * Emission Factor (lb/ton) * (1-Capture Efficiency) * (ton/2,000 lbs)

COMPANY		FACILITY NAME	
American Plant Food River Partners LLC		AMS Production Facility and Material Handling Transportation Facility	
DESCRIPTIVE NAME OF EMISSION POINT	EMISSION POINT ID	TEMPO ID	Project No.: 691-013
Belt Conveyor - Shuttle Conveyor for Barge Loading	SBC-08	TBD	Date: Oct 2023
			By: RNA

Source Description:

This source represents emissions from the transfer of product from the shuttle conveyor for barge loading. This is a belt conveyor.

Application Updates:

This is a new source.

Operating Data[1]		
Operating Rate	800.00	ton/hr
	441,000	ton/yr
	551	hr/yr
Moisture	0.5	%
Wind Speed	8.1	mph
Capture Efficiency[2]	95%	

Emission Totals:

Pollutant	Emission Factor	Reference	Emission Rates[4] Avg (lb/hr)	Max (lb/hr)	Annual (tons/yr)
$PM_{2.5}$	0.0022 lb/ton	Note 3	0.09	0.09	0.02
PM_{10}	0.0146 lb/ton	Note 3	0.58	0.58	0.16

REFERENCE/NOTES

1) Provided by American Plant Food River Partners.
2) Fully-enclosed building with additional enclosures at transfer levels provides 95% control.
3) Formula from AP-42, Table 13.2.4 (January 1995):
E = K (0.0032) * ((U/5)^1.3) / ((M/2)^1.4)
where E = Emission Factor, lb/ton
k = particle size multiplier:
$PM_{2.5}$ 0.053
PM_{10} 0.35
U = Wind speed mph AP-42, Chapter 7.1 for New Orleans, LA
M = Moisture from product analysis, %
Emissions are for Ammonium Sulfate (AMS), which represents the highest emission rate of all possible products
4) Emission Rates (ER) calculated as follows:
ER_{Avg} (lb/hr) = Hourly Operating Rate (ton/hr) * Emission Factor (lb/ton) * (1-Capture Efficiency)
ER_{Max} (lb/hr) = ER_{Avg} (lbs/hr)
ER_{Annual} (tons/yr) = annual Operating Rate (ton/yr) * Emission Factor (lb/ton) * (1-Capture Efficiency) * (ton/2,000 lbs)

COMPANY		FACILITY NAME	
American Plant Food River Partners LLC		AMS Production Facility and Material Handling Transportation Facility	
DESCRIPTIVE NAME OF EMISSION POINT	EMISSION POINT ID	TEMPO ID	Project No.: 691-013
Bucket Elevator to AMS STL-01 Loadout	SBE-01	TBD	Date: Oct 2023
			By: RNA

Source Description:

This source represents emissions from the transfer of product from the bucket elevator to AMS STL-01 loadout.

Application Updates:

This is a new source.

Operating Data[1]		
Operating Rate	800.00	ton/hr
	189,000	ton/yr
	236	hr/yr
Moisture	0.5	%
Wind Speed	8.1	mph
Capture Efficiency[2]	95%	

Emission Totals:

Pollutant	Emission Factor	Reference	Emission Rates[4] Avg (lb/hr)	Max (lb/hr)	Annual (tons/yr)
$PM_{2.5}$	0.0022 lb/ton	Note 3	0.09	0.09	0.01
PM_{10}	0.0146 lb/ton	Note 3	0.58	0.58	0.07

REFERENCE/NOTES

1) Provided by American Plant Food River Partners.
2) Fully-enclosed building with additional enclosures at transfer levels provides 95% control.
3) Formula from AP-42, Table 13.2.4 (January 1995):
E = K (0.0032) * ((U/5)^1.3) / ((M/2)^1.4)
where E = Emission Factor, lb/ton
k = particle size multiplier:
$PM_{2.5}$ 0.053
PM_{10} 0.35
U = Wind speed mph AP-42, Chapter 7.1 for New Orleans, LA
M = Moisture from product analysis, %
Emissions are for Ammonium Sulfate (AMS), which represents the highest emission rate of all possible products
4) Emission Rates (ER) calculated as follows:
ER_{Avg} (lb/hr) = Hourly Operating Rate (ton/hr) * Emission Factor (lb/ton) * (1-Capture Efficiency)
ER_{Max} (lb/hr) = ER_{Avg} (lbs/hr)
ER_{Annual} (tons/yr) = annual Operating Rate (ton/yr) * Emission Factor (lb/ton) * (1-Capture Efficiency) * (ton/2,000 lbs)

COMPANY		FACILITY NAME	
American Plant Food River Partners LLC		AMS Production Facility and Material Handling Transportation Facility	
DESCRIPTIVE NAME OF EMISSION POINT	EMISSION POINT ID	TEMPO ID	Project No.: 691-013
Bucket Elevator to AMS STL-02 Loadout	SBE-02	TBD	Date: Oct 2023
			By: RNA

Source Description:

This source represents emissions from the transfer of product from the bucket elevator to AMS STL-02 loadout.

Application Updates:

This is a new source.

Operating Data[1]		
Operating Rate	800.00	ton/hr
	189,000	ton/yr
	236	hr/yr
Moisture	0.5	%
Wind Speed	8.1	mph
Capture Efficiency[2]	95%	

Emission Totals:

Pollutant	Emission Factor	Reference	Emission Rates[4] Avg (lb/hr)	Max (lb/hr)	Annual (tons/yr)
$PM_{2.5}$	0.0022 lb/ton	Note 3	0.09	0.09	0.01
PM_{10}	0.0146 lb/ton	Note 3	0.58	0.58	0.07

REFERENCE/NOTES

1) Provided by American Plant Food River Partners.
2) Fully-enclosed building with additional enclosures at transfer levels provides 95% control.
3) Formula from AP-42, Table 13.2.4 (January 1995):
E = K (0.0032) * ((U/5)^1.3) / ((M/2)^1.4)
where E = Emission Factor, lb/ton
k = particle size multiplier:
$PM_{2.5}$ 0.053
PM_{10} 0.35
U = Wind speed mph AP-42, Chapter 7.1 for New Orleans, LA
M = Moisture from product analysis, %
Emissions are for Ammonium Sulfate (AMS), which represents the highest emission rate of all possible products
4) Emission Rates (ER) calculated as follows:
ER_{Avg} (lb/hr) = Hourly Operating Rate (ton/hr) * Emission Factor (lb/ton) * (1-Capture Efficiency)
ER_{Max} (lb/hr) = ER_{Avg} (lbs/hr)
ER_{Annual} (tons/yr) = annual Operating Rate (ton/yr) * Emission Factor (lb/ton) * (1-Capture Efficiency) * (ton/2,000 lbs)

COMPANY		FACILITY NAME	
American Plant Food River Partners LLC		AMS Production Facility and Material Handling Transportation Facility	
DESCRIPTIVE NAME OF EMISSION POINT	EMISSION POINT ID	TEMPO ID	Project No.: 691-013
Barge Loader	SBL-01	TBD	Date: Oct 2023
			By: RNA

Source Description:

This source represents emissions from the transfer of product from the barge loader.

Application Updates:

This is a new source.

Operating Data[1]		
Operating Rate	800.00	ton/hr
	441,000	ton/yr
	551	hr/yr
Moisture	0.5	%
Wind Speed	8.1	mph
Capture Efficiency[2]	95%	

Emission Totals:

Pollutant	Emission Factor	Reference	Emission Rates[4] Avg (lb/hr)	Max (lb/hr)	Annual (tons/yr)
$PM_{2.5}$	0.0022 lb/ton	Note 3	0.09	0.09	0.02
PM_{10}	0.0146 lb/ton	Note 3	0.58	0.58	0.16

REFERENCE/NOTES

1) Provided by American Plant Food River Partners.
2) Fully-enclosed building with additional enclosures at transfer levels provides 95% control.
3) Formula from AP-42, Table 13.2.4 (January 1995):
E = K (0.0032) * ((U/5)^1.3) / ((M/2)^1.4)
where E = Emission Factor, lb/ton
k = particle size multiplier:
$PM_{2.5}$ 0.053
PM_{10} 0.35
U = Wind speed mph AP-42, Chapter 7.1 for New Orleans, LA
M = Moisture from product analysis, %
Emissions are for Ammonium Sulfate (AMS), which represents the highest emission rate of all possible products
4) Emission Rates (ER) calculated as follows:
ER_{Avg} (lb/hr) = Hourly Operating Rate (ton/hr) * Emission Factor (lb/ton) * (1-Capture Efficiency)
ER_{Max} (lb/hr) = ER_{Avg} (lbs/hr)
ER_{Annual} (tons/yr) = annual Operating Rate (ton/yr) * Emission Factor (lb/ton) * (1-Capture Efficiency) * (ton/2,000 lbs)

COMPANY		FACILITY NAME	
American Plant Food River Partners LLC		AMS Production Facility and Material Handling Transportation Facility	
DESCRIPTIVE NAME OF EMISSION POINT	EMISSION POINT ID	TEMPO ID	Project No.: 691-013
Bulk Toters	SBT-1,2,3,4	TBD	Date: Oct 2023
			By: RNA

Source Description:

This source represents emissions from the transfer of product from the hoppers to the bulk toters. It is enclosed in the AMS Storage Warehouse.

Application Updates:

This is a new source.

Operating Data[1]		
Operating Rate	800.00	ton/hr
	500,000	ton/yr
	625	hr/yr
Moisture	0.5	%
Wind Speed	8.1	mph
Capture Efficiency[2]	95%	

Emission Totals:

Pollutant	Emission Factor	Reference	Emission Rates[4] Avg (lb/hr)	Max (lb/hr)	Annual (tons/yr)
$PM_{2.5}$	0.0022 lb/ton	Note 3	0.09	0.09	0.03
PM_{10}	0.0146 lb/ton	Note 3	0.58	0.58	0.18

REFERENCE/NOTES

1) Provided by American Plant Food River Partners.
2) Fully-enclosed building with additional enclosures at transfer levels provides 95% control.
3) Formula from AP-42, Table 13.2.4 (January 1995):
E = K (0.0032) * ((U/5)^1.3) / ((M/2)^1.4)
where E = Emission Factor, lb/ton
k = particle size multiplier:
$PM_{2.5}$ 0.053
PM_{10} 0.35
U = Wind speed mph AP-42, Chapter 7.1 for New Orleans, LA
M = Moisture from product analysis, %
Emissions are for Ammonium Sulfate (AMS), which represents the highest emission rate of all possible products
4) Emission Rates (ER) calculated as follows:
ER_{Avg} (lb/hr) = Hourly Operating Rate (ton/hr) * Emission Factor (lb/ton) * (1-Capture Efficiency)
ER_{Max} (lb/hr) = ER_{Avg} (lbs/hr)
ER_{Annual} (tons/yr) = annual Operating Rate (ton/yr) * Emission Factor (lb/ton) * (1-Capture Efficiency) * (ton/2,000 lbs)

COMPANY		FACILITY NAME	
American Plant Food River Partners LLC		AMS Production Facility and Material Handling Transportation Facility	
DESCRIPTIVE NAME OF EMISSION POINT	EMISSION POINT ID	TEMPO ID	Project No.: 691-013
Drag Conveyors	SDC-1,2,3,4	TBD	Date: Oct 2023
			By: RNA

Source Description:

This source represents emissions from the transfer of product from the bulk toters to the drag conveyors. It is enclosed in the AMS Storage Warehouse.

Application Updates:

This is a new source.

Operating Data[1]		
Operating Rate	800.00	ton/hr
	500,000	ton/yr
	625	hr/yr
Moisture	0.5	%
Wind Speed	8.1	mph
Capture Efficiency[2]	95%	

Emission Totals:

Pollutant	Emission Factor	Reference	Emission Rates[4] Avg (lb/hr)	Max (lb/hr)	Annual (tons/yr)
$PM_{2.5}$	0.0022 lb/ton	Note 3	0.09	0.09	0.03
PM_{10}	0.0146 lb/ton	Note 3	0.58	0.58	0.18

REFERENCE/NOTES

1) Provided by American Plant Food River Partners.
2) Fully-enclosed building with additional enclosures at transfer levels provides 95% control.
3) Formula from AP-42, Table 13.2.4 (January 1995):
E = K (0.0032) * ((U/5)^1.3) / ((M/2)^1.4)
where E = Emission Factor, lb/ton
k = particle size multiplier:
$PM_{2.5}$ 0.053
PM_{10} 0.35
U = Wind speed mph AP-42, Chapter 7.1 for New Orleans, LA
M = Moisture from product analysis, %
Emissions are for Ammonium Sulfate (AMS), which represents the highest emission rate of all possible products
4) Emission Rates (ER) calculated as follows:
ER_{Avg} (lb/hr) = Hourly Operating Rate (ton/hr) * Emission Factor (lb/ton) * (1-Capture Efficiency)
ER_{Max} (lb/hr) = ER_{Avg} (lbs/hr)
ER_{Annual} (tons/yr) = annual Operating Rate (ton/yr) * Emission Factor (lb/ton) * (1-Capture Efficiency) * (ton/2,000 lbs)

COMPANY		FACILITY NAME	
American Plant Food River Partners LLC		AMS Production Facility and Material Handling Transportation Facility	
DESCRIPTIVE NAME OF EMISSION POINT	EMISSION POINT ID	TEMPO ID	Project No.: 691-013
Hoppers 1,2,3,4	SHC-1,2,3,4	TBD	Date: Oct 2023
			By: RNA

Source Description:

This source represents emissions from the transfer of product from front end loaders to the hoppers. It is enclosed in the AMS Storage Warehouse.

Application Updates:

This is a new source.

Operating Data[1]		
Operating Rate	800.00	ton/hr
	500,000	ton/yr
	625	hr/yr
Moisture	0.5	%
Wind Speed	8.1	mph
Capture Efficiency[2]	95%	

Emission Totals:

Pollutant	Emission Factor	Reference	Emission Rates[4] Avg (lb/hr)	Max (lb/hr)	Annual (tons/yr)
$PM_{2.5}$	0.0022 lb/ton	Note 3	0.09	0.09	0.03
PM_{10}	0.0146 lb/ton	Note 3	0.58	0.58	0.18

REFERENCE/NOTES

1) Provided by American Plant Food River Partners.
2) Fully-enclosed building with additional enclosures at transfer levels provides 95% control.
3) Formula from AP-42, Table 13.2.4 (January 1995):
E = K (0.0032) * ((U/5)^1.3) / ((M/2)^1.4)
where E = Emission Factor, lb/ton
k = particle size multiplier:
$PM_{2.5}$ 0.053
PM_{10} 0.35
U = Wind speed mph AP-42, Chapter 7.1 for New Orleans, LA
M = Moisture from product analysis, %
Emissions are for Ammonium Sulfate (AMS), which represents the highest emission rate of all possible products
4) Emission Rates (ER) calculated as follows:
ER_{Avg} (lb/hr) = Hourly Operating Rate (ton/hr) * Emission Factor (lb/ton) * (1-Capture Efficiency)
ER_{Max} (lb/hr) = ER_{Avg} (lbs/hr)
ER_{Annual} (tons/yr) = annual Operating Rate (ton/yr) * Emission Factor (lb/ton) * (1-Capture Efficiency) * (ton/2,000 lbs)

COMPANY		FACILITY NAME	
American Plant Food River Partners LLC		AMS Production Facility and Material Handling Transportation Facility	
DESCRIPTIVE NAME OF EMISSION POINT	EMISSION POINT ID	TEMPO ID	Project No.: 691-013
Hoppers 5,6,7,8	SHC-5,6,7,8	TBD	Date: Oct 2023
			By: RNA

Source Description:

This source represents emissions from the transfer of product from front end loaders to the hoppers. It is enclosed in the AMS Storage Warehouse.

Application Updates:

This is a new source.

Operating Data[1]		
Operating Rate	800.00	ton/hr
	94,500	ton/yr
	118	hr/yr
Moisture	0.5	%
Wind Speed	8.1	mph
Capture Efficiency[2]	95%	

Emission Totals:

Pollutant	Emission Factor	Reference	Emission Rates[4] Avg (lb/hr)	Max (lb/hr)	Annual (tons/yr)
$PM_{2.5}$	0.0022 lb/ton	Note 3	0.09	0.09	0.01
PM_{10}	0.0146 lb/ton	Note 3	0.58	0.58	0.03

REFERENCE/NOTES

1) Provided by American Plant Food River Partners.
2) Fully-enclosed building with additional enclosures at transfer levels provides 95% control.
3) Formula from AP-42, Table 13.2.4 (January 1995):
E = K (0.0032) * ((U/5)^1.3) / ((M/2)^1.4)
where E = Emission Factor, lb/ton
k = particle size multiplier:
$PM_{2.5}$ 0.053
PM_{10} 0.35
U = Wind speed mph AP-42, Chapter 7.1 for New Orleans, LA
M = Moisture from product analysis, %
Emissions are for Ammonium Sulfate (AMS), which represents the highest emission rate of all possible products
4) Emission Rates (ER) calculated as follows:
ER_{Avg} (lb/hr) = Hourly Operating Rate (ton/hr) * Emission Factor (lb/ton) * (1-Capture Efficiency)
ER_{Max} (lb/hr) = ER_{Avg} (lbs/hr)
ER_{Annual} (tons/yr) = annual Operating Rate (ton/yr) * Emission Factor (lb/ton) * (1-Capture Efficiency) * (ton/2,000 lbs)

COMPANY		FACILITY NAME	
American Plant Food River Partners LLC		AMS Production Facility and Material Handling Transportation Facility	
DESCRIPTIVE NAME OF EMISSION POINT	EMISSION POINT ID	TEMPO ID	Project No.: 691-013
AMS Rail Loading Station #1	SRL-01	TBD	Date: Oct 2023
			By: RNA

Source Description:

This source represents emissions from the transfer of product from the AMS rail loading station #1.

Application Updates:

This is a new source.

Operating Data[1]		
Operating Rate	800.00	ton/hr
	94,500	ton/yr
	118	hr/yr
Moisture	0.5	%
Wind Speed	8.1	mph
Capture Efficiency[2]	99%	

Emission Totals:

Pollutant	Emission Factor	Reference	Emission Rates[4] Avg (lb/hr)	Max (lb/hr)	Annual (tons/yr)
$PM_{2.5}$	0.0022 lb/ton	Note 3	0.02	0.02	0.001
PM_{10}	0.0146 lb/ton	Note 3	0.12	0.12	0.01

REFERENCE/NOTES

1) Provided by American Plant Food River Partners.
2) Controlled by using loading spout with inline filter.
3) Formula from AP-42, Table 13.2.4 (January 1995):
E = K (0.0032) * ((U/5)^1.3) / ((M/2)^1.4)
where E = Emission Factor, lb/ton
k = particle size multiplier:
$PM_{2.5}$ 0.053
PM_{10} 0.35
U = Wind speed mph AP-42, Chapter 7.1 for New Orleans, LA
M = Moisture from product analysis, %
Emissions are for Ammonium Sulfate (AMS), which represents the highest emission rate of all possible products
4) Emission Rates (ER) calculated as follows:
ER_{Avg} (lb/hr) = Hourly Operating Rate (ton/hr) * Emission Factor (lb/ton) * (1-Capture Efficiency)
ER_{Max} (lb/hr) = ER_{Avg} (lbs/hr)
ER_{Annual} (tons/yr) = annual Operating Rate (ton/yr) * Emission Factor (lb/ton) * (1-Capture Efficiency) * (ton/2,000 lbs)

COMPANY		FACILITY NAME	
American Plant Food River Partners LLC		AMS Production Facility and Material Handling Transportation Facility	
DESCRIPTIVE NAME OF EMISSION POINT	EMISSION POINT ID	TEMPO ID	Project No.: 691-013
Equipment Vent Baghouse Exhauster #1	ST-140	TBD	Date: Oct 2023
			By: RNA

Source Description:

This source represents emissions from the cyclone/baghouse controlling dust emissions inside Granulation Plant #1. Emissions from all material transfer sources are captured at 99.9%. Uncaptured emissions are represented in GP1-Fug. The sources controlled are: BC-102, BC-114, BC-115, BC-121, BC-146, BC-155, BE-105, BE-131, BE-154, CR-108A, CR-108B, DR-100, DR-101, DR-120, DR-130, DV-132, GR-100, SN-106A, SN-106B, SN-107A, SN-107B, SP-109, SP-110A, SP-110B, SP-122.

Application Updates:

This is a new source.

Operating Data[1]		
Air Flow	53,261	acfm
	52,795	dscfm[1]
	70	°F
	0.50	% moisture[2]
	0.01	Volume fraction moisture
Operating Hours	8,760	hr/yr
Conversion Factor	7,000	gr/lb

Emission Totals:

Pollutant	Emission Factor	Reference	Emission Rates[4] Avg (lb/hr)	Max (lb/hr)	Annual (tons/yr)
$PM_{2.5}$	0.0009 gr/dscf	Note 3	0.41	0.41	1.78
PM_{10}	0.0009 gr/dscf	Note 3	0.41	0.41	1.78

REFERENCE/NOTES

1) Provided by American Plant Food River Partners.
2) Performance criteria from ACT's "4003- Preliminary Engineering Report- August 8, 2022"
3) The $PM_{2.5}$ and PM_{10} gr/dscf emission factor is based on manufacturer's specifications.
4) Emission Rates (ER) calculated as follows:

Er_{avg}(lb/hr) = Emission Factor (gr/dscf) * (lb/7000 gr) * (dscf/min) x (60 min/hr)

ER_{max}(lb/hr) = ER_{avg}(lb/hr)

ER_{Annual} (tons/yr) = ER_{max} (lb/hr) * Operating Hours (hr/yr) / 2,000 (lb/ton)

COMPANY		FACILITY NAME	
American Plant Food River Partners LLC		AMS Production Facility and Material Handling Transportation Facility	
DESCRIPTIVE NAME OF EMISSION POINT	EMISSION POINT ID	TEMPO ID	Project No.: 691-013
Equipment Vent Baghouse Exhauster #2	ST-240	TBD	Date: Oct 2023
			By: RNA

Source Description:

This source represents emissions from the cyclone/baghouse controlling dust emissions inside Granulation Plant #2. Emissions from all material transfer sources are captured at 99.9%. Uncaptured emissions are represented in GP2-Fug. The sources controlled are: BC-202, BC-214, BC-215, BC-221, BC-246, BC-255, BE-205, BE-231, BE-254, CR-208A, CR-208B, DR-200, DR-201, DR-220, DR-230, DV-232, GR-200, SN-206A, SN-206B, SN-207A, SN-207B, SP-209, SP-210A, SP-210B, SP-222.

Application Updates:

This is a new source.

Operating Data[1]		
Air Flow	53,261	acfm
	52,795	dscfm[1]
	70	°F
	0.50	% moisture[2]
	0.01	Volume fraction moisture
Operating Hours	8,760	hr/yr
Conversion Factor	7,000	gr/lb

Emission Totals:

Pollutant	Emission Factor	Reference	Emission Rates[4] Avg (lb/hr)	Max (lb/hr)	Annual (tons/yr)
$PM_{2.5}$	0.0009 gr/dscf	Note 3	0.41	0.41	1.78
PM_{10}	0.0009 gr/dscf	Note 3	0.41	0.41	1.78

REFERENCE/NOTES

1) Provided by American Plant Food River Partners.
2) Performance criteria from ACT's "4003- Preliminary Engineering Report- August 8, 2022"
3) The $PM_{2.5}$ and PM_{10} gr/dscf emission factor is based on manufacturer's specifications.
4) Emission Rates (ER) calculated as follows:

Er_{avg}(lb/hr) = Emission Factor (gr/dscf) * (lb/7000 gr) * (dscf/min) x (60 min/hr)

ER_{max}(lb/hr) = ER_{avg}(lb/hr)

ER_{Annual} (tons/yr) = ER_{max} (lb/hr) * Operating Hours (hr/yr) / 2,000 (lb/ton)

COMPANY		FACILITY NAME	
American Plant Food River Partners LLC		AMS Production Facility and Material Handling Transportation Facility	
DESCRIPTIVE NAME OF EMISSION POINT	EMISSION POINT ID	TEMPO ID	Project No.: 691-013
Venturi Scrubber Stack #1	ST-141	TBD	Date: Oct 2023
			By: RNA

Source Description:

This source represents emissions from the cyclone/venturi scrubber controlling dust emissions inside Granulation Plant #1. Emissions from all material transfer sources are captured at 99.9%. Uncaptured emissions are represented in GP1-Fug. The sources controlled are: BC-102, BC-114, BC-115, BC-121, BC-146, BC-155, BE-105, BE-131, BE-154, CR-108A, CR-108B, DR-100, DR-101, DR-120, DR-130, DV-132, GR-100, SN-106A, SN-106B, SN-107A, SN-107B, SP-109, SP-110A, SP-110B, SP-122.

Application Updates:

This is a new source.

Operating Data[1]		
Air Flow	47,695	acfm
	47,277	dscfm[1]
	70	°F
	0.50	% moisture[2]
	0.01	Volume fraction moisture
Operating Hours	8,760	hr/yr
Conversion Factor	7,000	gr/lb

Emission Totals:

Pollutant	Emission Factor	Reference	Emission Rates[4] Avg (lb/hr)	Max (lb/hr)	Annual (tons/yr)
$PM_{2.5}$	0.0009 gr/dscf	Note 3	0.36	0.36	1.60
PM_{10}	0.0009 gr/dscf	Note 3	0.36	0.36	1.60

REFERENCE/NOTES

1) Provided by American Plant Food River Partners.
2) Performance criteria from ACT's "4003- Preliminary Engineering Report- August 8, 2022"
3) The $PM_{2.5}$ and PM_{10} gr/dscf emission factor is based on manufacturer's specifications.
4) Emission Rates (ER) calculated as follows:

Er_{avg}(lb/hr) = Emission Factor (gr/dscf) * (lb/7000 gr) * (dscf/min) * (60 min/hr)

ER_{max}(lb/hr) = ER_{avg}(lb/hr)

ER_{Annual} (tons/yr) = ER_{max} (lb/hr) * Operating Hours (hr/yr) / 2,000 (lb/ton)

COMPANY		FACILITY NAME	
American Plant Food River Partners LLC		AMS Production Facility and Material Handling Transportation Facility	
DESCRIPTIVE NAME OF EMISSION POINT	EMISSION POINT ID	TEMPO ID	Project No.: 691-013
Venturi Scrubber Stack #2	ST-241	TBD	Date: Oct 2023
			By: RNA

Source Description:

This source represents emissions from the cyclone/venturi scrubber controlling dust emissions inside Granulation Plant #2. Emissions from all material transfer sources are captured at 99.9%. Uncaptured emissions are represented in GP1-Fug. The sources controlled are: BC-202, BC-214, BC-215, BC-221, BC-246, BC-255, BE-205, BE-231, BE-254, CR-208A, CR-208B, DR-200, DR-201, DR-220, DR-230, DV-232, GR-200, SN-206A, SN-206B, SN-207A, SN-207B, SP-209, SP-210A, SP-210B, SP-222.

Application Updates:

This is a new source.

Operating Data[1]		
Air Flow	47,695	acfm
	47,277	dscfm[1]
	70	°F
	0.50	% moisture[2]
	0.01	Volume fraction moisture
Operating Hours	8,760	hr/yr
Conversion Factor	7,000	gr/lb

Emission Totals:

Pollutant	Emission Factor	Reference	Emission Rates[4] Avg (lb/hr)	Max (lb/hr)	Annual (tons/yr)
$PM_{2.5}$	0.0009 gr/dscf	Note 3	0.36	0.36	1.60
PM_{10}	0.0009 gr/dscf	Note 3	0.36	0.36	1.60

REFERENCE/NOTES

1) Provided by American Plant Food River Partners.
2) Performance criteria from ACT's "4003- Preliminary Engineering Report- August 8, 2022"
3) The $PM_{2.5}$ and PM_{10} gr/dscf emission factor is based on manufacturer's specifications.
4) Emission Rates (ER) calculated as follows:

Er_{avg}(lb/hr) = Emission Factor (gr/dscf) * (lb/7000 gr) * (dscf/min) * (60 min/hr)

ER_{max}(lb/hr) = ER_{avg}(lb/hr)

ER_{Annual} (tons/yr) = ER_{max} (lb/hr) * Operating Hours (hr/yr) / 2,000 (lb/ton)

COMPANY		FACILITY NAME	
American Plant Food River Partners LLC		AMS Production Facility and Material Handling Transportation Facility	
DESCRIPTIVE NAME OF EMISSION POINT	EMISSION POINT ID	TEMPO ID	Project No.: 691-013
NH3 Scrubber Stack #1	ST-153	TBD	Date: Sep 2023
			By: RNA

Source Description:

This source represents emissions from the scrubber controlling ammonia emissions inside Granulation Plant #1. 100% capture is assumed. The sources controlled are: BC-102, BC-114, BC-115, BC-121, BC-146, BC-155, BE-105, BE-131, BE-154, CR-108A, CR-108B, DR-100, DR-101, DR-120, DR-130, DV-132, GR-100, SN-106A, SN-106B, SN-107A, SN-107B, SP-109, SP-110A, SP-110B, SP-122.

Application Updates:

This is a new source.

Operating Data[1]		
Feed rate	658	lb/hr
Control efficiency	99.99%	
Air Flow	23,563	acfm
	23,357	dscfm[1]
	70	°F
	0.50	% moisture[5]
	0.01	Volume fraction moisture
Conversion Factor	7,000	gr/lb
Operating Hours	8,760	hr/yr

Emission Totals:

Pollutant	Emission Factor		Reference	Emission Rates[2,4] Avg (lb/hr)	Max (lb/hr)	Annual (tons/yr)
$PM_{2.5}$	0.0009	gr/dscf	Note 3	0.18	0.18	0.79
PM_{10}	0.0009	gr/dscf	Note 3	0.18	0.18	0.79
Ammonia	658	lb/hr	Note 1	0.07	0.07	0.29

REFERENCE/NOTES

1) Provided by American Plant Food River Partners.

2) Emission Rates (ER) calculated as follows:

Er_{avg}(lb/hr) = Emission Factor (lb/hr) * (1-control efficiency)

ER_{max}(lb/hr) = ER_{avg}(lb/hr)

ER_{Annual} (tons/yr) = ER_{max} (lb/hr) * Operating Hours (hr/yr) / 2,000 (lb/ton)

3) The $PM_{2.5}$ and PM_{10} gr/dscf emission factor is based on manufacturer's specifications.

4) Emission Rates (ER) calculated as follows:

ER_{avg}(lb/hr) = Emission Factor (gr/dscf) * (lb/7,000 gr) * (dscf/min) * (60 min/hr)

ER_{max}(lb/hr) = ER_{avg}(lb/hr)

ER_{Annual} (tons/yr) = ER_{max} (lb/hr) * Operating Hours (hr/yr) / 2,000 (lb/ton)

5) Performance criteria from ACT's "4003- Preliminary Engineering Report- August 8, 2022"

COMPANY		FACILITY NAME	
American Plant Food River Partners LLC		AMS Production Facility and Material Handling Transportation Facility	
DESCRIPTIVE NAME OF EMISSION POINT	EMISSION POINT ID	TEMPO ID	Project No.: 691-013
NH3 Scrubber Stack #2	ST-253	TBD	Date: Sep 2023
			By: RNA

Source Description:

This source represents emissions from the scrubber controlling ammonia emissions inside Granulation Plant #2. 100% capture is assumed. The sources controlled are: BC-202, BC-214, BC-215, BC-221, BC-246, BC-255, BE-205, BE-231, BE-254, CR-208A, CR-208B, DR-200, DR-201, DR-220, DR-230, DV-232, GR-200, SN-206A, SN-206B, SN-207A, SN-207B, SP-209, SP-210A, SP-210B, SP-222.

Application Updates:

This is a new source.

Operating Data[1]		
Feed rate	658	lb/hr
Control efficiency	99.99%	
Air Flow	23,563	acfm
	23,357	dscfm[1]
	70	°F
	0.50	% moisture[5]
	0.01	Volume fraction moisture
Conversion Factor	7,000	gr/lb
Operating Hours	8,760	hr/yr

Emission Totals:

Pollutant	Emission Factor		Reference	Emission Rates[2,4] Avg (lb/hr)	Max (lb/hr)	Annual (tons/yr)
$PM_{2.5}$	0.0009	gr/dscf	Note 3	0.18	0.18	0.79
PM_{10}	0.0009	gr/dscf	Note 3	0.18	0.18	0.79
Ammonia	658	lb/hr	Note 1	0.07	0.07	0.29

REFERENCE/NOTES

1) Provided by American Plant Food River Partners.

2) Emission Rates (ER) calculated as follows:

Er_{avg}(lb/hr) = Emission Factor (lb/hr) * (1-control efficiency)

ER_{max}(lb/hr) = ER_{avg}(lb/hr)

ER_{Annual} (tons/yr) = ER_{max} (lb/hr) * Operating Hours (hr/yr) / 2,000 (lb/ton)

3) The $PM_{2.5}$ and PM_{10} gr/dscf emission factor is based on manufacturer's specifications.

4) Emission Rates (ER) calculated as follows:

ER_{avg}(lb/hr) = Emission Factor (gr/dscf) * (lb/7,000 gr) * (dscf/min) * (60 min/hr)

ER_{max}(lb/hr) = ER_{avg}(lb/hr)

ER_{Annual} (tons/yr) = ER_{max} (lb/hr) * Operating Hours (hr/yr) / 2,000 (lb/ton)

5) Performance criteria from ACT's "4003- Preliminary Engineering Report- August 8, 2022"

COMPANY		FACILITY NAME	
American Plant Food River Partners LLC		AMS Production Facility and Material Handling Transportation Facility	
DESCRIPTIVE NAME OF EMISSION POINT	EMISSION POINT ID	TEMPO ID	Project No.: 691-013
AMS Truck Loading Station #1	STL-01	TBD	Date: Oct 2023
			By: RNA

Source Description:

This source represents emissions from the transfer of product from the AMS truck loading station #1.

Application Updates:

This is a new source.

Operating Data[1]		
Operating Rate	650.00	ton/hr
	94,500	ton/yr
Moisture	0.5	%
Wind Speed	8.1	mph
Capture Efficiency[2]	99%	

Emission Totals:

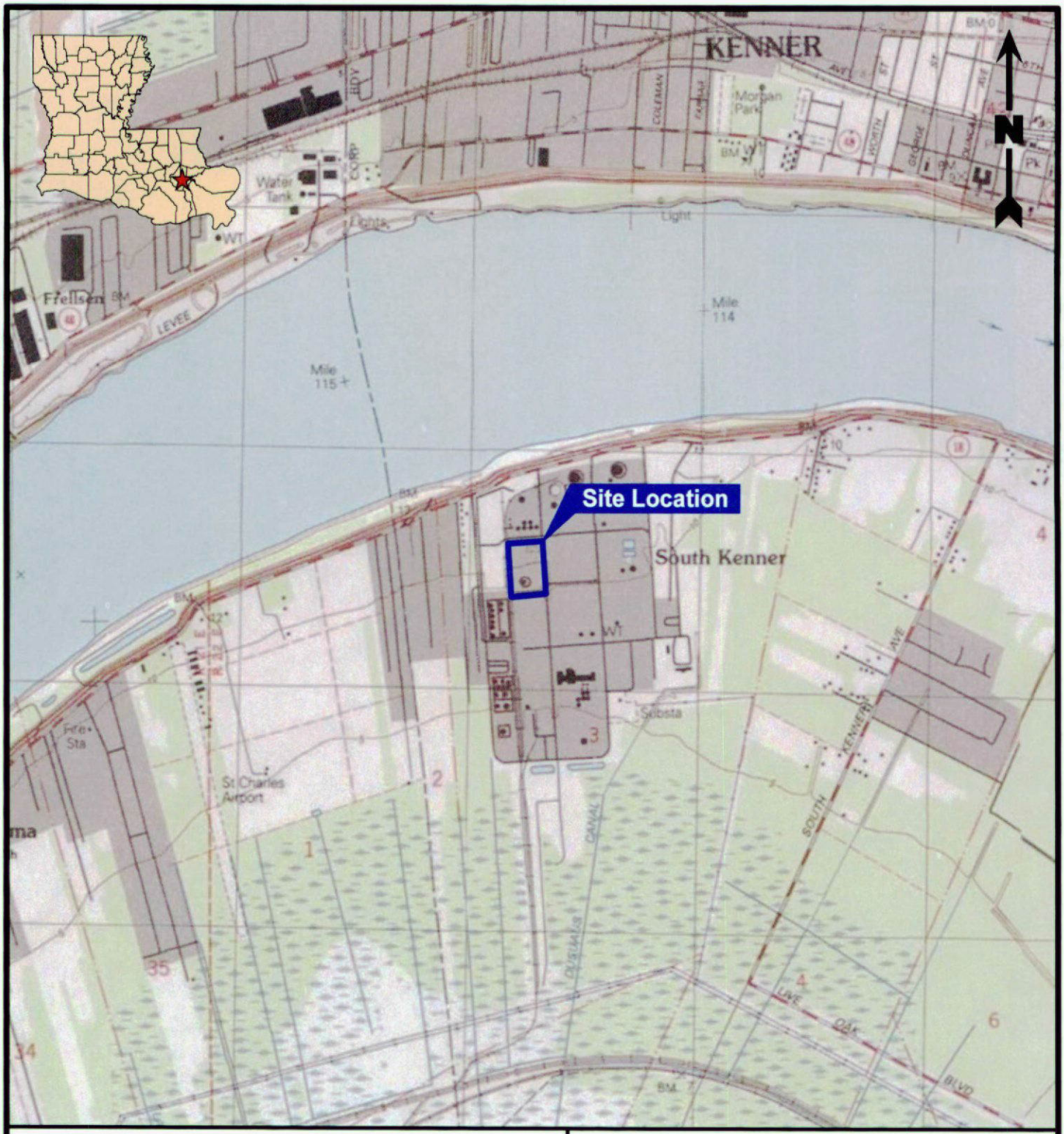
Pollutant	Emission Factor	Reference	Emission Rates[4] Avg (lb/hr)	Max (lb/hr)	Annual (tons/yr)
$PM_{2.5}$	0.0022 lb/ton	Note 3	0.01	0.01	0.001
PM_{10}	0.0146 lb/ton	Note 3	0.09	0.09	0.01

REFERENCE/NOTES

1) Provided by American Plant Food River Partners.
2) Controlled by using loading spout with inline filter.
3) Formula from AP-42, Table 13.2.4 (January 1995):
E = K (0.0032) * ((U/5)^1.3) / ((M/2)^1.4)
where E = Emission Factor, lb/ton
k = particle size multiplier:
$PM_{2.5}$ 0.053
PM_{10} 0.35
U = Wind speed mph AP-42, Chapter 7.1 for New Orleans, LA
M = Moisture from product analysis, %
Emissions are for Ammonium Sulfate (AMS), which represents the highest emission rate of all possible products
4) Emission Rates (ER) calculated as follows:
ER_{Avg} (lb/hr) = Hourly Operating Rate (ton/hr) * Emission Factor (lb/ton) * (1-Capture Efficiency)
ER_{Max} (lb/hr) = ER_{Avg} (lbs/hr)
ER_{Annual} (tons/yr) = annual Operating Rate (ton/yr) * Emission Factor (lb/ton) * (1-Capture Efficiency) * (ton/2,000 lbs)

FIGURE 1

SITE LOCATION MAP



2,000 1,000 0 2,000 Feet

Legend

Facility Boundary

Reference

Base map comprised of United States Geological Survey (USGS) 7.5-minute topographic maps, "Luling, LA" and "New Orleans West, LA".

Site Location Map

Minor Source Permit Application
Waggaman, Jefferson Parish, Louisiana

American Plant Food River Partners LLC
AMS Production Facility and Transportation Facility

PROVIDENCE

Drawn By	CMM	09/30/22
Checked By	RA	09/30/22
Approved By	MF	09/30/22

Project Number	691-013
Drawing Number	691-013-A001

1 Figure

Providence Engineering and Environmental Group LLC

APPENDIX A

CERTIFICATE OF GOOD STANDING

State of Louisiana Secretary of State

COMMERCIAL DIVISION
225.925.4704

Fax Numbers
225.932.5317 (Admin. Services)
225.932.5314 (Corporations)
225.932.5318 (UCC)

Name	Type	City	Status
APF RIVER PARTNERS LLC	Limited Liability Company	METAIRIE	Active

Previous Names

Business: APF RIVER PARTNERS LLC
Charter Number: 45128087K
Registration Date: 10/18/2022

Domicile Address

3500 N CAUSEWAY BLVD
SUITE 136
METAIRIE, LA 700023557

Mailing Address

903 MAYO SHELL RD
GALENA PARK, TX 77547

Status

Status: **Active**
Annual Report Status: **In Good Standing**
File Date: 10/18/2022
Last Report Filed: N/A
Type: Limited Liability Company

Registered Agent(s)

Agent: C T CORPORATION SYSTEM
Address 1: 3867 PLAZA TOWER DR.
City, State, Zip: BATON ROUGE, LA 70816
Appointment Date: 10/18/2022

Officer(s)

Additional Officers: No

Officer: JERRY BILICEK
Title: Manager
Address 1: 3500 N CAUSEWAY BLVD
Address 2: SUITE 136
City, State, Zip: METAIRIE, LA 70002

Amendments on File

No Amendments on file

Print

APPENDIX B

PERMIT SUPPORT DOCUMENTATION

AMERICAN PLANT FOOD
RIVER PARTNERS LLC

AMS FERTILIZER PLANT

CORNERSTONE ENERGY PARK
JEFFERSON PARISH, LOUISIANA

AMERICAN PLANT FOOD
GROWTH STARTS HERE

Cornerstone

ENVIRONMENTAL JUSTICE ANALYSIS

December 2022

Providence Engineering and Environmental Group LLC
1201 Main Street
Baton Rouge, LA 70802
(225) 766-7400
www.providenceeng.com
Providence Project No: 691-013

PROVIDENCE

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FIGURES

1.0 PROJECT DESCRIPTION

Cornerstone Chemical Company (CCC) owns and operates the Cornerstone Energy Park (CEP), an 800-acre chemical manufacturing complex south of Louis Armstrong Airport on the west bank of the Mississippi River in Waggaman, Jefferson Parish, Louisiana. Within the CEP, Cornerstone, Dyno Nobel, and Rohm operate various production facilities sharing resources while operating safely and efficiently to produce high quality products to global markets.

American Plant Food River Partners LLC (APF) is partnering with CCC to build a new ammonium sulfate (AMS) fertilizer production plant (AMS plant) of up to 500,000 ton per annum (TPA) along with a material handling and transportation facility (MHTF). By locating in the CEP and joining with CCC, the facility will capitalize on the onsite availability of the essential raw materials required for AMS production, anhydrous ammonia and sulfuric acid. The AMS production process also provides for the recycling of an AMS rich waste stream disposed by CCC today in United States Environmental Protection Agency (EPA) approved deep wells. The project will provide American farmers with vital domestically produced fertilizer products to balance crop nutrition while improving soil, enhancing plant health, and providing for increased food security.

Figure 1 shows the proposed site location with respect to immediate surroundings and nearby populated areas.

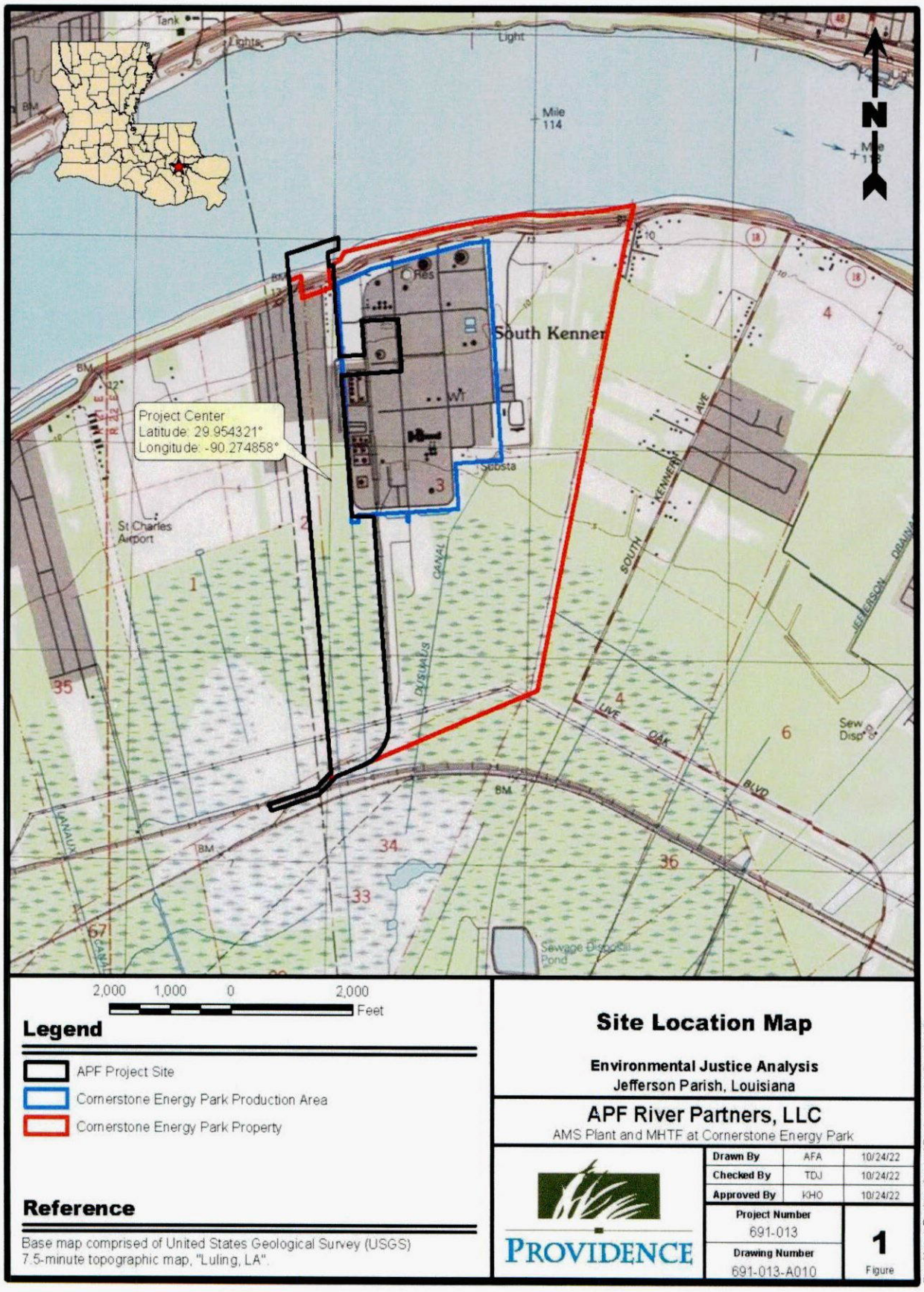
APF is applying to the Louisiana Department of Environmental Quality (LDEQ) for a minor source air permit. To assist the agency's evaluation and consideration in the permit decision-making process, this Environmental Justice Analysis is provided for reference.

2.0 EXISTING CONDITIONS

The general project area is in Census Tract 275.01 in Jefferson Parish. The project area is within the CEP, poised to occupy land in the existing production area and adjacent undeveloped portions of the CEP. Within the CEP, the AMS plant site is bordered by a forested area to the west, existing manufacturing facilities to the north, east, and south with a contractor parking lot also located to the south. Additional infrastructure, including a barge terminal with conveyance over River Road, new access roads, and expanded rail yard border the Mississippi River to the north, and forested lands to the south. Beyond the western tree line lies a rural residential and agricultural area. The nearest school, Lucile Cherbonnier Elementary School, is approximately 2.6 miles east of the CEP.

Access to the CEP is from Louisiana Highway 18 (LA 18)/River Road on the west bank of the Mississippi River, which can be crossed at the Hale Boggs Bridge/Interstate 310 (I-310) to the west or the Huey P. Long Bridge on United States Highway 90 (US 90) to the east.

Figure 1: Site Location Map



3.0 ENVIRONMENTAL JUSTICE ANALYSIS

3.1 Executive Order 12898

Executive Order (EO) 12898, *Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations,* was established to ensure that no group of people bear a disproportionate share of the negative environmental impacts resulting from federal actions. A federal action is one that is undertaken directly by the government or an action that is approved by a federal agency, such as a federal permit. Environmental Justice (EJ) is the fair treatment and meaningful involvement of minority and low-income communities in the development, implementation, and enforcement of environmental laws, regulations, and policies.

EO 12989 requires that each federal agency identify and address, as necessary and appropriate, any disproportionately high and adverse human health or environmental effects of its actions on minority or low-income communities. EO 12898 also promotes nondiscrimination in federal actions by providing minority and low-income communities equal access to public information regarding a federal action and ensuring an opportunity for public participation in the evaluation of a federal action in matters relating to human health and the environment.

Environmental justice is considered achieved when (1) all populations receive the same degree of protection from environmental and health hazards and (2) have equal access to the decision-making process to have a healthy environment in which to live, work, and play.

The EPA and the Council on Environmental Quality (CEQ) developed guidance documents to help federal agencies identify environmental justice communities and address potential impacts. The two guidance documents are:

- CEQ: "Environmental Justice: Guidance Under the National Environmental Policy Act" (1997).
- EPA: "Guidance on Considering Environmental Justice During the Development of Regulatory Actions" (2015).

According to these guidance documents, the basic components of an EJ assessment include:

- A demographic assessment of the affected community to identify minority and/or low-income populations that may be present;
- An assessment of all potential impacts of the project to determine whether any would result in a significant adverse impact on the affected environment; and
- An integrated assessment to determine whether any high and adverse impacts would disproportionately affect minority and low-income groups present in the study area.

In compliance with EO 12898, a review of census data covering the general project area was conducted to identify any potential EJ areas. This screening level review is presented in Section 3.1.1 Environmental Justice Screening.

In addition to EO 12898, a new EO 14008, Tackling the Climate Crisis at Home and Abroad was signed and created the government wide Justice40 Initiative. Compliance with EO 14008 is discussed under Section 3.1.2.

3.1.1 Environmental Justice Screening

A demographic and income assessment was initiated using demographic data from the United States Census Bureau (USCB), 2020 American Community Survey (ACS) 5-Year Estimates and the EPA's online assessment tool, EJScreen. **Table 1** provides details on the population present in the census tract in Jefferson Parish in which the project lies. **Figures 2** and **3** present minority and low-income designated populations as defined by the EPA in the project area. Data on these two figures are presented as percentiles. A percentile puts the data in perspective as to whether it is high or low relative to the rest of the US. For example, if the data shows as *in the 80th to 90th percentile*, it means that 10 to 20 percent of the US population is at a higher value. For EJ screening, data values over the 50th percentile may represent populations with EJ concerns.

The EPA uses the USCB definition of minority populations, which is a population of people who are not single-race white and not Hispanic or Latino to assess EJ related impacts. Minority populations include persons who identify as Black or African American, Asian American, American Indian/Alaskan Native, Native Hawaiian/Other Pacific Islander, or Hispanic or Latino (regardless of race). A low-income population should be identified in an affected area when the percentage with incomes below the poverty level either exceeds 50 percent or is meaningfully greater than in the general population of the larger surrounding area (CEQ 1997; EPA 1998).

Demographic and socioeconomic indicators for the parish and within a two-mile radius from the project site are shown in **Tables 1 and 2**.

Table 1
Population Data for Census Tract 275.01 in Jefferson Parish

Affected Census Tracts	Subject	Total Population (all races)	White Alone	Black or African American Alone	American Indian and Alaska Native Alone	Asian Alone	Native Hawaiian and Other Pacific Islander Alone	Some Other Race Alone	Two or More Races	Hispanic or Latino [1]	Minority Calculation [2]
Louisiana	Number	4,664,616	2,720,638	1,489,071	23,328	79,976	1,527	12,922	93,782	243,372	1,943,978
	Percent		58.3%	31.9%	0.5%	1.7%	0.0%	0.3%	2.0%	5.2%	41.7%
Jefferson Parish	Number	434,903	226,094	115,719	1,204	18,224	40	1,746	8,164	63,712	224,630
	Percent	-	52%	26.6%	0.0%	4.2%	0.0%	0.4%	1.9%	14.6%	47.8%
Jefferson Parish 275.01	Number	6,198	2,175	3,212	61	0	0	43	105	602	1,632
	Percent	-	41.2%	51.8%	1.0%	0.0%	0.0%	0.7%	1.7%	9.7%	64.9%

NOTES:

1. Since all Hispanics or Latinos, regardless of race, are considered a minority, the population with Hispanic or Latino ethnicity is identified in this column, and all the other race categories do not include Hispanic or Latino ethnicity.
2. Minority means a person who identifies as Black or African American, Asian American, American Indian/Alaskan Native, or Hispanic or Latino (regardless of race). To determine the number of minorities, the total population minus the "white alone" population was determined.
3. Total percentage values may not equal 100% due to rounding and margin of error from the source data.

Source: USCB, 2016-2020 American Community Survey 5-year estimates.

Figure 2: Jefferson and St. Charles Parishes Minority Population

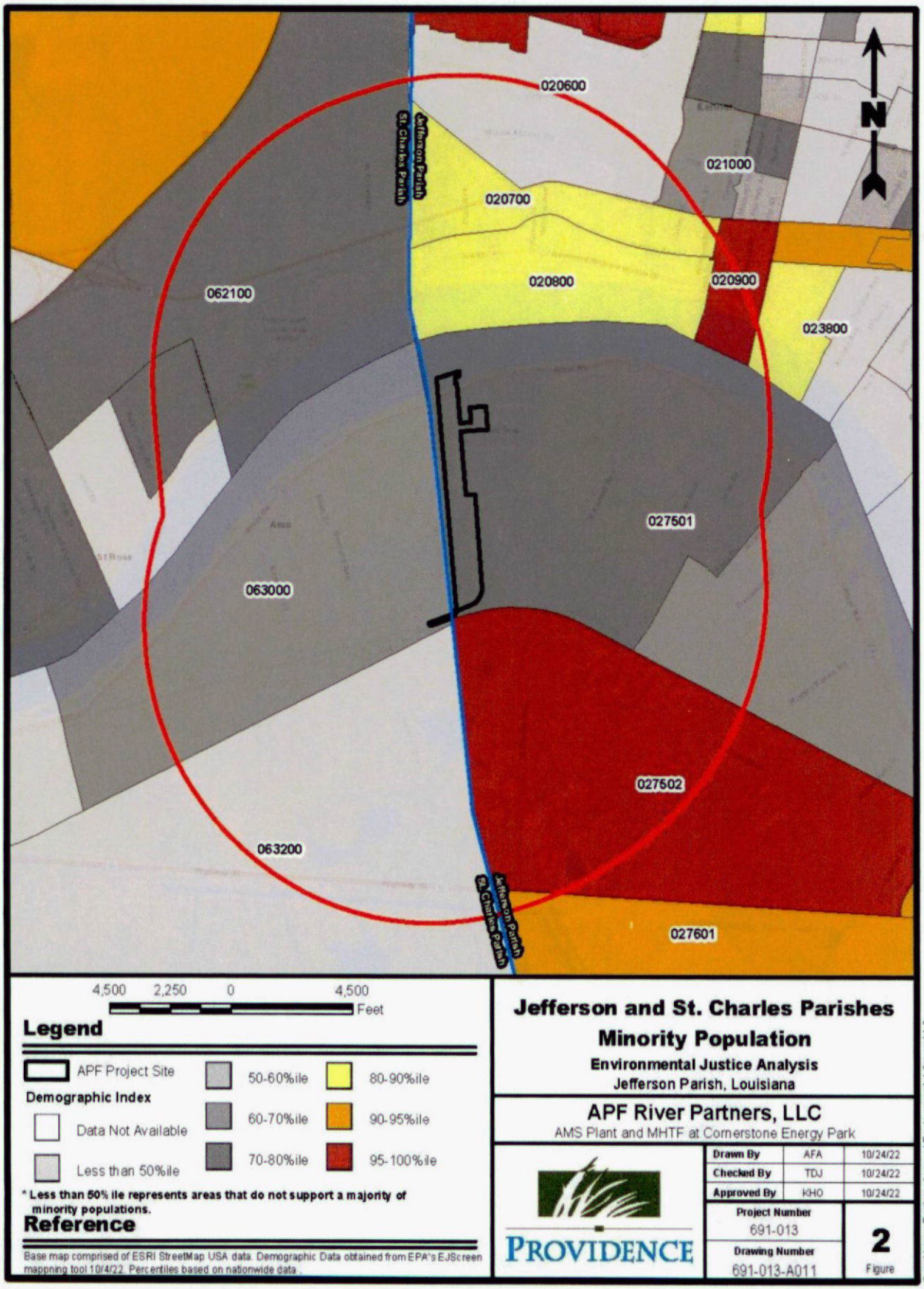


Figure 3: Jefferson and St. Charles Parishes Low-Income Population

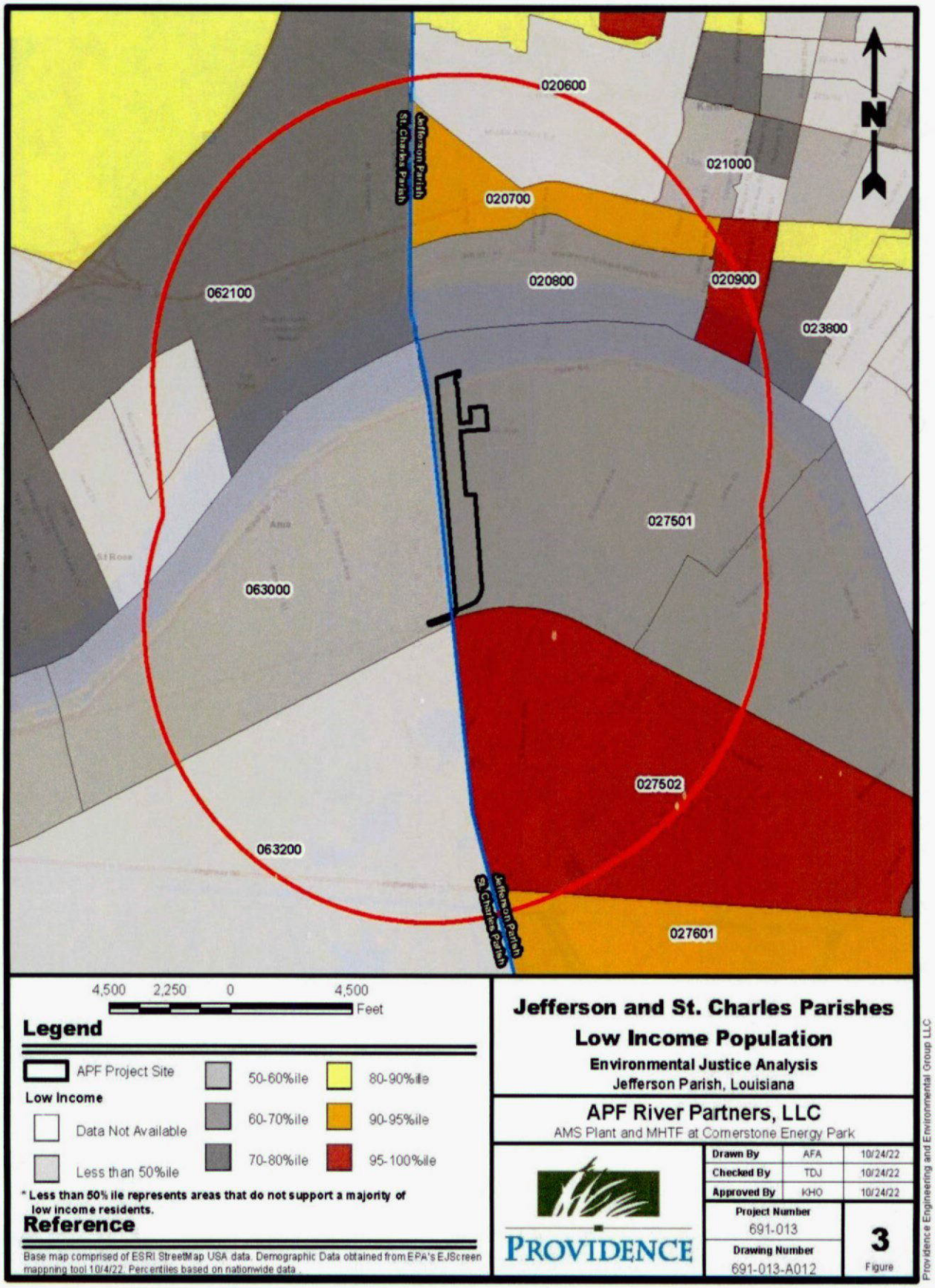


Table 2
Socioeconomic Indicators for Jefferson Parish and the Project Area

Socioeconomic Indicators[1]	2-Mile Radius from Project Site 22 m^2 Population 17,213	Jefferson Parish Value 642 m^2 Population 434,850	State Average	EPA Region Average	USA Average
Demographic Index	52%	41%	40%	44%	36%
People of Color Population	64%	47%	41%	52%	40%
Low Income Population	40%	35%	39%	36%	31%
Unemployment Rate	11%	5%	6%	5%	5%
Linguistically Isolated Population	2%	5%	2%	6%	5%
Population with Less Than High School Education	17%	14%	15%	15%	12%
Population Under 5 years of age	6%	6%	7%	7%	6%
Population over 64 years of age	14%	17%	15%	13%	16%

[1]Project area includes Jefferson and St. Charles Parishes and has one block group with zero population, Jefferson Parish study area has three block groups with zero population.

In reviewing population, income, and ethnic distribution data obtained from the USCB 2020 ACS 5-Year Estimates for the project site and the surrounding area, it could be concluded that communities or individuals in proximity to the project site would be considered communities exhibiting environmental justice characteristics based on their demographics. Based on the EJScreen results, the area within a two-mile radius of the proposed AMS plant maintains a higher minority population and higher unemployment rate than the state, parish, region, and US.

The EPA's *Guidance on Considering Environmental Justice During the Development of Regulatory Actions* directs EJ administrators to develop strategies for characterizing low-income populations based on existing socioeconomic indicators. For this analysis, low-income populations were identified using EJScreen, which uses data derived from the USCB. Based

on the EJScreen results, the area around the proposed project has a 40 percent low-income population, which is consistent with that of Louisiana, but higher than Jefferson Parish. Low-income is characterized by family income that is below 200 percent of the federal poverty threshold. In 2021, this amount was $53,000 for a family of four (HHS, 2021), meaning that low-income families (of four) would have an annual income between $53,000 and $26,500, the poverty threshold for 2021. It should be noted that the poverty level is well below 50 percent (%) for the parish and the Census Tract where the CEP is located: 15.2% for Jefferson Parish and 22.8% for Census Tract 275.01. The project area would not be considered an EJ community based on this indicator.

In addition to the relative demographic data for the project area, analysis of impacts to EJ communities also considers potential environmental quality issues. Using EPA's EJScreen web-based analysis tool, specific environmental indicators were also considered for the general population in Jefferson Parish and within a two-mile radius of the project site. **Table 3** presents data relative to four environmental indicators that were used to consider potential impacts on local and regional communities. There are 12 environmental indicators that the EPA provides to assess potential impacts:

- Particulate Matter ($PM_{2.5}$)
- Diesel Particulate Matter
- Ozone
- 2017 Air Toxics Cancer Risk
- 2017 Air Toxics Respiratory Hazard Index
- Traffic Proximity
- Lead Paint
- Superfund Site Proximity
- RMP Facility Proximity
- Hazardous Waste Proximity
- Number of Underground Storage Tanks per square mile
- Proximity/Concentration of Wastewater Discharges

Table 3 presents data for the four indicators that are common to the proposed air emissions from the APF project. The other indicators are either not present or not expected to be affected by proposed facility emissions and/or demonstrate state and site averages that are lower than the US average.

Table 3
Environmental Indicators for Jefferson Parish and the Project Site

Environmental Indicators	2-Mile Radius from Project Site	Jefferson Parish Value	State Average	EPA Region Average	USA Average
Particulate Matter ($PM_{2.5}$ in $\mu g/m^3$)	8.94	8.77	9.22	9.32	8.74
Ozone (ppb)	38.3	38.5	37.2	41.1	42.6
2017 Air Toxics Cancer Risk (lifetime risk per million)	59	44	41	32	29
2017 Air Toxics Respiratory Hazard Index	0.45	0.43	0.45	0.37	0.36

Note: Data set is from EPA's 2017 Air Toxics Update.

Based on the data presented in **Table 3**, 2017 air toxics lifetime cancer risk is above the state, regional and US average within two miles of the project site. The 2017 air toxics respiratory hazard index, which provides a baseline for exposure to hazardous air pollutants, demonstrates localized air quality is slightly lower than the parish's average, but equal to the state's average. Ozone and particulate matter levels within two miles of the site are consistent or slightly lower than with the state, parish, EPA region, and U.S. averages.

The proposed facility would not be a major source air emissions of particulate matter ($PM_{2.5}$ and PM_{10}), nitrogen oxides (NOx), carbon monoxide (CO), sulfur dioxide (SO_2), or volatile organic compounds (VOCs) in the project area. APF will obtain all necessary permits and approvals prior to construction and/or operation of the project.

3.1.2 EO 14008

The Justice40 Initiative created a goal whereby 40 percent of overall benefits from federal investments within a specific set of programs administered by various federal agencies flow to disadvantaged communities. Justice40 screening considers a variety of factors when assessing whether a community is considered disadvantaged. In addition to low income, this tool factors in climate change, clean energy, clean transit, affordable and sustainable housing, legacy pollution, clean water and infrastructure, health burdens, and training and workforce development.

The proposed project does not fall under an EPA or other Justice40 covered program. However, since the Climate and Economic Justice Screening Tool (CEJST) considers health burdens, legacy pollution, clean

water and infrastructure, and workforce development, the project was screened using the CEJST. Based on the CEJST screening, Census Tract 275.01 would be classified as a disadvantaged regarding workforce development (unemployment levels) and education levels.

3.2 Public Participation

APF and CCC have been actively engaged in outreach with state and local agencies, state and local officials, and other interested parties. CCC engages in community outreach for all projects slated to occur within the CEP. Community outreach involves their Community Advisory Panel, local elected officials, community organizations, neighborhood civic groups and associations, near fence line neighbors, and other stakeholders, such as Union Pacific Railroad, local steel workers, and the Live Oak Manor Volunteer Fire Department.

APF and CCC will be working with local residents impacted by barge and rail through in person meetings and local civic organizations to establish current concerns, educate them on the project, and address expressed concerns. The parties also plan to engage with local media outlets to announce the project and its purpose and benefits. To ensure all parties that desire knowledge on the project have access to the desired publicly available information, an informational project outreach website is live at www.apfriverpartners.com. **Table 4** presents APF and CCC's stakeholder engagement plan.

The permit process requires the publication of a public notice in the official state journal to advise the public of the proposed project and provide opportunity for public comment.

Table 4
APF and CCC Stakeholder Engagement Plan

AUGUST MEETINGS					
Stakeholder Contact/Meeting		**Position / Title**	**Project Phase**	**Specific Date (When)**	
Dr. Mike Strain (Team)	X	Louisiana Commissioner of Agriculture	Phase 1	August	8-Aug
Bess Martin	X	Director, Jefferson Parish Planning Department	Phase 1	August	28-July, 26-Aug
SEPTEMBER MEETINGS					
Stakeholder Contact/Meeting		**Position / Title**	**Project Phase**	**Specific Date (When)**	
Don Pierson (Team)	X	Secretary	Phase 1	September - October	9-Sep
Tom Harris (Team)	X	Secretary, LDNR	Phase 1	September - October	9-Sep
Byron Lee / Pam Watson	X	Jefferson Parish Council	Phase 1	September - October	8-Sep,15-Nov
Scott Walker	X	Jefferson Parish Council At-Large	Phase 1	September - October	8-Sep
Ricky Templet	X	Jefferson Parish Council At-Large	Phase 1	September - October	8-Sep
OCTOBER MEETINGS					
Stakeholder Contact/Meeting		**Position / Title**	**Project Phase**	**Specific Date (When)**	
Dr. Chuck Carr Brown (Team)	X	Secretary, LDEQ	Phase 1	September - October	3-Oct
Greg Bowser	X	President, Louisiana Chemical Association	Phase 1	September - October	3-Oct
Michael Hecht / XXX	X	President & CEO, GNO Inc.	Phase 1	September - October	4-Oct
Jerry Bologna	X	President & CEO, JEDCO	Phase 1	September - October	4-Oct
Ruth Lawson	X	President & CEO, Jefferson Chamber of Commerce	Phase 1	September - October	4-Oct
Cynthia Lee-Sheng / Steve LaChute	X	Jefferson Parish President	Phase 1	September - October	5-Oct
Kyle Green	X	Louisiana House of Representatives	Phase 1	September - October	4-Oct
Dominick Impastato	X	Jefferson Parish Council	Phase 1	September - October	5-Oct
Marion Edwards	X	Jefferson Parish Council	Phase 1	September - October	5-Oct
Mary Lee Orr	X	Louisiana Environmental Action Network (LEAN)	Phase 2	November - December	3-Oct
General Russell Honore	X	Green Army	Phase 2	November - December	3-Oct
Waggamann Civic Association	X	Local Residents	Phase 1	September - October	5-Oct, 2-Nov
Dr. Matt Lee		Interim Chancellor, LSU Ag Center	Phase 1	September - October	
Joseph Lopinto, III	X	Jefferson Parish Sheriff	Phase 1	September - October	24-Oct
Clay Moise	X	Jefferson Parish School Board President	Phase 1	September - October	3-Nov
Dr. James Gray	X	Jefferson Parish School Superintendent	Phase 1	September - October	3-Nov
Troy Carter		Member - U.S. House of Representatives	Phase 1	September - October	
Patrick Connick	X	Louisiana State Senate	Phase 1	September - October	24-Oct
Deano Bonano	X	Jefferson Parish Council	Phase 1	September - October	25-Oct
Jennfier Van Vrancken	X	Jefferson Parish Council	Phase 1	September - October	25-Oct
Chad Nugent	X	Jefferson Parish School Board	Phase 1	September - October	3-Nov
S-1 Civic Association	X	Local Residents	Phase 1	September - October	19-Oct, 16-Nov
Larry Dale		President, Jefferson Business Council	Phase 1	September - October	
Lisa Barback		Executive Director, Westbank Business, and Industry Association	Phase 1	September - October	
NOVEMBER/DECEMBER MEETINGS					
Stakeholder Contact/Meeting		**Position / Title**	**Project Phase**	**Specific Date (When)**	
TBD		United States Department of Agriculture	Phase 1	September - October	
Dr. Gerald Leblanc		Jefferson Parish School Board Vice President	Phase 1	September - October	
Simeon Dickerson		Jefferson Parish School Board Member	Phase 1	September - October	
Steve Scalise		Member - U.S. House of Representatives	Phase 1	November - December	
Dr. Bill Cassidy		United States Senator	Phase 1	November - December	
John Kennedy		United States Senator	Phase 1	November - December	
Thomas Capella		Jefferson Parish Assessor	Phase 1	November - December	13-Dec
Ricky Johnson		Jefferson Parish School Board	Phase 1	November - December	
Tiffany Higgins-Kuhn		Jefferson Parish School Board	Phase 1	November - December	
Diane Schnell		Jefferson Parish School Board	Phase 1	November - December	
Billy North		Jefferson Parish School Board	Phase 1	November - December	
Sandy Denapolis-Bosarge		Jefferson Parish School Board	Phase 1	November - December	
COMMUNITY ADVISORY PANEL					
Stakeholder Contact/Meeting		**Position / Title**	**Project Phase**	**Specific Date (When)**	
Landry Camardelle		Cornerstone CAP / Engaged Resident (WCA)	Phase 1	September - October	**CAP:** 16-June; 18-Aug;20-Oct
Bernard Menge		Cornerstone CAP / Engaged Resident (WCA)	Phase 1	September - October	**CAP:** 16-June; 18-Aug;20-Oct
Ray Milligan		Cornerstone CAP / Engaged Resident (WCF)	Phase 1	September - October	**CAP:** 16-June; 18-Aug;20-Oct
Mike Boudreaux		Cornerstone CAP / Engaged Resident (S1 Civic Group)	Phase 1	September - October	**CAP:** 16-June; 18-Aug;20-Oct
Charlene Troxler		Cornerstone CAP / Engaged Resident	Phase 1	September - October	**CAP:** 16-June; 18-Aug;20-Oct
Percy Wilson		Cornerstone CAP / Engaged Resident	Phase 1	September - October	**CAP:** 16-June; 18-Aug;20-Oct
Deniese & Marion Zeringue		Cornerstone CAP / Engaged Residents	Phase 1	September - October	**CAP:** 16-June; 18-Aug;20-Oct
Scottie Bush		Cornerstone CAP / Engaged Resident	Phase 1	September - October	**CAP:** 16-June; 18-Aug;20-Oct

EVENTS					
Stakeholder Contact/Meeting		**Position / Title**	**Project Phase**	**Specific Date (When)**	
Community Advisory Panel Meeting	X			*16-Jun*	
Community Advisory Panel Meeting	X			*18-Aug*	
Community Advisory Panel Meeting	X			*20-Oct*	
Jefferson Chamber of Commerce Political Action Committee Fundraiser	X			*8-Sep*	
Jefferson Chamber of Commerce State of Jefferson				*13-Oct*	
Community Open House				*26-Oct*	
APF ITEP application before Jefferson Parish Council, Sheriff, and School Board in _____, 2022					
Stakeholder		**Position / Title**		**Date (When)**	
Connie Fabre		President & CEO, Greater Baton Rouge Industry Alliance (GBRIA)	Phase 1	September - October	
David Helveston		President-Associated Builders and Contractors (ABC)	Phase 3	January - February	
Ken Naquin		President-Associated General Contracts of LA (AGC)	Phase 3	November - December	
Penelope Shumaker		Campus Director, River Parishes Community College (St. Charles)	Phase 2	November - December	
Arlanda Williams		Vice-Chancellor for Workforce Development, Delgado Community College	Phase 2	November - December	
Ernest Frazier		Advanced Manufacturing, Delgado Community College	Phase 2	November - December	
Remainder of Phases 1 and 2 - Engage additional stakeholders as identified, begin process of relationship and communication maintenance, provide additional information as available.					

NOTES:

One-Page project info sheet is the source document for public discussion of this project

ITEP is Louisiana Industrial Tax Exemption Program (Property tax abatement)

PLO is Public License to Operate (Public acceptance and support)

WCA is Waggaman Civic Association

WCF is Waggaman Community Foundation

3.3 Summary of Effects

The data reflect that the immediately affected area within two miles of the project site supports representative minority EJ communities. The data also demonstrates levels of some air pollutants that are higher than the state, regional or US average, but not causing health burdens or resulting in legacy pollution affecting individuals living in the general project area.

Although Census Tract 275.01 contains a predominantly minority population and is therefore considered an EJ community, impacts on EJ communities are not expected to be disproportionate or significant. The following summarize the anticipated effects of the project:

1. The project is being constructed on an industrial site with minimal nearby population that could be adversely affected. No land outside the boundaries of the approximate 800-acre CEP are proposed to be used.
2. Socioeconomic impacts are anticipated to be beneficial, with the creation of a minimum of 13 new direct jobs and 15 new contractor permanent jobs in addition to a large construction workforce (220+ construction related jobs) and a continued financial investment at the facility with no measurable impact on the availability of community resources.
3. Economic benefits derived from the operation of the AMS plant would be expected to be received throughout the operating life of the facility. The project will create direct, indirect, and induced jobs throughout its operational life.
4. CCC's and APF's policy to train and hire locally spreads the benefits of the project to all Jefferson Parish residents and works to combat the locally higher unemployment level.
5. Siting the AMS plant at CEP takes advantage of available onsite raw materials and access to infrastructure that reduces the amount of land necessary to support the plant and barge terminal, minimizing impacts to raw land.
6. CEP offers the benefit of ready access to multiple Class I railways, the Mississippi River, and federal highways, reducing travel times and carbon emissions.
7. The AMS plant will allow for future recycling of wastewater that formerly required disposal, minimizing the overall impact of the facility on the environment and the nearby communities.

8. The AMS plant will reduce carbon emissions by displacing product that is currently imported from overseas in transport vessels with production in Louisiana at the CEP.

9. Fertilizer that is produced domestically will increase availability and food security for the United States.

10. APF has applied to the LDEQ for a Minor Source Air Permit. As part of the application process, LDEQ will conduct an extensive review of the technology, emission control equipment, synergies with CEP, and expected emissions prior to issuing a permit. Issuance of the permit and the emission limits and operating parameters established therein would indicate that emissions from the operation of the project do not exceed the air quality standards for this region and are not expected to result in degradation of air quality, locally or within Jefferson Parish.

APPENDIX C

MODELING INPUTS

Model Inputs

AMS Production Facility and Material Handling Transportation Facility
American Plant Food River Partners LLC

Point Sources

Emission Sources	Modeling Point ID	Stack Release Type	Description	UTM X m	UTM Y m	Height ft	temp F	Vel fps	Diam ft	PM2.5 LB/HR	PM2.5 TPY	PM10 LB/HR	PM10 TPY
ST-140	ST-140	DEFAULT	Equipment Vent Baghouse Exhauster #1	763299.47	3317526.456	120	ambient	75.05	4.17	0.4073	1.7839	0.4073	1.7839
ST-240	ST-240	DEFAULT	Equipment Vent Baghouse Exhauster #2	763295.784	3317569.91	120	ambient	75.05	4.17	0.4073	1.7839	0.4073	1.7839
BL-141	ST-141	DEFAULT	Venturi Scrubber #1 and Dryer Burner #1	763311.374	3317525.1	116	ambient	79.92	2.75	0.4392	1.9238	0.4392	1.9238
BL-241	ST-241	DEFAULT	Venturi Scrubber #2 and Dryer Burner #2	763307.688	3317568.554	116	ambient	79.92	2.75	0.4392	1.9238	0.4392	1.9238
BL-153	ST-153	DEFAULT	NH3 Scrubber Exhaust Fan #1	763247.284	3317503.074	116	ambient	78.03	2.75	0.1802	0.7892	0.1802	0.7892
BL-253	ST-253	DEFAULT	NH3 Scrubber Exhaust Fan #2	763243.598	3317546.528	116	ambient	78.03	2.75	0.1802	0.7892	0.1802	0.7892
AMSPiles, SBT-1,2,3,4; SDC-1,2,3,4; SHC-1,2,3,4; SHC-5,6,7,8; SBC-04a,b; SBC-06; GP1-fug; GP2-fug	AMSWHV1	DEFAULT	Vented Exhaust from AMS Storage Warehouse 1	762955.732	3317417.356	75	ambient	27.34	3.5	0.0895	0.0247	0.5911	0.1634
	AMSWHV2	DEFAULT	Vented Exhaust from AMS Storage Warehouse 2	763007.566	3317440.336	75	ambient	27.34	3.50	0.0895	0.0247	0.5911	0.1634
	AMSWHV3	DEFAULT	Vented Exhaust from AMS Storage Warehouse 3	762951.833	3317463.316	75	ambient	27.34	3.50	0.0895	0.0247	0.5911	0.1634
	AMSWHV4	DEFAULT	Vented Exhaust from AMS Storage Warehouse 4	762949.884	3317486.296	75	ambient	27.34	3.50	0.0895	0.0247	0.5911	0.1634
	AMSWHV5	DEFAULT	Vented Exhaust from AMS Storage Warehouse 5	762947.95	3317509.087	75	ambient	27.34	3.50	0.0895	0.0247	0.5911	0.1634
SBC-01, SBC-02	GranBdV1	DEFAULT	Vented Exhaust from Granulator Building 1	763285.481	3317520.185	107	ambient	12.03	4.20	0.0119	0.0238	0.0785	0.1570
	GranBdV2	DEFAULT	Vented Exhaust from Granulator Building 2	763281.743	3317564.246	107	ambient	12.03	4.20	0.0119	0.0238	0.0785	0.1570

Volume Sources

Modeling Point ID	Description	UTM X m	UTM Y m	Release Ht (ft)	Sigma-Y ft	Sigma-Z ft	PM2.5 lb/hr	PM2.5 TPY	PM10 LB/HR	PM10 TPY
AMSWHF1	AMS Warehouse fugitives 1	762988.677	3317339.109	18	70.5	34.4	0.0490	0.0131	0.3237	0.0864
AMSWHF2	AMS Warehouse fugitives 2	762977.334	3317532.812	18	70.5	34.4	0.0490	0.0131	0.3237	0.0864
SBC-05	Belt Conveyor	762997.111	3317382.959	16	4.4	7.4	0.0885	0.0052	0.5842	0.0345
BSB-01	Surge Bin - Barge Loadout Transfer Tower	762963.88	3317776.194	20	7.9	34.9	0.0885	0.0244	0.5842	0.1610
GranBdF1a	Granulator Building Fugitives 1a (SBC-01)	763306.757	3317514.644	10	37.2	49.8	0.0013	0.0171	0.0085	0.0171
GranBdF1b	Granulator Building Fugitives 1b (SBC-01)	763303.07	3317558.098	10	37.2	49.8	0.0013	0.0171	0.0085	0.0171
GranBdF2	Transfer Building Fugitives 2 (SBC-02)	763315.014	3317471.305	15	4.2	14.0	0.0013	0.0171	0.0085	0.0171
SBC-03	Belt Conveyor - Belt Conveyors	762958.304	3317387.045	10	8.1	23.3	0.0138	0.0276	0.0913	0.1825
SBC-07	Belt Conveyor - Transfer to Barge Loading	762963.88	3317776.194	20	7.9	17.4	0.0885	0.0244	0.5842	0.1610
SBC-08	Belt Conveyor - Shuttle Conveyor for Barge Loading	762890.742	3317964.479	23	7.0	10.7	0.0885	0.0244	0.5842	0.1610
SBE-01	Bucket Elevator to AMS SRL-01 Loadout	763022.292	3317387.808	7.5	8.1	3.5	0.0885	0.0104	0.5842	0.0690
SBE-02	Bucket Elevator to AMS STL-01 Loadout	762989.505	3317518.917	7.5	8.1	3.5	0.0885	0.0104	0.5842	0.0690
SBL-01	Barge Loader	762890.742	3317964.479	23	7.0	10.7	0.0885	0.0244	0.5842	0.1610
SRL-01	AMS Rail Loading Station #1	763022.292	3317387.808	23	13.0	12.1	0.0177	0.0010	0.1168	0.0069
STL-01	AMS Truck Loading Station #1	762989.505	3317518.917	7.5	8.1	3.5	0.0144	0.0010	0.0949	0.0069