



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: OP2007-057
Expiration Date: NOV 25 2012
Installation ID: 027-0010
Project Number: 2002-06-037

Installation Name and Address

A.P. Green Industries, Inc.
111 St. Eunice Road
Fulton, MO 65251
Callaway County

Parent Company's Name and Address

A.P. Green Industries, Inc.
400 Fairway Drive
Moon Township, PA 15108

Installation Description:

A.P. Green Industries, Inc. is a manufacturer of high alumina brick, used in the working linings of steel making furnaces such as electric arc furnaces and steele ladles, rotary kilns used in the manufacture of cement and quick lime and many other applications where heat needs to be contained. The plant activities include the crushing, grinding and screening of raw materials, batching, pressing, firing, packaging and shipment of finished goods to the customer

NOV 26 2007

Effective Date

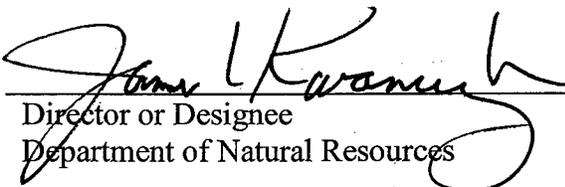

Director or Designee
Department of Natural Resources

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I. Installation Description and Equipment Listing

INSTALLATION DESCRIPTION

A.P. Green Industries, Inc. is a manufacturer of high alumina brick, used in the working linings of steel making furnaces such as electric arc furnaces and steele ladles, rotary kilns used in the manufacture of cement and quick lime and many other applications where heat needs to be contained. The plant activities include the crushing, grinding and screening of raw materials, batching, pressing, firing, packaging and shipment of finished goods to the customer

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)
2005	18.90	23.50	10.65	0.73	36.24	---	0.90
2004	18.08	22.64	10.27	0.70	34.92	---	0.87
2003	18.44	22.18	10.30	0.70	34.30	---	0.85
2002	19.76	23.16	11.97	2.43	36.50	---	0.95
2001	21.16	24.05	13.27	6.74	37.47	---	1.14

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
EU0010	Transfer Equipment
EU0020	VSI Crusher
EU0030	Bin
EU0040	Transfer Equipment
EU0050	Air Transporter
EU0060	Transfer Equipment
EU0070	Transfer Equipment
EU0080	Transfer Equipment
EU0090	Transfer Equipment
EU0100	Transfer Equipment
EU0110	Transfer Equipment
EU0120	Transfer Equipment
EU0130	Transfer Equipment
EU0140	Bulk Bag Dump Station
EU0150	East Ball Mill
EU0180	Transfer Equipment
EU0190	Transfer Equipment
EU0200	Crusher
EU0210	Mixer 1

EU0220	Mixer 2
EU0230	Mixer 3
EU0240	Mixer 4
EU0250	Mixer 5
EU0260	Mixer 6
EU0270	Batch Car
EU0280	Air Transport (Ball Clay Bin Vent A)
EU0290	Air Transport (TAF)
EU0300	Air Transport (Ball Clay Bin Vent B)
EU0310	Hammer Mill
EU0320	Air Heater
EU0330	Tunnel Dryers #1 and #2
EU0340	Air Heater
EU0350	Tunnel Dryers #3 and #4
EU0360	#1 Tunnel Kiln
EU0370	#2 Tunnel Kiln
EU0380	Tar Impregnation-Brick Preheater
EU0390	Tar Impregnation-Autoclave/Cooler
EU0400	Coking Oven
EU0410	Coking Oven Thermal Oxidizer
EU0420	Pallet Cleaner
EU0430	Pan Cleaner
EU0440	Transfer Equipment
EU0450	Screen
EU0460	Air Transport

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

Railcar Unloading – Hopper (fugitive emissions)
Railcar Unloading – Jaw Crusher (fugitive emissions)
Railcar Unloading – 4 Conveyors, Apron Feeder, Hopper (fugitive emissions)
Outside Clay Handling and Storage (fugitive emissions)
Hopper (fugitive emissions)
Space Heaters
Haul Road (fugitive emissions)
0.5 MMBtu/hr Tar Impregnation Pitch Heater
Two (2) 30,000 gallon LPG tanks
470 gallon diesel fuel tank
563 gallon gasoline tank
32,000 Btu/hr hot water heater
199,900 Btu/hr hot water heater
#1 and #2 tunnel kiln dryers roof air space vent
#3 and #4 tunnel kiln dryers roof air space vent

#1 tunnel kiln under car cooling air exhaust stack
#1 tunnel kiln excess hot air exhaust stack
Coking Oven product cooling hood vent stack
Coking Oven Emergency vent stack
Proceco mold wash unit
Hi-Vac plant dust vacuum system
Parts washers

DOCUMENTS INCORPORATED BY REFERENCE

These documents have been incorporated by reference into this permit.

1. Construction Permit 1090-009, Issued October 24, 1990.
2. Construction Permit 1095-029, Issued September 14, 1995.
3. Construction Permit 1098-020, Issued October 15, 1998.

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.

None.

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– Transfer Equipment			
Emission Unit	Description	Manufacturer/Model #	2003 EIQ Reference #
EU0010	Elevators: Two (2) Elevators, Hopper, Bin, Vibrating Feeder, and Two (2) Belt Conveyors; MHDR 35 ton/hr each; Controlled by Flex-Kleen dust Collector with 98% efficiency; Constructed in 1991	Screw Conveyor Corp./CEB 14724 (Elevators) Jeffrey/HP-300 (Vibrating Feeder) RAPAT CTR 2224/Apache (Belt Conveyors)	P-04

PERMIT CONDITION EU0010-001
 10 CSR 10-6.220
 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

1. 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%.
New source: any equipment, machine, device, article, contrivance or installation installed in the outstate Missouri area after February 24, 1971.
 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%.

Monitoring:

1. The permittee shall conduct opacity readings on this emission unit using the procedures contained in USEPA Test Method 22. At a minimum, the observer should be 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 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) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then-
 - b) Observations must be made once every two (2) weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then-

- c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.
3. If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Recordkeeping:

1. The permittee shall maintain records of all observation results (see Attachment A1 or A2), 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.
2. The permittee shall maintain records of any equipment malfunctions. (see Attachment B)
3. The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (see Attachment C)
4. Attachments A1 or A2, B and C 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.
5. These records shall be made available immediately for inspection to Department of Natural Resources personnel upon request.
6. All records shall be maintained for five years.

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.

PERMIT CONDITION EU0010-002

10 CSR 10-6.400

Restriction of Emission of Particulate Matter From Industrial Processes

Emission Limitation:

1. Particulate matter shall not be emitted from EU0010 in excess of 44.32 lb/hr.
This emission rate was calculated using the following equation:
 - a) For process weight rates of 60,000 lb/hr or less:
$$E = 4.10(P)^{0.67}$$

Where:
E = rate of emission in lb/hr
P = process weight rate in tons/hr
2. The concentration of particulate matter in the exhaust gases shall not exceed 0.30 gr/scf.

Monitoring/Recordkeeping:

1. The permittee shall retain the potential to emit calculations in Attachment D which demonstrate that the above emission limitations will not be exceeded.
2. The calculation shall be made available immediately for inspection to the Department of Natural Resources' personnel upon request.
3. All records shall be kept for a period of five years.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using annual compliance certification to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

EU0020– VSI Crusher			
Emission Unit	Description	Manufacturer/Model #	2003 EIQ Reference #
EU0020	Crusher; MHDR 35 tons/hr; Controlled by Fabrick Filter with 98% efficiency; Constructed in 1998, Replaced in 2005	Remco	P-03
EU0030	Bin; MHDR 35 tons/hr; Controlled by WW Sly with 98% efficiency; Constructed in 1966	Unknown	P-05
EU0040	Transfer Equipment: Elevator, Conveyor, and Bin; MHDR 6.0 tons/hr; Controlled by WW Sly with 98% efficiency; Constructed in 2004	Carrier	EP-05
EU0050	Air Transporter; MHDR 7.0 tons/hr; Controlled by WW Sly with 98% efficiency; Constructed in 1995	Cyclonaire	EP-05
EU0060	Transfer Equipment: Two (2) 12” diameter Screw Conveyors and a Bin; Controlled by WW Sly with 98% efficiency; Constructed in 1966	Unknown	EP-05
EU0070	Transfer Equipment: Skip Hoist and Hopper; MHDR 3.0 tons/hr; Controlled by WW Sly with 98% efficiency; Constructed in 1971	Unknown	EP-05
EU0080	Transfer Equipment: Hopper and 24” Belt Conveyor; MHDR 17.5 tons/hr; Controlled by WW Sly with 98% efficiency; Constructed in 1966	Unknown	EP-05
EU0090	Transfer Equipment: Hopper and 24” Belt Conveyor; MHDR 17.5 tons/hr; Controlled by WW Sly with 98% efficiency; Constructed in 1966	Unknown	EP-05
EU0100	Transfer Equipment: Hopper and 24” Belt Conveyor; MHDR 17.5 tons/hr; Controlled by WW Sly with 98% efficiency; Constructed in 1966	Unknown	EP-05
EU0110	Transfer Equipment: Hopper and 24” Belt Conveyor; MHDR 12.5 tons/hr; Controlled by WW Sly with 98% efficiency; Constructed in 1966	Unknown	EP-05
EU0120	Transfer Equipment: Hopper and 24” Belt Conveyor; MHDR 12.5 tons/hr; Controlled by WW Sly with 98% efficiency; Constructed in 1974	Unknown	EP-05
EU0130	Transfer Equipment: Hopper and Two (2) 24” Belt Conveyors; MHDR 12.5 tons/hr; Controlled by WW Sly with 98% efficiency; Constructed in 1974	Unknown	EP-05

EU0140	Bulk Bag Dump Station; MHDR 1.3 tons/hr; Controlled by WW Sly with 98% efficiency; Constructed in 1995	Unknown	EP-05
EU0150	East Ball Mill; MHDR 4.0 tons/hr; Controlled by Fabric Filter with 98 % efficiency; Constructed in 1966	Harding	EP-04
EU0180	Transfer Equipment: Chute, Two (2) 18" Belt Conveyors; MHDR 4.0 tons/hr; Controlled by Micropulsaire Filter with 98% efficiency; Constructed in 1974	Unknown	EP-30
EU0190	Transfer Equipment: 24" Belt Conveyor; MHDR 6.0 tons/hr; Controlled by Micropulsaire Filter with 98% efficiency; Constructed in 2004	Unknown	EP-30
EU0200	Crusher; MHDR 6.0 tons/hr; Controlled by Fabric Filter with 98% efficiency; Constructed in 2004	Unknown	EP-30
EU0210	Mixer 1; MHDR 17.5 tons/hr; Controlled by Micropulsaire Filter with 98% efficiency; Constructed in 1966	Simpson/3UD	EP-30
EU0220	Mixer 2; MHDR 17.5 tons/hr; Controlled by Micropulsaire Filter with 98% efficiency; Constructed in 1966	Simpson/3UD	EP-30
EU0230	Mixer 3; MHDR 17.5 tons/hr; Controlled by Micropulsaire Filter with 98% efficiency; Constructed in 1966	Simpson/3UD	EP-30
EU0240	Mixer 4; MHDR 12.5 tons/hr; Controlled by Micropulsaire Filter with 98% efficiency; Constructed in 1966	Simpson/2 1/2F	EP-30
EU0250	Mixer 5; MHDR 12.5 tons/hr; Controlled by Micropulsaire Filter with 98% efficiency; Constructed in 1974	Simpson/2 1/2F	EP-30
EU0260	Mixer 6; MHDR 12.5 tons/hr; Controlled by Micropulsaire Filter with 98% efficiency; Constructed in 1974	Simpson/2 1/2F	EP-30
EU0270	Batch Car; MHDR 30.0 tons/hr; Controlled by Torit Fabric Filter with 98% efficiency; Constructed in 1998	Star Eng.	EP-24
EU0280	Air Transport (Ball Clay Bin Vent A); MHDR 25.0 tons/hr; Controlled by Donaldson Fabric Filter with 98% efficiency; Constructed in 1966	Unknown	EP-25
EU0290	Air Transport (TAF); MHDR 25 tons/hr; Controlled by Donaldson Fabric Filter with 98% efficiency; Constructed in 1995	Unknown	EP-26

EU0300	Air Transport (Ball Clay Bin Vent B); MHDR 25 tons/hr; Controlled by Donaldson Fabric Filter with 98% efficiency; Constructed in 1966	Unknown	EP-27
EU0310	Hammer Mill (Williams Impact Mill); MHDR 4.5 tons/hr; Controlled by Griffen Env. Fabric Filter with 98% efficiency; Constructed in 1984	Williams/230NF	EP-18

PERMIT CONDITION (EU0020-EU0310)-001
 10 CSR 10-6.220
 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

1. No owner or other person shall cause or permit emissions to be discharged into the atmosphere from any **existing** (Emission Units EU0030, EU0060, EU0080, EU0090, EU0100, EU0110, EU0150, EU0210, EU0220, EU0230, EU0240, EU0280, EU0300) source any visible emissions with an opacity greater than 40%.
Existing source-any equipment, machine, device, article, contrivance or installation installed or in construction in the outstate Missouri area on February 24, 1971.
 Exception: If the source is altered, repaired, or rebuilt at a cost of fifty percent (50%) or more of its replacement cost exclusive of routine maintenance, it shall no longer be existing, but shall be considered new as defined in this regulation.
2. No owner or other person shall cause or permit emissions to be discharged into the atmosphere from any **new** source (Emission Units EU0020, EU0040, EU0050, EU0070, EU0120, EU0130, EU0140, EU0180, EU0190, EU0200, EU0250, EU0260, EU0270, EU0290, EU0310) any visible emissions with an opacity greater than 20%.
New source: any equipment, machine, device, article, contrivance or installation installed in the outstate Missouri area after February 24, 1971.
3. Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring:

1. The permittee shall conduct opacity readings on this emission unit using the procedures contained in USEPA Test Method 22. At a minimum, the observer should be 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 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) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then-

- b) Observations must be made once every two (2) weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then-
 - c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.
3. If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Recordkeeping:

1. The permittee shall maintain records of all observation results (see Attachment A1 or A2), 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.
2. The permittee shall maintain records of any equipment malfunctions. (see Attachment B)
3. The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (see Attachment C)
4. Attachments A1 or A2, B and C 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.
5. These records shall be made available immediately for inspection to Department of Natural Resources personnel upon request.
6. All records shall be maintained for five years.

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.

EU0320– Air Heater			
Emission Unit	Description	Manufacturer/Model #	2003 EIQ Reference #
EU0320	Air Heater (Williams Impact Mill); MHDR 3.5 MMBtu/hr; Constructed in 1984	Williams	EP-18

<p style="text-align: center;">PERMIT CONDITION EU0320-001 10 CSR 10-6.260 Restriction of Emission of Sulfur Compounds</p>

Emission Limitation/Operational Limitation/Equipment Specifications:

The emission unit shall be limited to burning pipeline grade natural gas.

Monitoring/Recordkeeping:

Documentation supporting the fuel used is pipeline grade natural gas.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the annual compliance certification to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

EU0330– Tunnel Dryers			
Emission Unit	Description	Manufacturer/Model #	2003 EIQ Reference #
EU0330	Tunnel Dryers #1 and #2; MHDR 10.3 tons/hr; no control device; Constructed in 1966	Hendrxxy	EP-13

<p align="center">PERMIT CONDITION EU0330-001 10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants</p>
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Emission Limitation:

1. 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%.
Existing source-any equipment, machine, device, article, contrivance or installation installed or in construction in the outstate Missouri area on February 24, 1971.
Exception: If the source is altered, repaired, or rebuilt at a cost of fifty percent (50%) or more of its replacement cost exclusive of routine maintenance, it shall no longer be existing, but shall be considered new as defined in this regulation.
2. Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring:

1. The permittee shall conduct opacity readings on this emission unit using the procedures contained in USEPA Test Method 22. At a minimum, the observer should be 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 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) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then-
 - b) Observations must be made once every two (2) weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then-
 - c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.
3. If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Recordkeeping:

1. The permittee shall maintain records of all observation results (see Attachment A1 or A2), 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.

2. The permittee shall maintain records of any equipment malfunctions. (see Attachment B)
3. The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (see Attachment C)
4. Attachments A1 or A2, B and C 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.
5. These records shall be made available immediately for inspection to Department of Natural Resources personnel upon request.
6. All records shall be maintained for five years.

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.

PERMIT CONDITION EU0330-002

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

Emission Limitation:

1. Particulate matter shall not be emitted from EU00330 in excess of 19.56 lb/hr.
This emission rate was calculated using the following equation:
 - a) For process weight rates of 60,000 lb/hr or less:
$$E = 4.10(P)^{0.67}$$

Where:
E = rate of emission in lb/hr
P = process weight rate in tons/hr
2. The concentration of particulate matter in the exhaust gases shall not exceed 0.30 gr/scf.

Monitoring/Recordkeeping:

1. The permittee shall retain the potential to emit calculations in Attachment D which demonstrate that the above emission limitations will not be exceeded.
2. The calculation shall be made available immediately for inspection to the Department of Natural Resources' personnel upon request.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the annual compliance certification to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

EU0340– Air Heater			
Emission Unit	Description	Manufacturer/Model #	2003 EIQ Reference #
EU0340	Air Heater; MHDR 4.2 MMBtu/hr; no control device; Constructed in 2002	Unknown	EP-13 & 14

<p align="center">PERMIT CONDITION EU0320-001 10 CSR 10-6.260 Restriction of Emission of Sulfur Compounds</p>
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Emission Limitation/Operational Limitation/Equipment Specifications:

The emission unit shall be limited to burning pipeline grade natural gas.

Monitoring/Recordkeeping:

Documentation supporting the fuel used is pipeline grade natural gas.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the annual compliance certification to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

EU0350– Tunnel Dryers			
Emission Unit	Description	Manufacturer/Model #	2003 EIQ Reference #
EU0350	Tunnel Dryers #3 and #4; MHDR 10.3 tons/hr; no control device; Constructed in 1966	Hendrxy	EP-14

<p align="center">PERMIT CONDITION EU0350-001 10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants</p>
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Emission Limitation:

1. 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%.
Existing source-any equipment, machine, device, article, contrivance or installation installed or in construction in the outstate Missouri area on February 24, 1971.
Exception: If the source is altered, repaired, or rebuilt at a cost of fifty percent (50%) or more of its replacement cost exclusive of routine maintenance, it shall no longer be existing, but shall be considered new as defined in this regulation.
2. Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring:

1. The permittee shall conduct opacity readings on this emission unit using the procedures contained in USEPA Test Method 22. At a minimum, the observer should be 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 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) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then-
 - b) Observations must be made once every two weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then-
 - c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.
3. If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Recordkeeping:

1. The permittee shall maintain records of all observation results (see Attachment A1 or A2), 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.

2. The permittee shall maintain records of any equipment malfunctions. (see Attachment B)
3. The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (see Attachment C)
4. Attachments A1 or A2, B and C 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.
5. These records shall be made available immediately for inspection to Department of Natural Resources personnel upon request.
6. All records shall be maintained for five years.

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.

PERMIT CONDITION EU0350-002

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

Emission Limitation:

1. Particulate matter shall not be emitted from EU00350 in excess of 19.56 lb/hr.
This emission rate was calculated using the following equation:
 - a) For process weight rates of 60,000 lb/hr or less:
$$E = 4.10(P)^{0.67}$$

Where:
E = rate of emission in lb/hr
P = process weight rate in tons/hr
2. The concentration of particulate matter in the exhaust gases shall not exceed 0.30 gr/scf.

Monitoring/Recordkeeping:

1. The permittee shall retain the potential to emit calculations in Attachment D which demonstrate that the above emission limitations will not be exceeded.
2. The calculation shall be made available immediately for inspection to the Department of Natural Resources' personnel upon request.
3. All records shall be kept for a period of five years.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the annual compliance certification to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

EU0360 and EU0370– #1 and #2 Tunnel Kilns			
Emission Unit	Description	Manufacturer/Model #	2003 EIQ Reference #
EU0360	#1 Tunnel Kiln; MHDR 10.3 tons/hr; Natural Gas Fired; 27.95 MMBtu/hr; Constructed in 1966; LPG (Propane) to be used as back up fuel source.	Hendrxxy	EP-09
EU0370	#2 Tunnel Kiln; MHDR 10.3 tons/hr; Natural Gas Fired; 27.95 MMBtu/hr; Constructed in 1966; LPG (Propane) to be used as back up fuel source.	Hendrxxy	EP-10

PERMIT CONDITION (EU0360 through EU0370)-001
 10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

- 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%.
Existing source-any equipment, machine, device, article, contrivance or installation installed or in construction in the outstate Missouri area on February 24, 1971.
 Exception: If the source is altered, repaired, or rebuilt at a cost of fifty percent (50%) or more of its replacement cost exclusive of routine maintenance, it shall no longer be existing, but shall be considered new as defined in this regulation.
- Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring:

- The permittee shall conduct opacity readings on this emission unit using the procedures contained in USEPA Test Method 22. At a minimum, the observer should be 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 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.
- The following monitoring schedule must be maintained:
 - Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then-
 - Observations must be made once every two weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then-
 - Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.
- If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Recordkeeping:

1. The permittee shall maintain records of all observation results (see Attachment A1 or A2), 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.
2. The permittee shall maintain records of any equipment malfunctions. (see Attachment B)
3. The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (see Attachment C)
4. Attachments A1 or A2, B and C 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.
5. These records shall be made available immediately for inspection to Department of Natural Resources personnel upon request.
6. All records shall be maintained for five years.

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.

PERMIT CONDITION (EU0360 through EU0370)-002

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

Emission Limitation:

1. Particulate matter shall not be emitted from EU00360 and EU0370 in excess of 19.56 lb/hr. This emission rate was calculated using the following equation:
 - a) For process weight rates of 60,000 lb/hr or less:
$$E = 4.10(P)^{0.67}$$
Where:
E = rate of emission in lb/hr
P = process weight rate in tons/hr
2. The concentration of particulate matter in the exhaust gases shall not exceed 0.30 gr/scf.

Monitoring/Recordkeeping:

1. The permittee shall retain the potential to emit calculations in Attachment D which demonstrate that the above emission limitations will not be exceeded.
2. The calculation shall be made available immediately for inspection to the Department of Natural Resources' personnel upon request.
3. All records shall be kept for a period of five years.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the annual compliance certification to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

PERMIT CONDITION (EU0360 through EU0370)-003

10 CSR 10-6.260 Restriction of Emission of Sulfur Compounds

Emission Limitation/Operational Limitation/Equipment Specifications:

The emission unit shall be limited to burning pipeline grade natural gas or liquified petroleum gas.

Monitoring/Recordkeeping:

Documentation supporting the fuel used is pipeline grade natural gas or liquified petroleum gas.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the annual compliance certification to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

PERMIT CONDITION (EU0360 through EU0370)-004

10CSR 10-6.065

Operating Permits

Voluntary Permit Condition, 10 CSR 10-6.065(6)(C)2.A

Emission Limitation:

1. The permittee shall limit the production of the tunnel kilns to 90,230 tons per year.
2. Crude/Ball Clay Additions shall be limited to 40% maximum in the refractory mix.

Monitoring/Recordkeeping:

1. Records shall be kept on site of the amount of material processed in the kilns, and the amount of rolling dry crude and ball clay tons used.
2. Both monthly and the rolling 12-month totals must be shown.
3. These records shall be made available immediately to Department of Natural Resources' personnel upon verbal request.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the annual compliance certification to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

EU0380– Tar Impregnation – Brick Preheater			
Emission Unit	Description	Manufacturer/Model #	2003 EIQ Reference #
EU0380	1.0 MMBtu/hr Natural Gas Fired Tar Impregnation - Brick Preheater; MHDR 4.6 tons/hr; no control device; LPG (Propane) to be used as backup fuel source; Constructed in 1985	Devine	EP-20

PERMIT CONDITION EU0380-001
10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

1. 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%.
New source: any equipment, machine, device, article, contrivance or installation installed in the outstate Missouri area after February 24, 1971.
2. Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring:

1. The permittee shall conduct opacity readings on this emission unit using the procedures contained in USEPA Test Method 22. At a minimum, the observer should be 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 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) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then-
 - b) Observations must be made once every two weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then-
 - c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.
3. If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Recordkeeping:

1. The permittee shall maintain records of all observation results (see Attachment A1 or A2), 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.

2. The permittee shall maintain records of any equipment malfunctions. (see Attachment B)
3. The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (see Attachment C)
4. Attachments A1 or A2, B and C 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.
5. These records shall be made available immediately for inspection to Department of Natural Resources personnel upon request.
6. All records shall be maintained for five years.

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.

PERMIT CONDITION EU0380-002

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

Emission Limitation:

1. Particulate matter shall not be emitted from EU0380 in excess of 11.40 lb/hr.
This emission rate was calculated using the following equation:
 - a) For process weight rates of 60,000 lb/hr or less:
$$E = 4.10(P)^{0.67}$$

Where:
E = rate of emission in lb/hr
P = process weight rate in tons/hr
2. The concentration of particulate matter in the exhaust gases shall not exceed 0.30 gr/scf.

Monitoring/Recordkeeping:

1. The permittee shall retain the potential to emit calculations in Attachment D which demonstrate that the above emission limitations will not be exceeded.
2. The calculation shall be made available immediately for inspection to the Department of Natural Resources' personnel upon request.
3. All records shall be kept for a period of five years.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the annual compliance certification to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

PERMIT CONDITION EU0380-003

10 CSR 10-6.260 Restriction of Emission of Sulfur Compounds

Emission Limitation/Operational Limitation/Equipment Specifications:

The emission unit shall be limited to burning pipeline grade natural gas or liquified petroleum gas.

Monitoring/Recordkeeping:

Documentation supporting the fuel used is pipeline grade natural gas or liquified petroleum gas.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the annual compliance certification to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

EU0390– Tar Impregnation – Autoclave/Cooler			
Emission Unit	Description	Manufacturer/Model #	2003 EIQ Reference #
EU0390	20 MMBtu/hr Natural Gas Fired Tar Impregnation - AutoClave/Cooler; MHDR 4.6 tons/hr; no control device; LPG (Propane) to be used as backup fuel source; Constructed in 1985.	Devine	EP-19

PERMIT CONDITION EU0390-001
 10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

- 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%.
New source: any equipment, machine, device, article, contrivance or installation installed in the outstate Missouri area after February 24, 1971.
- Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring:

- The permittee shall conduct opacity readings on this emission unit using the procedures contained in USEPA Test Method 22. At a minimum, the observer should be 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 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.
- The following monitoring schedule must be maintained:
 - Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then-
 - Observations must be made once every two weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then-
 - Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.
- If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Recordkeeping:

- The permittee shall maintain records of all observation results (see Attachment A1 or A2), noting:
 - Whether any air emissions (except for water vapor) were visible from the emission units,
 - All emission units from which visible emissions occurred, and
 - Whether the visible emissions were normal for the process.

2. The permittee shall maintain records of any equipment malfunctions. (see Attachment B)
3. The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (see Attachment C)
4. Attachments A1 or A2, B and C contain logs including these recordkeeping requirements. These logs, or an equivalent created by the permittee, must be used to certify compliance with this requirement.
5. These records shall be made available immediately for inspection to Department of Natural Resources personnel upon request.
6. All records shall be maintained for five years.

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.

PERMIT CONDITION EU0390-002

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

Emission Limitation:

1. Particulate matter shall not be emitted from EU0390 in excess of 11.40 lb/hr.
This emission rate was calculated using the following equation:
 - a) For process weight rates of 60,000 lb/hr or less:
$$E = 4.10(P)^{0.67}$$

Where:
E = rate of emission in lb/hr
P = process weight rate in tons/hr
2. The concentration of particulate matter in the exhaust gases shall not exceed 0.30 gr/scf.

Monitoring/Recordkeeping:

1. The permittee shall retain the potential to emit calculations in Attachment D which demonstrate that the above emission limitations will not be exceeded.
2. The calculation shall be made available immediately for inspection to the Department of Natural Resources' personnel upon request.
3. All records shall be kept for a period of five years.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the annual compliance certification to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

PERMIT CONDITION EU0390-003

10 CSR 10-6.260 Restriction of Emission of Sulfur Compounds

Operational Limitation/Equipment Specifications:

The emission unit shall be limited to burning pipeline grade natural gas or liquified petroleum gas.

Monitoring/Recordkeeping:

Documentation supporting the fuel used is pipeline grade natural gas or liquified petroleum gas.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the annual compliance certification to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

EU0400– Coking Oven			
Emission Unit	Description	Manufacturer/Model #	2003 EIQ Reference #
EU0400	18.4 MMBtu/hr Coking Oven; MHDR 1.18 tons/hr; LPG (Propane) to be used as a backup fuel source; Constructed in 1991	Hendryx	EP-23

<p>PERMIT CONDITION EU0400-001 10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants</p>
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Emission Limitation:

1. 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%.
New source: any equipment, machine, device, article, contrivance or installation installed in the outstate Missouri area after February 24, 1971.
2. Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring:

1. The permittee shall conduct opacity readings on this emission unit using the procedures contained in USEPA Test Method 22. At a minimum, the observer should be 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 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) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then-
 - b) Observations must be made once every two weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then-
 - c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.
3. If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Recordkeeping:

1. The permittee shall maintain records of all observation results (see Attachment A1 or A2), 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.
2. The permittee shall maintain records of any equipment malfunctions. (see Attachment B)

3. The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (see Attachment C)
4. Attachments A1 or A2, B and C 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.
5. These records shall be made available immediately for inspection to Department of Natural Resources personnel upon request.
6. All records shall be maintained for five years.

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.

PERMIT CONDITION EU0400-002

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

Emission Limitation:

1. Particulate matter shall not be emitted from EU0400 in excess of 4.58 lb/hr.
This emission rate was calculated using the following equation:
 - a) For process weight rates of 60,000 lb/hr or less:
$$E = 4.10(P)^{0.67}$$

Where:
E = rate of emission in lb/hr
P = process weight rate in tons/hr
2. The concentration of particulate matter in the exhaust gases shall not exceed 0.30 gr/scf.

Monitoring/Recordkeeping:

1. The permittee shall retain the potential to emit calculations in Attachment D which demonstrate that the above emission limitations will not be exceeded.
2. The calculation shall be made available immediately for inspection to the Department of Natural Resources' personnel upon request.
3. All records shall be kept for a period of five years.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the annual compliance certification to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

PERMIT CONDITION EU0400-003

10 CSR 10-6.260 Restriction of Emission of Sulfur Compounds

Operational Limitation/Equipment Specifications:

The emission unit shall be limited to burning pipeline grade natural gas or liquefied petroleum gas.

Monitoring/Recordkeeping:

Documentation supporting the fuel used is pipeline grade natural gas or liquified petroleum gas.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the annual compliance certification to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

PERMIT CONDITION EU0400-004

10 CSR 10-6.060 Construction Permits Required
Construction Permit 1090-009 Issued October 24, 1990

Emission Limitation:

No more than 1,404,000 9-inch equivalent bricks (7371 tons) may be processed in the coking oven in any 12-month period. [Special Condition No.1]

Monitoring/Recordkeeping:

Records shall be kept on-site for a period of at least two years of the tons of bricks processed, with both the monthly and the rolling 12-month total shown. These records shall be made available immediately to Department of Natural Resources' personnel upon verbal request. [Special Condition No. 2]

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the annual compliance certification to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

EU0410- Coking Oven- Thermal Oxidizer			
Emission Unit	Description	Manufacturer/Model #	2003 EIQ Reference #
EU0410	10 MMBtu/hr Natural Gas Fired Coking Oven Thermal Oxidizer; LPG (Propane) to be used as backup fuel source; Constructed in 1991	Process Combustion Corp.	EP-23

<p align="center">PERMIT CONDITION EU0410-001 10 CSR 10-6.260 Restriction of Emission of Sulfur Compounds</p>
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Operational Limitation/Equipment Specifications:

The emission unit shall be limited to burning pipeline grade natural gas or liquified petroleum gas.

Monitoring/Recordkeeping:

Documentation supporting the fuel used is pipeline grade natural gas or liquified petroleum gas.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the annual compliance certification to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

EU0420 through EU0430– Pallet and Pan Cleaners			
Emission Unit	Description	Manufacturer/Model #	2003 EIQ Reference #
EU0420	Pallet Cleaner; MHDR 0.36 lb/1000 lb media; Controlled by Fabric Filter; Constructed in 1985	BCP Blast Cleaner	EP-22
EU0430	Pan Cleaner; MHDR 6 pans/hr; Controlled by Fabric Filter with 98% efficiency; Constructed in 1995	BCP Blast Cleaner	EP-29

<p align="center">PERMIT CONDITION (EU0420 through EU0430)-001 10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants</p>

Emission Limitation:

1. 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%.
New source: any equipment, machine, device, article, contrivance or installation installed in the outstate Missouri area after February 24, 1971.
2. Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring:

1. The permittee shall conduct opacity readings on this emission unit using the procedures contained in USEPA Test Method 22. At a minimum, the observer should be 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 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) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then-
 - b) Observations must be made once every two weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then-
 - c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.
3. If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Recordkeeping:

1. The permittee shall maintain records of all observation results (see Attachment A1 or A2), 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.

2. The permittee shall maintain records of any equipment malfunctions. (see Attachment B)
3. The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (see Attachment C)
4. Attachments A1 or A2, B and C contain logs including these recordkeeping requirements. These logs, or an equivalent created by the permittee, must be used to certify compliance with this requirement.
5. These records shall be made available immediately for inspection to Department of Natural Resources' personnel upon request.
6. All records shall be maintained for five years.

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.

PERMIT CONDITION EU0430-002

10 CSR 10-6.060 Construction Permits Required
Construction Permit 1095-029 Issued September 14, 1995

Monitoring:

The emission control device, BCP Standard Model JPC, shall be maintained and operating within the manufacturer's design specifications during all times the facility is in operation. The dust collector shall be equipped with a gauge that will indicate the pressure drop which is normally 3 to 4 inches. This gauge shall be located such that it may be easily observed by Department of Natural Resources' personnel. Replacements of the filter media should always be available and on hand. [Special Condition No. 1]

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the annual compliance certification to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

EU0440 – Transfer Equipment			
Emission Unit	Description	Manufacturer/Model #	2003 EIQ Reference #
EU0440	Transfer Equipment: Three (3) Vibrating Feeders, Bin, Elevator, and Two(2) Belt Conveyors; MHDR 35 tons/hr; Controlled by Fabric Filter with 98 % efficiency; Constructed in 1998	Kinergy/KDE-1 (Vibrating Feeder) Carrier/IBMLS 2460 (Vibrating Feeder)	EP-33

PERMIT CONDITION EU0440-001
 10 CSR 10-6.220
 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

1. 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%.
New source: any equipment, machine, device, article, contrivance or installation installed in the outstate Missouri area after February 24, 1971.
2. Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring:

1. The permittee shall conduct opacity readings on this emission unit using the procedures contained in USEPA Test Method 22. At a minimum, the observer should be 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 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) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then-
 - b) Observations must be made once every two weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then-
 - c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.
3. If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Recordkeeping:

1. The permittee shall maintain records of all observation results (see Attachment A1 or A2), 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.

2. The permittee shall maintain records of any equipment malfunctions. (see Attachment B)
3. The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (see Attachment C)
4. Attachments A1 or A2, B and C contain logs including these recordkeeping requirements. These logs, or an equivalent created by the permittee, must be used to certify compliance with this requirement.
5. These records shall be made available immediately for inspection to Department of Natural Resources' personnel upon request.
6. All records shall be maintained for five years.

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.

PERMIT CONDITION EU0440-002

10 CSR 10-6.400

Restriction of Emission of Particulate Matter From Industrial Processes

Emission Limitation:

1. Particulate matter shall not be emitted from EU00440 in excess of 41.32 lb/hr.
This emission rate was calculated using the following equation:
 - a) For process weight rates of 60,000 lb/hr or less:
$$E = 4.10(P)^{0.67}$$

Where:
E = rate of emission in lb/hr
P = process weight rate in tons/hr
2. The concentration of particulate matter in the exhaust gases shall not exceed 0.30 gr/scf.

Monitoring/Recordkeeping:

1. The permittee shall retain the potential to emit calculations in Attachment D which demonstrate that the above emission limitations will not be exceeded.
2. The calculation shall be made available immediately for inspection to the Department of Natural Resources' personnel upon request.
3. All records shall be kept for a period of five years.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition using the annual compliance certification to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

EU0450 – Screen			
Emission Unit	Description	Manufacturer/Model #	2003 EIQ Reference #
EU0450	Screen; MHDR 35 tons/hr; Controlled by Fabric Filter with 98% efficiency; Constructed in 1998	Mogensen/MDL-2056	EP-33

<p style="text-align: center;">PERMIT CONDITION EU0450-001 10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants</p>

Emission Limitation:

1. 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%.
New source: any equipment, machine, device, article, contrivance or installation installed in the outstate Missouri area after February 24, 1971.
2. Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring:

1. The permittee shall conduct opacity readings on this emission unit using the procedures contained in USEPA Test Method 22. At a minimum, the observer should be 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 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) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then-
 - b) Observations must be made once every two weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then-
 - c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.
3. If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Recordkeeping:

1. The permittee shall maintain records of all observation results (see Attachment A1 or A2), 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.
2. The permittee shall maintain records of any equipment malfunctions. (see Attachment B)

3. The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (see Attachment C)
4. Attachments A1 or A2, B and C 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.
5. These records shall be made available immediately for inspection to Department of Natural Resources personnel upon request.
6. All records shall be maintained for five years.

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.

EU0460- Air Transport			
Emission Unit	Description	Manufacturer/Model #	2003 EIQ Reference #
EU0460	Air Transport; MHDR 25 tons/hr; Controlled by Fabric Filter with 98% efficiency; Constructed in 1966	Unknown	EP-34

<p align="center">PERMIT CONDITION EU0460-001 10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants</p>
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Emission Limitation:

1. 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%.
Existing source-any equipment, machine, device, article, contrivance or installation installed or in construction in the outstate Missouri area on February 24, 1971.
Exception: If the source is altered, repaired, or rebuilt at a cost of fifty percent (50%) or more of its replacement cost exclusive of routine maintenance, it shall no longer be existing, but shall be considered new as defined in this regulation.
2. Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring:

1. The permittee shall conduct opacity readings on this emission unit using the procedures contained in USEPA Test Method 22. At a minimum, the observer should be 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 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) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then-
 - b) Observations must be made once every two weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then-
 - c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.
3. If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Recordkeeping:

1. The permittee shall maintain records of all observation results (see Attachment A1 or A2), 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.
2. The permittee shall maintain records of any equipment malfunctions. (see Attachment B)
3. The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (see Attachment C)
4. Attachments A1 or A2, B and C 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.
5. These records shall be made available immediately for inspection to Department of Natural Resources personnel upon request.
6. All records shall be maintained for five years.

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.

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 10-3.030 Open Burning Restrictions

1. The permittee shall not conduct, cause, permit or allow a salvage operation, the disposal of trade wastes or burning of refuse by open burning.
2. Exception - Open burning of trade waste or vegetation may be permitted only when it can be shown that open burning is the only feasible method of disposal or an emergency exists which requires open burning.
3. Any person intending to engage in open burning shall file a request to do so with the director. The request shall include the following:
 - a) The name, address and telephone number of the person submitting the application; The type of business or activity involved; A description of the proposed equipment and operating practices, the type, quantity and composition of trade wastes and expected composition and amount of air contaminants to be released to the atmosphere where known;
 - b) The schedule of burning operations;
 - c) The exact location where open burning will be used to dispose of the trade wastes;
 - d) Reasons why no method other than open burning is feasible; and
 - e) Evidence that the proposed open burning has been approved by the fire control authority which has jurisdiction.
4. Upon approval of the open burning permit application by the director, the person may proceed with the operation under the terms of the open burning permit. Be aware that such approval shall not exempt A.P. Green Industries, Inc. from the provisions of any other law, ordinance or regulation.
5. The permittee shall maintain files with letters from the director approving the open burning operation and previous Department of Natural Resources inspection reports.

10 CSR 10-3.090 Restriction of Emission of Odors

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. **This requirement is not federally enforceable.**

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.

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. Recordkeeping
 - 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 Mr. Michael Schalk, Corporate Secretary. 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 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. 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.

VI. Attachments

Attachments follow.

Attachment C

Method 9 Opacity Emission Observations	
Company	Observer
Location	Observer Certification Date
Date	Emission Unit
Time	Control Device

Hour	Min.	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 D

This attachment may be used to demonstrate compliance with the limitations of 10 CSR 10-6.400 *Restriction of Emission of Particulate Matter From Industrial Processes* for the equipment listed.

PM Emission limit:

$$E = 4.1(P)^{0.67} \quad (P \leq 30)$$

$$E = 55(P)^{0.11} - 40 \quad (P > 30)$$

P is process weight rate in tons/hour and E is emission rate limit in lb/hour

Potential PM Emission Rate:

$$\text{Emission Rate (lb/hr)} = \text{Process Weight Rate (ton/hr)} * \text{PM Emission Factor (lb/ton)}$$

Emission Point #	Associated Equipment	Process Weight Rate (ton/hr)	PM Emission Factor (lb/ton)	Emission Factor Reference	Potential Uncontrolled Emission Rate (lb/hr)	Emission Rate Limit (lb/hr)
EP-04	EU0010 – Transfer Equipment	35.0	0.84	Emissions Testing	29.40	41.32
EP-13	EU0330 – Tunnel Dryers #1 and #2	10.3	0.187	AP-42	1.93	19.56
EP-14	EU0350 – Tunnel Dryers #3 and #4	10.3	0.187	AP-42	1.93	19.56
EP-09 & 10	EU0360 and EU0370 – #1 and #2 Tunnel Kilns	10.3	0.87	AP-42	8.96	19.56
EP-20	EU0380 – Tar Impregnation – Brick Preheater	4.6	0.187	AP-42	0.86	11.40
EP-19	EU0390 – Tar Impregnation – Autoclave/Cooler	4.6	0.187	AP-42	0.86	11.40
EP-23	EU0400 – Coking Oven	1.18	1.288	Stack Test	1.52	4.58
EP-33	EU0440 – Transfer Equipment	35.0	0.84	Emissions Testing	29.40	41.32

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 10, 2002; revised July 8, 2004;
2. 2005 Emissions Inventory Questionnaire, received March 24, 2006; 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 10-6.400 Restriction of Emissions of Particulate Matter From Industrial Processes

The applicant applied this rule to Emission Units EU0040 through EU0031, EU0042, EU0043, and EU0046, however they are exempt from this rule because the potential to emit for these units is below 0.5 lbs/hour.

10 CSR 10-6.260 Restriction of Emission of Sulfur Compounds

The applicant applied this rule to Emission Units EU0320, EU0340, and EU0360 through EU0410. Section (1)(2) of this rule exempts combustion equipment that uses exclusively pipeline grade natural gas or liquefied petroleum gas, or any combination of these fuels, therefore there are no emission limits applied to these units. The rule was included in the operating permit only to state that the units are limited to using pipeline grade natural gas and/or liquefied petroleum gas.

Construction Permit Revisions

The following revisions were made to construction permits for this installation:

The following revisions were made to construction permits for this installation:

Construction Permit 1098-020 applied NSPS Subpart OOO to Emission Unit EU0020 the VSI Crusher. It was determined that this Subpart does not apply to this facility and therefore the special conditions of this construction permit were not included in the operating permit.

Construction Permit 1090-009, Issued October 24, 1990: Special Conditions No. 3 and No. 4 require the facility to conduct performance tests on the coking oven stack to determine emission rates of particulate matter, carbon monoxide and nitrogen oxides. These conditions were not put in the operating permit under Permit Condition EU0040-004 because they have already been met.

Construction Permit 0895-020, Issued July 20, 1995 authorized the installation of a reconditioned Nordber 36' Gyradisc Crusher. This crusher was replaced by the Barmac Crusher (EU0020) in 1998 (as authorized by Construction Permit 1098-020, Issued October 15, 1998) therefore the special conditions in this permit were not included in the operating permit.

New Source Performance Standards (NSPS) Applicability

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

In the application this Subpart was applied to several emission units at this facility. However, upon careful examination of the applicability requirements of this Subpart it was determined that it does not apply to this facility. The Subpart defines "Nonmetallic Mineral" as follows:

Nonmetallic mineral means any of the following minerals or any mixture of which the majority is any of the following minerals:

- (a) Crushed and Broken Stone, including Limestone, Dolomite, Granite, Traprock, Sandstone, Quartz, Quartzite, Marl, Marble, Slate, Shale, Oil Shale, and Shell.
- (b) Sand and Gravel.
- (c) Clay including Kaolin, Fireclay, Bentonite, Fuller's Earth, Ball Clay, and Common Clay.
- (d) Rock Salt.
- (e) Gypsum.
- (f) Sodium Compounds, including Sodium Carbonate, Sodium Chloride, and Sodium Sulfate.
- (g) Pumice.
- (h) Gilsonite.
- (i) Talc and Pyrophyllite.
- (j) Boron, including Borax, Kernite, and Colemanite.
- (k) Barite.
- (l) Fluorospar.
- (m) Feldspar.
- (n) Diatomite.
- (o) Perlite.
- (p) Vermiculite.
- (q) Mica.
- (r) Kyanite, including Andalusite, Sillimanite, Topaz, and Dumortierite.

The materials processed at this facility in the VSI Crusher (EU0020) and associated equipment are 20% clays, 70% bauxites, and 10% BAT which is brick that has been rejected due to quality issues and has the same makeup as the other processed materials. Since these processed materials do not meet the definition of Nonmetallic Minerals, this Subpart was not applied to these emission units. The Small Crusher (EU0200) does process only clay which meets the definition of Nonmetallic Mineral, however §60.670(c)(3) exempts common clay plants and pumice plants with capacities, as defined in §60.671, of 9 megagrams per hour (10 tons per hour) or less. The capacity of this crusher is only 4.5 tons/hour therefore it is not subject to Subpart OOO.

Maximum Available Control Technology (MACT) Applicability

None.

National Emission Standards for Hazardous Air Pollutants (NESHAP) Applicability

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.

Other Regulatory Determinations

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

Emission Units not subject to 10 CSR 10-6.400 because potential to emit is below 0.5 lb/hr.

Emission Unit	Description	MHDR (unit/hr)	Emission Factor (lb/unit)	EF Source	Control Efficiency	PTE (lb/hr)
EU0020	VSI Crusher	35	0.25	FIRE	98	0.175
EU0030	Bin	35	0.12	Emissions Testing	98	0.084
EU0040	Transfer Equipment	6	0.36	Emissions Testing	98	0.043
EU0050	Air Transporter	7	0.12	Emissions Testing	98	0.0168
EU0060	Transfer Equipment	4.5	0.36	Emissions Testing	98	0.0324
EU0070	Transfer Equipment	3	0.24	Emissions Testing	98	0.0144
EU0080	Transfer Equipment	17.5	0.24	Emissions Testing	98	0.084
EU0090	Transfer Equipment	17.5	0.24	Emissions Testing	98	0.084
EU0100	Transfer Equipment	17.5	0.24	Emissions Testing	98	0.084
EU0110	Transfer Equipment	12.5	0.24	Emissions Testing	98	0.06
EU0120	Transfer Equipment	12.5	0.24	Emissions Testing	98	0.06
EU0130	Transfer Equipment	12.5	0.36	Emissions Testing	98	0.09
EU0140	Bulk Bag Dump Station	1.3	0.12	Emissions Testing	98	0.00312
EU0150	East Ball Mill	4	0.25	FIRE	98	0.02
EU0180	Transfer Equipment	4	0.36	Emissions Testing	98	0.0288
EU0190	Transfer Equipment	6	0.12	Emissions Testing	98	0.014
EU0200	Crusher	6	0.25	FIRE	98	0.03
EU0210	Mixer 1	17.5	0.6	AP-42 11.13	98	0.21
EU0220	Mixer 2	17.5	0.6	AP-42 11.13	98	0.21
EU0230	Mixer 3	17.5	0.6	AP-42 11.13	98	0.21
EU0240	Mixer 4	12.5	0.6	AP-42 11.13	98	0.15
EU0250	Mixer 5	12.5	0.6	AP-42 11.13	98	0.15
EU0260	Mixer 6	12.5	0.6	AP-42 11.13	98	0.15
EU0270	Batch Car	30	0.12	Emissions Testing	98	0.072
EU0280	Air Transporter	25	0.12	Emissions Testing	98	0.06
EU0290	Air Transporter	25	0.12	Emissions Testing	98	0.06
EU0300	Air Transporter	25	0.12	Emissions Testing	98	0.06
EU0310	Hammer Mill	4.5	0.08	Emissions Testing	98	0.007
EU0420	Pallet Cleaner	0.36	0.69	AP-42, 13.2.6	Inc.	0.025
EU0430	Pan Cleaner	6	1.106	Engineering Calculation	98	0.133
EU0450	Screen	35	0.25	FIRE	98	0.175
EU0460	Air Transport	25	0.12	Emissions Testing	98	0.06

Other Regulations Not Cited in the Operating Permit or the Above Statement of Basis

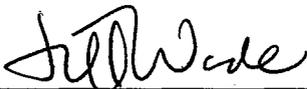
Any regulation which is not specifically listed in either the Operating Permit or in the above Statement of Basis does not appear, based on this review, to be an applicable requirement for this installation for one or more of the following reasons.

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:



Jill Wade, P.E.
Environmental Engineer