

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:

022015-002

Project Number: 2014-10-001

Installation ID: 037-0007

Parent Company: APAC - Missouri, Inc.

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

Installation Name: APAC - Missouri, Inc.

Installation Address: 22306 South State Route 291, Harrisonville, MO 64701

Location Information: Cass County, S17 T45N R31W

Application for Authority to Construct was made for:
Changing the status of the existing asphalt plant (PORT-0521) from a portable plant to a stationary plant. 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.

FEB 03 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.

Page No.	3
Permit No.	
Project No.	2014-10-001

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. **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 and Attachment B 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.
 - C. APAC - Missouri, Inc. is exempt from the requirements of Special Condition 2.B when only this asphalt plant is operating at this site.
3. **Annual Emission Limit**
 - A. APAC - Missouri, Inc. shall emit less than 15.0 tons of PM₁₀ in any 12-month period from this asphalt plant.
 - B. APAC - Missouri, Inc. shall demonstrate compliance with Special Condition 3.A using Attachment C or another equivalent form that has been approved by the Air Pollution Control Program, including an electronic form.
4. **Moisture Content Testing Requirement**
 - A. APAC - Missouri, Inc. shall verify that the moisture content of the rock that will be processed is equal to or greater than 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.

Page No.	4
Permit No.	
Project No.	2014-10-001

SPECIAL CONDITIONS:

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

- 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 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 4.A, another test may be performed within 15 days of the noncompliant test. If the results of that test also exceed the limit, 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 4.A from the supplier of the aggregate.
5. Control Device Requirement-Baghouse
- A. APAC - Missouri, Inc. shall control emissions from the drum dryer (EP-4) using baghouses as specified in the permit application.
 - B. The baghouses shall be operated and maintained in accordance with the manufacturer's specifications. The baghouse shall be equipped with a gauge or meter, which indicates the pressure drop across the control device. These gauges or meters shall be located such that Department of Natural Resources' employees may easily observe them.
 - C. Replacement filters for the baghouses shall be kept on hand at all times. The bags shall be made of fibers appropriate for operating conditions expected to occur (i.e. temperature limits, acidic and alkali resistance, and abrasion resistance).
 - D. APAC - Missouri, Inc. shall monitor and record the operating pressure drop across the baghouses at least once every 24 hours. The operating pressure drop shall be maintained within the design conditions specified by the manufacturer's performance warranty.

Page No.	5
Permit No.	
Project No.	2014-10-001

SPECIAL CONDITIONS:

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

- E. APAC - Missouri, Inc. shall maintain a copy of the baghouse manufacturer's performance warranty on site.
- F. APAC - Missouri, Inc. shall maintain an operating and maintenance log for the baghouses which shall include the following:
 - 1) Incidents of malfunction, with impact on emissions, duration of event, probable cause, and corrective actions; and
 - 2) Maintenance activities, with inspection schedule, repair actions, and replacements, etc.
- 6. Fuel Requirement-Drum Dryer and Asphalt Heater
 - A. APAC - Missouri, Inc. shall exclusively burn diesel fuel with a sulfur content less than or equal to 0.6 percent by weight in their drum dryer (EU-4).
 - B. APAC - Missouri, Inc. shall exclusively burn diesel fuel with a sulfur content less than or equal to 0.0015 percent by weight in their asphalt heater (EU-7).
 - C. APAC - Missouri, Inc. shall demonstrate compliance with Special Condition 6.A and 6.B. by obtaining records of the fuel's sulfur content from the vendor for each shipment of fuel received or by testing each shipment of fuel for the sulfur content in accordance with the method described in 10 CSR 10-6.040 *Reference Methods*.
 - D. APAC - Missouri, Inc. shall keep the records required by Special Condition 6.C. on site and make them available for Department of Natural Resources' employees upon request.
- 7. Minimum Distance to Property Boundary Requirement
The primary emission point, drum dryer (EP-4), shall be located at least 1,000 feet from the nearest property boundary.
- 8. 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.
- 9. 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: 2014-10-001
Installation ID Number: 037-0007
Permit Number:

APAC - Missouri, Inc.
22306 South State Route 291
Harrisonville, MO 64701

Complete: October 6, 2014

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

Cass County, S17 T45N R31W

PROJECT DESCRIPTION

APAC - Missouri, Inc. (APAC) has requested to change the status of portable asphalt plant PORT-0521 to a stationary asphalt plant, located at Harrisonville Quarry. This plant was last permitted at this site as a portable asphalt plant during the review of Permit Number 052005-016F (Project Number 2012-01-001), which was issued on January 30, 2012.

This asphalt plant is rated to produce 400 tons per hour of asphalt. This plant may operate concurrently with other plants at this site as long as all APAC plants balance production to ensure the NAAQS is not exceeded. Separate owner plants and plants owned by APAC must take daily production limits as shown in Table 2. The asphalt plant is powered by electricity from the local utility company and therefore generators are no longer needed for this plant. This plant consists of a 125 million British thermal (MMBtu) unit per hour drum dryer burner and 1.227 MMBtu per hour liquid asphalt heater, which are fueled by diesel fuels. Particulate emissions from the drum dryer are controlled by a baghouse. 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.

APAC also operates a stationary rock-crushing plant at this site, which operates under Permit Numbers 082005-019 and 082005-019A. In addition, at the time this permit was issued, Lehman Construction Company operates portable concrete plant PORT-0609 at this site under Permit Number 062008-009E to support a Missouri Department of Transportation's highway project (Project Number J4P1475).

This installation is located in Cass County, attainment status. This installation is not on the List of Named Installations [10 CSR 10-6.020(3)(B), Table 2].

Several permits have been issued to this plant as a portable plant but this is the plant's first permit as a stationary source.

The table below summarizes the emissions of this project. The potential emissions of the process equipment excludes emissions from haul roads and wind erosion. The existing actual emissions were taken from the previous year's 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 are based on a voluntary 15.0 ton per year PM₁₀ limit for this asphalt plant to avoid modeling requirements. Potential emissions of the installation include conditioned potential emissions of the stationary rock-crushing plant (per Permit Number 082005-019) and the stationary asphalt plant. Because the asphalt plant and rock-crushing plant are on the same site, under common control and the rock-crushing plant is a support facility for the asphalt plant, both plants are considered the same installation for permitting purposes.

Table 1: Emissions Summary (tons per year)

Air Pollutant	De Minimis Level/SMAL	^a Potential Emissions of Process Equipment	Existing Actual Emissions (2013 EIQ)	^b Potential Emissions of the Application	^c Conditioned Potential Emissions of the Application	^d Potential Emissions of the Installation
PM	25.0	61.01	N/D	510.19	42.34	N/D
PM ₁₀	15.0	42.70	1.27	180.73	< 15.00	< 65.00
PM _{2.5}	10.0	40.68	N/D	116.96	9.71	N/D
SO _x	40.0	365.01	0.35	365.01	30.29	30.29
NO _x	40.0	191.55	1.75	191.55	15.90	15.90
VOC	40.0	84.26	1.02	84.26	6.99	6.99
CO	100.0	24.90	4.14	24.90	2.07	2.07
GHG (CO ₂ e)	75,000 / 100,000	90,592.77	N/D	90,592.77	7,518.84	7,518.84
GHG (mass)	0.0 / 100.0 / 250.0	90,204.34	N/D	90,204.34	7,486.60	7,486.60
Formaldehyde	10.0/2.0 ^e	5.59	N/D	5.59	0.46	0.46
2-methylnapthalene ^f	10.0/0.01 ^e	0.30	N/D	0.30	0.02	0.02
Lead Compounds	10.0/0.01 ^e	0.03	N/D	0.03	0.00002	0.00002
Total HAPs	25.0	18.00	N/D	18.00	1.49	1.49

N/D = Not Determined

^a Excludes emissions from haul roads and wind erosion

^b Includes site specific haul road and storage pile emissions

^c Conditioned Potential Emissions of the Application only limits emissions for this site's stationary asphalt plant

^d Potential emissions of the installation include conditioned potential emissions of the stationary rock-crushing plant (per Permit Number 082005-019) and the stationary asphalt plant. The review of Permit Number 082005-019 did not include PM and PM_{2.5} emissions. As a result, the potential emissions of these pollutants for the entire installation were not included in this project review.

^e SMAL

^f 2-methylnapthalene is a member of the Polycyclic Organic Matter (POM) HAP group

Table 2: 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 (tons/day)
^c PM ₁₀ (solitary)	150.0	24-hour	25.70	N/A	20.0	9,600
^d PM ₁₀ (same)	150.0	24-hour	N/A	130.00	20.00	N/A
^e PM ₁₀ (separate)	150.0	24-hour	N/A	84.67	65.33	N/A
2-methylnaphthalene	23	24-hour	0.09	N/A	N/A	N/A
2-methylnaphthalene	2.3g	Annual	0.0012	N/A	N/A	N/A

^aModeled impact at maximum capacity with controls

^bThe daily production limit of APAC is indirectly based on compliance with the NAAQS for PM₁₀.

However, the daily production limit of APAC during the same and separate owner operating scenarios is not determined because APAC can balance production between all plants they own and operate at this site. There is no daily production limit if the asphalt plant operates at this site by itself.

^c Operation of only the stationary asphalt plant

^d Operation with other plants that are owned by APAC (including rock-crushing plant)

^e Operation with plants that are and are not owned by APAC

The plant's drum dryer was modeled using the AERSCREEN screen modeling software. The stack characteristic entered into the modeled are listed in Table 3.

Table 3: AERSCREEN Input Parameters

Equipment Description	Stack Height (m)	Stack Inside Diameter (m)	Stack Gas Exit Velocity (m/s)	Stack Gas Exit Temperature (K)	Dispersion Coefficient
Drum Dryer	13.50	1.20	26.54	422.04	Rural
Asphalt Heater	3.60	0.27	3.64	533.15	Rural

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 drum mix asphalt plant were calculated using emission factors from AP-42 Section 11.1 "Hot Mix Asphalt Plants," April 2004. SO_x emissions were calculated using the SO₂ and SO₃ emission factors from AP-42 Section 1.3 "Fuel Oil Combustion," September 1998 and assuming half of the sulfur up to 0.1 pound per ton of product is absorbed into the product. The asphalt plant is controlled by a baghouse, so the fabric filter controlled emission factor was used to calculate PM₁₀ emissions. Emissions from plant load-out were calculated using predictive equations found in AP-42 Table 11.1-14. Default values were used for asphalt volatility and mix temperature. Emissions from the asphalt heater were calculated using emission factors from AP-42 Section 1.3. Emissions from aggregate handling 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 equal to or greater than 1.5% by weight.

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 equal to or greater than 1.5% by weight. 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 2. 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 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 20.0 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 NAAQS is not exceeded. The following scenarios explain how APAC - Missouri, Inc. shall demonstrate compliance with the NAAQS.

- When only this asphalt plant is located at this site, which is referred to as solitary operation, no record keeping is required to show compliance to the NAAQS for PM₁₀.
- When other plants that are owned by APAC, which are referred to as same owner plants, are located at the site, APAC must calculate the daily impact of each plant

and limit the total impact of all plants to not exceed the NAAQS using Attachment A or another equivalent form.

- When plants that are not owned by APAC, which are referred to as separate owner plants, are located at the site, APAC must account for the impacts of these plants as a background concentration and add it to the total impact of all plants owned by APAC that are operating at the site. This total is limited to not exceed the NAAQS. APAC will limit the total impact of all plants they own and operate at the site to 84.67 $\mu\text{g}/\text{m}^3$ when any plants they do not own are located at the site. APAC is not permitted to operate with any plant that is not owned by APAC that has a separate owner background greater than 45.33 $\mu\text{g}/\text{m}^3$. Emissions from haul roads and vehicular activity areas are addressed as a background concentration of 20.0 $\mu\text{g}/\text{m}^3$. During this scenario, APAC - Missouri, Inc. shall use Attachment B to demonstrate compliance with the NAAQS.

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 PM_{10} are conditioned below the de minimis level and potential emissions of PM are above the de minimis level, but below major source level.

APPLICABLE REQUIREMENTS

APAC 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
- Because this equipment is already in operation, a modification to your Basic Operating Permit is required for this installation within 30 days of the issuance of this construction permit.
- *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

- 40 CFR 60 Subpart I, "Standards of Performance for Hot Mix Asphalt Facilities" applies to the equipment
- None of the NESHAPS or MACT regulations 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.

Daronn A. Williams
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 September 25, 2014, received September 30, 2014, designating APAC - Missouri, Inc. as the owner and operator of the installation.
- U.S. EPA document AP-42, *Compilation of Air Pollutant Emission Factors*, Fifth Edition.

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

Ms. Diane Tucker
EH&S Manager
APAC - Missouri, Inc.
P.O. Box 23910
Overland Park, KS 66283

RE: New Source Review Permit- Permit Number:
Project Number: 2014-10-001; Installation Number: 037-0007

Dear Ms. Tucker:

APAC - Missouri, Inc. has requested to change the status of portable asphalt plant PORT-0521 to a stationary asphalt plant. This asphalt plant is rated to produce 400 tons per hour of asphalt. This plant is powered by electricity from the local utility company. This plant consists of a 125 million British thermal (MMBtu) unit per hour drum dryer burner and 1.227 MMBtu per hour liquid asphalt heater. Particulate emissions from the drum dryer are controlled by a baghouse.

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.

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, P.O. Box 1557, Jefferson City, MO www.oa.mo.gov/ahc.

If you have any questions regarding this permit, please do not hesitate to contact Daronn A. Williams, 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:dwl

Enclosures

c: Kansas City Regional Office PAMS File: 2014-10-001 Permit Number: