Missouri Department of Natural Resources
Air Pollution Control Program

INTERMEDIATE STATE PERMIT TO OPERATE

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

Intermediate Operating Permit Number: **OP2007-007A**
Expiration Date: February 20, 2012
Installation ID: **187-0001**
Project Number: **2009-06-056**

Installation Name and Address
Lead Belt Materials Co., Inc.
600 Mill Street
Park Hills, MO 63601
St. Francois County

Parent Company's Name and Address
Lead Belt Materials Co., Inc.
PO Box 607
Park Hills, MO 63601

Installation Description:
This installation consists of four plants at one site – two rock crushing plants, referred to as Rock Crushing Plant Number 1 and Rock Crushing Plant Number 2; an asphalt plant; and a pugmill – all of which are owned by the permittee.

SEP - 8 2009
Effective Date

Director or Designee
Department of Natural Resources

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I. Installation Description and Equipment Listing

INSTALLATION DESCRIPTION

This installation consists of four plants at one site – two rock crushing plants, referred to as Rock Crushing Plant Number 1 and Rock Crushing Plant Number 2; an asphalt plant; and a pugmill – all of which are owned by the permittee.

Reported Air Pollutant Emissions, tons per year								
Year	**Particulate Matter ≤ Ten Microns (PM_{10})**	**Sulfur Oxides (SO_x)**	**Nitrogen Oxides (NO_x)**	**Volatile Organic Compounds (VOC)**	**Carbon Monoxide (CO)**	**Hazardous Air Pollutants (HAPs)**	**Particulate Matter ≤ 2.5 Microns ($PM_{2.5}$)**	**Ammonia (NH_3)**
2008	17.79	0.64	10.41	1.84	6.36	0.003	1.56	-
2007	16.50	0.45	7.31	0.79	13.42	-	1.46	-
2006	16.53	0.39	6.55	0.79	17.91	-	0.39	-
2005	14.20	0.39	6.87	0.84	19.89	-	0.40	0.006
2004	15.85	0.41	7.08	0.92	23.58	-	6.12	-

EMISSION UNITS WITH LIMITATIONS

The following list provides a description of the equipment at this installation which emits air pollutants and identified as having unit-specific emission limitations.

Emission Unit #	Description of Emission Unit	
	Drilling	
EU0010	Drilling for Rock Crushing Plant Number 1	EP-1A
EU0020	Drilling for Rock Crushing Plant Number 2	EP-1E
	Rock Crushing Plant Number 1	
EU0030	Bin on Primary CrusherWith Underconveyor	EP-18A
EU0040	Scalping Screen	EP-6A
EU0050	Secondary Crusher	EP-7A
EU0060	Conveyor From Secondary Crusher to Finish Screen	EP-8A
EU0070	Finish Screen	EP-9A
EU0080	Conveyor From Finish Screen to Secondary Crusher	EP-10A
EU0090	Conveyors From Finish Screen to Haul Trucks	EP-19A, EP-14A, EP-15A
EU0100	Grizzly Feeder	EP-3A
EU0110	Primary Crusher	EP-4A
EU0120	Conveyor From Primary Crusher to Scalping Screen	EP-5A
EU0121	Conveyors	EP-11A, EP-12A, EP-23A, EP-25A, EP-26A, EP-27A, EP-28A
EU0122	Conveyors	EP-20A, EP-29A
EU0123	Grizzly Feeder	EP-21A

EU0124	Secondary Impact Crusher	EP-22A
EU0125	Impact Crusher Screen	EP-24A
	Rock Crushing Plant Number 2	
EU0130	Crusher	EP-2E
EU0140	Conveyor From Crusher to Screen	EP-3E
EU0150	Conveyor From Screen to Crusher	EP-4E
EU0160	Screen	EP-5E
EU0170	Conveyors From Screen to Haul Trucks	EP-6E, EP-7E, EP-8E
	Pugmill	
EU0180	Pugmill Cold Bin	EP-1B
	Diesel Engine	
EU0190	Diesel Engine on Rock Crushing Plant Number 2	EP-12E
EU0191	Diesel Engine on Rock Crushing Plant Number 1 Impact Crusher	EP-30A
	Asphalt Plant	
EU0200	Asphalt Plant Cold Bins	EP-1
EU0210	Drum Dryer, 1969	EP-2
EU0220	Elevators, Screens, Bins and Mixer	EP-4
EU0230	Hot Asphalt Silo Loading	EP-7
EU0240	Hot Asphalt Loadout	EP-8
	Stockpiles	
EU0250	Rock Crushing Plant Number 1 Stockpile	EP-13A
EU0260	Rock Crushing Plant Number 2 Stockpile	EP-9E
EU0270	Pugmill Stockpile EP-2B	
	Shorter Unpaved Haul Roads	
EU0280	Asphalt Plant Unpaved Haul Road, 0.2 mile	EP-6
EU0290	Pit to Rock Crushing Plant Number 1 Unpaved Haul Road, 0.1 mile	EP-16A
EU0300	Rock Crushing Plant Number 1 to Stockpile Unpaved Haul Road, 0.1 mile	EP-16A1
EU0310	Pit to Rock Crushing Plant Number 2 Unpaved Haul Road, 0.1 mile	EP-10E
EU0320	Rock Crushing Plant Number 2 to Stockpile Unpaved Haul Road, 0.1 mile	EP-10E1
	Longer Unpaved Haul Roads	
EU0330	Rock Crushing Plant Number 1 Sales Unpaved Haul Road, 0.5 mile	EP-16A2
EU0340	Rock Crushing Plant Number 2 Sales Unpaved Haul Road, 0.2 mile	EP-10E2
	Paved Haul Roads	
EU0350	Asphalt Plant Paved Haul Road, 0.6 mile	EP-6A1
EU0360	Rock Crushing Plant Number 1 Sales Paved Haul Road, 0.5 mile	EP-16A3
EU0370	Rock Crushing Plant Number 2 Sales Paved Haul Road, 0.5 mile	EP-10E3
EU0380	Pugmill Paved Haul Road, 0.3 mile	EP-3B

EMISSION UNITS WITHOUT LIMITATIONS

The following list provides a description of the equipment, which does not have unit specific limitations at the time of permit issuance.

Description of Emission Source	
Unloading rock to Grizzly Feeder at Rock Crushing Plant Number 1	EP-17A
Asphalt heater	EP-3
Storage tank for asphalt, horizontal fixed roof, 25,000-gallon capacity	EP-5
Storage tank for asphalt, horizontal fixed roof, 11,000-gallon capacity	EP-5
Storage tank for asphalt, vertical fixed roof, 11,000-gallon capacity	EP-5
Storage tank for #2 diesel fuel oil, vertical fixed roof, 12,785-gallon capacity	EP-5
Storage tank for #2 diesel fuel oil, horizontal fixed roof, 940-gallon capacity	EP-5
Two storage tanks for #2 diesel fuel oil, horizontal fixed roof, 120-gallon capacity each	EP-5
Storage tank for gasoline, horizontal fixed roof, 1,020-gallon capacity	EP-5G

The installation also has activities not required to be listed, including the following:
1) Plant maintenance and upkeep activities
2) Repair or maintenance shop activities
3) Portable electrical generators
4) Air compressors and pneumatically operated equipment
5) Equipment used for quality control/assurance or inspection purposes

DOCUMENTS INCORPORATED BY REFERENCE

This permit incorporates the following documents by reference:

1. Construction Permit No. 082005-023, Issued August 29, 2005
2. Construction Permit No. 042009-008, Issued April 15, 2009

DEFINITIONS

Definitions of some of the terms and abbreviations used in this permit follow.
APCP: the Air Pollution Control Program of the Division of Environmental Quality of the Missouri Department of Natural Resources
EPA: United States Environmental Protection Agency
NAAQS: National Ambient Air Quality Standard
MHDR: Maximum Hourly Design Rate
MMBtu: Million British thermal units
PM_{10}: particulate matter less than 10 microns in diameter
ppmv: parts per million by volume
Scenario 1: multi-plant operation of any combination of the four plants at this site owned by the permittee – rock crushing plants Number 1 and Number 2, asphalt plant, and pugmill
Scenario 2: multi-plant operation of any combination of the four plants in Scenario 1 *and* one or more additional, co-located plants which may not be owned by the permittee
This site: Installation ID 187-0001
VMT: Vehicular Miles Traveled

II. Plant Wide Emission Limitations

The installation shall comply with each of the following emission limitations. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect on the date of permit issuance.

PERMIT CONDITION PW001
10 CSR 10-6.060 Construction Permits Required
Construction Permit No. 042009-008 Issued April 15, 2009

Emission Limitation:

a) Special Condition 2.A. The permittee shall ensure, while operating at this site, that the ambient impact of PM_{10} at or beyond the nearest property boundary does not exceed 150µg/m^3 in any 24-hour period, in accordance with the Federal NAAQS requirements (40 CFR 50.6).
b) Special Condition 2.B. The total daily ambient impact of PM_{10} at this site shall include the combined impact of the installation and any ambient background concentration from plants or equipment located on the same site as the installation.

Operational Limitation:

a) Special Condition 2.C. This installation is permitted to operate under the following four conditions:
   1) **Solitary Operation:**
      i) Solitary Operation is defined as operation when no other installations are present on the property. During Solitary Operation, the plant must record its daily production to ensure that the National Ambient Air Quality Standard (NAAQS) is not exceeded.
   2) **Concurrent Same-Owner Operation:**
      i) Concurrent Same-Owner Operation is defined as operation when other plants owned by Lead Belt Material Co., Inc. are located on the property. During Concurrent Same-Owner Operation, Lead Belt Material Co., Inc. may balance and record the daily production from all plants such that the NAAQS is not exceeded.
   3) **Concurrent Separate-Owner Operatio**n:
      i) Concurrent Separate-Owner Operation is defined as operation when other plants not owned by the parent company are located on the property. During Concurrent Separate-Owner Operation, the plant must reduce its ambient impact to address the impact for the non-owned plants.
   4) **Concurrent Same-and-Separate-Owner Operation:**
      i) Concurrent Same-and-Separate-Owner Operation is defined as operation when plants owned by Lead Belt Material Co., Inc. and plants not owned by Lead Belt Material Co., Inc. are located on the property. During Concurrent Same-and-Separate-Owner Operation, Lead Belt Material Co., Inc. may balance the daily production from all owned plants with a reduced impact to amount for the impact from the non-owned plant to ensure that the NAAQS is not exceeded.
b) Special Condition 10. The permittee shall only use uncontaminated nonmetallic minerals as the source material.
c) Special Condition 6. The distance to the nearest property boundary must be at least:

Plant Name	Maximum Hourly Design Rate (tons/h)	Minimum Distance (ft)
Rock Crushing Plant #1	350	400
Rock Crushing Plant #2	350	500
Asphalt Plant	170	640
Pugmill	450	500

Monitoring/Recordkeeping:

a) Special Condition 2.D. To demonstrate compliance, the permittee shall maintain a daily record of material processed using Attachments A and B or equivalent forms generated by the permittee.
b) Special Condition 10. The permittee shall keep records indicating the source material used at this site was only nonmetallic minerals.
c) The permittee shall retain all records for a minimum of five (5) years.
d) The permittee shall immediately make all records available for inspection to any Department of Natural Resources personnel upon request.

Reporting:

a) The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any exceedance of the emission limitations of this permit condition or any deviation from the operational limitations of this permit condition.
b) The permittee shall report any deviations from the monitoring/recordkeeping and reporting requirements of this permit condition in the annual monitoring report and compliance certification required by Section V of this permit.

PERMIT CONDITION PW002

10 CSR 10-6.060 Construction Permits Required
Construction Permit No. 042009-008 Issued April 15, 2009

Emission Limitation:

Special Condition 4. The permittee shall emit into the atmosphere less than 100 tons of Carbon Monoxide (CO) from the four plants at this site in any consecutive 12-month period.

Monitoring/Record Keeping:

a) The permittee shall maintain an accurate record of average monthly throughput for emission units:
   1) EU0210 Drum Dryer EP#2
   2) Asphalt Heater EP#3
   3) EU0190 Diesel Engine on Rock Crushing Plant Number 2 Crusher EP#11E
   4) EU0191 Diesel Engine on Rock Crushing Plant Number 2 EP#12E
   5) EU0192 Diesel Engine on Rock Crushing Plant Number 1 Impact Crush EP#30A
b) The monthly emissions of carbon monoxide for each emission unit shall be calculated as demonstrated in Attachment C or an equivalent form generated by the permittee.
c) The permittee shall calculate their annual emission of carbon monoxide by summing the monthly emissions of each emission unit for the last twelve months. The annual emission will be calculated each month using the most recent twelve months worth of monthly emission totals.
d) All records shall be kept for no less than five years and be made available immediately to any Missouri Department of Natural Resources' personnel upon request.

Reporting:

a) If at any time the yearly emission limit of 100 tons should be exceeded or a malfunction occur which could possibly cause exceedance the permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65101, no later than ten (10) days after the exceedance.
b) The permittee shall report any deviations from the monitoring/recordkeeping and reporting requirements of this permit condition in the annual monitoring report and compliance certification required by Section V of this permit.

PERMIT CONDITION PW003

10 CSR 10-6.065(2)(C) and 10 CSR 10-6.065(5)(A) Voluntary Limitation(s)

Emission Limitation:

The permittee shall emit into the atmosphere less than 100 tons of particulate matter of a diameter of less then 10 microns (PM_{10}) from the entire installation (all four plants) at this site in any consecutive 12-month period.

Monitoring/Record Keeping:

a) The permittee shall maintain an accurate record of average monthly throughput for each plant.
b) The monthly emissions of PM_{10} from each plant shall be calculated as demonstrated in Attachment D or an equivalent form generated by the permittee.
c) The permittee shall calculate their annual emission of PM_{10} by summing the monthly emissions of each plant for the last twelve months. The annual emission will be calculated each month using the most recent twelve months worth of monthly emission totals.
d) All records shall be kept for no less than five years and be made available immediately to any Missouri Department of Natural Resources' personnel upon request.

Reporting:

a) If at any time the yearly installation emission limit of 100 tons should be exceeded or a malfunction occur which could possibly cause exceedance the permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65101, no later than ten (10) days after the exceedance.
b) The permittee shall report any deviations from the monitoring/recordkeeping and reporting requirements of this permit condition in the annual monitoring report and compliance certification required by Section V of this permit.

III. Emission Unit Specific Emission Limitations

The installation shall comply with each of the following emission limitations. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect on the date of permit issuance.

EU0010 through EU0090 – Drilling and the Old Part of Rock Crushing Plant Number 1			
Drilling			
Emission Unit	**Description**		**2008 EIQ Reference #**
EU0010	Drilling for Rock Crushing Plant Number 1		EP-1A
EU0020	Drilling for Rock Crushing Plant Number 2		EP-1E
Old Part of Rock Crushing Plant Number 1			
Emission Unit	**Description**	**Manufacturer /Model #**	**2008 EIQ Reference #**
EU0030	Bin on Primary Crusher With Underconveyor	Homemade	EP-18A
EU0040	Scalping Screen	Peerless/3050DR	EP-6A
EU0050	Secondary Crusher	Rexnord	EP-7A
EU0060	Conveyor - Secondary Crusher to Finish Screen	-	EP-8A
EU0070	Finish Screen	Cedarapids	EP-9A
EU0080	Conveyor - Finish Screen to Secondary Crusher	-	EP-10A
EU0090	Conveyors - Finish Screen to Haul Trucks	-	EP-19A, EP-14A, EP-15A

PERMIT CONDITION (EU0010 through EU0090)-001

10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

a) No owner or other person shall cause or permit emissions to be discharged into the atmosphere from any existing source any visible emissions with an opacity greater than 40 percent. Drilling for Rock Crushing Plant Number 1 (EU00l0), Drilling for Rock Crushing Plant Number 2 (EU0020), and the Finish Screen (EU0070) are existing sources.

b) No owner or other person shall cause or permit emissions to be discharged into the atmosphere from any new source any visible emissions with an opacity greater than 20 percent. The Bin on Primary Crusher With Underconveyor (EU0030), Scalping Screen (EU0040), Secondary Crusher (EU0050), Conveyor - Secondary Crusher to Finish Screen (EU0060), Conveyor - Finish Screen to Secondary Crusher (EU0080), and Conveyor - Finish Screen to Haul Trucks (EU0090) are new sources.
c) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60 percent.

Monitoring:

a) The permittee shall conduct opacity readings on these emission units using the procedures contained in U.S. EPA Test Method 22. Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions are observed using these procedures, then no further observations would be required. For emission units with visible emissions perceived or believed to exceed the applicable opacity standard, the source representative would then conduct a Method 9 observation.
b) The following monitoring schedule must be maintained:
    1) Weekly observations shall be conducted for a minimum of eight (8) consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then
    2) Observations must be made once every two weeks for a period of eight (8) weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then
    3) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.
        (A) If the source reverts to daily monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Record Keeping:

a) The permittee shall maintain records, using Attachment G and H or equivalent forms generated by the permit, of all observation results, noting:
    1) Whether any air emissions (except for water vapor) were visible from the emission units,
    2) All emission units from which visible emissions occurred, and
    3) Whether the visible emissions were normal for the process.
b) The permittee shall maintain records of any equipment malfunctions.
c) The permittee shall maintain records of any U.S. EPA Method 9 opacity test performed in accordance with this permit condition.
d) These records shall be made available immediately for inspection to the Department of Natural Resources personnel upon request.
e) All records must be maintained for five (5) years.

Reporting:

The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65101, no later than fifteen (15) days after any exceedance of any of the terms imposed by this regulation, or any malfunction which could possibly cause an exceedance of this regulation.

EU0100 through EU0180 – New Part of Rock Crushing Plant Number 1, Rock Crushing Plant Number 2, and Pugmill			
New Part of Rock Crushing Plant Number 1			
Emission Unit	**Description**	**Manufacturer /Model #**	**2008 EIQ Reference #**
EU0100	Grizzly Feeder	Cedarapids/4220-15	EP-3A
EU0110	Primary Crusher	Cedarapids/3042	EP-4A
EU0120	Conveyor – Primary Crusher to Scalping Screen	Cedarapids	EP-5A
EU0121	Conveyors	-	EP-11A, EP-12A, EP-23A, EP-25A, EP-26A, EP-27A, EP-28A
EU0122	Conveyors	-	EP-20A, EP-29A
EU0123	Grizzly Feeder	-	EP-21A
EU0124	Secondary Impact Crusher	-	EP-22A
EU0125	Impact Crusher Screen	-	EP-24A
Rock Crushing Plant Number 2			
Emission Unit	**Description**	**Manufacturer /Model #**	**2008 EIQ Reference #**
EU0130	Crusher	Eagle /Ultramax 1400-45	EP-2E
EU0140	Conveyor – Crusher to Screen	Superior	EP-3E
EU0150	Conveyor – Screen to Crusher	Eagle	EP-4E
EU0160	Screen	Cedarapids/862038B	EP-5E
EU0170	Conveyors – Screen to Haul Road	Eagle	EP-6E, EP-7E, EP-8E
Pugmill			
Emission Unit	**Description**	**Manufacturer /Model #**	**2008 EIQ Reference #**
EU0180	Pugmill Cold Bin	Peerless/21191	EP-1B

PERMIT CONDITION (EU0100 through EU0180)-001
10 CSR 10-6.070 New Source Performance Regulations and
40 CFR Part 60, Subpart A General Provisions and Subpart OOO Standard for Performance for Nonmetallic Mineral Processing Plants

Emission Limitation:

a) The permittee shall emit less than 0.032 gr/dscm (0.014 gr/dscf) of PM_{10} from any stack (§ 60.672(a)).
b) The permittee shall not cause or permit emissions to be discharged into the atmosphere from any dry control device on an individual storage bin any visible emissions with an opacity greater than 7 percent (§ 60.672(a)).
The permittee shall not cause or permit emissions to be discharged into the atmosphere from any grinding mills, screening operations, bucket elevators, transfer points on belt conveyors, bagging operations, storage bins, enclosed truck or railcar loading stations any visible emissions with an opacity greater than 7 percent (§ 60.672(b)).
c) The permittee shall not cause or permit emissions to be discharged into the atmosphere from any crusher any visible emissions with an opacity greater than 12 percent (§ 60.672(b)).
d) Truck dumping of nonmetallic minerals into any screening operation, feed hopper, or crusher is exempt from the requirements of this section (§ 60.672(d)).
e) § 60.672(d): If any transfer point on a conveyor belt or any other affected facility is enclosed in a building, then each enclosed affected facility must comply with the emission limits in paragraphs § 60.672(a) and § 60.672 (b), or the building enclosing the affected facility or facilities must comply with the following emission limits:
    1) Fugitive emissions from the building openings (except for vents as defined in §60.671) must not exceed 7 percent opacity; and
    2) Vents (as defined in §60.671) in the building must meet the applicable stack emission limits and compliance requirements in Table 2 of this subpart.
f) Any baghouse that controls emissions from only an individual, enclosed storage bin is exempt from the applicable stack PM concentration limit (and associated performance testing) of this subpart but must meet the applicable stack opacity limit and compliance requirements of this subpart. This exemption from the stack PM concentration limit does not apply for multiple storage bins with combined stack emissions (§ 60.672(e)).

Monitoring:

a) § 60.674(a): The owner or operator of any affected facility subject to the provisions of this subpart which uses a wet scrubber to control emissions shall install, calibrate, maintain and operate the following monitoring devices:
    1) A device for the continuous measurement of the pressure loss of the gas stream through the scrubber. The monitoring device must be certified by the manufacturer to be accurate within ±250 pascals ±1 inch water gauge pressure and must be calibrated on an annual basis in accordance with manufacturer's instructions.
    2) A device for the continuous measurement of the scrubbing liquid flow rate to the wet scrubber. The monitoring device must be certified by the manufacturer to be accurate within ±5 percent of design scrubbing liquid flow rate and must be calibrated on an annual basis in accordance with manufacturer's instructions.
b) § 60.674(b):The owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses wet suppression to control emissions

from the affected facility must perform monthly periodic inspections to check that water is flowing to discharge spray nozzles in the wet suppression system. The owner or operator must initiate corrective action within 24 hours and complete corrective action as expediently as practical if the owner or operator finds that water is not flowing properly during an inspection of the water spray nozzles. The owner or operator must record each inspection of the water spray nozzles, including the date of each inspection and any corrective actions taken, in the logbook required under §60.676(b).

1) If an affected facility relies on water carryover from upstream water sprays to control fugitive emissions, then that affected facility is exempt from the 5-year repeat testing requirement of this subpart provided that the affected facility meets the following criteria:
   i) The owner or operator of the affected facility conducts periodic inspections of the upstream water spray(s) that are responsible for controlling fugitive emissions from the affected facility. These inspections are conducted according to monitoring requirement 2 and §60.676(b), and
   ii) The owner or operator of the affected facility designates which upstream water spray(s) will be periodically inspected at the time of the initial performance test required under §60.11 of this part and §60.675 of this subpart.
2) If an affected facility that routinely uses wet suppression water sprays ceases operation of the water sprays or is using a control mechanism to reduce fugitive emissions other than water sprays during the monthly inspection (for example, water from recent rainfall), the logbook entry required under §60.676(b) must specify the control mechanism being used instead of the water sprays.

c) Except as specified in monitoring requirements 4 and 5, the owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses a baghouse to control emissions must conduct quarterly 30-minute visible emissions inspections using EPA Method 22 (40 CFR Part 60, Appendix A–7). The Method 22 (40 CFR Part 60, Appendix A–7) test shall be conducted while the baghouse is operating. The test is successful if no visible emissions are observed. If any visible emissions are observed, the owner or operator of the affected facility must initiate corrective action within 24 hours to return the baghouse to normal operation. The owner or operator must record each Method 22 (40 CFR Part 60, Appendix A–7) test, including the date and any corrective actions taken, in the logbook required under §60.676(b). The owner or operator of the affected facility may establish a different baghouse-specific success level for the visible emissions test (other than no visible emissions) by conducting a PM performance test according to §60.675(b) simultaneously with a Method 22 (40 CFR Part 60, Appendix A–7) to determine what constitutes normal visible emissions from that affected facility's baghouse when it is in compliance with the applicable PM concentration limit of this subpart. The revised visible emissions success level must be incorporated into the permit for the affected facility (§ 60.674(c)).

d) § 60.674(d):As an alternative to the periodic Method 22 (40 CFR Part 60, Appendix A–7) visible emissions inspections specified in monitoring requirement 3, the owner or operator of any affected facility for which construction, modification, or reconstruction commenced on or after April 22, 2008, that uses a baghouse to control emissions may use a bag leak detection system. The owner or operator must install, operate, and maintain the bag leak detection system according to following:
   1) Each bag leak detection system must meet the following specifications and requirements:
      i) The bag leak detection system must be certified by the manufacturer to be capable of detecting PM emissions at concentrations of 1 milligram per dry standard cubic meter (0.00044 grains per actual cubic foot) or less.

ii) The bag leak detection system sensor must provide output of relative PM loadings. The owner or operator shall continuously record the output from the bag leak detection system using electronic or other means (e.g., using a strip chart recorder or a data logger).
iii) The bag leak detection system must be equipped with an alarm system that will sound when the system detects an increase in relative particulate loading over the alarm set point established according to monitoring requirement 4.a.iv., and the alarm must be located such that it can be heard by the appropriate plant personnel.
iv) In the initial adjustment of the bag leak detection system, the owner or operator must establish, at a minimum, the baseline output by adjusting the sensitivity (range) and the averaging period of the device, the alarm set points, and the alarm delay time.
v) Following initial adjustment, the owner or operator shall not adjust the averaging period, alarm set point, or alarm delay time without approval from the Administrator or delegated authority except as provided in monitoring requirement 4.a.vi.
vi) Once per quarter, the owner or operator may adjust the sensitivity of the bag leak detection system to account for seasonal effects, including temperature and humidity, according to the procedures identified in the site-specific monitoring plan required by monitoring requirement 4.b.
vii) The owner or operator must install the bag leak detection sensor downstream of the fabric filter.
viii) Where multiple detectors are required, the system's instrumentation and alarm may be shared among detectors.

2) The owner or operator of the affected facility must develop and submit to the Administrator or delegated authority for approval of a site-specific monitoring plan for each bag leak detection system. The owner or operator must operate and maintain the bag leak detection system according to the site-specific monitoring plan at all times. Each monitoring plan must describe the following items:
i) Installation of the bag leak detection system;
ii) Initial and periodic adjustment of the bag leak detection system, including how the alarm set-point will be established;
iii) Operation of the bag leak detection system, including quality assurance procedures;
iv) How the bag leak detection system will be maintained, including a routine maintenance schedule and spare parts inventory list;
v) How the bag leak detection system output will be recorded and stored; and
vi) Corrective action procedures as specified in monitoring requirement 4.c. In approving the site-specific monitoring plan, the Administrator or delegated authority may allow owners and operators more than 3 hours to alleviate a specific condition that causes an alarm if the owner or operator identifies in the monitoring plan this specific condition as one that could lead to an alarm, adequately explains why it is not feasible to alleviate this condition within 3 hours of the time the alarm occurs, and demonstrates that the requested time will ensure alleviation of this condition as expeditiously as practicable.

3) For each bag leak detection system, the owner or operator must initiate procedures to determine the cause of every alarm within 1 hour of the alarm. Except as provided in monitoring requirement 4.b.vi., the owner or operator must alleviate the cause of the alarm within 3 hours of the alarm by taking whatever corrective action(s) are necessary. Corrective actions may include, but are not limited to the following:
i) Inspecting the fabric filter for air leaks, torn or broken bags or filter media, or any other condition that may cause an increase in PM emissions;

ii) Sealing off defective bags or filter media;
iii) Replacing defective bags or filter media or otherwise repairing the control device;
iv) Sealing off a defective fabric filter compartment;
v) Cleaning the bag leak detection system probe or otherwise repairing the bag leak detection system; or
vi) Shutting down the process producing the PM emissions.

e) As an alternative to the periodic Method 22 (40 CFR Part 60, Appendix A–7) visible emissions inspections specified in monitoring requirement 3, the owner or operator of any affected facility that is subject to the requirements for processed stone handling operations in the Lime Manufacturing NESHAP (40 CFR Part 63, subpart AAAAA) may follow the continuous compliance requirements in row 1 items (i) through (iii) of Table 6 to Subpart AAAAA of 40 CFR Part 63 (§ 60.674(e)).

Test Methods/Procedures:

a) In conducting the performance tests required in §60.8, the owner or operator shall use as reference methods and procedures the test methods in appendices A–1 through A–7 of this part or other methods and procedures as specified in this section, except as provided in §60.8(b). Acceptable alternative methods and procedures are given in test methods/procedures requirement 5. (§ 60.675(a)).

b) § 60.675(b): The owner or operator shall determine compliance with the PM standards in §60.672(a) as follows:
1) Except as specified in test methods/procedures requirement 5.c. and 5.d., Method 5 of Appendix A–3 of this part or Method 17 of Appendix A–6 of this part shall be used to determine the particulate matter concentration. The sample volume shall be at least 1.70 dscm (60 dscf). For Method 5 (40 CFR Part 60, Appendix A–3), if the gas stream being sampled is at ambient temperature, the sampling probe and filter may be operated without heaters. If the gas stream is above ambient temperature, the sampling probe and filter may be operated at a temperature high enough, but no higher than 121 °C (250 °F), to prevent water condensation on the filter.
2) Method 9 of Appendix A–4 of this part and the procedures in §60.11 shall be used to determine opacity.

c) § 60.675(c):
1) In determining compliance with the particulate matter standards in §60.672(b) or §60.672(e)(1), the owner or operator shall use Method 9 of Appendix A–4 of this part and the procedures in §60.11, with the following additions:
i) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet).
ii) The observer shall, when possible, select a position that minimizes interference from other fugitive emission sources (e.g., road dust). The required observer position relative to the sun (Method 9 of Appendix A–4 of this part, Section 2.1) must be followed.
iii) For affected facilities using wet dust suppression for particulate matter control, a visible mist is sometimes generated by the spray. The water mist must not be confused with particulate matter emissions and is not to be considered a visible emission. When a water mist of this nature is present, the observation of emissions is to be made at a point in the plume where the mist is no longer visible.
2) In determining compliance with the opacity of stack emissions from any baghouse that controls emissions only from an individual enclosed storage bin under §60.672(f) of this subpart, using Method 9 (40 CFR Part 60, Appendix A–4), the duration of the Method 9 (40 CFR Part 60, Appendix A–4) observations shall be 1 hour (ten 6-minute averages).

i) The duration of the Method 9 (40 CFR Part 60, Appendix A–4) observations may be reduced to the duration the affected facility operates (but not less than 30 minutes) for baghouses that control storage bins or enclosed truck or railcar loading stations that operate for less than 1 hour at a time.

3) When determining compliance with the fugitive emissions standard for any affected facility described under §60.672(b) or §60.672(e)(1) of this subpart, the duration of the Method 9 (40 CFR Part 60, Appendix A–4) observations must be 30 minutes (five 6-minute averages). Compliance with the applicable fugitive emission limits must be based on the average of the five 6-minute averages.

d) § 60.675(d): Performance tests must be conducted while all affected facilities inside the building are operating. To demonstrate compliance with the fugitive emission limits for buildings specified in §60.672(e)(1), the owner or operator must complete the following testing:

1) If the building encloses any affected facility that commences construction, modification, or reconstruction on or after April 22, 2008, the owner or operator of the affected facility must conduct an initial Method 9 (40 CFR Part 60, Appendix A–4) performance test according to this section and §60.11.

2) If the building encloses only affected facilities that commenced construction, modification, or reconstruction before April 22, 2008, and the owner or operator has previously conducted an initial Method 22 (40 CFR Part 60, Appendix A–7) performance test showing zero visible emissions, then the owner or operator has demonstrated compliance with the opacity limit in §60.672(e)(1). If the owner or operator has not conducted an initial performance test for the building before April 22, 2008, then the owner or operator must conduct an initial Method 9 (40 CFR Part 60, Appendix A–4) performance test according to this section and §60.11 to show compliance with the opacity limit in §60.672(e)(1).

e) § 60.675(e): The owner or operator may use the following as alternatives to the reference methods and procedures specified in this section:

1) For test methods/procedures requirement 3., if emissions from two or more facilities continuously interfere so that the opacity of fugitive emissions from an individual affected facility cannot be read, either of the following procedures may be used:

i) Use for the combined emission stream the highest fugitive opacity standard applicable to any of the individual affected facilities contributing to the emissions stream.

ii) Separate the emissions so that the opacity of emissions from each affected facility can be read.

2) A single visible emission observer may conduct visible emission observations for up to three fugitive, stack, or vent emission points within a 15-second interval if the following conditions are met:

i) No more than three emission points may be read concurrently.

ii) All three emission points must be within a 70 degree viewing sector or angle in front of the observer such that the proper sun position can be maintained for all three points.

iii) If an opacity reading for any one of the three emission points equals or exceeds the applicable standard, then the observer must stop taking readings for the other two points and continue reading just that single point.

3) Method 5I of Appendix A–3 of this part may be used to determine the PM concentration as an alternative to the methods specified in test methods/procedures requirement 2.a. Method 5I (40 CFR Part 60, Appendix A–3) may be useful for affected facilities that operate for less than 1 hour at a time such as (but not limited to) storage bins or enclosed truck or railcar loading stations.

4) In some cases, velocities of exhaust gases from building vents may be too low to measure accurately with the type S pitot tube specified in EPA Method 2 of Appendix A–1 of this part [i.e., velocity head <1.3 mm H2O (0.05 in. H2O)] and referred to in EPA Method 5 of Appendix A–3 of this part. For these conditions, the owner or operator may determine the average gas flow rate produced by the power fans (e.g., from vendor-supplied fan curves) to the building vent. The owner or operator may calculate the average gas velocity at the building vent measurement site using Equation 1 of this section and use this average velocity in determining and maintaining isokinetic sampling rates.

$$v_e = \frac{Q_f}{A_e} \qquad (Eq\ 1)$$

Where:

V_e= average building vent velocity (feet per minute);
Q_f= average fan flow rate (cubic feet per minute); and
A_e= area of building vent and measurement location (square feet).

f) To comply with §60.676(d), the owner or operator shall record the measurements as required in §60.676(c) using the monitoring devices in §60.674 (a)(1) and (2) during each particulate matter run and shall determine the averages (§ 60.675(f)).

g) For performance tests involving only Method 9 (40 CFR Part 60 Appendix A–4) testing, the owner or operator may reduce the 30-day advance notification of performance test in §60.7(a)(6) and 60.8(d) to a 7-day advance notification (§ 60.675(g)).

h) If the initial performance test date for an affected facility falls during a seasonal shut down (as defined in §60.671 of this subpart) of the affected facility, then with approval from the permitting authority, the owner or operator may postpone the initial performance test until no later than 60 calendar days after resuming operation of the affected facility (§ 60.675(i)).

Reporting/Recordkeeping:

a) § 60.676(a): Each owner or operator seeking to comply with §60.670(d) shall submit to the Administrator the following information about the existing facility being replaced and the replacement piece of equipment.
   1) For a crusher, grinding mill, bucket elevator, bagging operation, or enclosed truck or railcar loading station:
      i) The rated capacity in megagrams or tons per hour of the existing facility being replaced and
      ii) The rated capacity in tons per hour of the replacement equipment.
   2) For a screening operation:
      i) The total surface area of the top screen of the existing screening operation being replaced and
      ii) The total surface area of the top screen of the replacement screening operation.
   3) For a conveyor belt:
      i) The width of the existing belt being replaced and
      ii) The width of the replacement conveyor belt.
   4) For a storage bin:
      i) The rated capacity in megagrams or tons of the existing storage bin being replaced and
      ii) The rated capacity in megagrams or tons of replacement storage bins.

b) § 60.676(b):
   1) Owners or operators of affected facilities (as defined in §60.670 and §60.671) for which construction, modification, or reconstruction commenced on or after April 22, 2008, must record each periodic inspection required under §60.674(b) or (c), including dates and any corrective actions taken, in a logbook such as Attachment F or an equivalent form generated by the permittee. The owner or operator must keep the logbook onsite and make hard or electronic copies (whichever is requested) of the logbook available to the Administrator upon request.
   2) For each bag leak detection system installed and operated according to §60.674(d), the owner or operator must keep the following records:
      i) Records of the bag leak detection system output;
      ii) Records of bag leak detection system adjustments, including the date and time of the adjustment, the initial bag leak detection system settings, and the final bag leak detection system settings; and
      iii) The date and time of all bag leak detection system alarms, the time that procedures to determine the cause of the alarm were initiated, the cause of the alarm, an explanation of the actions taken, the date and time the cause of the alarm was alleviated, and whether the cause of the alarm was alleviated within 3 hours of the alarm.
   3) The owner or operator of each affected facility demonstrating compliance according to §60.674(e) by following the requirements for processed stone handling operations in the Lime Manufacturing NESHAP (40 CFR Part 63, subpart AAAAA) must maintain records of visible emissions observations required by §63.7132(a)(3) and (b) of 40 CFR Part 63, subpart AAAAA.

c) During the initial performance test of a wet scrubber, and daily thereafter, the owner or operator shall record the measurements of both the change in pressure of the gas stream across the scrubber and the scrubbing liquid flow rate (§ 60.676(c)).

d) After the initial performance test of a wet scrubber, the owner or operator shall submit semiannual reports to the Administrator of occurrences when the measurements of the scrubber pressure loss and liquid flow rate decrease by more than 30 percent from the average determined during the most recent performance test (§ 60.676(d)).

e) The reports required under reporting/recordkeeping requirement 4. shall be postmarked within 30 days following end of the second and fourth calendar quarters (§ 60.676(e)).

f) The owner or operator of any affected facility shall submit written reports of the results of all performance tests conducted to demonstrate compliance with the standards set forth in §60.672 of this subpart, including reports of opacity observations made using Method 9 (40 CFR Part 60, Appendix A–4) to demonstrate compliance with §60.672(b), (e) and (f). Attachment G or an equivalent form generated by the permittee can be used to record the Method 9 observations(§ 60.676(f)).

g) The owner or operator of any wet material processing operation that processes saturated and subsequently processes unsaturated materials, shall submit a report of this change within 30 days following such change. At the time of such change, this screening operation, bucket elevator, or belt conveyor becomes subject to the applicable opacity limit in §60.672(b) and the emission test requirements of §60.11 (§ 60.676(g)).

h) The subpart A requirement under §60.7(a)(1) for notification of the date construction or reconstruction commenced is waived for affected facilities under this subpart (§ 60.676(h)).

i) § 60.676(i): A notification of the actual date of initial startup of each affected facility shall be submitted to the Administrator.

1) For a combination of affected facilities in a production line that begin actual initial startup on the same day, a single notification of startup may be submitted by the owner or operator to the Administrator. The notification shall be postmarked within 15 days after such date and shall include a description of each affected facility, equipment manufacturer, and serial number of the equipment, if available.
2) For portable aggregate processing plants, the notification of the actual date of initial startup shall include both the home office and the current address or location of the portable plant.

j) The requirements of this section remain in force until and unless the Agency, in delegating enforcement authority to a State under section 111(c) of the Act, approves reporting requirements or an alternative means of compliance surveillance adopted by such States. In that event, affected facilities within the State will be relieved of the obligation to comply with the reporting requirements of this section, provided that they comply with requirements established by the State (§ 60.676(j)).
k) Notifications and reports required under this subpart and under subpart A of this part to demonstrate compliance with this subpart need only to be sent to the EPA Region or the State which has been delegated authority according to §60.4(b) (§ 60.676(k)).
l) All records shall be kept for no less than five years and be made available immediately to any Missouri Department of Natural Resources' personnel upon request.
m) If at any time the emission limitations of this subpart should be exceeded or a malfunction occur which could possibly cause exceedance, the permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65101, no later than ten (10) days after the exceedance.
n) The permittee shall report any deviations from the monitoring/recordkeeping and reporting requirements of this permit condition in the annual monitoring report and compliance certification required by Section V of this permit.

EU0190 and EU0191 – Diesel Engines			
Emission Unit	**Description**	**Manufacturer /Model #**	**2008 EIQ Reference #**
EU0190	Diesel Engine on Rock Crushing Plant Number 2	Cummins/QSK19-P	EP-12E
EU0191	Diesel Engine on Rock Crushing Plant Number 1	-	EP-30A

PERMIT CONDITION (EU0190 and EU0191)-001

10 CSR 10-6.260 Restriction of Emission of Sulfur Compounds

Emission Limitations:

a) Emissions from any new source operation shall not contain more than five hundred parts per million by volume (500 ppmv) of sulfur dioxide.
b) Stack gasses shall not contain more than thirty-five milligrams (35 mg) per cubic meter of sulfuric acid or sulfur trioxide or any combination of those gases averaged on any consecutive three hour time period.
c) No person shall cause or permit the emission of sulfur compounds from any source which causes or contributes to concentrations exceeding those specified in 10 CSR 10-6.01 0 Ambient Air Quality Standards.

Pollutant	Concentration by Volume	Remarks
Sulfur Dioxide (SO_2)	0.03 parts per million (ppm) (80 micrograms per cubic meter (µg/m3)	annual arithmetic mean
	0.14 ppm (365 µg/m3)	24-hour average not to be exceeded more than once per year
	0.5 ppm (1300 µg/m3)	3-hour average not to be exceeded more than once per year
Hydrogen Sulfide (H_2S)	0.05 ppm (70 µg/m3)	0.5-hour average not to be exceeded more than twice per year
	0.03 ppm (42 µg/m3)	0.5-hour average not to be exceeded more than twice in 5 consecutive days
Sulfuric Acid (H_2SO_4)	10 µg/m3	24-hour average not to be exceeded more than once in 90 consecutive days
	30 µg/m3	1-hour average not to be exceeded more than once in 2 consecutive days

Operational Limitation:

This emission unit shall be limited to burning pipeline grade natural gas, fuel oil with a sulfur content of 0.5 percent by weight or less, or any combination of these two fuels.

Monitoring/Recordkeeping:

a) The permittee shall maintain an accurate record of the sulfur content of fuel used in this emission unit. Fuel purchase receipts, analyzed samples or certifications that verify the fuel type and sulfur content will be acceptable.
b) All records shall be maintained for five years. They shall be kept onsite for at least two years. They may be kept in either hard-copy form or on computer media.
c) These records shall be made available immediately for inspection to the Department of Natural Resources' personnel upon their verbal request and presentation of identification.

Reporting:

a) The permittee 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 determining that the installation failed to meet the operational limitations in this permit condition.
b) The permittee shall report any deviations from the monitoring, recordkeeping and reporting requirements of this permit condition in the annual monitoring report and compliance certification required by Section V of this permit.

PERMIT CONDITION (EU0190 and EU0191)-002

10 CSR 10-6.060 Construction Permits Required
Construction Permit No. 042009-008, Issued April 15, 2009

Emission Limitations:

Special Condition 3. The operator(s) shall ensure that the permittee's two diesel engines on rock crushing plants #1 and #2 emit less than 40.0 tons of nitrous oxides (NO_x) into the atmosphere in any 12 month period from:

- EU0190 Diesel Engine on Rock Crushing Plant Number 2 EP-12E
- EU0191 Diesel Engine on Rock Crushing Plant Number 1 Impact Crusher EP-30A

Monitoring/Record Keeping:

a) The permittee shall maintain an accurate record of average monthly throughput for each engine.
b) The monthly emissions of NO_x from each engine shall be calculated as demonstrated in Attachment I or an equivalent form generated by the permittee.
c) The permittee shall calculate their annual emission of NO_x by summing the monthly emissions of each engine for the last twelve months. The annual emission will be calculated each month using the most recent twelve months worth of monthly emission totals.
d) All records shall be kept for no less than five years and be made available immediately to any Missouri Department of Natural Resources' personnel upon request.

Reporting:

a) If at any time the yearly NO_x emission limit of 40 tons should be exceeded or a malfunction occur which could possibly cause exceedance the permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65101, no later than ten (10) days after the exceedance.
b) The permittee shall report any deviations from the monitoring/recordkeeping and reporting requirements of this permit condition in the annual monitoring report and compliance certification required by Section V of this permit.

EU0200 through EU0240 – Asphalt Plant			
Emission Unit	**Description**	**Manufacturer /Model #**	**2008 EIQ Reference #**
EU0200	Asphalt Plant Cold Bins	Homemade	EP-1
EU0210	Drum Dryer	Cedarapids/7224B	EP-2
EU0220	Elevators, Screens, Bins, and Mixer	Cedarapids/H340	EP-4
EU0230	Hot Asphalt Silo Loading	Cedarapids/H340	EP-7
EU0240	Hot Asphalt Loadout	Cedarapids/H340	EP-8

PERMIT CONDITION (EU0220 through EU0240)-001

10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

a) No owner or other person shall cause or permit emissions to be discharged into the atmosphere from any existing source any visible emissions with an opacity greater than 40 percent. The Drum Dryer (EU0210); Elevators, Screens, Bins, and Mixer (EU0220); Hot Asphalt Silo Loading (EU0230); and Hot Asphalt Loadout (EU0240) are existing sources for the purpose of this regulation.
b) No owner or other person shall cause or permit emissions to be discharged into the atmosphere from any new source any visible emissions with an opacity greater than 20 percent. The Asphalt Plant Cold Bins (EU0200) is a new source for the purposes of this regulation.
c) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60 percent.

Monitoring:

a) The permittee shall conduct opacity readings on these emission units using the procedures contained in U.S. EPA Test Method 22. Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions are observed using these procedures, then no further observations would be required. For emission units with visible emissions perceived or believed to exceed the applicable opacity standard, the source representative would then conduct a Method 9 observation.
b) The following monitoring schedule must be maintained:
    1) Weekly observations shall be conducted for a minimum of eight (8) consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then
    2) Observations must be made once every two weeks for a period of eight (8) weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then
    3) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.
c) If the source reverts to daily monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Record Keeping:

a) The permittee shall maintain records, using Attachment G and H or equivalent forms generated by the permit, of all observation results, noting:
    1) Whether any air emissions (except for water vapor) were visible from the emission units,
    2) All emission units from which visible emissions occurred, and
    3) Whether the visible emissions were normal for the process.
b) The permittee shall maintain records of any equipment malfunctions.
c) The permittee shall maintain records of any U.S. EPA Method 9 opacity test performed in accordance with this permit condition.
d) These records shall be made available immediately for inspection to the Department of Natural Resources personnel upon request.
e) All records must be maintained for five (5) years.

Reporting:
The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65101, no later than fifteen (15) days after any exceedance of any of the terms imposed by this regulation, or any malfunction which could possibly cause an exceedance of this regulation.

PERMIT CONDITION (EU0210 and EU0220)-002

10 CSR 10-6.060 Construction Permits Required
Construction Permit No. 082005-023, Issued August 29, 2005

Operational Limitations:
a) The permittee shall control particulate matter emissions from the Drum Dryer (EU0210) and the hot Elevators (EU0220) with a cyclone and wet scrubber.
b) The cyclone and wet scrubber shall be operated and maintained in accordance with the manufacturers' specifications. The wet scrubber shall be maintained at its calculated efficiency of 98 percent.
c) The cyclone and wet scrubber shall be in use at all times that the asphalt plant is producing asphalt concrete

Monitoring:
a) The wet scrubber shall have affixed to it a plate inscribed with the manufacturer's design flow rate to the scrubber.
b) The wet scrubber shall be fitted with a device which will provide an easily read indication of the flow rate to the scrubber. This device shall be located near the plate required in monitoring requirement 1. above, and shall read in the same units.

Recordkeeping:
a) The permittee shall maintain records of all inspections and maintenance on the cyclone and wet scrubber.
b) Attachment F contains a log including these recordkeeping requirements. This log, or an equivalent form created by the permittee, must be used to certify compliance with this requirement.
c) All records shall be maintained for five (5) years. They shall be kept onsite for at least two (2) years. They may be kept in either hard-copy form or on computer media.
d) These records shall be made available immediately for inspection to the Department of Natural Resources' personnel upon their verbal request and presentation of identification.

Reporting:
The permittee shall report any deviations from the monitoring and recordkeeping requirements of this permit condition in the annual monitoring report and compliance certification required by Section V of this permit.

PERMIT CONDITION (EU0210 through EU0220)-003

10 CSR 10-6.400 Restriction of Emission of Particulate Matter From Industrial Processes

Emission Limitation:

a) Particulate matter shall not be emitted from EU0210 and EU0220 in excess of 23.8 lb/h .
b) This emission rate was calculated using the following equation:
For process weight rates of 60,000 lb/h or more:
$E = 55.0(P)^{0.11} - 40$
Where:

E = rate of emission in lb/h
P = process weight rate in ton/h
c) The concentration of particulate matter in the exhaust gases shall not exceed 0.30 grain per standard cubic feet of exhaust gases.

Monitoring/Recordkeeping/Reporting:

The permittee is assumed always to be in compliance with this regulation. Calculations demonstrating compliance are in Attachment E. The permittee shall keep this attachment with this permit. No monitoring, additional recordkeeping or reporting is required for this permit condition.

EU0250 through EU0270 – Stockpiles		
Emission Unit	**Description**	**2008 EIQ Reference #**
EU0250	Rock Crushing Plant Number 1 Stockpile	EP-13A
EU0260	Rock Crushing Plant Number 2 Stockpile	EP-9E
EU0270	Pugmill Stockpile	EP-2B

PERMIT CONDITION (EU0250 through EU0270)-001

10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

a) No owner or other person shall cause or permit emissions to be discharged into the atmosphere from any existing source any visible emissions with an opacity greater than 40 percent.
b) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60 percent.

Monitoring:

a) The permittee shall conduct opacity readings on these emission units using the procedures contained in U.S. EPA Test Method 22. Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions are observed using these procedures, then no further observations would be required. For emission units with visible emissions perceived or believed to exceed the applicable opacity standard, the source representative would then conduct a Method 9 observation.
b) The following monitoring schedule must be maintained:
1) Weekly observations shall be conducted for a minimum of eight (8) consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then

2) Observations must be made once every two weeks for a period of eight (8) weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then
3) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.

c) If the source reverts to daily monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Record Keeping:

a) The permittee shall maintain records, using Attachment G and H or equivalent forms generated by the permit, of all observation results, noting:
   1) Whether any air emissions (except for water vapor) were visible from the emission units,
   2) All emission units from which visible emissions occurred, and
   3) Whether the visible emissions were normal for the process.
b) The permittee shall maintain records of any equipment malfunctions.
c) The permittee shall maintain records of any U.S. EPA Method 9 opacity test performed in accordance with this permit condition.
d) These records shall be made available immediately for inspection to the Department of Natural Resources personnel upon request.
e) All records must be maintained for five (5) years.

Reporting:

The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65101, no later than fifteen (15) days after any exceedance of any of the terms imposed by this regulation, or any malfunction which could possibly cause an exceedance of this regulation.

PERMIT CONDITION (EU0250 through EU0270)-002

10 CSR 10-6.060 Construction Permits Required
Construction Permit No. 082005-023, Issued August 29, 2005

Moisture Content Testing of Stockpiles Requirement:

Special Condition 8. Particulate emissions will be controlled by the moisture content of the stockpiled rock, which has been tested at greater than or equal to 2.0 percent by weight. The permittee shall conduct periodic moisture content tests to demonstrate continued compliance with the above moisture content of the stockpiled rock.

Monitoring:

a) The permittee shall conduct moisture content tests in accordance with the test methods and procedures prescribed in the American Society for Testing Materials (ASTM), Designation D-2216 *Standard Test Methods for Laboratory Determination of Water (Moisture) Content of Soil or Rock*, ASTM C-566, *Standard Test Method for Total Moisture Content of Aggregate by Drying*; or other moisture content testing method(s) approved by the Director.
b) This testing shall be done at least once per year on each stockpile existing during that year.
c) Rock samples shall be obtained from the stockpiles.
d) If any test indicates that the moisture content of the stockpiled rock is less than 2.0 percent by weight, a second test must be done within 30 days. If this second test also indicates that the moisture

content of the stockpiled rock is less than 2.0 percent by weight, then the permittee will immediately submit a request to amend this permit to account for the revised information.

Recordkeeping:

a) The permittee shall maintain records of all test results, including the following data:
   1) Wet weight, dry weight, drying time, and moisture content of each rock sample;
   2) Test date; and
   3) Name and title of the individual performing the moisture content analysis.
b) All records shall be maintained for five (5) years. They shall be kept onsite for at least two (2) years. They may be kept in either hard-copy form or on computer media.
c) These records shall be made available immediately for inspection to the Department of Natural Resources' personnel upon their verbal request and presentation of identification.

Reporting:

a) The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65 102, no later than ten (10) days after obtaining a second set of test results indicating a moisture content less than 2.0 percent in any stockpiled rock.
b) The permittee shall include copies of all test results for the year with this site's annual Emission Inventory Questionnaire.
c) Reports of any deviations from monitoring, recordkeeping and reporting requirements of this permit condition shall be submitted annually, in the annual monitoring report and compliance certification, as required by Section V of this permit.

PERMIT CONDITION (EU0250 through EU0270)-003

10 CSR 10-6.060 Construction Permits Required
Construction Permit No. 042009-008, Issued April 15, 2009

Best Management Practices:

a) Special Condition 1. The permittee shall control fugitive emissions from all of the haul roads and for vehicle activity areas around open stockpiles at this site by performing *Best Management Practices*. Options for Best Management Control Practices are at least one of the following:
b) Pavement of Stockpile Vehicle Activity Surfaces –
   1) 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.
   2) 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.
   3) 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.
c) Usage of Chemical Dust Suppressants –
   1) 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.

2) 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.
3) 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.

d) Usage of Documented Watering –
1) 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.)
2) 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.)
3) 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.
4) 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.
5) 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.

EU0280 through EU0380 – Haul Roads		
Shorter Unpaved Haul Roads		
Emission Unit	**Description**	**2008 EIQ Reference #**
EU0280	Asphalt Plant Unpaved Haul Road	EP-6
EU0290	Pit to Rock Crushing Plant Number 1 Unpaved Haul Road	EP-16A
EU0300	Rock Crushing Plant Number 1 to Stockpile Unpaved Haul Road	EP-16A1
EU0310	Pit to Rock Crushing Plant Number 2 Unpaved Haul Road	EP-10E
EU0320	Rock Crushing Plant Number 2 to Stockpile Unpaved Haul Road	EP-10E1
Longer Unpaved Haul Roads		
Emission Unit	**Description**	**2008 EIQ Reference #**
EU0330	Rock Crushing Plant Number 1 Sales Unpaved Haul Road	EP-16A2
EU0340	Rock Crushing Plant Number 2 Sales Unpaved Haul Road	EP-10E2
Paved Haul Roads		
Emission Unit	**Description**	**2008 EIQ Reference #**
EU0350	Asphalt Plant Paved Haul Road	EP-6A1
EU0360	Rock Crushing Plant Number 1 Sales Paved Haul Road	EP-16A3
EU0370	Rock Crushing Plant Number 1 Sales Paved Haul Road	EP-10E3
EU0380	Pugmill Paved Haul Road	EP-3B

PERMIT CONDITION (EU0280 through EU0380)-001

10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

a) No owner or other person shall cause or permit emissions to be discharged into the atmosphere from any existing source any visible emissions with an opacity greater than 40 percent.
b) Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60 percent.

Monitoring:

a) The permittee shall conduct opacity readings on these emission units using the procedures contained in U.S. EPA Test Method 22. Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions are observed using these procedures, then no further observations would be required. For emission units with visible emissions perceived or believed to exceed the applicable opacity standard, the source representative would then conduct a Method 9 observation.
b) The following monitoring schedule must be maintained:
    1) Weekly observations shall be conducted for a minimum of eight (8) consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then
    2) Observations must be made once every two weeks for a period of eight (8) weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then

3) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.

c) If the source reverts to daily monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Record Keeping:

a) The permittee shall maintain records, using Attachment G and H or equivalent forms generated by the permit, of all observation results, noting:
   1) Whether any air emissions (except for water vapor) were visible from the emission units,
   2) All emission units from which visible emissions occurred, and
   3) Whether the visible emissions were normal for the process.

b) The permittee shall maintain records of any equipment malfunctions.

c) The permittee shall maintain records of any USEPA Method 9 opacity test performed in accordance with this permit condition.

d) These records shall be made available immediately for inspection to the Department of Natural Resources personnel upon request.

e) All records must be maintained for five (5) years.

Reporting:

The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65101, no later than fifteen (15) days after any exceedance of any of the terms imposed by this regulation, or any malfunction which could possibly cause an exceedance of this regulation.

PERMIT CONDITION (EU0280 through EU0380)-002

10 CSR 10-6.060 Construction Permits Required
Construction Permit No. 042009-008, Issued April 15, 2009

Best Management Practices:

a) Special Condition 1. The permittee shall control fugitive emissions from all of the haul roads and stockpiles at this site by performing *Best Management Practices*. Options for Best Management Control Practices are at least one of the following:

b) Pavement of Road Surfaces –
   1) 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.
   2) 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.
   3) 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.

c) Usage of Chemical Dust Suppressants –

1) 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.
2) 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.
3) 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.

d) Usage of Documented Watering –
1) 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.
2) 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.)
3) 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.
4) 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.
5) 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.

III. Core Permit Requirements

The installation shall comply with each of the following requirements. Consult the appropriate sections in the Code of Federal Regulations (CFR), Code of State Regulations (CSR), and local ordinances for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect on the date of permit issuance.

10 CSR 10-6.050 Start-up, Shutdown and Malfunction Conditions

1. In the event of a malfunction, which results in excess emissions that exceed one hour, the permittee shall submit to the Director within two business days, in writing, the following information:
   a. Name and location of installation;
   b. Name and telephone number of person responsible for the installation;
   c. Name of the person who first discovered the malfunction and precise time and date that the malfunction was discovered.
   d. Identity of the equipment causing the excess emissions;
   e. Time and duration of the period of excess emissions;
   f. Cause of the excess emissions;
   g. Air pollutants involved;
   h. Best estimate of the magnitude of the excess emissions expressed in the units of the applicable requirement and the operating data and calculations used in estimating the magnitude;
   i. Measures taken to mitigate the extent and duration of the excess emissions; and
   j. Measures taken to remedy the situation that caused the excess emissions and the measures taken or planned to prevent the recurrence of these situations.
2. The permittee shall submit the paragraph 1 information list to the Director in writing at least ten days prior to any maintenance, start-up or shutdown, which is expected to cause an excessive release of emissions that exceed one hour. If notice of the event cannot be given ten days prior to the planned occurrence, it shall be given as soon as practicable prior to the release. If an unplanned excess release of emissions exceeding one hour occurs during maintenance, start-up or shutdown, the Director shall be notified verbally as soon as practical during normal working hours and no later than the close of business of the following working day. A written notice shall follow within ten working days.
3. Upon receipt of a notice of excess emissions issued by an agency holding a certificate of authority under section 643.140, RSMo, the permittee may provide information showing that the excess emissions were the consequence of a malfunction, start-up or shutdown. The information, at a minimum, should be the paragraph 1 list and shall be submitted not later than 15 days after receipt of the notice of excess emissions. Based upon information submitted by the permittee or any other pertinent information available, the Director or the commission shall make a determination whether the excess emissions constitute a malfunction, start-up or shutdown and whether the nature, extent and duration of the excess emissions warrant enforcement action under section 643.080 or 643.151, RSMo.
4. Nothing in this rule shall be construed to limit the authority of the Director or commission to take appropriate action, under sections 643.080, 643.090 and 643.151, RSMo to enforce the provisions of the Air Conservation Law and the corresponding rule.
5. Compliance with this rule does not automatically absolve the permittee of liability for the excess emissions reported.

10 CSR 10-6.060 Construction Permits Required

The permittee shall not commence construction, modification, or major modification of any installation subject to this rule, begin operation after that construction, modification, or major modification, or begin operation of any installation which has been shut down longer than five years without first obtaining a permit from the permitting authority.

10 CSR 10-6.065 Operating Permits

The permittee shall file a complete application for renewal of this operating permit at least six months before the date of permit expiration. In no event shall this time be greater than eighteen months. [10 CSR 10-6.065(5)(B)1.A(III)] The permittee shall retain the most current operating permit issued to this installation on-site. [10 CSR 10-6.065, §(5)(C)(1) and §(6)(C)1.C(II)] The permittee shall immediately make such permit available to any Missouri Department of Natural Resources personnel upon request. [10 CSR 10-6.065, §(5)(C)(1) and §(6)(C)3.B]

10 CSR 10-6.110 Submission of Emission Data, Emission Fees and Process Information

1. The permittee shall complete and submit an Emission Inventory Questionnaire (EIQ) in accordance with the requirements outlined in this rule.
2. The permittee shall pay an annual emission fee per ton of regulated air pollutant emitted according to the schedule in the rule. This fee is an emission fee assessed under authority of RSMo. 643.079.
3. The fees shall be payable to the Department of Natural Resources and shall be accompanied by the Emissions Inventory Questionnaire (EIQ) form or equivalent approved by the Director.

10 CSR 10-6.130 Controlling Emissions During Episodes of High Air Pollution Potential

This rule specifies the conditions that establish an air pollution alert (yellow/orange/red/purple), or emergency (maroon) and the associated procedures and emission reduction objectives for dealing with each. The permittee shall submit an appropriate emergency plan if required by the Director.

10 CSR 10-6.150 Circumvention

The permittee shall not cause or permit the installation or use of any device or any other means which, without resulting in reduction in the total amount of air contaminant emitted, conceals or dilutes an emission or air contaminant which violates a rule of the Missouri Air Conservation Commission.

10 CSR 10-6.170 Restriction of Particulate Matter to the Ambient Air Beyond the Premises of Origin

1. The permittee shall not cause or allow to occur any handling, transporting or storing of any material; construction, repair, cleaning or demolition of a building or its appurtenances; construction or use of a road, driveway or open area; or operation of a commercial or industrial installation without applying reasonable measures as may be required to prevent, or in a manner which allows or may allow, fugitive particulate matter emissions to go beyond the premises of origin in quantities that the particulate matter may be found on surfaces beyond the property line of origin. The nature or origin of the particulate matter shall be determined to a reasonable degree of certainty by a technique proven to be accurate and approved by the Director.
2. The permittee shall not cause nor allow to occur any fugitive particulate matter emissions to remain visible in the ambient air beyond the property line of origin.
3. Should it be determined that noncompliance has occurred, the Director may require reasonable control measures as may be necessary. These measures may include, but are not limited to, the following:

a. Revision of procedures involving construction, repair, cleaning and demolition of buildings and their appurtenances that produce particulate matter emissions;
b. Paving or frequent cleaning of roads, driveways and parking lots;
c. Application of dust-free surfaces;
d. Application of water; and
e. Planting and maintenance of vegetative ground cover.

10 CSR 10-6.180 Measurement of Emissions of Air Contaminants

1. The Director may require any person responsible for the source of emission of air contaminants to make or have made tests to determine the quantity or nature, or both, of emission of air contaminants from the source. The Director may specify testing methods to be used in accordance with good professional practice. The Director may observe the testing. All tests shall be performed by qualified personnel.
2. The Director may conduct tests of emissions of air contaminants from any source. Upon request of the Director, the person responsible for the source to be tested shall provide necessary ports in stacks or ducts and other safe and proper sampling and testing facilities, exclusive of instruments and sensing devices as may be necessary for proper determination of the emission of air contaminants.
3. The Director shall be given a copy of the test results in writing and signed by the person responsible for the tests.

10 CSR 10-6.045 Open Burning Requirements

1. General Provisions. The open burning of tires, petroleum-based products, asbestos containing materials, and trade waste is prohibited, except as allowed below. Nothing in this rule may be construed as to allow open burning which causes or constitutes a public health hazard, nuisance, a hazard to vehicular or air traffic, nor which violates any other rule or statute.
2. Refer to the regulation for a complete list of allowances. The following is a listing of exceptions to the allowances:
   a. Burning of household or domestic refuse. Burning of household or domestic refuse is limited to open burning on a residential premises having not more than four dwelling units, provided that the refuse originates on the same premises, with the following exceptions:
      i. Kansas City metropolitan area. The open burning of household refuse must take place in an area zoned for agricultural purposes and outside that portion of the metropolitan area surrounded by the corporate limits of Kansas City and every contiguous municipality;
      ii. Springfield-Greene County area. The open burning of household refuse must take place outside the corporate limits of Springfield and only within areas zoned A-1, Agricultural District;
      iii. St. Joseph area. The open burning of household refuse must take place within an area zoned for agricultural purposes and outside that portion of the metropolitan area surrounded by the corporate limits of St. Joseph; and
      iv. St. Louis metropolitan area. The open burning of household refuse is prohibited;
   b. Yard waste, with the following exceptions:
      i. Kansas City metropolitan area. The open burning of trees, tree leaves, brush or any other type of vegetation shall require an open burning permit;
      ii. Springfield-Greene County area. The City of Springfield requires an open burning permit for the open burning of trees, brush or any other type of vegetation. The City of Springfield prohibits the open burning of tree leaves;

iii. St. Joseph area. Within the corporate limits of St. Joseph, the open burning of trees, tree leaves, brush or any other type of vegetation grown on a residential property is allowed during the following calendar periods and time-of-day restrictions:
   a. A three (3)-week period within the period commencing the first day of March through April 30 and continuing for twenty-one (21) consecutive calendar days;
   b. A three (3)-week period within the period commencing the first day of October through November 30 and continuing for twenty-one (21) consecutive calendar days;
   c. The burning shall take place only between the daytime hours of 10:00 a.m. and 3:30 p.m.; and
   d. In each instance, the twenty-one (21)-day burning period shall be determined by the Director of Public Health and Welfare of the City of St. Joseph for the region in which the City of St. Joseph is located provided, however, the burning period first shall receive the approval of the Department Director; and

iv. St. Louis metropolitan area. The open burning of trees, tree leaves, brush or any other type of vegetation is limited to the period beginning September 16 and ending April 14 of each calendar year and limited to a total base area not to exceed sixteen (16) square feet. Any open burning shall be conducted only between the hours of 10:00 a.m. and 4:00 p.m. and is limited to areas outside of incorporated municipalities;

3. Certain types of materials may be open burned provided an open burning permit is obtained from the Director. The permit will specify the conditions and provisions of all open burning. The permit may be revoked if the owner or operator fails to comply with the conditions or any provisions of the permit.
4. Lead Belt Materials Co., Inc. may be issued an annually renewable open burning permit for open burning provided that an air curtain destructor or incinerator is utilized and only tree trunks, tree limbs, vegetation or untreated wood waste are burned. Open burning shall occur at least two hundred (200) yards from the nearest occupied structure unless the owner or operator of the occupied structure provides a written waiver of this requirement. Any waiver shall accompany the open burning permit application. The permit may be revoked if Lead Belt Materials Co., Inc. fails to comply with the provisions or any condition of the open burning permit.
   a. In a nonattainment area, as defined in 10 CSR 10-6.020, paragraph (2)(N)5., the Director shall not issue a permit under this section unless the owner or operator can demonstrate to the satisfaction of the Director that the emissions from the open burning of the specified material would be less than the emissions from any other waste management or disposal method.
5. Reporting and Record Keeping. New Source Performance Standard (NSPS) 40 CFR Part 60 Subpart CCCC establishes certain requirements for air curtain destructors or incinerators that burn wood trade waste. These requirements are established in 40 CFR 60.2245-60.2260. The provisions of 40 CFR Part 60 Subpart CCCC promulgated as of September 22, 2005 shall apply and are hereby incorporated by reference in this rule, as published by the U.S. Government Printing Office, 732 N Capitol Street NW, Washington, DC 20401. To comply with NSPS 40 CFR 60.2245-60.2260, sources must conduct an annual Method 9 test. A copy of the annual Method 9 test results shall be submitted to the Director.
6. Test Methods. The visible emissions from air pollution sources shall be evaluated as specified by 40 CFR Part 60, Appendix A–Test Methods, Method 9–Visual Determination of the Opacity of Emissions from Stationary Sources. The provisions of 40 CFR Part 60, Appendix A, Method 9 promulgated as of December 23, 1971 is incorporated by reference in this rule, as published by the U.S. Government Printing Office, 732 N Capitol Street NW, Washington, DC 20401.

10 CSR 10-3.090 Restriction of Emission of Odors

This requirement is not federally enforceable.

No person may cause, permit or allow the emission of odorous matter in concentrations and frequencies or for durations that odor can be perceived when one volume of odorous air is diluted with seven volumes of odor-free air for two separate trials not less than 15 minutes apart within the period of one hour.

10 CSR 10-6.080 Emission Standards for Hazardous Air Pollutants and 40 CFR Part 61 Subpart M National Emission Standard for Asbestos

1. The permittee shall follow the procedures and requirements of 40 CFR Part 61, Subpart M for any activities occurring at this installation which would be subject to provisions for 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos.
2. The permittee shall conduct monitoring to demonstrate compliance with registration, certification, notification, and Abatement Procedures and Practices standards as specified in 40 CFR Part 61, Subpart M.

10 CSR 10-6.250 Asbestos Abatement Projects – Certification, Accreditation, and Business Exemption Requirements

The permittee shall conduct all asbestos abatement projects within the procedures established for certification and accreditation by 10 CSR 10-6.250. This rule requires individuals who work in asbestos abatement projects to be certified by the Missouri Department of Natural Resources Air Pollution Control Program. This rule requires training providers who offer training for asbestos abatement occupations to be accredited by the Missouri Department of Natural Resources Air Pollution Control Program. This rule requires persons who hold exemption status from certain requirements of this rule to allow the Department to monitor training provided to employees. Each individual who works in asbestos abatement projects must first obtain certification for the appropriate occupation from the Department. Each person who offers training for asbestos abatement occupations must first obtain accreditation from the Department. Certain business entities that meet the requirements for state-approved exemption status must allow the Department to monitor training classes provided to employees who perform asbestos abatement.

Title VI – 40 CFR Part 82 Protection of Stratospheric Ozone

1. The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:
   a. All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to §82.106.
   b. The placement of the required warning statement must comply with the requirements pursuant to §82.108.
   c. The form of the label bearing the required warning statement must comply with the requirements pursuant to §82.110.
   d. No person may modify, remove, or interfere with the required warning statement except as described in §82.112.
2. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners (MVACs) in Subpart B:

a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to §82.156.
b. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to §82.158.
c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to §82.161.
d. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with record keeping requirements pursuant to §82.166. ("MVAC-like" appliance as defined at §82.152).
e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to §82.156.
f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to §82.166.

3. If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR Part 82, Subpart A, Production and Consumption Controls.
4. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant.

The permittee shall be allowed to switch from any ozone-depleting substance to any alternative that is listed in the Significant New Alternatives Program (SNAP) promulgated pursuant to 40 CFR Part 82, Subpart G, Significant New Alternatives Policy Program. *Federal Only - 40 CFR Part 82*

10 CSR 10-6.280 Compliance Monitoring Usage

1. The permittee is not prohibited from using the following in addition to any specified compliance methods for the purpose of submission of compliance certificates:
   a. Monitoring methods outlined in 40 CFR Part 64;
   b. Monitoring method(s) approved for the permittee pursuant to 10 CSR 10-6.065, “Operating Permits”, and incorporated into an operating permit; and
   c. Any other monitoring methods approved by the Director.
2. Any credible evidence may be used for the purpose of establishing whether a permittee has violated or is in violation of any such plan or other applicable requirement. Information from the use of the following methods is presumptively credible evidence of whether a violation has occurred by a permittee:
   a. Monitoring methods outlined in 40 CFR Part 64;
   b. A monitoring method approved for the permittee pursuant to 10 CSR 10-6.065, “Operating Permits”, and incorporated into an operating permit; and
   c. Compliance test methods specified in the rule cited as the authority for the emission limitations.
3. The following testing, monitoring or information gathering methods are presumptively credible testing, monitoring, or information gathering methods:
   a. Applicable monitoring or testing methods, cited in:
      i 10 CSR 10-6.030, “Sampling Methods for Air Pollution Sources”;

ii 10 CSR 10-6.040, “Reference Methods”;
iii 10 CSR 10-6.070, “New Source Performance Standards”;
iv 10 CSR 10-6.080, “Emission Standards for Hazardous Air Pollutants”; or

b. Other testing, monitoring, or information gathering methods, if approved by the Director, that produce information comparable to that produced by any method listed above.

IV. General Permit Requirements

The installation shall comply with each of the following requirements. Consult the appropriate sections in the Code of Federal Regulations (CFR) and Code of State Regulations (CSR) for the full text of the applicable requirements. All citations, unless otherwise noted, are to the regulations in effect as of the date that this permit is issued.

10 CSR 10-6.065, §(5)(C)1 and §(6)(C)1.B Permit Duration

This permit is issued for a term of five years, commencing on the date of issuance. This permit will expire at the end of this period unless renewed.

10 CSR 10-6.065, §(5)(C)1 and §(6)(C)1.C General Record Keeping and Reporting Requirements

1. Record Keeping
   a. All required monitoring data and support information shall be retained for a period of at least five years from the date of the monitoring sample, measurement, report or application.
   b. Copies of all current operating and construction permits issued to this installation shall be kept on-site for as long as the permits are in effect. Copies of these permits shall be made immediately available to any Missouri Department of Natural Resources' personnel upon request.
2. Reporting
   a. All reports shall be submitted to the Air Pollution Control Program, Enforcement Section, P. O. Box 176, Jefferson City, MO 65102.
   b. The permittee shall submit a report of all required monitoring by:
      i. April 1st for monitoring which covers the January through December time period.
      ii Exception. Monitoring requirements which require reporting more frequently than annually shall report no later than 30 days after the end of the calendar quarter in which the measurements were taken.
   c. Each report shall identify any deviations from emission limitations, monitoring, record keeping, reporting, or any other requirements of the permit.
   d. Submit supplemental reports as required or as needed. Supplemental reports are required no later than ten days after any exceedance of any applicable rule, regulation or other restriction. All reports of deviations shall identify the cause or probable cause of the deviations and any corrective actions or preventative measures taken.
      i. Notice of any deviation resulting from an emergency (or upset) condition as defined in paragraph (6)(C)7 of 10 CSR 10-6.065 (Emergency Provisions) shall be submitted to the permitting authority either verbally or in writing within two working days after the date on which the emission limitation is exceeded due to the emergency, if the permittee wishes to assert an affirmative defense. The affirmative defense of emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that indicate an emergency occurred and the permittee can identify the cause(s) of the emergency. The permitted installation must show that it was operated properly at the time and that during the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or requirements in the permit. The notice must contain a description of the emergency, the steps taken to mitigate emissions, and the corrective actions taken.

ii. Any deviation that poses an imminent and substantial danger to public health, safety or the environment shall be reported as soon as practicable.
iii. Any other deviations identified in the permit as requiring more frequent reporting than the permittee's annual report shall be reported on the schedule specified in this permit, and no later than ten days after any exceedance of any applicable rule, regulation, or other restriction.

e. Every report submitted shall be certified by the responsible official, except that, if a report of a deviation must be submitted within ten days after the deviation, the report may be submitted without a certification if the report is resubmitted with an appropriate certification within ten days after that, together with any corrected or supplemental information required concerning the deviation.
f. The permittee may request confidential treatment of information submitted in any report of deviation.

10 CSR 10-6.065 §(5)(C)1 and §(6)(C)1.D Risk Management Plan Under Section 112(r)

The permittee shall comply with the requirements of 40 CFR Part 68, Accidental Release Prevention Requirements. If the permittee has more than a threshold quantity of a regulated substance in process, as determined by 40 CFR Section 68.115, the permittee shall submit a Risk Management Plan in accordance with 40 CFR Part 68 no later than the latest of the following dates:

1. June 21, 1999;
2. Three years after the date on which a regulated substance is first listed under 40 CFR Section 68.130; or
3. The date on which a regulated substance is first present above a threshold quantity in a process.

10 CSR 10-6.065(5)(C)1.A General Requirements

1. The permittee must comply with all of the terms and conditions of this permit. Any noncompliance with a permit condition constitutes a violation and is grounds for enforcement action, permit termination, permit revocation and re-issuance, permit modification or denial of a permit renewal application.
2. The permittee may not use as a defense in an enforcement action that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit
3. The permit may be modified, revoked, reopened, reissued or terminated for cause. Except as provided for minor permit modifications, the filing of an application or request for a permit modification, revocation and reissuance, or termination, or the filing of a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
4. This permit does not convey any property rights of any sort, nor grant any exclusive privilege.
5. The permittee shall furnish to the Air Pollution Control Program, upon receipt of a written request and within a reasonable time, any information that the Air Pollution Control Program reasonably may require to determine whether cause exists for modifying, reopening, reissuing or revoking the permit or to determine compliance with the permit. Upon request, the permittee also shall furnish to the Air Pollution Control Program copies of records required to be kept by the permittee. The permittee may make a claim of confidentiality for any information or records submitted under this rule.
6. Failure to comply with the limitations and conditions that qualify the installation for an Intermediate permit make the installation subject to the provisions of 10 CSR 10-6.065(6) and enforcement action for operating without a valid part 70 operating permit.

10 CSR 10-6.065(5)(C)1.C Reasonably Anticipated Operating Scenarios

Operational Scenarios are delineated in permit condition PW001.

10 CSR 10-6.065, §(5)(B)4; §(5)(C)1, §(6)(C)3.B; and §(6)(C)3.D; and §(5)(C)3 and §(6)(C)3.E.(I) – (III) and (V) – (VI) Compliance Requirements

1. Any document (including reports) required to be submitted under this permit shall contain a certification signed by the responsible official.
2. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized officials of the Missouri Department of Natural Resources, or their authorized agents, to perform the following (subject to the installation's right to seek confidential treatment of information submitted to, or obtained by, the Air Pollution Control Program):
   a. Enter upon the premises where a permitted installation is located or an emissions-related activity is conducted, or where records must be kept under the conditions of this permit;
   b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
   c. Inspect, at reasonable times and using reasonable safety practices, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and
   d. As authorized by the Missouri Air Conservation Law, Chapter 643, RSMo or the Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the terms of this permit, and all applicable requirements as outlined in this permit.
3. All progress reports required under an applicable schedule of compliance shall be submitted semiannually (or more frequently if specified in the applicable requirement). These progress reports shall contain the following:
   a. Dates for achieving the activities, milestones or compliance required in the schedule of compliance, and dates when these activities, milestones or compliance were achieved, and
   b. An explanation of why any dates in the schedule of compliance were not or will not be met, and any preventative or corrective measures adopted.
4. The permittee shall submit an annual certification that it is in compliance with all of the federally enforceable terms and conditions contained in this permit, including emissions limitations, standards, or work practices. These certifications shall be submitted annually by June 1st, unless the applicable requirement specifies more frequent submission. These certifications shall be submitted to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102. All deviations and exceedances must be included in the compliance certifications. The compliance certification shall include the following:
   a. The identification of each term or condition of the permit that is the basis of the certification;
   b. The current compliance status, as shown by monitoring data and other information reasonably available to the installation;
   c. Whether compliance was continuous or intermittent;
   d. The method(s) used for determining the compliance status of the installation, both currently and over the reporting period; and
   e. Such other facts as the Air Pollution Control Program will require in order to determine the compliance status of this installation.

10 CSR 10-6.065, §(5)(C)1 and §(6)(C)7 Emergency Provisions

1. An emergency or upset as defined in 10 CSR 10-6.065(6)(C)7.A shall constitute an affirmative defense to an enforcement action brought for noncompliance with technology-based emissions

limitations. To establish an emergency- or upset-based defense, the permittee must demonstrate, through properly signed, contemporaneous operating logs or other relevant evidence, the following:
   a. That an emergency or upset occurred and that the permittee can identify the source of the emergency or upset,
   b. That the installation was being operated properly,
   c. That the permittee took all reasonable steps to minimize emissions that exceeded technology-based emissions limitations or requirements in this permit, and
   d. That the permittee submitted notice of the emergency to the Air Pollution Control Program within two working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and any corrective actions taken.
2. Be aware that an emergency or upset shall not include noncompliance caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

10 CSR 10-6.065(5)(C)5 Off-Permit Changes

1. Except as noted below, the permittee may make any change in its permitted installation's operations, activities or emissions that is not addressed in, constrained by or prohibited by this permit without obtaining a permit revision. Off-permit changes shall be subject to the following requirements and restrictions:
   a. The change must meet all applicable requirements of the Act and may not violate any existing permit term or condition; the permittee may not change a permitted installation without a permit revision if this change is a Title I modification; Please Note: Changes at the installation which affect the emission limitation(s) classifying the installation as an intermediate source (add additional equipment to the record keeping requirements, increase the emissions above major source level) do not qualify for off-permit changes.
   b. The permittee must provide written notice of the change to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as well as EPA Region VII, 901 North 5th Street, Kansas City, KS 66101, no later than the next annual emissions report. This written notice shall describe each change, including the date, any change in emissions, pollutants emitted and any applicable requirement that would apply as a result of the change; and
   c. The permittee shall keep a record describing all changes made at the installation that result in emissions of a regulated air pollutant subject to an applicable requirement and the emissions resulting from these changes.

10 CSR 10-6.020(2)(R)12 Responsible Official

The application utilized in the preparation of this permit was signed by Mr. Josh Baker, Estimator/QC Manager. If this person terminates employment, or is reassigned different duties such that a different person becomes the responsible person to represent and bind the installation in environmental permitting affairs, the owner or operator of this air contaminant source shall notify the Director of the Air Pollution Control Program of the change. Said notification shall be in writing and shall be submitted within 30 days of the change. The notification shall include the name and title of the new person assigned by the source owner or operator to represent and bind the installation in environmental permitting affairs. All representations, agreement to terms and conditions and covenants made by the former responsible person that were used in the establishment of limiting permit conditions on this permit will continue to be binding on the installation until such time that a revision to this permit is obtained that would change said representations, agreements and covenants.

10 CSR 10-6.065 §(5)(E)4 and §(6)(E)6.A(III)(a)-(c) Reopening-Permit for Cause

This permit may be reopened for cause if:

1. The Missouri Department of Natural Resources (MDNR) or EPA determines that the permit contains a material mistake or that inaccurate statements were made which resulted in establishing the emissions limitation standards or other terms of the permit,
2. Additional applicable requirements under the Act become applicable to the installation; however, reopening on this ground is not required if—:
   a. The permit has a remaining term of less than three years;
   b. The effective date of the requirement is later than the date on which the permit is due to expire; or
   c. The additional applicable requirements are implemented in a general permit that is applicable to the installation and the installation receives authorization for coverage under that general permit,
3. The Missouri Department of Natural Resources or EPA determines that the permit must be reopened and revised to assure compliance with applicable requirements.

10 CSR 10-6.065 §(5)(E)1.A and §(6)(E)1.C Statement of Basis

This permit is accompanied by a statement setting forth the legal and factual basis for the permit conditions (including references to applicable statutory or regulatory provisions). This Statement of Basis, while referenced by the permit, is not an actual part of the permit.

V. Attachments

Attachments follow.

ATTACHMENT A

Daily Ambient PM_{10} Impact Tracking Record
(Solitary and Concurrent Same-Owner Operations)

Date								
Rock Crushing Plant #1	Daily Production (tons)							
	Ambient Impact Factor ($\mu g/m^3$ton)	0.0228	0.0228	0.0228	0.0228	0.0228	0.0228	0.0228
	Daily Impact PM_{10} Impact ($\mu g/m^3$)							
Rock Crushing Plant #2	Daily Production (tons)							
	Ambient Impact Factor ($\mu g/m^3$ton)	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135
	Daily Impact PM_{10} Impact ($\mu g/m^3$)							
Asphalt Plant	Daily Production (tons)							
	Ambient Impact Factor ($\mu g/m^3$ton)	0.0435	0.0435	0.0435	0.0435	0.0435	0.0435	0.0435
	Daily Impact PM_{10} Impact ($\mu g/m^3$)							
Pugmill	Daily Production (tons)							
	Ambient Impact Factor ($\mu g/m^3$ton)	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
	Daily Impact PM_{10} Impact ($\mu g/m^3$)							
Installation Daily PM_{10} Impact								
Background PM_{10} Level ($\mu g/m^3$)		20	20	20	20	20	20	20
Total PM_{10} Level ($\mu g/m^3$)								

Daily Impact PM_{10} Impact ($\mu g/m^3$) = Daily Production (tons) x Ambient Impact Factor ($\mu g/m^3$ton)

Installation Daily PM_{10} Impact ($\mu g/m^3$) = Daily Impact PM_{10} Impact ($\mu g/m^3$) of (Rock Crushing Plant #1 + Rock Crushing Plant #2 + Asphalt Plant + Pugmill)

Total PM_{10} Level ($\mu g/m^3$) = Installation Daily PM_{10} Impact ($\mu g/m^3$) + Background PM_{10} Level ($\mu g/m^3$)
*Total PM_{10} Level ($\mu g/m^3$) must be less than 150 ($\mu g/m^3$) in any 24-hour period to demonstrate compliance.

ATTACHMENT B

Daily Ambient PM_{10} Impact Tracking Record
(Concurrent Separate-Owner and Same-and-Separate-Owner Operations)

Date								
Rock Crushing Plant #1	Daily Production (tons)							
	Ambient Impact Factor ($\mu g/m^3$ton)	0.0228	0.0228	0.0228	0.0228	0.0228	0.0228	0.0228
	Daily Impact PM_{10} Impact ($\mu g/m^3$)							
Rock Crushing Plant #2	Daily Production (tons)							
	Ambient Impact Factor ($\mu g/m^3$ton)	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135	0.0135
	Daily Impact PM_{10} Impact ($\mu g/m^3$)							
Asphalt Plant	Daily Production (tons)							
	Ambient Impact Factor ($\mu g/m^3$ton)	0.0435	0.0435	0.0435	0.0435	0.0435	0.0435	0.0435
	Daily Impact PM_{10} Impact ($\mu g/m^3$)							
Pugmill	Daily Production (tons)							
	Ambient Impact Factor ($\mu g/m^3$ton)	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005	0.0005
	Daily Impact PM_{10} Impact ($\mu g/m^3$)							
Installation Daily PM_{10} Impact								
Background PM_{10} Level ($\mu g/m^3$)		42.5	42.5	42.5	42.5	42.5	42.5	42.5
Total PM_{10} Level ($\mu g/m^3$)								

Daily Impact PM_{10} Impact ($\mu g/m^3$) = Daily Production (tons) x Ambient Impact Factor ($\mu g/m^3$ton)

Installation Daily PM_{10} Impact ($\mu g/m^3$) = Daily Impact PM_{10} Impact ($\mu g/m^3$) of (Rock Crushing Plant #1 + Rock Crushing Plant #2 + Asphalt Plant + Pugmill)

Total PM_{10} Level ($\mu g/m^3$) = Installation Daily PM_{10} Impact ($\mu g/m^3$) + Background PM_{10} Level ($\mu g/m^3$)
*Total PM_{10} Level ($\mu g/m^3$) must be less than 150 ($\mu g/m^3$) in any 24-hour period to demonstrate compliance.

ATTACHMENT C
12-month CO Tracking Record

CO Emission Rate (lb/h) = Average Hourly Rate * CO Emission Factor

Emission Unit	Average Hourly Rate (1000 gallons fuel/h)	CO Emission Factor (lb/1000 gallons fuel)	CO Emission Rate (lb/h)
EU0190 Diesel Engine		130	
EU0191 Diesel Engine		130	
Emission Unit	**Average Hourly Rate (tons/h)**	**CO Emission Factor (lb/ton)**	**CO Emission Rate (lb/h)**
EU0210 Drum Dryer		0.131	
Emission Unit	**Average Hourly Rate (MMBtu/h)**	**CO Emission Factor (lb/MMBtu)**	**CO Emission Rate (lb/h)**
Asphalt Heater EP-3		8.9	

Total (tons/month) = Total (lb/h) _____
Total (lb/h) / 2000 (lb/ton) * 730 (h/month) Total (tons/month) _____

Month and Year	Annual Emission for the last 12 months (tons/yr)	Month and Year	Annual Emission for the last 12 months (tons/yr)

*An Annual Emission of less than 100 TPY CO demonstrates compliance.

ATTACHMENT D

12-month PM_{10} Tracking Record

PM_{10} Emission Rate (lb/h) =
Average Hourly Rate * PM_{10} Emission Factor * (1-Control Device Efficiency/100)

Emission Unit	Average Hourly Rate (tons/h)	PM Emission Factor (lb/ton)	PM Emission Rate (lb/h)
Rock Crushing Plant Number 1		0.07985	
Rock Crushing Plant Number 2		0.028166	
Asphalt Plant		0.13505	
Pugmill		0.023495	

Total (tons/month) = Total (lb/h) _____
Total (lb/h) / 2000 (lb/ton) * 730 (h/month) Total (tons/month) _____

Month and Year	Annual Emission for the last 12 months (tons/yr)

Month and Year	Annual Emission for the last 12 months (tons/yr)

* An Annual Emission of less than 100 TPY PM_{10} demonstrates compliance.

ATTACHMENT E

10 CSR 10-6.400 Compliance Demonstration

Maximum Allowable PM Emissions $= E\ (lb/hr) = 4.1(P)^{0.67}$ if $P \leq 30$ tons/hr

$= E\ (lb/hr) = 55(P)^{0.11} - 40$ if $P > 30$ tons/hr

P = Process weight rate (tons/hr)
E = Allowable emission rate limit (lb/hr)

Potential PM Emission Rate =
MHDR(tons/hr) * Emission Factor(lb/ton) * (1 – Control Efficiency/100)

These emission units have low enough potential particulate matter emission rates without control devices that CAM does not apply. Particulate Matter Emissions Factor taken from FIRE.

Emission Unit	Maximum Hourly Design Rate (tons/hr)	PM Emission Factor (lb/ton)	Control Device Efficiency (%)	Potential Particulate Matter Emission Rate (lb/hr)	Allowable Particulate Matter Emission Rate (lb/hr)
EU0210 Drum Dryer	170	0.14	0	23.8	56.8
EU0220 Elevators, Screens, Bins, and Mixer	170	0.14	0	23.8	56.8

ATTACHMENT F

Inspection/Maintenance/Repair/Malfunction Log

Emission Unit # or CVM # _____

Date/Time	Inspection/ Maintenance Activities	Malfunction Activities					
		Malfunction	Impact	Duration	Cause	Action	Initials

ATTACHMENT G
Method 9 Opacity Observations

Company	Observer
Location	Observer Certification Date
Date	Emission Unit
Time	Control Device

Hour	Minute	Seconds				Steam Plume (check if applicable)		Comments
		0	15	30	45	Attached	Detached	
	0							
	1							
	2							
	3							
	4							
	5							
	6							
	7							
	8							
	9							
	10							
	11							
	12							
	13							
	14							
	15							
	16							
	17							
	18							

SUMMARY OF AVERAGE OPACITY

Set Number	Time		Opacity	
	Start	End	Sum	Average

Readings ranged from _____ to _____ % opacity.

Was the emission unit in compliance at the time of evaluation? _____ _____ _____
YES NO Signature of Observer

ATTACHMENT H

Opacity Emissions Observations

Date	Time	Visible Emissions				If not within permitted emission limits		
		Emission Source	Normal	Less than Normal	Greater than Normal	Cause	Corrective Action	Initial

ATTACHMENT I

12-month NO_x Tracking Record

NO_x Emission Rate (lb/h) = Average Hourly Rate * NO_x Emission Factor

Emission Unit	Average Hourly Rate (1000 gallons fuel/h)	NO_x Emission Factor (lb/1000 gallons fuel)	NO_x Emission Rate (lb/h)
EU0190 Diesel Engine		604	
EU0191 Diesel Engine		604	

Total (tons/month) = Total (lb/h) / 2000 (lb/ton) * 730 (h/month)

Total (lb/h) _____

Total (tons/month) _____

Month and Year	Annual Emission for the last 12 months (tons/yr)

Month and Year	Annual Emission for the last 12 months (tons/yr)

*An Annual Emission of less than 40 TPY NO_x demonstrates compliance.

STATEMENT OF BASIS

Voluntary Limitations
In order to qualify for this Intermediate State Operating Permit, the permittee has accepted voluntary, federally enforceable emission limitations. Per 10 CSR 10-6.065(5)(C)1.A.(VI), if these limitations are exceeded, the installation immediately becomes subject to 10 CSR 10-6.065(6) and enforcement action for operating without a valid part 70 operating permit. It is the permittee's responsibility to monitor emission levels and apply for a part 70 operating permit far enough in advance to avoid this situation. This may mean applying more than eighteen months in advance of the exceedance, since it can take that long or longer to obtain a part 70 operating permit.

Permit Reference Documents
These documents were relied upon in the preparation of the operating permit. Because they are not incorporated by reference, they are not an official part of the operating permit.

1) Intermediate Operating Permit Application, received June 18, 2009
2) U.S. EPA document AP-42, *Compilation of Air Pollutant Emission Factors*; Volume I, Stationary Point and Area Sources, Fifth Edition.

Applicable Requirements Included in the Operating Permit but Not in the Application or Previous Operating Permits
In the operating permit application, the installation indicated they were not subject to the following regulation(s). However, in the review of the application, the agency has determined that the installation is subject to the following regulation(s) for the reasons stated.

*****40 CFR Part 60 Subpart OOO has been updated since the last operating permit. The permittee should carefully read the permit condition pertaining to this subpart which was included in this permit to ensure that all compliance requirements are being met.*****

Other Air Regulations Determined Not to Apply to the Operating Permit
The Air Pollution Control Program (APCP) has determined that the following requirements are not applicable to this installation at this time for the reasons stated.

10 CSR 10-6.100, *Alternate Emission Limits*
This rule is not applicable because the installation is in an ozone attainment area.

Construction Permit Revisions
The following revisions were made to construction permits for this installation:
None.

New Source Performance Standards (NSPS) Applicability

40 CFR Part 60 Subpart I, *Standards of Performance for Hot Mix Asphalt Facilities* is not applicable because all the equipment that falls under this subpart was installed prior to the regulatory date of June 11, 1973.

40 CFR Part 60 Subparts K, Ka, and Kb, *Standards of Performance for Storage Vessels for Petroleum Liquids* is not applicable. Only one tank at this installation is large enough to be subject to this standard, at 25,000 gallons, but it is used to store asphalt, which falls below the true vapor threshold of 15 kPa, making it exempt from the regulation.

40 CFR Part 60 Subpart HH, *Standards of Performance for Lime Manufacturing Plants* is not applicable because the facility does not manufacture lime.

40 CFR Part 60 Subpart LL, *Standards of Performance for Metallic Mineral Processing Plants* is not applicable because the facility does not process metallic minerals.

40 CFR Part 60 Subpart UU, *Standards of Performance for Asphalt Processing and Asphalt Roofing Manufacture* is not applicable because the subpart only applies to asphalt roofing plants (plants which produce asphalt roofing products, asphalt processing plants (plants which blow asphalt for use in the manufacture of asphalt products, and petroleum refineries.

40 CFR Part 60 Subpart OOO, *Standards of Performance for Nonmetallic Mineral Processing* is applicable and has been incorporated into this operating permit.

40 CFR Part 60 Subpart Subpart IIII, *Stationary Compression Ignition Internal Combustion Engines* is not applicable because the diesel engines at this installation are not stationary.

Maximum Available Control Technology (MACT) Applicability
This facility is not major for HAPs.

National Emission Standards for Hazardous Air Pollutants (NESHAP) Applicability
None.

Other Regulatory Determinations
In the previous operating permit 10 CSR 10-6.260 *Restriction of Emission of Sulfur Compounds* was applied to the Drum Dryer and Elevators, Screens, Bins, and Mixers. The Drum Dryer runs on pipeline grade natural gas and is exempt from this rule. The Elevators, Screens, Bins, and Mixers are not sulfur emission sources.

Other Regulations Not Cited in the Operating Permit or the Above Statement of Basis
Any regulation which is not specifically listed in either the Operating Permit or in the above Statement of Basis does not appear, based on this review, to be an applicable requirement for this installation for one or more of the following reasons.

1. The specific pollutant regulated by that rule is not emitted by the installation.
2. The installation is not in the source category regulated by that rule.
3. The installation is not in the county or specific area that is regulated under the authority of that rule.
4. The installation does not contain the type of emission unit which is regulated by that rule.
5. The rule is only for administrative purposes.

Should a later determination conclude that the installation is subject to one or more of the regulations cited in this Statement of Basis or other regulations which were not cited, the installation shall determine and demonstrate, to the Air Pollution Control Program's satisfaction, the installation's compliance with that regulation(s). If the installation is not in compliance with a regulation which was not previously cited, the installation shall submit to the Air Pollution Control Program a schedule for achieving compliance for that regulation(s).

Prepared by:

Alana L. Rugen
Environmental Engineer