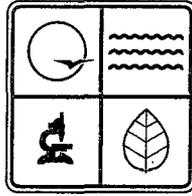


STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES
MISSOURI AIR CONSERVATION COMMISSION



PERMIT BOOK

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: **042007 - 017** Project Number: **2006-12-022**
009-0042
Owner: **Hutchens Construction Company**
Owner's Address: **1007 Main Street, Cassville, MO 65625**
Installation Name: **Hutchens Construction Company**
Installation Address: **Farm Road 2060 (4 miles NE of Purdy), Purdy, MO 65734**
Location Information: **Barry County, S34, T25N, R27W**

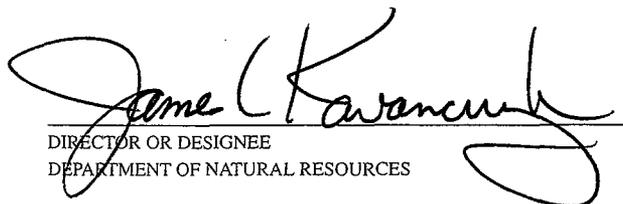
Application for Authority to Construct was made for:

The modification of an existing asphalt plant to eliminate and install multiple equipment at the site. Asphalt is produced through a Drum Mix Dryer. The new maximum hourly design rate (MHDR) after new equipment installation is 250 tons per hour (tph). Best Management Practices will be used to control fugitive emissions from haul roads and storage piles. This review was conducted in accordance with Section (5), 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 (listed as attachments starting on page 2) are applicable to this permit.

APR 23 2007

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. Specifically, all air contaminant control devices shall be operated and maintained as specified in the application, associated plans and specifications.

You must notify the Air Pollution Control Program of the anticipated date of start up of this (these) air contaminant source(s). The information must be made available not more than 60 days but at least 30 days in advance of this date. 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 as provided in RSMo 643.075. If you choose to appeal, the Air Pollution Control Program must receive your written declaration within 30 days of receipt of this permit.

If you choose not to appeal, this certificate, the project review, 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 Department of Natural Resources has established the Outreach and Assistance Center to help in completing future applications or fielding complaints about the permitting process. You are invited to contact them at 1-800-361-4827 or (573) 526-6627, or in writing addressed to Outreach and Assistance Center, P.O. Box 176, Jefferson City, MO 65102-0176.

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 Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102-0176, attention Construction Permit Unit.

2006-12-022
009-0042

Hutchens Construction Company

1007 Main Street, Cassville, MO 65625

Hutchens Construction Company

Farm Road 2060 (4 miles NE of Purdy), Purdy, MO 65734

Barry County, S34, T25N, R27W

The modification of an existing asphalt plant to eliminate and install multiple equipment at the site. Asphalt is produced through a Drum Mix Dryer. The new maximum hourly design rate (MHDR) after new equipment installation is 250 tons per hour (tph). Best Management Practices will be used to control fugitive emissions from haul roads and storage piles. This review was conducted in accordance with Section (5), Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*.

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Permit No.	
Project No.	2006-12-022

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); by the Missouri Rules listed in Title 10, Division 10 of the Codes of State Regulations (specifically 10 CSR 10-6.060); by 10 CSR 10-6.060 paragraph (12)(A)10. "Conditions required by permitting authority"; by 10 CSR 10-6.010 "Ambient Air Quality Standards" and 10 CSR 10-6.060 subsections (5)(D) and (6)(A); and by control measures requested by the applicant, in their permit application, to reduce the amount of air pollutants being emitted, in accordance with 10 CSR 10-6.060 paragraph (6)(E)3. Furthermore, one or more of the Subparts of 40 CFR Part 60, New Source Performance Standards (NSPS), applies to this installation.

1. **Best Management Practices**
Hutchens Construction Company shall control fugitive emissions from all of the haul roads and stockpiles at this site by performing *Best Management Practices*, which include the usage of paving, chemical dust suppressants, or documented watering. These practices are defined in Attachment AA.
2. **National Ambient Air Quality Standards (NAAQS) Limitation for Particulate Matter Less Than Ten Microns in Diameter (PM₁₀)**
 - A. The operator(s) for Hutchens Construction Company's asphalt plant (009-0042) shall ensure, while operating at this site, that the ambient impact of PM₁₀ at or beyond the nearest property boundary does not exceed 150 µg/m³ in any 24-hour period, in accordance with the Federal NAAQS requirements (40 CFR 50.6).
 - B. The asphalt plant is permitted to operate under four (4) scenarios: Solitary, concurrent (same owner), concurrent (separate owner), and concurrent (same **and** separate owners) operations. The total daily ambient impact of PM₁₀ at this site shall include the combined impact of the asphalt plant and any ambient background concentration from installations or equipment located on the same site as the asphalt plant.
 - C. During solitary and concurrent (separate owners) operations, no record keeping is necessary to show compliance with special condition 2A.
 - D. During concurrent (same owner) and concurrent (same **and** separate owner) operations, the operator(s) shall maintain a daily record of material processed and the resulting daily PM₁₀ ambient impact to demonstrate compliance with special condition 2A. Attachment A-1, or other equivalent form(s), shall be used for this purpose during concurrent (same owner) operations, and Attachment A-2, or other equivalent form(s), shall be used for this purpose during concurrent (same and separate) owner operations.
3. **Annual Emission Limit of Particulate Matter Less Than Ten Microns in Diameter (PM₁₀)**
 - A. The operator(s) shall ensure that Hutchens Construction Company's asphalt plant emits less than 15 tons of PM₁₀ into the atmosphere in any 12-month period.
 - B. To demonstrate compliance, the operator(s) shall maintain a daily record of material processed and PM₁₀. Attachment B, *Monthly PM₁₀ Emissions Tracking Record*, or other equivalent form(s), will be used for this purpose.
4. **Hourly Emission Limit of Particulate Matter Less than Ten (10) Microns in Diameter from the Drum Dryer**
 - A. The operators shall perform stack test on the stack of the drum dryer to ensure that the asphalt plant emits less than 2.0 pounds of PM₁₀ into the atmosphere per hour.
 - B. Hutchens Construction Company shall contact the Enforcement section to obtain all requirements for testing, and a completed test plan form must be submitted to the Enforcement section at least 30 days prior to the proposed test date.
 - C. Stack Testing must be performed no later than 60 days after achieving the maximum production rate of the process, and in any case no later than 180 days after initial startup. Testing shall be performed at no less than 90% of the maximum production rate. The performance test results shall be submitted to the Enforcement section no later than 30 days after completion of any required testing.
 - D. Stack testing conducted to show compliance with NSPS (see special condition no. 6), can be used to show compliance with special condition no. 4A.

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Project No.	2006-12-022

SPECIAL CONDITIONS:

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

5. Moisture Content Testing of Storage Piles Requirement
 - A. The moisture content of the stockpiled rock will reduce particulate emissions. Hutchens Construction Company claimed the moisture content of the stored rock to be greater than or equal to 1.5 wt.%, which shall be verified by testing.
 - B. Testing shall be conducted according to approved methods, such as those prescribed by the *American Society for Testing Materials (ASTM D-2216 or C-566)*, EPA AP-42 Appendix C.2, or other method(s) approved by the Director.
 - C. The operator may obtain a copy of the test results of the inherent moisture content from the supplier(s) of the aggregate. Otherwise, the operator shall obtain test samples from each source of untested aggregate. The written analytical report shall include the raw data and moisture content (wt.%) of each sample, the test date, and the original signature of the individual performing the test. Within 30 days of completion of the required tests, the report shall be filed either on-site or at Hutchens Construction Company's main office.
 - D. If the moisture content result of the first test is less than 1.5 wt.%, a second test must be performed within 30 days. If the result of the second test is less than 1.5 wt.%, Hutchens Construction Company shall apply for a new construction permit to account for the revised information or install wet spray devices on the affected units.

6. Baghouse(s) Control System Requirements
 - A. Hutchens Construction Company shall install and operate baghouse(s) to restrict the emission of particulate matter. The baghouse(s) must be used whenever these units are in operation. The baghouse(s) shall be installed on the following units: Drum Dryer, Mineral Filler Silo, and Hydrated Lime Silo.
 - B. The Hutchens Construction Company shall install instruments to monitor the operating pressure drop across the baghouse. All instruments and control equipment shall be calibrated, maintained and operated according to the manufacturer's preventive maintenance recommendations. The operator(s) shall check and record the pressure drop across the baghouse filter once per operating day during silo loading. The baghouse operating pressure drop shall be maintained according to manufacturer's specifications.
 - C. The operator(s) shall conduct and document a quarterly inspection and maintenance of the baghouse for structural component failures, for leaks and wear, and for the cleaning sequence of the baghouse. Replacement bags shall be kept on hand at all times to replace defective bags (The bags shall be made of fibers appropriate for the operating conditions expected to occur). All inspections, corrective actions, and instrument calibrations shall be recorded.

7. Performance Testing for New Source Performance Standards (NSPS)
 - A. Hutchens Construction Company shall submit the enclosed testing plan to the Enforcement section of the Air Pollution Control Program for all equipment applicable to NSPS Subpart "I". Hutchens Construction Company shall contact the Enforcement section to obtain all requirements for testing, and the plan must be submitted to the Enforcement section at least 30 days prior to the proposed test date.
 - B. Testing must be performed no later than 60 days after achieving the maximum production rate of the process, and in any case no later than 180 days after initial startup. Testing shall be performed at no less than 90% of the maximum production rate. The performance test results shall be submitted to the Enforcement section no later than 30 days after completion of any required testing.

8. Restriction on Minimum Distance to Nearest Property Boundary

The primary emission point of the asphalt plant, which is the stack of the drum mix dryer, shall be located at least 780 feet from the nearest property boundary whenever it is operating at this site.

9. Restriction on the Use of Diesel Engine(s)

The operator(s) shall run the asphalt plant using primary electrical power and not diesel engine(s). If the company decides, in the future, that it would like to use diesel engine(s), a new permit review will be required.

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SPECIAL CONDITIONS:

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

10. Record Keeping Requirement

The operator(s) shall maintain all records required by this permit for not less than five (5) years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request.

11. Reporting Requirement

The operator(s) shall report to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten (10) days after any exceedances of the limitations imposed by this permit.

12. Superseding Condition

The conditions of this permit supersede all special conditions found in the previously issued construction permit(s) (052004-015, 022006-010) from the Air Pollution Control Program.

TECHNICAL REVIEW OF APPLICATION FOR AUTHORITY TO CONSTRUCT

PROJECT DESCRIPTION

Hot Mix Asphalt (HMA) is composed of non-metallic aggregate, sand, mineral filler and other materials with liquid asphaltic cement. These materials are mixed and heated/dried in the drum dryer. Processed HMA is delivered as sellable product. The emission points are listed in the attached spreadsheet summary. This installation is classified under the List of Named Installations [10 CSR 10-6.020(3)(B), Table 2, Item 27]. The installation is located in Barry County, an attainment area for all criteria air pollutants. When the plant was first permitted, it was permitted as a portable plant. However, between August and September, 2006, Hutchens Construction Company applied for and was issued a basic operating permit to convert the portable plant to a stationary plant.

Table 1. Other Construction Permits Issued for Site 009-0042

Permit Number	Completed	Description
052006-015	5/28/2004	Section 6 permit issued for the installation of a new portable asphalt plant
022006-010	2/16/2006	Addition of Best Management Practices and to allow additional plants to operate at the site.

Hutchens Construction Company would like to eliminate multiple equipment at the site. These equipment include the following:

- A Standard Havens Model drum mix asphalt dryer, rated at 350 tons per hour, with an attached baghouse.
- A fuel oil burner for the dryer, rated at 91 mmBTU/hr.
- Two (2) Astec aggregate bins.
- Four (4) Standards Havens aggregate bins with a twenty-four (24) inch underconveyor, scalping screen, thirty (30) inch weigh conveyor, and thirty (30) inch slinger conveyor.

Hutchens Construction Company would like to install the following equipment:

- An ADM Model RB250 drum mix asphalt dryer, rated at 250 tph with an attached baghouse.
- A fuel oil burner for the dryer, rated at 75.60 mmBTU/hr.
- Five (5) Model aggregate bins with twenty-four (24) inch belt feeders and a twenty-four (24) inch collecting conveyor.
- One (1) ADM Model thirty (30) inch weigh conveyor with an attached three (3) feet by eight (8) feet single-deck scalping screen and a twenty-four (24) inch slinger conveyor.
- One (1) 15,000 gallon burner fuel (#4 fuel oil) tank.
- One (1) 11,000 gallon burner fuel tank.
- One (1) 18,000 gallon off-road diesel tank.
- One (1) 1,000 gallon gasoline tank.
- One (1) 20,000 gallon asphalt/fuel oil tank.
- One (1) 12,000 gallons asphalt/fuel oil tank.

Old equipment that will stay at the site include the following.

- A mineral filler silo.
- A hydrated lime silo.
- Three (3) hot asphalt silos.
- Two thirty-six (36) inch covered slat conveyors that feed the asphalt silos.
- Two (2) 30,000 gallon asphalt/fuel oil storage tank.
- One (1) CEI Enterprise Model CEI-2000 liquid asphalt heater, rated at 2.12 mmBTU/hr.
- One (1) 2-compartment asphalt oil storage tank with total capacity of 25,000 gallons.
- One (1) 10,000 gallon asphalt/fuel oil storage tank.

After the installation of the new equipment, the maximum hourly design rate of the plant will decrease from 350 tpy to 250 tpy. No diesel engines shall be used by the plant. If Hutchens Construction Company decides, in the future, to use diesel engines, a new permit review will be required.

The asphalt plant is permitted to operate under four (4) scenarios.

- Solitary Operation: Operations when the asphalt plant is the only plant at the site.
- Concurrent (Same Owner) Operations: Operations when other asphalt, concrete, rock-crushing, or rock-screening plants owned by Hutchens Construction Company are located at this site.
- Concurrent (Separate Owners) Operations: Operations when other asphalt, concrete, rock-crushing, or rock-screening plants owned by other companies are located at this site.
- Concurrent (Same **and** Separate Owners) Operations: Operations when other asphalt, concrete, rock-crushing, or rock-screening plants owned by other companies **and** other asphalt, concrete, rock-crushing, or rock-screening plants owned by Hutchens Construction Company are located at the site.

EMISSIONS EVALUATION

Criteria air pollutants will be emitted from this operation. The main air pollutant of concern is PM₁₀. The potential emissions were calculated from the maximum hourly design rate (MHDR) of the equipment, appropriate emission factors, control device efficiencies, and the limiting operating hours at MHDR. The sources of the emission factors and control efficiencies are listed in the section "Permit Documents".

The asphalt plant has the potential to emit 32.63 tons per year of PM₁₀. In order to permit this plant as a *de minimis* source, Hutchens Construction Company has volunteered to hold its PM₁₀ emissions in any consecutive twelve-month period to under fifteen (15) tons. A composite PM₁₀ emission factor was developed for the asphalt plant. The composite emission factor is incorporated into the monthly record keeping table, Attachment B, and should be used to calculate PM₁₀ emissions.

Table 2: Emissions Summary (tons per year)

Air Pollutant	Regulatory <i>De Minimis</i> Levels	*Existing Potential Emissions	Existing Actual Emissions (2005 EIQ)	Potential Emissions of the Application	**New Installation Conditioned Potential	Emission Factor (lb/ton)
PM ₁₀	15.0	40.20	0.08	32.63	<15.00	0.0297
SO _x	40.0	21.59	0.14	16.93	12.64	N/A
NO _x	40.0	85.63	0.67	61.58	29.54	N/A
VOC	40.0	49.07	0.39	35.06	16.07	N/A
CO	100.0	199.62	1.59	142.69	65.64	N/A
HAPs	10.0/25.0	6.01	0.02	4.29	1.97	N/A

Note: N/A = Not Applicable

* Existing potential emissions taken from permit # 022006-010 (Project #2005-11-030).

** PM₁₀ conditioned potential based on limit in permit conditions. Other pollutants proportionately reduced according to PM₁₀ conditioned potential.

AMBIENT AIR QUALITY IMPACT ANALYSIS

Screening tools were used to evaluate the ambient air impact of the hourly emissions from this operation. The ambient impact was evaluated at a distance of 780 feet to the nearest property boundary. The ambient impact at this site shall not exceed the National Ambient Air Quality Standard (NAAQS) of 150 µg/m³ of PM₁₀ at or beyond the nearest property boundary in any single 24-hour period. For sources agreeing to use Best Management Practices (BMPs), as defined in Attachment AA, haul roads and stockpiles are not modeled with screening tools. Instead, they are addressed as a background level of 20 µg/m³ of PM₁₀. To ensure conformity with NAAQS, the remaining process emissions are limited to an impact of less than 130 µg/m³ of PM₁₀ at or beyond the nearest property boundary. The screening tools were used to develop an ambient impact factor. This ambient impact factor is incorporated into Attachments A-1 and A-2. The ambient air quality analysis was performed assuming the twenty-four (24) hours per day operation of the asphalt heater.

Table 3: Ambient Air Quality Impact Analysis of PM₁₀, 24-Hour Averaging Time

Operation	Ambient Impact Factor (µg/m ³ ton)	Modeled Impact (µg/m ³)	¹ Impact from Small Combustion Sources (µg/m ³)	Background (µg/m ³)	NAAQS (µg/m ³)	Daily Production Limit (tons)
1. Solitary	0.0026	15.40	0.64	² 20.00	150.00	6,000
2. Concurrent, Same Owner	0.0026	**	0.64	² 20.00	150.00	**
3. Concurrent, Separate Owners	0.0026	15.40	0.64	³ 133.32	150.00	6,000
4. Concurrent, Same and Separate Owners	0.0026	**	0.64	⁴ 56.96	150.00	**

Note 1: Impact from Small Combustion Sources (µg/m³) is from the twenty-four (24) hours per day operation of the asphalt heater.

Note 2: Background Level of 20 µg/m³ from haul roads and storage piles.

Note 3: Background Level of 20 µg/m³ from haul roads and storage piles and 113.32 µg/m³ from the operations of other asphalt, concrete, rock-crushing, or rock-screening plants owned by other companies.

Note 4: Background Level of 20 µg/m³ from haul roads and storage piles and 36.96 µg/m³ from the operations of other asphalt, concrete, rock-crushing, or rock-screening plants owned by other companies.

** The operator(s) must balance production among concurrently operating plants such that NAAQS is not exceeded. Ambient Impacts from other plants owned by Hutchens Construction Company can be obtained from the operators of these plants.

The record keeping requirements for each operating scenario are:

- Solitary Operation: The asphalt plant can operate for twenty-four (24) hours without violating NAAQS. No compliance record keeping is necessary.
- Concurrent (Same Owner) Operations: The asphalt plant shall record not only its own daily PM₁₀ ambient impact, but also the PM₁₀ ambient impact of all other plants to ensure the combined impact is below 150 µg/m³. Attachment A-1, or equivalent forms, shall be used for this purpose.
- Concurrent (Same **and** Separate Owners) Operations: The asphalt plant will emit 15.40 µg/m³ of PM₁₀ if operating twenty-four (24) hours per day. 20 µg/m³ is reserved for the use of Best Management Practices. The remaining balance of 133.32 µg/m³ can be used by plants owned by other companies. No record keeping is necessary to show compliance with NAAQS.
- Concurrent (Same **and** Separate Owner) Operations: All plants owned by Hutchens Construction Co. shall limit their combined daily PM₁₀ ambient impact to 93.04 µg/m³. All plants owned by other companies shall be allowed 36.96 µg/m³ of PM₁₀. 20.00 µg/m³ is reserved for the use of Best Management Practices. The asphalt plant shall not only track its own daily PM₁₀ ambient impact but also that of all other plants owned by Hutchens Construction Co. to ensure that the combined daily PM₁₀ ambient impact does not exceed 93.04 µg/m³. Attachment A-2, or equivalent forms, shall be used for this purpose.

APPLICABLE REQUIREMENTS

The owner is subject to compliance with the following applicable requirements. The Missouri Air Conservation Laws and Regulations should be consulted for specific record keeping, monitoring, and reporting requirements.

- *Submission of Emission Data, Emission Fees and Process Information*, 10 CSR 10-6.110
- *Operating Permits*, 10 CSR 10-6.065
- An Operating Permit Amendment is required for this installation within 30 days of equipment startup.
- *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 10-3.090
- *Restriction of Emission of Particulate Matter From Industrial Processes*, 10 CSR 10-6.400
- *Restriction of Emission of Sulfur Compounds*, 10 CSR 10-6.260
- 40 CFR Part 60 Subpart "I", *Standards of Performance for Hot Mix Asphalt Facilities*, of the New Source Performance Standards (NSPS)
- The National Emission Standards for Hazardous Air Pollutants (NESHAPs) and the currently promulgated Maximum Achievable Control Technology (MACT) regulations do not apply to the proposed equipment.

STAFF RECOMMENDATION

On the basis of this review conducted in accordance with Section (5), Missouri State Rule 10 CSR 10-6.060, *Construction Permits Required*, I recommend this permit be granted with special conditions.

Chia-Wei Young
Environmental Engineer

Date

PERMIT DOCUMENTS

The following documents are incorporated by reference into this permit:

- The Application for Authority to Construct form, designating Hutchens Construction Company as the owner and operator of the installation.
- Environmental Protection Agency (EPA) AP-42, *Compilation of Air Pollutant Emission Factors; Volume I, Stationary Point and Area Sources, Fifth Edition*.
- Noyes Data Corp. book, Orlemann, et al. 1983, *Fugitive Dust Control*.
- EPA Factor Information Retrieval (FIRE) Version 6.21.
- Spreadsheet calculations of potential-to-emit and ambient impact.
- Southwest Regional Office Site Survey.

Attachment AA: Best Management Practices (BMPs)- Construction Industry Fugitive Emissions

Construction Industry Sites covered by the Interim Relief Policy shall maintain Best Management Control Practices (BMPs) for fugitive emission areas at their installations when in operation. Options for BMPs are at least one of the following:

For Haul Roads:

1. Pavement of Road Surfaces –
 - A. The operator(s) may pave all or any portion of the haul roads with materials such as asphalt, concrete, and/or other material(s) after receiving approval from the program. The pavement will be applied in accordance with industry standards for such pavement so as to achieve “Control of Fugitive Emissions¹” while the plant is operating.
 - B. Maintenance and/or 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(s) shall periodically water, wash and/or otherwise clean all of the paved portions of the haul road(s) as necessary to achieve control of fugitive emissions from these areas while the plant is operating.

2. Usage of Chemical Dust Suppressants –
 - A. The operator(s) shall apply a chemical dust suppressant (such as magnesium chloride, calcium chloride, lignosulfonates, etc.) to all the unpaved portions of the haul roads. The suppressant will be applied in accordance with the manufacturer’s suggested application rate (if available) and re-applied as necessary to achieve control of fugitive emissions from these areas while the plant is operating.
 - B. The quantities of the chemical dust suppressant shall be applied, re-applied and/or maintained sufficient to achieve control of fugitive emissions from these areas while the plant is operating.
 - C. The operator(s) 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(s) shall keep these records with the plant for not less than five (5) years, and the operator(s) shall make these records available to Department of Natural Resources personnel upon request.

3. Usage of Documented Watering –
 - A. The operator(s) shall control the fugitive emissions from all the unpaved portions of the haul roads at the installation by consistently and correctly using the application of a water spray. Documented watering will be applied in accordance with a recommended application rate of 100 gallons per day per 1,000 square feet of unpaved/untreated surface area of haul roads as necessary to achieve control of fugitive emissions from these areas while the plant is operating. For example, the operator(s) shall calculate the total square feet of unpaved vehicle activity area requiring control on any particular day, divide that product by 1,000, and multiply the quotient by 100 gallons for that day.
 - B. The operator(s) shall maintain a log that documents daily water applications. This log shall include, but is not limited to, date and volumes (e.g., number of tanker applications and/or total gallons used) of water application. The log shall also record rationale for not applying water on day(s) the plant is in operation (e.g., meteorological situations, precipitation events, freezing, etc.)
 - C. Meteorological precipitation of any kind, (e.g. a quarter inch or more rainfall, sleet, snow, and/or freeze thaw conditions) which is sufficient in the amount or condition to achieve control of fugitive emissions from these areas while the plant is operating.
 - D. 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. The operator(s) shall record a brief description of such events in the same log as the documented watering.
 - E. The operator(s) shall record the date and the amount of water applied for each application on the above areas. The operator(s) shall keep these records with the plant for not less than five (5) years, and the operator(s) shall make these records available to Department of Natural Resources personnel upon request.

¹ For purposes of this document, Control of Fugitive Emissions means to control particulate matter that is not collected by a capture system and visible emissions to the extent necessary to prevent violations of the air pollution law or regulation. (Note: control of visible emission is not the only factor to consider in protection of ambient air quality.)

For Vehicle Activity Areas around Open Storage Piles:

1. Pavement of Stockpile Vehicle Activity Surfaces –
 - A. The operator(s) may pave all or any portion of the vehicle activity areas around the storage piles with materials such as asphalt, concrete, and/or other material(s) after receiving approval from the program. The pavement will be applied in accordance with industry standards for such pavement so as to achieve control of fugitive emissions while the plant is operating.
 - B. Maintenance and/or 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(s) shall periodically water, wash and/or otherwise clean all of the paved portions of the vehicle activity areas around the storage piles as necessary to achieve control of fugitive emissions from these areas while the plant is operating.

2. Usage of Chemical Dust Suppressants –
 - A. The operator(s) shall apply a chemical dust suppressant (such as magnesium chloride, calcium chloride, lignosulfonates, etc.) to all the vehicle activity areas around the open storage piles. The suppressant will be applied in accordance with the manufacturer's suggested application rate (if available) and re-applied as necessary to achieve control of fugitive emissions from these areas while the plant is operating.
 - B. The quantities of the chemical dust suppressant shall be applied, re-applied and/or maintained sufficient to achieve control of fugitive emissions from these areas while the plant is operating.
 - C. The operator(s) 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(s) shall keep these records with the plant for not less than five (5) years, and the operator(s) shall make these records available to Department of Natural Resources personnel upon request.

3. Usage of Documented Watering –
 - A. The operator(s) shall control the fugitive emissions from all the vehicle activity areas around the storage piles at the installation by consistently and correctly using the application of a water spray. Documented watering will be applied in accordance with a recommended application rate of 100 gallons per day per 1,000 square feet of unpaved/untreated surface area of vehicle activity areas around the storage piles as necessary to achieve control of fugitive emissions from these areas while the plant is operating. (Refer to example for documented watering of haul roads.)
 - B. The operator(s) shall maintain a log that documents daily water applications. This log shall include, but is not limited to, date and volumes (e.g., number of tanker applications and/or total gallons used) of water application. The log shall also record rationale for not applying water on day(s) the plant is in operations (e.g., meteorological situations, precipitation events, freezing, etc.)
 - C. Meteorological precipitation of any kind, (e.g. a quarter inch or more rainfall, sleet, snow, and/or freeze thaw conditions) which is sufficient in the amount or condition to achieve control of fugitive emissions from these areas while the plant is operating.
 - D. 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. The operator(s) shall record a brief description of such events in the same log as the documented watering.
 - E. The operator(s) shall record the date and the amount of water applied for each application on the above areas. The operator(s) shall keep these records with the plant for not less than five (5) years, and the operator(s) shall make these records available to Department of Natural Resources personnel upon request.

Mr. Phil Hutchens
President
Hutchens Construction Company
1007 Main Street
Cassville, MO 65625

RE: New Source Review Permit - Project Number: 2006-12-022

Dear Mr. Hutchens:

Enclosed with this letter is your New Source Review permit. Please review your permit carefully and note the special conditions, if any, and the requirements in your permit.

Operation in accordance with the conditions and requirements in your permit, the New Source Review application submitted for project 2006-12-022, and your amended operating permit, if required, is necessary for continued compliance. Please review your amended operating permit, as it will contain all applicable requirements for your asphalt plant, including any special conditions from your New Source Review permit.

The section of the permit entitled "Technical Review of Application for Authority to Construct" should not be separated from the main portion of your permit. The entire permit must be retained in your files. 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 have any questions regarding this permit, please do not hesitate to contact Chia-Wei Young at (573) 751-4817, or you may write to the Department of Natural Resources' Air Pollution Control Program, P.O. Box 176, Jefferson City, Missouri 65102. Thank you for your attention to this matter.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Kendall Hale, P.E.
New Source Review Unit Chief

KBH:cwyl

Enclosures

c: Southwest Regional Office
PAMS File: 2006-12-022
Permit Number: