



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: OP2008-032

Expiration Date: JUL - 2 2013

Installation ID: 099-0103

Project Number: 2007-08-050

Installation Name and Address

Bussen Quarries, Inc. - Antire Quarry
6800 Bussen-Antire Road
Jefferson/St. Louis County
Eureka, MO 63025

Parent Company's Name and Address

Bussen Quarries, Inc.
5000 Bussen Road
St. Louis, MO 63129

Installation Description:

Bussen Quarries, Inc. operates the Antire Quarry, a rock crushing plant in Eureka, Missouri.

JUL - 3 2008

Effective Date

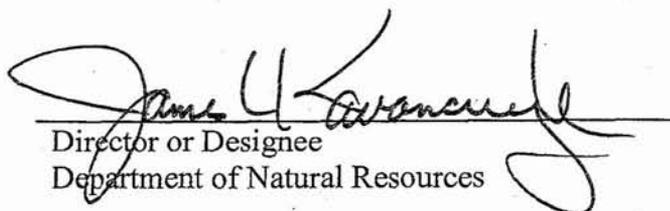

Director or Designee
Department of Natural Resources

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I. Installation Description and Equipment Listing

INSTALLATION DESCRIPTION

Bussen Quarries, Inc. operates the Antire Quarry, a rock crushing plant in Eureka, Missouri. The Rock crushing plant is a generic plant. Rock is processed through no more than two (2) primary crushers, four (4) secondary crushers, four (4) tertiary crushers, twelve (12) screens, one-hundred (100) conveyors and stackers, fifteen (15) storage bins, and two (2) feeders/grizzlies.

The reported actual emissions for the past five years for the installation are listed below:

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)	Lead (Pb)	Hazardous Air Pollutants (HAPs)
2007	30.00	0.00	0.00	0.00	0.00	0.00	0.00
2006	29.00	0.00	0.00	0.00	0.00	0.00	0.00
2005	38.24	0.00	0.00	0.05	0.00	0.00	0.00
2004	34.79	0.00	0.00	0.05	0.00	0.00	0.00
2003	34.79	0.00	0.00	0.05	0.00	0.00	0.00

EMISSION UNITS WITH LIMITATIONS

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

Emission Unit #	Description of Emission Unit	Make/Model/Serial #	Date of Manufacture
EU0010	30' Grizzly Feeder	Deister, Model #VGB 8430, Serial #64667	2005
EU0020	Primary Crusher, 30x42 Jaw	Cedarapids, Serial #41649	1989
EU0030	Primary Crusher	Hazemag, APP2022HGSK, Serial #HU1884	2005
EU0040	Screen – Seco 8X20	Seco, Serial #XL 1905	1989
EU0050	Screen – Seco 8X20	Seco, Serial #XL 2012	1990
EU0060	Screen – Seco 8X20	Seco, Serial #XL 2110	1992
EU0070	Screen – Pep VVIIM	Pep, Serial #97336	1997
EU0080	Screen – Diester Scalper BXHM-3824-03T	Diester, Serial #1010599	2005
EU0090	Screen – Diester Circuit BHM-4824-03T	Diester, Serial #1620500	2005
EU0100	Screen – Diester Circuit BHM-4824-03T	Diester, Serial #1620501	2005
EU0110	Secondary Crusher – Impact Crusher	Bhringer HS21, Serial #121351789458	1989
EU0120	Secondary Crusher – Nordberg 1560 Omnicone, Compression	Nordberg, Serial #1560000320	1990

Emission Unit #	Description of Emission Unit	Make/Model/Serial #	Date of Manufacture
EU0130	Secondary Crusher – Metso HP500 STD. Cone	Metso, Serial #123378	2005
EU0140	Tertiary Crusher – Metso HP300 SH Cone	Metso, Serial #123378	2001
EU0150	Tertiary Crusher – Metso HP500 SH Cone	Metso, Serial #123332	2005
EU0160	Storage Bin – Grace Single Axle 50 Ton	Grace, Serial #9711391	1997
EU0170	Storage Bin – Grace Single Axle 50 Ton	Grace, Serial #9711392	1997
EU0180	Surge Bin – Grasan Dual Axle 100 Ton	Grasan, Model HF038, Serial #9711391	2001
EU0190	Conveyor – Plant #1	Marco, Serial #67999-1	1991
EU0200	Conveyor – Plant #1	Marco, Serial #67999-2	1991
EU0210	Conveyor	PMI, Serial #644790 Jaw	1990
EU0220	Conveyor	Marco 76057.1	1995
EU0230	Conveyor	Marco 76057.2	1995
EU0240	Conveyor	Marco 76057.3	1995
EU0250	Conveyor	PMI, Serial #612790	1990
EU0260	Conveyor	PMI, Serial #656790	1990
EU0270	Conveyor	PMI, Serial #657790	1990
EU0280	Conveyor	PMI, Serial #658790	1990
EU0290	Conveyor	Homemade BQ994	1994
EU0300	Conveyor	Marco, Serial #73915	1994
EP0310	Conveyor	PMI, Serial #613790	1990
EU0320	Conveyor	Shopebuilt #1	1990
EU0330	Conveyor	PMI, Serial #619790	1990
EU0340	Conveyor	Homebuilt #2	1996
EU0350	Conveyor	Peerless, Serial #20838A	1989
EU0360	Conveyor	PMI, Serial #0142411288	1988
EU0370	Conveyor	PMI, Serial #024251288	1988
EU0380	Conveyor	PMI, Serial #4261288	1988
EU0390	Conveyor	BCC, Serial #84-6-3	1984
EU0400	Conveyor	PMI, Serial #629890	1990
EU0410	Conveyor	Peerless, Serial #20838B	1989
EU0420	Conveyor	PMI, Serial #616790	1990
EU0430	Conveyor	BCC, Serial #84-6-2	1984
EU0440	Conveyor	PMI, Serial #614790	1990
EU0450	Conveyor	PMI, Serial #618790	1990
EU0460	Conveyor	PMI, Serial #617790	1990
EU0470	Conveyor	PMI, Serial #615790	1990

Emission Unit #	Description of Emission Unit	Make/Model/Serial #	Date of Manufacture
EU0480	Conveyor	PEP, Serial #97336	1997
EU0490	Conveyor (30" Width)	Grace, Serial #9711392	1997
EU0500	Conveyor (30" Width)	Grace, Serial #9711391	1997
EU0510	Conveyor (42" Width)	Grace, Serial #9711392	1997
EU0520	Conveyor (42" Width)	Grace, Serial #9711391	1997
EU0530	Conveyor	Homemade	1998
EU0540	Conveyor	Marco, Serial #82857-1	2000
EU0550	Conveyor	Marco, Serial #83951-1	2001
EU0560	Conveyor	Marco, Serial #83951-2	2001
EU0570	Conveyor	Marco, Serial #84411-1	2001
EU0580	Conveyor	Marco, Serial #84411-2	2001
EU0590	Conveyor	Marco, Serial #85026-1	2001
EU0600	Conveyor	Marco, Serial #85026-2	2001
EU0610	Conveyor	Shop #3	2002
EU0620	Conveyor	Marco, Serial #85615-1	2002
EU0630	Angle Iron Truss Field Conveyor	PMI, Serial #627790 80'	1990
EU0640	Angle Iron Truss Field Conveyor	PMI, Serial #660890 65'	1990
EU0650	800VSD Belt Feeder	Marco, Serial #85716-B	2003
EU0660	Model 540 80' Stacker	Marco, Serial #85716-2	2003
EU0670	Model 540 100' Stacker	Marco, Serial #85716-3	2003
EU0680	Model 550 PB Field Conveyor	Marco, Serial #85716-1	2003
EU0690	Conveyor #C1, Impactor Discharger		Post – 8/31/1983
EU0700	Conveyor #C2, PRI Transfer Conveyor		
EU0710	Conveyor #C3, East Surge Pile Feed		
EU0720	Conveyor #C4, West Surge Pile Feed		
EU0730	Conveyor #C6, Surge Tnl/Sclp Scn Feed		
EU0740	Conveyor #C7, Scalping Scn Thrus		
EU0750	Conveyor #C8, Sizing Scn Thrus		
EU0760	Conveyor #C9, Scn Plt Cross Conv #1		
EU0770	Conveyor #C10, Scn Plt Cross Conv #2		
EU0780	Conveyor #C11, Scn Plt Cross Conv #3		
EU0790	Conveyor #C12, Scn Plt Cross Conv #4		
EU0800	Conveyor #C16, Scn Plt Cross Conv #5		
EU0810	Conveyor #C17, Scn Plt Cross Conv #6		
EU0820	Conveyor #C19, Scn Plt Cross Conv #7		

Emission Unit #	Description of Emission Unit	Make/Model/Serial #	Date of Manufacture
EU0830	Conveyor #C18, Sizing Screen Feed		
EU0840	Conveyor #C20, Transfer #1 – To Std Cone		
EU0850	Conveyor #C23, Transfer #2 – To SH Cone		
EU0860	Conveyor #C24, Transfer #3 – To Scn/Scrw		
EU0870	Conveyor #C21, Transfer #4 – To Base		
EU0880	Conveyor #C37, Transfer #4A – To Log Plt		
EU0890	Conveyor #C40, Transfer #5 – To Finish Plt		
EU0900	Conveyor #C22, Base Stacker		
EU0910	Conveyor #C14, Oversize Field		
EU0920	Conveyor #C15, Oversize Stacker		
EU0930	Conveyor #C38, 1¼” x 1” Field		
EU0940	Conveyor, 1¼” x 1” Stacker		
EU0940	Conveyor #C25, Screening Field		
EU0950	Conveyor #C27, Screening Stacker		
EU0960	Conveyor #C26, Mfg Sand Field		
EU0970	Conveyor #C28, Mfg Sand Stacker		
EU0980	Conveyor #C13, Screw Field		
EU0990	Conveyor #C29, Finish Screen Field		
EU1000	Conveyor #C30, Finish Screen Thrus		
EU1010	Conveyor #C39, Finish Screen Return		
EU1020	Conveyor #C41, Log Washer Feed		
EU1030	Conveyor #C31, Concrete Field		
EU1040	Conveyor #C32, West Chips Field		
EU1050	Conveyor #C33, East Chips Field		
EU1060	Conveyor #C34, Concrete Stacker		
EU1070	Conveyor #C35, West Chips Stacker		
EU1080	Conveyor #C36, East Chips Stacker		
EU1090	HI-G Product Field Conveyor		
EU1100	HI-G Product Stacker Conveyor		

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.

Reference #	Description of Emission Unit
EP1	Drilling
EP2	Blasting
EP3	Haul Road #1 – Quarry Pit to Crusher, Plant #1 Haul Road #2 – Plant to Storage Piles Haul Road #3 – Quarry Pit to Crusher, Plant #2
EP4	Truck Unloading
EP5	Primary Crusher – Universal 4560 Impactmaster, S/N 616X69
EP7	Screen – Simplicity S/N 2514-M14C-5-1486-S
EP8	Screen – Simplicity S/N 3516-M14C-5-1485-S
EP8	Screen – Simplicity S/N 3516-M14C-5-1484-S
EP8	Screen – Portec S/N 512-6B-129
EP12	Secondary Crusher - Norberg HP300, S/N 30310550
EP15	Storage Pile #1 - Open Storage Activity and Wind Erosion
EP16	Storage Pile #2 - Open Storage Activity and Wind Erosion
EP17	Storage Pile #3 - Open Storage Activity and Wind Erosion
EP18	Haul Road #2
EP19	500 Gallon Gasoline Tank
EP20	20,000 Gallon Diesel Tank (Constructed 1970)
EP21	Gasoline Tank
EP22	Diesel Tank Eight (8) Storage Bins #1 Homemade Feed Hopper #1 Homemade Feed Hopper #2 Homemade Conveyor – Marco S/N 26140-1 Plant #1 Conveyor – Marco S/N 26140-2 Plant #1 Conveyor – Marco S/N 26140-3 Plant #1 Conveyor – Marco S/N 27826 Plant #1 Conveyor – Marco S/N 28844-1 Plant #1 Conveyor – Marco S/N 28844-2 Plant #1 Conveyor – Marco 151-1 Plant #1 Conveyor – Marco S/N 42732 Plant #1 Conveyor – L.B Smith S/N 36100C-517 Plant #2 Conveyor – L.B Smith S/N 36100C-515 Plant #2 Conveyor – Marco 151-2 Plant #2 Conveyor – Rex Chain Drive S/N 803-30APR780 Plant #2

DOCUMENTS INCORPORATED BY REFERENCE

These documents have been incorporated by reference into this permit.

- 1) Construction Permit No. 052005-022, Issued May 23, 2005.

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 as of the date that this permit is issued.

Permit Condition PW001

10 CSR 10-6.060
 Construction Permits Required
 Construction Permit No. 0520005-022, General Special Conditions

Operational Limitation/Equipment Specifications:

- 1) Generic Plant Designation and Maximum Combined Hourly Design Rate
 Bussen Quarries - Antire Quarry BQ02's Stationary rock crushing plant (099-0103) has been designated to be a Generic Plant Operation. The combined Maximum Hourly Design Rate (MHDR) for the primary unit(s) and each of the following generic equipment types shall not exceed the maximum installation capacities listed below at any time the installation is in operation.
 [Construction Permit 052005-022, General Special Condition 1]

Equipment Type	Maximum Combined Hourly Design Rate (tons/hr)	Maximum Number of Units
Primary Unit(s) (Primary Crusher)	1,600	2
Secondary Crusher	1,200	4
Tertiary Crusher	1,040	4
Feeder/Grizzly	1,600	2
Conveyor(s), Stackers(s)	96,000	100
Screen(s)	9,600	12
Storage Bin(s)	Combined as transfer points w/conveyors	15

- 2) Generic Plant Equipment Identification Requirement:
 - a) To assure that each piece of equipment is properly identified as being a part of this generic Stationary rock crushing plant (099-0103), Bussen Quarries - Antire Quarry BQ02 shall provide and maintain suitable, easily read permanent markings on each component of the plant. These markings shall be the equipment's serial number or a company assigned identification number that uniquely identifies the individual component. These identification numbers must be submitted to the ACP and the Regional Office no later than fifteen (15) days after start-up of the generic plant. [Construction Permit 052005-022, General Special Condition 2B]
 - b) Bussen Quarries - Antire Quarry BQ02 shall at all times maintain a list of the specific equipment currently being utilized with the generic stationary rock crushing plant (099-0103). The installation shall immediately make this list of currently used equipment available to any Missouri Department of Natural Resources' personnel upon request.
 [Construction Permit 052005-022, General Special Condition 2C]

Record Keeping

The operator(s) shall maintain all records required by this permit for not less than five (5) years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request. [Construction Permit 052005-022, General Special Condition 3]

Reporting:

The operator(s) shall report to the Air Pollution Control Program (APCP) Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten (10) days after any exceedances of the limitations imposed by this permit. [Construction Permit 052005-022, General Special Condition 4]

Permit Condition PW002

10 CSR 10-6.060 Construction Permits Required
Construction Permit No. 052005-022

Emission Limitation:

- 1) *Best Management Practices* [Construction Permit 052005-022, Special Condition 1]
Bussen Quarries - Antire Quarry BQ02 shall control fugitive emissions from all of the haul roads and stockpiles at this site by performing Best Management Practices, which include the usage of paving, chemical dust suppressants, or documented watering. These practices are defined in Attachment AA.
- 2) *National Ambient Air Quality Standards (NAAQS) Limitation for Particulate Matter Less Than Ten Microns in Diameter (PM₁₀)* [Construction Permit 052005-022, Special Condition 2]
 - a) The operator(s) for Bussen Quarries - Antire Quarry BQ02's rock crushing plant (099-0103) shall ensure, while operating at this site, that the ambient impact of PM₁₀ at or beyond the nearest property boundary does not exceed 150 µg/m³ in any 24-hour period, in accordance with the Federal NAAQS requirements (40 CFR 50.6).
 - b) To demonstrate compliance, the operator(s) shall maintain a daily record of material processed. Attachment A, *Daily Ambient PM₁₀ Impact Tracking Record*, or other equivalent form(s), will be used for this purpose.

Moisture Content Testing:

Moisture Content Testing Requirement for Inherent Moisture Content
[Construction Permit 052005-022, Special Condition 4]

- 1) The inherent moisture content of the rock will reduce particulate emissions. Bussen Quarries - Antire Quarry BQ02 claimed the inherent moisture content of the processed rock to be greater than or equal to 1.5 wt%, which shall be verified by testing.
- 2) Testing shall be conducted according to approved methods, such as those prescribed by the American Society for Testing Materials (ASTM D-2216 or C-566), EPA AP-42 Appendix C.2, or other method(s) approved by the Director. Bussen Quarries - Antire Quarry BQ02. The first test shall be no later than 45 days after startup. Testing shall be conducted for three consecutive years during the months of June through September, while the rock crushing plant is active at this site. If the test results have been consistently greater than 1.5 wt% and there is no reported emission exceedances from the plant, then no further testing is required and this site shall be deemed to have met this condition on all subsequent permits. Verification of the results will be performed during a routine inspection. If the test results have been less than 1.5 wt% and/or there is substantial change in the emissions from the plant, then Bussen Quarries - Antire Quarry BQ02 shall apply for a new construction permit to account for the revised information or operate a wet suppression system capable of maintaining visible emissions standards for each unit within 30 days.

- 3) The operator shall obtain test samples before processing (before entering the Primary Crusher, EP06) and after processing (prior to load-in to bins and/or storage piles). During the sample processing run only, any spray devices shall be turned off during the processing from which test samples are obtained. The written analytical report shall include the raw data and moisture content (wt.%) of each sample, the test date, and the original signature of the individual performing the test. Within 30 days of completion of the required tests, the report shall be submitted to the Enforcement section of the Air Pollution Control Program, and a copy shall be sent to the Regional Office.

Operational Limitation:

- 1) *Prohibition Against Concurrent Operations Without Further APCP Review*
The rock crushing plant (099-0103) is prohibited from operating whenever any other plant(s) are located at this site as defined by the site map submitted by the permittee.
[Construction Permit 052005-022, Special Condition 6]
- 2) *Restriction on Process Configuration of Primary Emission Point(s)*
The maximum hourly design rate of the plant is equal to the sum of the design rate(s) of the primary emission point(s). Bussen Quarries - Antire Quarry BQ02 has designated the following unit(s) as the primary emission point(s) of the rock crushing plant: primary crusher (EP06).
[Construction Permit 052005-022, Special Condition 7]
- 3) *Restriction on Minimum Distance to Nearest Property Boundary*
The primary emission point of the rock crushing plant, which is the primary crusher (EP06), shall be located at least 1071 feet from the nearest property boundary whenever it is operating at this site.
[Construction Permit 052005-022, Special Condition 8]
- 4) *Restriction on use of diesel engines*
Bussen Quarries - Antire Quarry will run the plant with primary electrical power and not with diesel engines. If the installation chooses to use diesel engine(s), a new construction permit review would be required. [Construction Permit 052005-022, Special Condition 9]

Recordkeeping:

The operator(s) shall maintain all records required by this permit for not less than five (5) years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request. [Construction Permit 052005-022, Special Condition 10]

Reporting:

The operator(s) shall report to the Air Pollution Control Program (APCP) Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten (10) days after any exceedances of the limitations imposed by this permit. [Construction Permit 052005-022, Special Condition 11]

Permit Condition PW003

10 CSR 10-6.060 Construction Permits Required
Construction Permit No. 052005-022
10 CSR 10-6.065(2)(C) and 10 CSR 10-6.065(5)(A) Voluntary Limitation(s)

Emission Limitation:

Annual Emission Limit of Particulate Matter Less Than Ten Microns in Diameter (PM_{10})

[Construction Permit 052005-022, Special Condition 3]

- 1) The operator(s) shall ensure that Bussen Quarries - Antire Quarry BQ02's rock crushing plant emits less than 50 tons of PM_{10} into the atmosphere in any 12-month period.
- 2) To demonstrate compliance, the operator(s) shall maintain a daily record of material processed and PM_{10} . Attachment B, *Monthly PM_{10} Emissions Tracking Record*, or other equivalent form(s), will be used for this purpose.

Recordkeeping:

The operator(s) shall maintain all records required by this permit for not less than five (5) years and shall make them available immediately to any Missouri Department of Natural Resources' personnel upon request. [Construction Permit 052005-022, Special Condition 10]

Reporting:

The operator(s) shall report to the Air Pollution Control Program (APCP) Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten (10) days after any exceedances of the limitations imposed by this permit. [Construction Permit 052005-022, Special Condition 11]

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 as of the date that this permit is issued.

EU0010 through EU1100 Crushers, Feeder, Screens, Conveyors and Storage Bins			
Emission Unit	Description	Manufacturer/Model #	2006 EIQ Reference #
EU0010	30' Grizzly Feeder	Deister, Model #VGB 8430, Serial #64667	
EU0020	Primary Crusher, 30x42 Jaw	Cedarapids, Serial #41649	
EU0030	Primary Crusher	Hazemag, APP2022HGSK, Serial #HU1884	
EU0040	Screen – Seco 8X20	Seco, Serial #XL 1905	
EU0050	Screen – Seco 8X20	Seco, Serial #XL 2012	
EU0060	Screen – Seco 8X20	Seco, Serial #XL 2110	
EU0070	Screen – Pep VVIIM	Pep, Serial #97336	
EU0080	Screen – Diester Scalper BXHM-3824-03T	Diester, Serial #1010599	
EU0090	Screen – Diester Circuit BHM-4824-03T	Diester, Serial #1620500	
EU0100	Screen – Diester Circuit BHM-4824-03T	Diester, Serial #1620501	
EU0110	Secondary Crusher – Impact Crusher	Bhringer HS21, Serial #121351789458	
EU0120	Secondary Crusher – Nordberg 1560 Omnicone, Compression	Nordberg, Serial #1560000320	
EU0130	Secondary Crusher – Metso HP500 STD. Cone	Metso, Serial #123378	
EU0140	Tertiary Crusher – Metso HP300 SH Cone	Metso, Serial #123378	
EU0150	Tertiary Crusher – Metso HP500 SH Cone	Metso, Serial #123332	
EU0160	Storage Bin – Grace Single Axle 50 Ton	Grace, Serial #9711391	
EU0170	Storage Bin – Grace Single Axle 50 Ton	Grace, Serial #9711392	
EU0180	Surge Bin – Grasan Dual Axle 100 Ton	Grasan, Model HF038, Serial #9711391	
EU0190	Conveyor – Plant #1	Marco, Serial #67999-1	
EU0200	Conveyor – Plant #1	Marco, Serial #67999-2	
EU0210	Conveyor	PMI, Serial #644790 Jaw	
EU0220	Conveyor	Marco 76057.1	
EU0230	Conveyor	Marco 76057.2	
EU0240	Conveyor	Marco 76057.3	
EU0250	Conveyor	PMI, Serial #612790	
EU0260	Conveyor	PMI, Serial #656790	
EU0270	Conveyor	PMI, Serial #657790	
EU0280	Conveyor	PMI, Serial #658790	
EU0290	Conveyor	Homemade BQ994	
EU0300	Conveyor	Marco, Serial #73915	
EP0310	Conveyor	PMI, Serial #613790	

EU0320	Conveyor	Shopebuilt #1	
EU0330	Conveyor	PMI, Serial #619790	
EU0340	Conveyor	Homebuilt #2	
EU0350	Conveyor	Peerless, Serial #20838A	
EU0360	Conveyor	PMI, Serial #0142411288	
EU0370	Conveyor	PMI, Serial #024251288	
EU0380	Conveyor	PMI, Serial #4261288	
EU0390	Conveyor	BCC, Serial #84-6-3	
EU0400	Conveyor	PMI, Serial #629890	
EU0410	Conveyor	Peerless, Serial #20838B	
EU0420	Conveyor	PMI, Serial #616790	
EU0430	Conveyor	BCC, Serial #84-6-2	
EU0440	Conveyor	PMI, Serial #614790	
EU0450	Conveyor	PMI, Serial #618790	
EU0460	Conveyor	PMI, Serial #617790	
EU0470	Conveyor	PMI, Serial #615790	
EU0480	Conveyor	PEP, Serial #97336	
EU0490	Conveyor (30" Width)	Grace, Serial #9711392	
EU0500	Conveyor (30" Width)	Grace, Serial #9711391	
EU0510	Conveyor (42" Width)	Grace, Serial #9711392	
EU0520	Conveyor (42" Width)	Grace, Serial #9711391	
EU0530	Conveyor	Homemade	
EU0540	Conveyor	Marco, Serial #82857-1	
EU0550	Conveyor	Marco, Serial #83951-1	
EU0560	Conveyor	Marco, Serial #83951-2	
EU0570	Conveyor	Marco, Serial #84411-1	
EU0580	Conveyor	Marco, Serial #84411-2	
EU0590	Conveyor	Marco, Serial #85026-1	
EU0600	Conveyor	Marco, Serial #85026-2	
EU0610	Conveyor	Shop #3	
EU0620	Conveyor	Marco, Serial #85615-1	
EU0630	Angle Iron Truss Field Conveyor	PMI, Serial #627790 80'	
EU0640	Angle Iron Truss Field Conveyor	PMI, Serial #660890 65'	
EU0650	800VSD Belt Feeder	Marco, Serial #85716-B	
EU0660	Model 540 80' Stacker	Marco, Serial #85716-2	
EU0670	Model 540 100' Stacker	Marco, Serial #85716-3	
EU0680	Model 550 PB Field Conveyor	Marco, Serial #85716-1	
EU0690	Conveyor #C1, Impactor Discharger		
EU0700	Conveyor #C2, PRI Transfer Conveyor		
EU0710	Conveyor #C3, East Surge Pile Feed		
EU0720	Conveyor #C4, West Surge Pile Feed		
EU0730	Conveyor #C6, Surge Tnl/Sclp Scn Feed		
EU0740	Conveyor #C7, Scalping Scn Thrus		
EU0750	Conveyor #C8, Sizing Scn Thrus		
EU0760	Conveyor #C9, Scn Plt Cross Conv #1		
EU0770	Conveyor #C10, Scn Plt Cross Conv #2		
EU0780	Conveyor #C11, Scn Plt Cross Conv #3		
EU0790	Conveyor #C12, Scn Plt Cross Conv #4		
EU0800	Conveyor #C16, Scn Plt Cross Conv #5		

EU0810	Conveyor #C17, Scn Plt Cross Conv #6		
EU0820	Conveyor #C19, Scn Plt Cross Conv #7		
EU0830	Conveyor #C18, Sizing Screen Feed		
EU0840	Conveyor #C20, Transfer #1 – To Std Cone		
EU0850	Conveyor #C23, Transfer #2 – To SH Cone		
EU0860	Conveyor #C24, Transfer #3 – To Scn/Scrw		
EU0870	Conveyor #C21, Transfer #4 – To Base		
EU0880	Conveyor #C37, Transfer #4A – To Log Plt		
EU0890	Conveyor #C40, Transfer #5 – To Finish Plt		
EU0900	Conveyor #C22, Base Stacker		
EU0910	Conveyor #C14, Oversize Field		
EU0920	Conveyor #C15, Oversize Stacker		
EU0930	Conveyor #C38, 1¼” x 1” Field		
EU0940	Conveyor, 1¼” x 1” Stacker		
EU0940	Conveyor #C25, Screening Field		
EU0950	Conveyor #C27, Screening Stacker		
EU0960	Conveyor #C26, Mfg Sand Field		
EU0970	Conveyor #C28, Mfg Sand Stacker		
EU0980	Conveyor #C13, Screw Field		
EU0990	Conveyor #C29, Finish Screen Field		
EU1000	Conveyor #C30, Finish Screen Thrus		
EU1010	Conveyor #C39, Finish Screen Return		
EU1020	Conveyor #C41, Log Washer Feed		
EU1030	Conveyor #C31, Concrete Field		
EU1040	Conveyor #C32, West Chips Field		
EU1050	Conveyor #C33, East Chips Field		
EU1060	Conveyor #C34, Concrete Stacker		
EU1070	Conveyor #C35, West Chips Stacker		
EU1080	Conveyor #C36, East Chips Stacker		
EU1090	HI-G Product Field Conveyor		
EU1100	HI-G Product Stacker Conveyor		

Permit Condition EU0010-001 through EU1100-001

10 CSR 10-6.070
New Source Performance Regulations
40 CFR Part 60 Subpart OOO
Standards of Performance for Nonmetallic Minerals Processing Plants

Emission Limitation:

- 1) Storage Bins, Screens and Conveyors (Transfer Points):
On and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup as required under §60.11 of this part, no owner or operator subject to the provisions of this subpart shall cause to be discharged into the atmosphere from any transfer point on belt conveyors or from any other affected facility any fugitive emissions which exhibit greater than 10 percent opacity, except as provided in paragraphs (c), (d), and (e) of §672. [40 CFR 60.672(b)]
- 2) Crushers:
On and after the sixtieth day after achieving the maximum production rate at which the affected facility will be operated, but not later than 180 days after initial startup as required under §60.11 of this part, no owner or operator shall cause to be discharged into the atmosphere from any crusher, at which a capture system is not used, fugitive emissions which exhibit greater than 15 percent opacity. [40 CFR 60.672(c)]

Test Methods and Procedures:

- 1) In determining compliance with the particulate matter standards in §60.672(b) and (c), the owner or operator shall use Method 9 and the procedures in §60.11, with the following additions:
[40 CFR 60.673(c)(1)]
 - a) The minimum distance between the observer and the emission source shall be 4.57 meters (15 feet). [40 CFR 60.673(c)(1)(i)]
 - b) 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, Section 2.1) must be followed. [40 CFR 60.673(c)(1)(ii)]
 - c) 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. [40 CFR 60.673(c)(1)(iii)]
- 2) When determining compliance with the fugitive emissions standard for any affected facility described under §60.672(b) of this subpart, the duration of the Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply: [40 CFR 60.673(c)(3)]
 - a) There are no individual readings greater than 10 percent opacity; and [40 CFR 60.673(c)(3)(i)]
 - b) There are no more than 3 readings of 10 percent for the 1-hour period. [40 CFR 60.673(c)(1)(ii)]
- 3) When determining compliance with the fugitive emissions standard for any crusher at which a capture system is not used as described under §60.672(c) of this subpart, the duration of the Method 9 observations may be reduced from 3 hours (thirty 6-minute averages) to 1 hour (ten 6-minute averages) only if the following conditions apply: [40 CFR 60.673(c)(4)]
 - a) There are no individual readings greater than 15 percent opacity; and [40 CFR 60.673(c)(4)(i)]
 - b) There are no more than 3 readings of 15 percent for the 1-hour period. [40 CFR 60.673(c)(4)(ii)]

- 4) The owner or operator may use the following as alternatives to the reference methods and procedures specified in §673(c), 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: [40 CFR 60.673(e)(1)]
 - a) Use for the combined emission stream the highest fugitive opacity standard applicable to any of the individual affected facilities contributing to the emissions stream. [40 CFR 60.673(e)(1)(i)]
 - b) Separate the emissions so that the opacity of emissions from each affected facility can be read. [40 CFR 60.673(e)(1)(ii)]

Monitoring:

- 1) The permittee shall conduct opacity readings on the emission unit(s) using the procedures contained in USEPA Test Method 22. At a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, observer position relative to lighting, wind and the presence of uncombined water. Readings are only required when the emission unit(s) 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.
- 2) The following monitoring schedule must be maintained:
 - a) Observations must be made once per month. If a violation is noted, then
 - b) Weekly observations shall be conducted for a minimum of eight (8) consecutive weeks. Should no violation of this regulation be observed during this period then monitoring reverts to monthly monitoring.
- 3) The permittee shall conduct an annual opacity measurement on the emission units by USEPA Test Method 9 with a certified Method 9 observer using the test methods and procedures described above

Record keeping:

- 1) The permittee shall maintain records of all observation results (see Attachment C or D), noting:
 - a) Whether any air emissions (except for water vapor) were visible from the emission units,
 - b) All emission units from which visible emissions occurred, and
 - c) Whether the visible emissions were normal for the process.
 - d) The permittee shall maintain records of any equipment malfunctions.
- 2) The permittee shall maintain records of any other Method 9 test performed in accordance with this permit condition. (See Attachment E)
- 3) Attachments C or D, and E contain logs including these record keeping requirements. These logs, or an equivalent created by the permittee, must be used to certify compliance with this requirement.

Reporting:

- 1) The permittee shall report to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the permittee determined using the Method 9 test that the emission unit(s) exceeded the opacity limit.
- 2) Reports of any deviations from monitoring, record keeping and reporting requirements of this permit condition shall be submitted annually in the annual compliance certification and monitoring report, as required by Section V of this permit.

IV. 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 as of the date that this permit is issued.

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 10-5.040 Use of Fuel in Hand-Fired Equipment Prohibited

It shall be unlawful to operate any hand-fired fuel-burning equipment in the St. Louis, Missouri metropolitan area. This regulation shall apply to all fuel-burning equipment including, but not limited to, furnaces, heating and cooking stoves and hot water furnaces. It shall not apply to wood-burning fireplaces and wood-burning stoves in dwellings, nor to fires used for recreational purpose, nor to fires used solely for the preparation of food by barbecuing. Hand-fired fuel-burning equipment is any stove, furnace, or other fuel-burning device in which fuel is manually introduced directly into the combustion chamber.

10 CSR 10-5.060 Refuse Not to be Burned in Fuel Burning Installations (Contained in State Implementation Plan)

No person shall burn or cause or permit the burning of refuse in any installation which is designed for the primary purpose of burning fuel.

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:
 - (1) 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;
 - (2) 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;
 - (3) The burning shall take place only between the daytime hours of 10:00 a.m. and 3:30 p.m.; and
 - (4) 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) Antire Quarry 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 Antire Quarry 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 10-5.160 Control of Odors in the Ambient Air

No person shall emit odorous matter as to cause an objectionable odor on or adjacent to:

- 1) Residential, recreational, institutional, retail sales, hotel or educational premises.
- 2) Industrial premises when air containing odorous matter is diluted with 20 or more volumes of odor-free air; or
- 3) Premises other than those in 1. and 2 above when air containing odorous matter is diluted with four or more volumes of odor-free air.

The previously mentioned requirement shall apply only to objectionable odors. An odor will be deemed objectionable when 30% or more of a sample of the people exposed to it believe it to be objectionable in usual places of occupancy; the sample size to be at least 20 people or 75% of those exposed if fewer than 20 people are exposed. **This requirement is not federally enforceable.**

10 CSR 10-5.240 Additional Air Quality Control Measures May be Required When Sources Are Clustered in a Small Land Area

The Air Conservation Commission may prescribe more restrictive air quality control requirements that are more restrictive and more extensive than provided in regulations of general application for:

- 1) Areas in which there are one or more existing sources and/or proposed new sources of particulate matter in any circular area with a diameter of two miles (including sources outside metropolitan area) from which the sum of particulate emissions allowed from these sources by regulations of general application are or would be greater than 2000 tons per year or 500 pounds per hour.
- 2) Areas in which there are one or more existing sources and/or proposed new sources of sulfur dioxide in any circular area with a diameter of two miles from which the sum of sulfur dioxide emissions from these sources allowed by regulations of general application are or would be greater than 1000 tons for any consecutive three months or 1000 pounds per hour.

10 CSR 10-6.100 Alternate Emission Limits

Proposals for alternate emission limitations shall be submitted on Alternate Emission Limits Permit forms provided by the department. An installation owner or operator must obtain an Alternate Emission Limits Permit in accordance with 10 CSR 10-6.100 before alternate emission limits may become effective.

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 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.

V. 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

None

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, Kansas 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 Steve Pfaff, Geologist. 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) MDNR 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.

Attachment D

40 CFR Part 60 Subpart OOO – §60.672 Compliance Demonstration

This attachment or an equivalent may be used to help meet the record keeping requirements of the Visible Emissions Permit Conditions.

Method 22 (Outdoor) Observation Log		
Emission Unit		
Observer	Date	
Sky Conditions		
Precipitation		
Wind Direction	Wind Speed	
Sketch process unit: Indicate the position relative to the source and sun; mark the potential emission points and/or the observing emission points.		
Observation Clock Time	Observation Period Duration (minute:second)	Accumulative Emission Time (minute:second)
Begin Observation		
End Observation		

Attachment E

**40 CFR Part 60 Subpart OOO – §60.672 Compliance Demonstration
 Method 9 Visual Determination of Opacity**

This attachment or an equivalent may be used to help meet the record keeping requirements of Method 9 Opacity Emissions Observations.

Method 9 Opacity Emissions 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 AA

Best Management Practices (BMPs)- Construction Industry Fugitive Emissions

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

For Haul Roads:

1. Pavement of Road Surfaces –
 - A. The operator(s) may pave all or any portion of the haul roads with materials such as asphalt, concrete, and/or other material(s) after receiving approval from the program. The pavement will be applied in accordance with industry standards for such pavement so as to achieve “Control of Fugitive Emissions ” while the plant is operating.
 - B. Maintenance and/or repair of the road surface will be conducted as necessary to ensure that the physical integrity of the pavement is adequate to achieve control of fugitive emissions from these areas while the plant is operating.
 - C. The operator(s) shall periodically water, wash and/or otherwise clean all of the paved portions of the haul road(s) as necessary to achieve control of fugitive emissions from these areas while the plant is operating.
2. Usage of Chemical Dust Suppressants –
 - A. The operator(s) shall apply a chemical dust suppressant (such as magnesium chloride, calcium chloride, lignosulfonates, etc.) to all the unpaved portions of the haul roads. The suppressant will be applied in accordance with the manufacturer’s suggested application rate (if available) and re-applied as necessary to achieve control of fugitive emissions from these areas while the plant is operating.
 - B. The quantities of the chemical dust suppressant shall be applied, re-applied and/or maintained sufficient to achieve control of fugitive emissions from these areas while the plant is operating.
 - C. The operator(s) shall record the time, date and the amount of material applied for each application of the chemical dust suppressant agent on the above areas. The operator(s) shall keep these records with the plant for not less than five (5) years, and the operator(s) shall make these records available to Department of Natural Resources personnel upon request.
3. Usage of Documented Watering –
 - A. The operator(s) shall control the fugitive emissions from all the unpaved portions of the haul roads at the installation by consistently and correctly using the application of a water spray. Documented watering will be applied in accordance with a recommended application rate of 100 gallons per day per 1,000 square feet of unpaved/untreated surface area of haul roads as necessary to achieve control of fugitive emissions from these areas while the plant is operating. For example, the operator(s) shall calculate the total square feet of unpaved vehicle activity area requiring control on any particular day, divide that product by 1,000, and multiply the quotient by 100 gallons for that day.
 - B. The operator(s) shall maintain a log that documents daily water applications. This log shall include, but is not limited to, date and volumes (e.g., number of tanker applications and/or total gallons used) of water application. The log shall also record rationale for not applying water on day(s) the plant is in operation (e.g., meteorological situations, precipitation events, freezing, etc.).
 - C. Meteorological precipitation of any kind, (e.g. a quarter inch or more rainfall, sleet, snow, and/or freeze thaw conditions) which is sufficient in the amount or condition to achieve control of fugitive emissions from these areas while the plant is operating.
 - D. Watering may also be suspended when the ground is frozen, during periods of freezing conditions when watering would be inadvisable for traffic safety reasons, or when there will be no traffic on the roads. The operator(s) shall record a brief description of such events in the same log as the documented watering.
 - E. The operator(s) shall record the date and the amount of water applied for each application on the above areas. The operator(s) shall keep these records with the plant for not less than five (5) years, and the operator(s) shall make these records available to Department of Natural Resources personnel upon request.

Attachment AA: **BMPs** (*Continued*)

For Vehicle Activity Areas around Open Storage Piles:

1. Pavement of Stockpile Vehicle Activity Surfaces –
 - A. The operator(s) may pave all or any portion of the vehicle activity areas around the storage piles with materials such as asphalt, concrete, and/or other material(s) after receiving approval from the program. The pavement will be applied in accordance with industry standards for such pavement so as to achieve control of fugitive emissions while the plant is operating.
 - B. Maintenance and/or repair of the road surface will be conducted as necessary to ensure that the physical integrity of the pavement is adequate to achieve control of fugitive emissions from these areas while the plant is operating.
 - C. The operator(s) shall periodically water, wash and/or otherwise clean all of the paved portions of the vehicle activity areas around the storage piles as necessary to achieve control of fugitive emissions from these areas while the plant is operating.
2. Usage of Chemical Dust Suppressants –
 - A. The operator(s) shall apply a chemical dust suppressant (such as magnesium chloride, calcium chloride, lignosulfonates, etc.) to all the vehicle activity areas around the open storage piles. The suppressant will be applied in accordance with the manufacturer's suggested application rate (if available) and re-applied as necessary to achieve control of fugitive emissions from these areas while the plant is operating.
 - B. The quantities of the chemical dust suppressant shall be applied, re-applied and/or maintained sufficient to achieve control of fugitive emissions from these areas while the plant is operating.
 - C. The operator(s) shall record the time, date and the amount of material applied for each application of the chemical dust suppressant agent on the above areas. The operator(s) shall keep these records with the plant for not less than five (5) years, and the operator(s) shall make these records available to Department of Natural Resources personnel upon request.
3. Usage of Documented Watering –
 - A. The operator(s) shall control the fugitive emissions from all the vehicle activity areas around the storage piles at the installation by consistently and correctly using the application of a water spray. Documented watering will be applied in accordance with a recommended application rate of 100 gallons per day per 1,000 square feet of unpaved/untreated surface area of vehicle activity areas around the storage piles as necessary to achieve control of fugitive emissions from these areas while the plant is operating. (Refer to example for documented watering of haul roads.)
 - B. The operator(s) shall maintain a log that documents daily water applications. This log shall include, but is not limited to, date and volumes (e.g., number of tanker applications and/or total gallons used) of water application. The log shall also record rationale for not applying water on day(s) the plant is in operations (e.g., meteorological situations, precipitation events, freezing, etc.)
 - C. Meteorological precipitation of any kind, (e.g. a quarter inch or more rainfall, sleet, snow, and/or freeze thaw conditions) which is sufficient in the amount or condition to achieve control of fugitive emissions from these areas while the plant is operating.
 - D. Watering may also be suspended when the ground is frozen, during periods of freezing conditions when watering would be inadvisable for traffic safety reasons, or when there will be no traffic on the roads. The operator(s) shall record a brief description of such events in the same log as the documented watering.
 - E. The operator(s) shall record the date and the amount of water applied for each application on the above areas. The operator(s) shall keep these records with the plant for not less than five (5) years, and the operator(s) shall make these records available to Department of Natural Resources personnel upon request.

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 August 6, 2007;
- 2) 2006 Emissions Inventory Questionnaire, received June 13, 2007; and
- 3) 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.

None.

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 10-6.080, *Emission Standards for Hazardous Air Pollutants, Subpart M, National Standards for Asbestos*; and

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

In the permit application and according to APCP records, there was no indication that any Missouri Air Conservation Law, Asbestos Abatement, 643.225 through 643.250; 10 CSR 10-6.080, *Emission Standards for Hazardous Air Pollutants, Subpart M, National Standards for Asbestos*; and 10 CSR 10-6.250, *Asbestos Abatement Projects - Certification, Accreditation, and Business Exemption Requirements* apply to this installation. The installation is subject to these regulations if they undertake any projects that deal with or involve any asbestos containing materials. None of the installation's operating projects underway at the time of this review deal with or involve asbestos containing material. Therefore, the above regulations were not cited in the operating permit. If the installation should undertake any construction or demolition projects in the future that deal with or involve any asbestos containing materials, the installation must follow all of the applicable requirements of the above rules related to that specific project.

10 CSR 10-6.400, *Restriction of Emission of Particulate Matter from Industrial Processes*

This regulation restricts the emission of particulate matter in the source gas of an operation or activity except where 10 CSR 10-3.060 and/or 10 CSR 10-6.070 would be applied. This regulation does not apply to this installation because 10 CSR 10-6.070 applies to the installation and due to the nature of the operation, where 10 CSR 10-6.400(1)(B)(2) exempts the grinding, crushing and classifying operations at a rock quarry.

Construction Permit Revisions

Construction Permit 052005-022

The conditions of construction permit 052005-022 that was issued to the installation on May 23, 2005 supersede all special conditions found in the previously issued construction permit(s) (1194-007, 0696-018, 0698-030) from the Air Pollution Control Program. Construction permit 052005-022 has been incorporated by reference into this permit.

New Source Performance Standards (NSPS) Applicability

10 CSR 10-6.070, *New Source Performance Regulations*

40 CFR Part 60, Subpart OOO, *Standards of Performance for Nonmetallic Mineral Processing Plants*

40 CFR 60 Subpart OOO is applicable to the installation. The rule applies to each crusher, grinding mill, screening operation, bucket elevator, belt conveyor, storage bin, enclosed truck or rail loading station for which for construction, reconstruction, or modification commenced after August 31, 1983. Storage piles, haul roads and drilling operations are exempted from requirements of this subpart.

1. Though the following equipment were constructed after the applicability date of Subpart OOO, they are not subject to the provisions of §§60.672, 60.674, and 60.675 because they are like for like replacements:
 - Universal 4560 Impactmaster, S/N 616x69 Primary Crusher replacement for 1971 crusher;
 - Norberg HP300 S/N 30310550 Secondary Crusher replacement for 1949 crusher;
2. The following equipment were constructed prior to the applicability date of Subpart OOO:
 - Screen (EP7) – Simplicity S/N 2514-M14C-5-1486-S, constructed in 1970
 - Screen (EP8) – Simplicity S/N 3516-M14C-5-1485-S, constructed in 1970
 - Screen (EP8) – Simplicity S/N 3516-M14C-5-1484-S, constructed in 1970
 - Screen (EP8) – Portec S/N 512-6B-129, constructed in 1955
 - Eight (8) Storage Bins #1 Homemade, Constructed in 1972
 - Feed Hopper #1 Homemade, Constructed in 1972
 - Feed Hopper #2 Homemade, Constructed in 1972
 - Conveyor – Marco S/N 26140-1 Plant #1, Constructed 1971
 - Conveyor – Marco S/N 26140-2 Plant #1, Constructed 1971
 - Conveyor – Marco S/N 26140-3 Plant #1, Constructed 1971
 - Conveyor – Marco S/N 27826 Plant #1, Constructed 1972
 - Conveyor – Marco S/N 28844-1 Plant #1, Constructed 1972
 - Conveyor – Marco S/N 28844-2 Plant #1, Constructed 1972
 - Conveyor – Marco 151-1 Plant #1, Constructed 1966
 - Conveyor – Marco S/N 42732 Plant #1, Constructed 1978
 - Conveyor – L.B Smith S/N 36100C-517 Plant #2, Constructed 1979

- Conveyor – L.B Smith S/N 36100C-515 Plant #2, Constructed 1979
- Conveyor – Marco 151-2 Plant #2, Constructed 1966
- Conveyor – Rex Chain Drive S/N 803-30APR780 Plant #2, Constructed 1980

Maximum Available Control Technology (MACT) Applicability

None.

National Emission Standards for Hazardous Air Pollutants (NESHAP) Applicability

See “Other Air Regulations Determined Not to Apply to the Operating Permit” section of the statement of basis

Other Regulatory Determinations

Crushers, Feeder, Screens, Conveyors and Storage Bins listed as units without limitation:

The sources listed as units without limitation are fugitive sources that do not emit regulated pollutants from a discrete stack or vent. These sources emit particulate matter directly into the ambient air. These sources are not subject to any specific rule except the plant wide conditions of construction permit 052005-022 and 10 CSR 10-6.170 of the Core Permit Requirements section.

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 APCP a schedule for achieving compliance for that regulation(s).

Prepared by:

Berhanu A. Getahun
Environmental Engineer