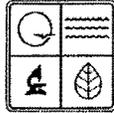


STATE OF MISSOURI



PERMIT BOOK

DEPARTMENT OF NATURAL RESOURCES

MISSOURI AIR CONSERVATION COMMISSION

PERMIT TO CONSTRUCT

Under the authority of RSMo 643 and the Federal Clean Air Act the applicant is authorized to construct the air contaminant source(s) described below, in accordance with the laws, rules and conditions as set forth herein.

Permit Number:

06 2015 - 010

Project Number: 2015-05-027

Installation ID: PORT-0716

Parent Company: APAC Missouri, Inc.

Parent Company Address: P.O. Box 23910, Overland Park, Kansas 66283

Installation Name: APAC Missouri, Inc.

Installation Address: 22600 Snow Road, Sedalia, Missouri 65301

Location Information: Pettis County, S23 and 24, T46N, R22W

Application for Authority to Construct was made for:

A previously designated stationary plant to be redesignated as a portable plant (PORT-0716) and moved to a site that is also owned by APAC Missouri, Inc. (site id: 159-0002). This review was conducted in accordance with Section (6), Missouri State Rule 10 CSR 10-6.060, Construction Permits Required.

Standard Conditions (on reverse) are applicable to this permit.

Standard Conditions (on reverse) and Special Conditions are applicable to this permit.

JUN 19 2015

EFFECTIVE DATE

DIRECTOR OR DESIGNEE
DEPARTMENT OF NATURAL RESOURCES

STANDARD CONDITIONS:

Permission to construct may be revoked if you fail to begin construction or modification within two years from the effective date of this permit. Permittee should notify the Air Pollution Control Program if construction or modification is not started within two years after the effective date of this permit, or if construction or modification is suspended for one year or more.

You will be in violation of 10 CSR 10-6.060 if you fail to adhere to the specifications and conditions listed in your application, this permit and the project review. In the event that there is a discrepancy between the permit application and this permit, the conditions of this permit shall take precedence. Specifically, all air contaminant control devices shall be operated and maintained as specified in the application, associated plans and specifications.

You must notify the Department's Air Pollution Control Program of the anticipated date of start up of this (these) air contaminant source(s). The information must be made available within 30 days of actual startup. Also, you must notify the Department of Natural Resources' regional office responsible for the area within which you are located within 15 days after the actual start up of this (these) air contaminant source(s).

A copy of this permit and permit review shall be kept at the installation address and shall be made available to Department of Natural Resources' personnel upon request.

You may appeal this permit or any of the listed special conditions to the Administrative Hearing Commission (AHC), P.O. Box 1557, Jefferson City, MO 65102, as provided in RSMo 643.075.6 and 621.250.3. If you choose to appeal, you must file a petition with the AHC within 30 days after the date this decision was mailed or the date it was delivered, whichever date was earlier. If any such petition is sent by registered mail or certified mail, it will be deemed filed on the date it is mailed. If it is sent by any method other than registered mail or certified mail, it will be deemed filed on the date it is received by the AHC.

If you choose not to appeal, this certificate, the project review and your application and associated correspondence constitutes your permit to construct. The permit allows you to construct and operate your air contaminant source(s), but in no way relieves you of your obligation to comply with all applicable provisions of the Missouri Air Conservation Law, regulations of the Missouri Department of Natural Resources and other applicable federal, state and local laws and ordinances.

The Air Pollution Control Program invites your questions regarding this air pollution permit. Please contact the Construction Permit Unit at (573) 751-4817. If you prefer to write, please address your correspondence to the Missouri Department of Natural Resources, Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102-0176, attention: Construction Permit Unit.

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Permit No.	
Project No.	2015-05-027

GENERAL SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

The special conditions listed in this permit were included based on the authority granted the Missouri Air Pollution Control Program by the Missouri Air Conservation Law (specifically 643.075) and by the Missouri Rules listed in Title 10, Division 10 of the Code of State Regulations (specifically 10 CSR 10-6.060). For specific details regarding conditions, see 10 CSR 10-6.060 paragraph (12)(A)10. "Conditions required by permitting authority."

1. **Superseding Condition**
The conditions of this permit supersede all special conditions found in the previously issued construction permit 122004-006 from the Air Pollution Control Program.
2. **Generic Plant Designation and Maximum Combined Hourly Design Rate**
APAC Missouri, Inc. has been designated to be a Generic Plant Operation. The combined MHDR of each of the following generic equipment types shall not exceed the rates and numbers listed in Table 1.

Table 1: Generic Equipment

Equipment Type	MHDR	Maximum Number of Units
Primary Unit(s) (Primary Crusher)	400 tons per hour	1
Secondary Crusher	500 tons per hour	1
Conveyor(s), Stacker(s)	6,000 tons per hour	20
Primary Screen	400 tons per hour	1
Secondary Screen	200 tons per hour	1

3. **Generic Plant Equipment Identification Requirement**
 - A. APAC Missouri, Inc. shall submit the following information to the Air Pollution Control Program's Permitting Section and the Kansas City Regional Office within 15 days of actual startup.
 - 1) A master list of all equipment that will be permitted for use with the generic plant. This master list shall include at minimum the following information for each piece of equipment:
 - a) Manufacturer's name
 - b) Model number
 - c) Serial number
 - d) Actual MHDR
 - e) Date of manufacture
 - f) Any other additional information that is necessary to uniquely identify the equipment.
 - 2) A list of the core equipment that will always be utilized with the generic plant. The core equipment associated with the generic plant shall include at least one primary unit that controls the rate of the process flow (e.g., a primary crusher or primary screen).

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Permit No.	
Project No.	2015-05-027

GENERAL SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

- 3) A determination of the applicability of 40 CFR Part 60, Subpart OOO, "Standards of Performance for Nonmetallic Mineral Processing Plants" for each piece of equipment indicating whether each piece of equipment is subject to Subpart OOO and justification for this determination.
- 4) APAC Missouri, Inc. shall notify the Air Pollution Control Program's Permitting Section and the Kansas City Regional Office when new equipment is added to the master list and when core equipment is changed within 30 days of the change.
 - B. APAC Missouri, Inc. shall maintain a list of the specific equipment currently being utilized with the generic plant. Any arrangement of the generic plant's equipment must be such that the core equipment is not bypassed in the process flow.
4. Relocation of Portable Rock Crushing Plant
 - A. APAC Missouri, Inc.-PORT-0716 shall not be operated at any location longer than 24 consecutive months except if the Site Specific Special Conditions of this portable plant, PORT-0716, contain a nonroad engine requirement limiting the portable plant at the site specific location to 12 consecutive months.
 - B. A complete "Portable Source Relocation Request" application must be submitted to the Air Pollution Control Program prior to any relocation of this portable rock crushing plant.
 - 1) If the portable rock crushing plant is moving to a site previously permitted, and if the circumstances at the site have not changed, then the application must be received by the Air Pollution Control Program at least seven days prior to the relocation.
 - 2) If the portable rock crushing plant is moving to a new site, or if circumstances at the site have changed (e.g. the site was only permitted for solitary operation and now another plant is located at the site), then the application must be received by the Air Pollution Control Program at least 21 days prior to the relocation. The application must include written notification of any concurrently operating plants.
5. Record Keeping Requirement
APAC Missouri, Inc. shall maintain all records required by this permit for not less than five years and shall make them available to any Missouri Department of Natural Resources' personnel upon request.
6. Reporting Requirement
APAC Missouri, Inc. shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than 10 days after any exceedances of the limitations imposed by this permit.

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Permit No.	
Project No.	2015-05-027

SITE SPECIFIC SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

The special conditions listed in this permit were included based on the authority granted the Missouri Air Pollution Control Program by the Missouri Air Conservation Law (specifically 643.075) and by the Missouri Rules listed in Title 10, Division 10 of the Code of State Regulations (specifically 10 CSR 10-6.060). For specific details regarding conditions, see 10 CSR 10-6.060 paragraph (12)(A)10. "Conditions required by permitting authority."

PORT ID Number: PORT-0716

Site ID Number: 159-0002

Site Name: Sedalia Quarry

Site Address: 22600 Snow Road, Sedalia, Missouri 65301

Site County: Pettis S23 and 24, T46N, R22W

1. Best Management Practices Requirement
APAC Missouri, Inc. shall control fugitive emissions from all of the haul roads and vehicular activity areas at this site by performing BMPs as defined in Attachment AA.
2. Ambient Air Impact Limitation
 - A. APAC Missouri, Inc. shall not cause an exceedance of the NAAQS for PM₁₀ of 150.0 µg/m³ 24-hour average in ambient air.
 - B. APAC Missouri, Inc. shall demonstrate compliance with Special Condition 2.A using Attachment A or other equivalent forms that have been approved by the Air Pollution Control Program, including electronic forms. APAC Missouri, Inc. shall account for the impacts from other sources of PM₁₀ as instructed in the attachments.
3. Moisture Content Testing Requirement
 - A. APAC Missouri, Inc. shall verify that the moisture content of the processed rock is greater than or equal to 1.5 percent by weight.
 - B. Testing shall be conducted according to the method prescribed by the American Society for Testing Materials (ASTM) D-2216, C-566 or another method approved by the Director.
 - C. The initial test shall be conducted no later than 45 days after the start of operation. A second test shall be performed the calendar year following the initial test during the months of July or August.
 - D. The test samples shall be taken from rock that has been processed by the plant or from each source of aggregate (e.g. quarry).
 - E. The written analytical report shall include the raw data and moisture content of each sample, the test date and the original signature of the individual performing

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Permit No.	
Project No.	2015-05-027

SITE SPECIFIC SPECIAL CONDITIONS:

The permittee is authorized to construct and operate subject to the following special conditions:

the test. The report shall be filed on-site or at the APAC Missouri, Inc. main office within 30 days of completion of the required test.

F. If the moisture content of either of the two tests is less than the moisture content in Special Condition 3.A, another test may be performed within 15 days of the noncompliant test. If the results of that test is less than the moisture content in Special Condition 3.A, APAC Missouri, Inc. shall either:

- 1) Apply for a new permit to account for the revised information, or
- 2) Submit a plan for the installation of wet spray devices to the Compliance/Enforcement Section of the Air Pollution Control Program within 10 days of the second noncompliant test. The wet spray devices shall be installed and operational within 40 days of the second noncompliant test.

G. In lieu of testing, APAC Missouri, Inc. may obtain test results that demonstrate compliance with the moisture content in Special Condition 3.A from the supplier of the aggregate.

4. Minimum Distance to Property Boundary Requirement

The primary emission point, primary crusher (EP-01), shall be located at least 350 feet from the nearest property boundary.

5. Primary Equipment Requirement

APAC Missouri, Inc.- PORT-0716 shall process all rock through the primary crusher (EP-1). Bypassing the primary crusher is prohibited.

6. Nonroad Engine Requirement

APAC Missouri, Inc.'s 750 horsepower diesel engine shall not remain at one location within this site longer than 12 consecutive months in order for the engine to meet the definition of a nonroad engine as stated in 40 CFR 89.2. This engine shall be moved with its associated equipment at least once every 12 consecutive months after operating at this site for any period of time.

7. Record Keeping Requirement

APAC Missouri, Inc. shall maintain all records required by this permit for not less than five years and make them available to any Missouri Department of Natural Resources' personnel upon request.

8. Reporting Requirement

APAC Missouri, Inc. shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than 10 days after any exceedances of the limitations imposed by this permit.

REVIEW OF APPLICATION FOR AUTHORITY TO CONSTRUCT AND OPERATE
SECTION (6) REVIEW

Project Number: 2015-05-027
Installation ID Number: PORT-0716
Permit Number:

APAC Missouri, Inc.
22600 Snow Road
Sedalia, Missouri 65301

Complete: May 7, 2015

Parent Company:
APAC Missouri, Inc.
P.O. Box 23910
Overland Park, Kansas 66283

Pettis County, S23 and 24, T46N, R22W

PROJECT DESCRIPTION

APAC – Missouri is moving its stationary plant 159-0001 to the Sedalia Quarry (Site ID: 159-0002) Sedalia, Missouri in Pettis County (S23 and 24, T46N, R22W) to crush rock. The stationary plant, originally permitted under permit #122004-006, is a generic rock crushing plant consisting of a primary crusher, secondary crusher, two screens, and 20 conveyors. The maximum hourly design rate (MHDR) of the primary emission unit (primary crusher, EU-1) is 400 tons per hour.

The applicant is using one of the methods described in Attachment AA, “Best Management Practices,” to control emissions from haul roads and vehicular activity areas.

The site is located in a quarry owned by APAC, which consists of a stationary asphalt plant (159-0002) and a generic portable rock-crushing plant (PORT-0709).

The plant will be powered by a 750 horsepower diesel engine, however it meets the definition of nonroad engine as defined in 40 CFR 89.2 (1)(i). Therefore, the emissions of the engine were not included in the project emissions.

TABLES

The table below summarizes the emissions of this project. The potential emissions of the process equipment, which excluded emissions from haul roads and wind erosion, are not site specific and should not vary from site to site. The existing actual emissions were taken from the 2014 Emissions Inventory Questionnaire (EIQ). The potential emissions of the application represent the emissions of all equipment and activities

assuming continuous operation (8760 hours per year). The conditioned potential emissions represent the emissions after taking into account the reduction of annual emissions due to adhering to the 24-hour NAAQS for PM₁₀.

Table 2: Emissions Summary (tons per year)

Air Pollutant	De Minimis Level/SMAL	^a Potential Emissions of Process Equipment	Existing Actual Emissions (2014 EIQ)	^b Potential Emissions of the Application	Conditioned Potential Emissions
PM	25.0	15.42	N/A	98.66	83.19
PM ₁₀	15.0	6.56	2.56	39.83	33.58
PM _{2.5}	10.0	0.56	0.70	10.39	8.76
SO _x	40.0	N/A	3.28	N/A	N/A
NO _x	40.0	N/A	4.37	N/A	N/A
VOC	40.0	N/A	0.89	N/A	N/A
CO	100.0	N/A	14.66	N/A	N/A
GHG (mass)	250.0	N/A	N/A	N/A	N/A
Formaldehyde	10.0/2.0 ^c	N/A	N/A	N/A	N/A
Total HAPs	25.0	N/A	N/A	N/A	N/A

N/A = Not Applicable

^a Excludes emissions from fugitive and background sources.

^b Includes site specific haul road and storage pile emissions

^c SMAL

Table 3 (below) outlines the ambient air quality impacts of both concurrent operating and solitary operating scenarios. The background emissions equate to 20.0 µg/m³ and account for the use of BMPs to control fugitive emissions on haul roads and areas of vehicular activity. This plant will be operating with two same-owner plants, but all three plants must have production balanced between them such that the 24-hour NAAQS for PM₁₀ is not exceeded. This should be done on the provided tracking sheets included in this permit (Attachment A).

Table 3: Ambient Air Quality Impact Analysis

Pollutant	NAAQS (µg/m ³)	Averaging Time	^a Maximum Modeled Impact (µg/m ³)	Limited Impact (µg/m ³)	Background (µg/m ³)	^b Daily Production Limit (tons/day)
^c PM ₁₀ (solitary)	150.0	24-hour	165.2	130.0	20.0	8,094
^d PM ₁₀ (same)	150.0	24-hour	N/D	130.0	20.0	N/A

N/D = Not Determined

^aModeled impact at maximum capacity with controls

^bThe daily production limit is indirectly based on compliance with NAAQS. However, the daily production limit during the same owner operating scenario is not determined because APAC can balance production between all plants they own and operate at this site.

^cSolitary operation of APAC Missouri, Inc.-PORT-0716.

^dOperation with other plants that are owned by APAC Missouri, Inc.

EMISSIONS CALCULATIONS

Emissions for the project were calculated using emission factors found in the United States EPA document AP-42 *Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources*, Fifth Edition (AP-42).

Emissions from the rock-crushing equipment were calculated using emission factors from AP-42 Section 11.19.2 "Crushed Stone Processing and Pulverized Mineral Processing," August 2004. The controlled emission factors were used because the inherent moisture content of the crushed rock is greater than 1.5 % by weight.

Emissions from the diesel generator was calculated using emission factors from AP-42 Section 3.3 Gasoline and Diesel Industrial Engines," October 1996 and Section 3.4 "Large Stationary Diesel and All Stationary Dual-fuel Engines," October 1996; however, these calculations were not included in the permit because the diesel generator meets the requirements of a nonroad engine as defined in 40 CFR 89.2.

Emissions from haul roads and vehicular activity areas were calculated using the predictive equation from AP-42 Section 13.2.2 "Unpaved Roads," November 2006. A 90% control efficiency for PM and PM₁₀ and a 40% control efficiency for PM_{2.5} were applied to the emission calculations for the use of BMPs. Emissions from load-in and load-out of storage piles were calculated using the predictive equation from AP-42 Section 13.2.4. The moisture content of the aggregate is greater than 1.5% by weight, and this shall be supported through the requirements of special condition 5 in this permit. Emissions from wind erosion of storage piles were calculated using an equation found in the Air Pollution Control Program's Emissions Inventory Questionnaire Form 2.8 "Storage Pile Worksheet."

AMBIENT AIR QUALITY IMPACT ANALYSIS

An ambient air quality impact analysis (AAQIA) was performed to determine the impact of the pollutants listed in Table 3. The Air Pollution Control Program requires an AAQIA of PM₁₀ for all asphalt, concrete and rock-crushing plants regardless of the level of PM₁₀ emissions if a permit is required. An AAQIA is required for other pollutants if their emissions exceed their respective de minimis or screening model action level (SMAL). The AAQIA was performed using the Air Pollution Control Program's generic nomographs and when appropriate the EPA modeling software AERSCREEN. For each pollutant that was modeled, the maximum concentration that occurs at or beyond the site boundary was compared to the NAAQS or RAL for the pollutant. If during continuous operation the modeled concentration of a pollutant is greater than the applicable NAAQS or RAL, the plant's production is limited to ensure compliance with the standard.

This plant uses BMPs to control emissions from haul roads and vehicular activity areas, so emissions from these sources were not included in the AAQIA. Instead they were

addressed as a background concentration of 20 µg/m³ of PM₁₀ in accordance with the Air Pollution Control Program's BMPs interim policy.

OPERATING SCENARIOS

The plant is permitted to operate with other plants located at the site as long as the 24-hour NAAQS for PM₁₀ is not exceeded. The following scenarios explain how APAC Missouri, Inc. shall demonstrate compliance with the NAAQS.

- When no other plants are located at this site, PORT-0716 shall limit the ambient air quality impact to 150.0 µg/m³ or less using the provided tracking sheet (Attachment A).
- When plants that are owned by APAC Missouri, Inc., which are referred to as same owner plants, are located at the site, APAC Missouri, Inc. must calculate the daily impact of each plant and limit the total impact of all plants such that the 24-hour NAAQS for PM₁₀ is not exceeded by using the provided tracking sheet (Attachment A).
- When plants that are not owned by APAC Missouri, Inc., which are referred to as separate owner plants, are located at the site, APAC Missouri, Inc. is not permitted to operate.

PERMIT RULE APPLICABILITY

This review was conducted in accordance with Section (6) of Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*. Potential emissions of PM₁₀ are conditioned below de minimis levels.

APPLICABLE REQUIREMENTS

APAC Missouri, Inc. shall comply with the following applicable requirements. The Missouri Air Conservation Laws and Regulations should be consulted for specific record keeping, monitoring, and reporting requirements. Compliance with these emission standards, based on information submitted in the application, has been verified at the time this application was approved. For a complete list of applicable requirements for your installation, please consult your operating permit.

GENERAL REQUIREMENTS

- *Submission of Emission Data, Emission Fees and Process Information*, 10 CSR 10-6.110.
- *Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin*, 10 CSR 10-6.170
- *Restriction of Emission of Visible Air Contaminants*, 10 CSR 10-6.220
- *Restriction of Emission of Odors*, 10 CSR 10-6.165

SPECIFIC REQUIREMENTS

- *Restriction of Emission of Particulate Matter From Industrial Processes*, 10 CSR 10-6.400
- 40 CFR 60 Subpart OOO, "Standards of Performance for Nonmetallic Mineral Processing Plants" applies to the equipment.
- None of the National Emission Standards for Hazardous Air Pollutants (NESHAPS) or National Emission Standards for Hazardous Air Pollutants for Source Categories (MACTS) apply to the proposed equipment.
- *Restriction of Emission of Sulfur Compounds*, 10 CSR 10-6.260

STAFF RECOMMENDATION

On the basis of this review conducted in accordance with Section (6), Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*, I recommend this permit be granted with special conditions.

Jordan Hindman
New Source Review Unit

Date

PERMIT DOCUMENTS

The following documents are incorporated by reference into this permit:

- The Application for Authority to Construct form, dated May 1, 2015, received May 7, 2015, designating APAC Missouri, Inc. as the owner and operator of the installation.

Attachment AA: Best Management Practices

Haul roads and vehicular activity areas shall be maintained in accordance with at least one of the following options when the plant is operating.

1. Pavement
 - A. The operator shall pave the area with materials such as asphalt, concrete or other materials approved by the Air Pollution Control Program. The pavement will be applied in accordance with industry standards to achieve control of fugitive emissions while the plant is operating.
 - B. Maintenance and repair of the road surface will be conducted as necessary to ensure that the physical integrity of the pavement is adequate to achieve control of fugitive emissions from these areas while the plant is operating.
 - C. The operator shall periodically wash or otherwise clean all of the paved portions of the haul roads as necessary to achieve control of fugitive emissions from these areas while the plant is operating.

2. Application of Chemical Dust Suppressants
 - A. The operator shall apply a chemical dust suppressant (such as magnesium chloride, calcium chloride, lignosulfonates, etc.) to unpaved areas.
 - B. The quantities of the chemical dust suppressant shall be applied and maintained in accordance with the manufacturer's recommendation (if available) and in sufficient quantities to achieve control of fugitive emissions from these areas while the plant is operating.
 - C. The operator shall record the time, date and the amount of material applied for each application of the chemical dust suppressant agent on the above areas. The operator shall keep these records with the plant for not less than five (5) years and make these records available to Department of Natural Resources' personnel upon request.

3. Application of Water-Documented Daily
 - A. The operator shall apply water to unpaved areas. Water shall be applied at a rate of 100 gallons per day per 1,000 square feet of unpaved or untreated surface area while the plant is operating.
 - B. Precipitation may be substituted for watering if the precipitation is greater than one quarter of one inch and is sufficient to control fugitive emissions.
 - C. Watering may also be suspended when the ground is frozen, during periods of freezing conditions when watering would be inadvisable for traffic safety reasons, or when there will be no traffic on the roads.
 - D. The operator shall record the date, volume of water application and total surface area of active haul roads or the amount of precipitation that day. The operators shall also record the rationale for not watering (e.g. freezing conditions or not operating).
 - E. The operator shall keep these records with the plant for not less than five (5) years, and the operator shall make these records available to Department of Natural Resources' personnel upon request.

APPENDIX A

Abbreviations and Acronyms

%percent	MHDR maximum hourly design rate
°Fdegrees Fahrenheit	MMBtu Million British thermal units
acfm actual cubic feet per minute	MMCF million cubic feet
BACT Best Available Control Technology	MSDS Material Safety Data Sheet
BMPs Best Management Practices	NAAQS ... National Ambient Air Quality Standards
Btu British thermal unit	NESHAPs ..National Emissions Standards for Hazardous Air Pollutants
CAM Compliance Assurance Monitoring	NO_x nitrogen oxides
CAS Chemical Abstracts Service	NSPS New Source Performance Standards
CEMS Continuous Emission Monitor System	NSR New Source Review
CFR Code of Federal Regulations	PM particulate matter
CO carbon monoxide	PM_{2.5} particulate matter less than 2.5 microns in aerodynamic diameter
CO₂ carbon dioxide	PM₁₀ particulate matter less than 10 microns in aerodynamic diameter
CO_{2e} carbon dioxide equivalent	ppm parts per million
COMS Continuous Opacity Monitoring System	PSD Prevention of Significant Deterioration
CSR Code of State Regulations	PTE potential to emit
dscf dry standard cubic feet	RACT Reasonable Available Control Technology
EIQ Emission Inventory Questionnaire	RAL Risk Assessment Level
EP Emission Point	SCC Source Classification Code
EPA Environmental Protection Agency	scfm standard cubic feet per minute
EU Emission Unit	SDS Safety Data Sheet
fps feet per second	SIC Standard Industrial Classification
ft feet	SIP State Implementation Plan
GACT Generally Available Control Technology	SMAL Screening Model Action Levels
GHG Greenhouse Gas	SO_x sulfur oxides
gpm gallons per minute	SO₂ sulfur dioxide
gr grains	tph tons per hour
GWP Global Warming Potential	tpy tons per year
HAP Hazardous Air Pollutant	VMT vehicle miles traveled
hr hour	VOC Volatile Organic Compound
hp horsepower	
lb pound	
lbs/hr pounds per hour	
MACT Maximum Achievable Control Technology	
µg/m³ micrograms per cubic meter	
m/s meters per second	
Mgal 1,000 gallons	
MW megawatt	

Ms. Diane Tucker
EHS Manager
APAC Missouri, Inc.
P.O. Box 23910
Overland Park, Kansas 66283

RE: New Source Review Permit; Project Number: 2015-05-027; Installation Number: PORT-0716

Dear Ms. Tucker:

Enclosed with this letter is your permit to construct. Please study it carefully and refer to Appendix A for a list of common abbreviations and acronyms used in the permit. Also, note the special conditions on the accompanying pages. The document entitled, "Review of Application for Authority to Construct," is part of the permit and should be kept with this permit in your files. Operation in accordance with these conditions, your new source review permit application and with your amended operating permit is necessary for continued compliance. The reverse side of your permit certificate has important information concerning standard permit conditions and your rights and obligations under the laws and regulations of the State of Missouri.

If you were adversely affected by this permit decision, you may be entitled to pursue an appeal before the administrative hearing commission pursuant to Sections 621.250 and 643.075.6 RSMo. To appeal, you must file a petition with the administrative hearing commission within thirty days after the date this decision was mailed or the date it was delivered, whichever date was earlier. If any such petition is sent by registered mail or certified mail, it will be deemed filed on the date it is mailed; if it is sent by any method other than registered mail or certified mail, it will be deemed filed on the date it is received by the administrative hearing commission, whose contact information is: Administrative Hearing Commission, Truman State Office Building, Room 640, 301 W. High Street, P.O. Box 1557, Jefferson City, Missouri 65102, phone: 573-751-2422, fax: 573-751-5018, website: www.oa.mo.gov/ahc.

If you have any questions regarding this permit, please do not hesitate to contact Jordan Hindman, at the department's Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102 or at (573) 751-4817. Thank you for your attention to this matter.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Susan Heckenkamp
New Source Review Unit Chief

SH;jhl

c: Kansas City Regional Office
PAMS File: 2015-05-027

Permit Number: