



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 herein.

Intermediate Operating Permit Number: OP2012-010
Expiration Date: MAR 01 2017
Installation ID: 221-0022
Project Number: 2010-09-026

Installation Name and Address

Purcell Tire and Rubber Company
301 North Hall Street
Potosi, MO 63664-1403
Washington County

Parent Company's Name and Address

Purcell Tire and Rubber Company
P.O. Box 100
Potosi, MO 63664

Installation Description:

Purcell Tire and Rubber Company (Purcell) is a tire processing installation that retreads/recaps medium commercial truck tires, industrial tires and earth moving tires. The installation's process operations include: removal of rubber (buffing) from used tires, tire grinding, application and curing of new rubber, spray cement application, general solvent usage and material handling of tires and rubber fragments. The installation has taken a voluntary limit on emissions of Volatile Organic Compounds (VOCs), Particulate Matter less than 10 microns in diameter (PM₁₀), and Hazardous Air Pollutants (HAPs) in order to qualify for this intermediate operating permit. The installation is subject to 40 CFR Part 60 Subpart Dc Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units.

MAR 02 2012

Effective Date

Director or Designee
Department of Natural Resources

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I. Installation Description and Equipment Listing

INSTALLATION DESCRIPTION

Purcell Tire and Rubber Company (Purcell) is a tire processing installation that retreads/recaps medium commercial truck tires, industrial tires and earth moving tires. The installation’s process operations include: removal of rubber (buffing) from used tires, tire grinding, application and curing of new rubber, spray cement application, general solvent usage and material handling of tires and rubber fragments. The installation has taken a voluntary limit on emissions of VOCs, PM₁₀, and HAPs in order to qualify for this intermediate operating permit. The installation is subject to 40 CFR Part 60 Subpart Dc Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units.

Reported Air Pollutant Emissions, tons per year					
Pollutants	2010	2009	2008	2007	2006
Particulate Matter ≤ Ten Microns (PM ₁₀)	1.75	0.91	1.05	1.02	0.72
Particulate Matter ≤ 2.5 Microns (PM _{2.5})	0.39	0.39	0.49	0.45	0.37
Sulfur Oxides (SO _x)	0.0077	0.0077	0.015	0.011	0.0139
Nitrogen Oxides (NO _x)	1.29	1.29	2.50	1.85	2.33
Volatile Organic Compounds (VOC)	10.81	10.81	11.60	11.31	14.07
Carbon Monoxide (CO)	1.08	1.08	2.10	1.56	1.95
Lead (Pb)	0.00	0.00	0.00	0.00	0.00
Hazardous Air Pollutants (HAPs)	0.00	0.00	0.00	0.00	0.00
Ammonia (NH ₃)	0.00	0.00	0.00	0.00	0.00

EMISSION UNITS WITH LIMITATIONS

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

Emission Unit #	Description of Emission Unit
EP1B	350 hp Boiler (11.72 MMBtu/hr)
EP3	300 hp Boiler (10.0 MMBtu/hr)
EP4	Truck tire buffing (2 grinding machines and 3 skiving stations)
EP5	Truck tire building-spray cement application
EP6 and EP9	General rubber solvent use-including tire patching cement
EP7 and EP8	OTR tire buffing (5 machines)

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

Tire curing chambers

Truck tire molds

OTR tire molds

Curing chamber trucks

Parts washers

2000 gallon diesel storage tank

500 gallon waste oil tank

II. Plant Wide Emission Limitations

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

PERMIT CONDITION PW001

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

Emission Limitation:

The permittee shall discharge into the atmosphere from the entire installation less than 100 tons of particulate matter less than 10 microns in diameter (PM₁₀) during any consecutive 12-month period.

Monitoring/Recordkeeping:

1. The permittee shall maintain an accurate record of emissions of PM₁₀ emitted into the atmosphere from this installation. The permittee shall record the monthly PM₁₀ emissions with a consecutive 12-month total. The permittee shall use Attachment A (PM₁₀ Emissions Tracking Record) or an equivalent form for this purpose.
2. All records shall be maintained for five years.
3. The permittee shall immediately make such records available to any Department of Natural Resources' personnel upon request.

Reporting:

1. The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the end of the month, if the consecutive 12-month total records show that the source exceeded the limitation of 100 tons of PM₁₀ emissions.
2. Reports of any deviations from monitoring, recordkeeping and reporting requirements of this permit condition shall be submitted in the annual compliance certification as required by Section IV of this permit.

PERMIT CONDITION PW002

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

Emission Limitation:

The permittee shall discharge into the atmosphere from the entire installation less than 100 tons of volatile organic compounds (VOC) during any consecutive 12-month period.

Monitoring/Recordkeeping:

1. The permittee shall maintain an accurate record of emissions of VOC emitted into the atmosphere from this installation. The permittee shall record the monthly VOC emissions with a consecutive 12-month total. The permittee shall use Attachment B (VOC Emissions Tracking Record) or an equivalent form for this purpose.
2. All records shall be maintained for five years.

3. The permittee shall immediately make such records available to any Department of Natural Resources personnel upon request.

Reporting:

1. The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the end of the month, if the consecutive 12-month total records show that the source exceeded the limitation of 100 tons of VOC emissions.
2. Reports of any deviations from monitoring, recordkeeping and reporting requirements of this permit condition shall be submitted in the annual compliance certification as required by Section IV of this permit.

PERMIT CONDITION PW003

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

Emission Limitation:

The permittee shall discharge into the atmosphere from the entire installation less than ten tons of any individual hazardous air pollutant (HAP) and less than 25 tons of any combination of HAPs in any consecutive 12 month period.

Monitoring/Recordkeeping:

1. The permittee shall maintain an accurate record of emissions of HAPs emitted into the atmosphere from this installation. The permittee shall record the monthly HAP emissions with a consecutive 12-month total. The permittee shall use Attachments C (Monthly Combined HAPs Tracking Record) and D (Monthly Individual HAPs Tracking Record) or equivalent forms for this purpose.
2. All records shall be maintained for five years.
3. The permittee shall immediately make such records available to any Department of Natural Resources personnel upon request.

Reporting:

1. The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the end of the month, if the consecutive 12-month total records show that the source exceeded the limitation of ten tons of any individual HAP or 25 tons of any combination of HAP emissions.
2. Reports of any deviations from monitoring, recordkeeping and reporting requirements of this permit condition shall be submitted in the annual compliance certification as required by Section IV of this permit.

PERMIT CONDITION PW004

10 CSR 10-6.060 Construction Permits Required
Construction Permit 062000-026A

Emission Limitation:

The permittee shall not emit particulate matter from the entire installation such that PM₁₀ exists in the ambient air in quantities and for durations that directly or proximately causes or contributes to injury of human, plant or animal life or health, destruction of property, or that unreasonably interferes with the enjoyment of life and the use of property. If the presence of particulate matter less than ten (10) microns

in diameter (PM_{10}) in the ambient air exists in quantities and durations that directly or proximately causes or contributes to injury of human, plant or animal life or health, or to property, or that unreasonably interferes with the enjoyment of life or the use of property, the Director may require Purcell to submit a corrective action plan within ten (10) days adequate to timely and significantly mitigate the emission of PM_{10} . Purcell shall implement any such plan immediately upon its approval by the Director. Failure to either submit or implement such a plan shall be a violation of this permit.

III. Emission Unit Specific Emission Limitations

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

EP1B and EP3 –Boilers		
Emission Unit	Description	Manufacturer/Model #
EP1B	350 hp boiler, natural gas fired, constructed 1998 (11.72 MMBtu/hr)	Unknown
EP3	300 hp boiler, natural gas fired, constructed 1996 (10 MMBtu/hr)	York Shipley/SPH-300-6

<p>PERMIT CONDITION (EP1B and EP3)-001 10 CSR 10-6.070 New Source Performance Regulations 40 CFR Part 60 Subpart Dc Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units</p>
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Emission Limitation:
 None.

Monitoring/Recordkeeping:

1. The permittee shall record and maintain records of the amount of each fuel combusted during each operating day. [§60.48c(g)(1)]
2. As an alternative, the permittee may elect to record and maintain records of the amount of each fuel combusted during each calendar month; [§60.48c(g)(2)]or
3. The permittee may elect to record and maintain records of the total amount of each steam generating unit fuel delivered to that property during each calendar month. [§60.48c(g)(3)]

Reporting:

1. The permittee shall submit notification of the date of construction or reconstruction and actual startup, as provided by §60.7 of this part. This notification shall include:
 - a) The design heat input capacity of the affected facility and identification of fuels to be combusted in the affected facility.
 - b) If applicable, a copy of any federally enforceable requirement that limits the annual capacity factor for any fuel or mixture of fuels under §60.42c, or §60.43c.
 - c) The annual capacity factor at which the owner or operator anticipates operating the affected facility based on all fuels fired. [§60.48c(a)(1), (2), (3)]
2. Reports of any deviations from monitoring, recordkeeping and reporting requirements of this permit condition shall be submitted in the annual compliance certification as required by Section IV of this permit

PERMIT CONDITION (EP1B and EP3)-002

10 CSR 10-6.220

Restriction 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 percent.
2. Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60 percent.

Monitoring/Recordkeeping/Reporting:

As detailed in core permit requirements.

PERMIT CONDITION (EP1B and EP3)-003

10 CSR 10-3.060

Maximum Allowable Emissions of Particulate Matter From Fuel Burning Equipment Used for Indirect Heating¹

¹This requirement is federally enforceable only.

Emission Limitation:

1. The permittee shall not emit particulate matter in excess of 0.46 lb/MMBtu of heat input from indirect heating sources

Operational Limitation:

The permittee shall calibrate, maintain and operate the emission unit according to the manufacturer's specifications and recommendations.

Monitoring/Recordkeeping:

1. Attachment J contains calculations which demonstrate that this emission unit will never exceed the emission limitation while burning the specified fuel.
2. Records may be kept in either written or electronic form.
3. These records shall be made available immediately for inspection to Department of Natural Resources' personnel upon request.
4. All records shall be maintained for five years.

Reporting:

1. Reports of any deviations from monitoring, recordkeeping and reporting requirements of this permit condition shall be submitted in the annual compliance certification as required by Section IV of this permit

EP4, EP7, and EP8 –Tire Grinding			
Emission Unit	Description	Control Devices	Manufacturer/Model/Year
EP4	2 Truck buffing machines, MHDR = 76.6 tires/hr, and 3 Skiving stations	Water spray and cyclone (99.8% control efficiency)	1. Matteuzzi, Model RAS-98E-ULTRA, 2010 2. Matteuzzi, Model RAS-90/5218, 1998
EP7 and EP8	5 OTR vehicle tire buffing machines,	Water spray and 3 storage trailers with fabric filter (99.8% control efficiency)	1: Nexus, Model ROTR 49", 2001 2: Foam Fil, shop fabricated, 2009 3: MGT, One 63", 2007 4: Cincinnati machine, Model CB 50G HD/072288, April 1988 5: Nexus, Model ROTR 49", 2001

PERMIT CONDITION EP4-001
 10 CSR 10-6.060 Construction Permits Required
 Construction Permit #062000-026A, Issued June 30, 2000

Operational Limitation:

The cyclone associated with the emission points (EP4) shall be in use at all times when any (1) or more of the associated truck tire buffing machines are in operation. The cyclone and any related instrumentation or equipment shall be operated and maintained in accordance with the manufacturer's specifications. (Special Condition 3A)

Monitoring:

1. The permittee shall inspect the cyclone at least once every six (6) months and at a minimum conduct the following activities: (Special Condition 3B)
 - a) Inspect all components of the control system that are not subject to wear or plugging, including structural components, housing, ducts, hoods, etc.; and
 - b) If leaks or abnormal conditions are found during these inspections, the appropriate remedial actions shall be implemented before re-starting the equipment.

Recordkeeping:

1. The permittee shall maintain an operating, maintenance, and inspection log for the cyclone which shall include the following: (Special Condition 3C)
 - a) Incidents of malfunction(s) including the date(s) and duration of the event, the probable cause, any corrective actions taken and the impact on emissions due to the malfunction;
 - b) Any maintenance activities conducted on the unit, such as replacement of equipment, etc.; and
 - c) A written record of regular inspection schedule, the date and results of all inspections including any actions or maintenance activities that result from that inspection.
2. Attachment E or its equivalent may be used for this purpose.
3. These records shall be made available immediately for inspection to the Department of Natural Resources' personnel upon request.
4. All records shall be maintained for five years

Reporting:

Reports of any deviations from monitoring, recordkeeping and reporting requirements of this permit condition shall be submitted in the annual compliance certification as required by Section IV of this permit.

PERMIT CONDITION (EP7 through EP8)-001 and EP4-002

10 CSR 10-6.060 Construction Permits Required
Construction Permit #062000-026A, Issued June 30, 2000

Operational Limitation:

The water spray application on the buffing machines (EP4, EP7, and EP8) must be in use at all times consistently and correctly when the buffing machines are in operation. The water sprays must be adjusted to operate within a pressure range that provides adequate wetting to effectively control tire buffing surface temperatures to below the threshold at which the tire begins to generate smoke (i.e., begins to thermally decompose, causing the formation and release of VOCs, condensable and otherwise fine, visible particulate matter). Compliance with this requirement will be based on visual inspection to confirm that the water sprays are in use and that no visible emissions are released at any of the tire buffing stations. In addition, the water spray system shall be calibrated periodically according to the manufacturer's recommended procedures and the calibration records shall be kept on site for inspection upon request by an authorized Missouri Department of Natural Resources' representative. (Special Condition 2)

Monitoring:

1. The permittee shall conduct opacity readings on this emission unit using the procedures contained in U.S. EPA Test Method 22. At a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, observer position relative to lighting, wind and the presence of uncombined water. Readings are only required when the emission unit is operating and when the weather conditions allow. .
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 F), 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
2. The permittee shall maintain records of any equipment malfunctions. (see Attachment E
3. The Attachments E and F contain logs including these recordkeeping requirements. These logs, or an equivalent created by the permittee, must be used to certify compliance with this requirement.

4. These records shall be made available immediately for inspection to Department of Natural Resources' personnel upon request.
5. All records shall be maintained for five years.

Reporting:

1. The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the permittee determined using the Method 22 test that the emission unit(s) exceeded the visible emissions limit.
2. Reports of any deviations from monitoring, recordkeeping and reporting requirements of this permit condition shall be submitted in the annual compliance certification as required by Section IV of this permit.

PERMIT CONDITION (EP7 through EP8)-002 and EP4-003
 10 CSR 10-6.220
 Restriction 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 percent.
2. Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60 percent.

Monitoring/Recordkeeping/Reporting:

As detailed in core permit requirements.

EP5, EP6, and EP9-Cement Operations	
Emission Unit	Description
EP5	Truck tire building spray cement application
EP6 and EP9	General rubber solvent use including tire patching cement

PERMIT CONDITION (EP5, EP6, and EP9)-001
 10 CSR 10-6.060 Construction Permits Required
 Construction Permit #062000-026A, Issued June 30, 2000

Emission Limitation:

The permittee shall emit into the atmosphere less than 40 tons of volatile organic compounds (VOC) from the spray cement application (EP5), general solvent use including tire patching cement (EP6 and EP9), in any consecutive 12-month period. (Special Condition 1A)

Monitoring:

The permittee shall monitor the VOC emissions

Recordkeeping:

1. The permittee shall maintain the monthly and the sum of the most recent consecutive 12-month records of the VOC emissions from the equipment. (Special Condition 1D)
2. The permittee shall use Attachment G *Monthly VOC Emissions Tracking Records*, or equivalent form(s) to demonstrate compliance with Special Condition 1A. (Special Condition 1D)
3. These records shall be maintained on-site for five (5) years and shall be made available for inspection to the Department of Natural Resources' personnel upon request. (Special Condition 1D)

Reporting:

1. The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten (10) days after the end of the month during which the *Monthly VOC Emissions Tracking Records* (Attachment B), indicate that the source exceeds the emission limitation of Special Condition 1A. (Special Condition 1E)
2. Reports of any deviations from monitoring, recordkeeping and reporting requirements of this permit condition shall be submitted in the annual compliance certification as required by Section IV of this permit.

IV. Core Permit Requirements

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

10 CSR 10-6.045 Open Burning Requirements

- 1) General Provisions. The open burning of tires, petroleum-based products, asbestos containing materials, and trade waste is prohibited, except as allowed below. Nothing in this rule may be construed as to allow open burning which causes or constitutes a public health hazard, nuisance, a hazard to vehicular or air traffic, nor which violates any other rule or statute.
- 2) Refer to the regulation for a complete list of allowances. The following is a listing of exceptions to the allowances:
 - a) Burning of household or domestic refuse. Burning of household or domestic refuse is limited to open burning on a residential premises having not more than four dwelling units, provided that the refuse originates on the same premises, with the following exceptions:
 - i) Kansas City metropolitan area. The open burning of household refuse must take place in an area zoned for agricultural purposes and outside that portion of the metropolitan area surrounded by the corporate limits of Kansas City and every contiguous municipality;
 - ii) Springfield-Greene County area. The open burning of household refuse must take place outside the corporate limits of Springfield and only within areas zoned A-1, Agricultural District;
 - iii) St. Joseph area. The open burning of household refuse must take place within an area zoned for agricultural purposes and outside that portion of the metropolitan area surrounded by the corporate limits of St. Joseph; and
 - iv) St. Louis metropolitan area. The open burning of household refuse is prohibited;
 - b) Yard waste, with the following exceptions:
 - i) Kansas City metropolitan area. The open burning of trees, tree leaves, brush or any other type of vegetation shall require an open burning permit;
 - ii) Springfield-Greene County area. The City of Springfield requires an open burning permit for the open burning of trees, brush or any other type of vegetation. The City of Springfield prohibits the open burning of tree leaves;
 - iii) St. Joseph area. Within the corporate limits of St. Joseph, the open burning of trees, tree leaves, brush or any other type of vegetation grown on a residential property is allowed during the following calendar periods and time-of-day restrictions:
 - (1) A three (3)-week period within the period commencing the first day of March through April 30 and continuing for twenty-one (21) consecutive calendar days;
 - (2) A three (3)-week period within the period commencing the first day of October through November 30 and continuing for twenty-one (21) consecutive calendar days;
 - (3) The burning shall take place only between the daytime hours of 10:00 a.m. and 3:30 p.m.; and
 - (4) In each instance, the twenty-one (21)-day burning period shall be determined by the Director of Public Health and Welfare of the City of St. Joseph for the region in which the City of St. Joseph is located provided, however, the burning period first shall receive the approval of the Department Director; and

- iv) St. Louis metropolitan area. The open burning of trees, tree leaves, brush or any other type of vegetation is limited to the period beginning September 16 and ending April 14 of each calendar year and limited to a total base area not to exceed sixteen (16) square feet. Any open burning shall be conducted only between the hours of 10:00 a.m. and 4:00 p.m. and is limited to areas outside of incorporated municipalities;
- 3) Certain types of materials may be open burned provided an open burning permit is obtained from the Director. The permit will specify the conditions and provisions of all open burning. The permit may be revoked if the owner or operator fails to comply with the conditions or any provisions of the permit.
- 4) Purcell Tire and Rubber Company may be issued an annually renewable open burning permit for open burning provided that an air curtain destructor or incinerator is utilized and only tree trunks, tree limbs, vegetation or untreated wood waste are burned. Open burning shall occur at least two hundred (200) yards from the nearest occupied structure unless the owner or operator of the occupied structure provides a written waiver of this requirement. Any waiver shall accompany the open burning permit application. The permit may be revoked if Purcell Tire and Rubber Company fails to comply with the provisions or any condition of the open burning permit.
- a) In a nonattainment area, as defined in 10 CSR 10-6.020, paragraph (2)(N)5., the Director shall not issue a permit under this section unless the owner or operator can demonstrate to the satisfaction of the Director that the emissions from the open burning of the specified material would be less than the emissions from any other waste management or disposal method.
- 5) Reporting and Recordkeeping. New Source Performance Standard (NSPS) 40 CFR Part 60 Subpart CCCC establishes certain requirements for air curtain destructors or incinerators that burn wood trade waste. These requirements are established in 40 CFR 60.2245-60.2260. The provisions of 40 CFR Part 60 Subpart CCCC promulgated as of September 22, 2005, shall apply and are hereby incorporated by reference in this rule, as published by the U.S. Government Printing Office, 732 N Capitol Street NW, Washington, DC 20401. To comply with NSPS 40 CFR 60.2245-60.2260, sources must conduct an annual Method 9 test. A copy of the annual Method 9 test results shall be submitted to the Director.
- 6) Test Methods. The visible emissions from air pollution sources shall be evaluated as specified by 40 CFR Part 60, Appendix A–Test Methods, Method 9–Visual Determination of the Opacity of Emissions from Stationary Sources. The provisions of 40 CFR Part 60, Appendix A, Method 9 promulgated as of December 23, 1971, is incorporated by reference in this rule, as published by the U.S. Government Printing Office, 732 N Capitol Street NW, Washington, DC 20401.

10 CSR 10-6.050 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 10-6.080 Emission Standards for Hazardous Air Pollutants and 40 CFR Part 61 Subpart M National Emission Standard for Asbestos

- 1) The permittee shall follow the procedures and requirements of 40 CFR Part 61, Subpart M for any activities occurring at this installation which would be subject to provisions for 40 CFR Part 61, Subpart M, National Emission Standard for Asbestos.

- 2) The permittee shall conduct monitoring to demonstrate compliance with registration, certification, notification, and Abatement Procedures and Practices standards as specified in 40 CFR Part 61, Subpart M.

10 CSR 10-6.100 Alternate Emission Limits

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

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

- 1) The permittee shall submit full emissions report either electronically via MoEIS, which requires Form 1.0 signed by an authorized company representative, or on Emission Inventory Questionnaire (EIQ) paper forms on the frequency specified in this rule and in accordance with the requirements outlined in this rule. Alternate methods of reporting the emissions, such as spreadsheet file, can be submitted for approval by the Director.
- 2) The permittee may be required by the Director to file additional reports.
- 3) Public Availability of Emission Data and Process Information. Any information obtained pursuant to the rule(s) of the Missouri Air Conservation Commission that would not be entitled to confidential treatment under 10 CSR 10-6.210 shall be made available to any member of the public upon request.
- 4) The permittee shall submit a full EIQ for the 2011, 2014, 2017, and 2020 reporting years. In the interim years the installation may submit a Reduced Reporting Form; however, if the installation's emissions increase or decrease by more than five tons when compared to their last submitted full EIQ, the installation shall submit a full EIQ rather than a Reduced Reporting Form.
- 5) The fees shall be payable to the Department of Natural Resources and shall be accompanied by the emissions report.
- 6) The permittee shall complete required reports on state supplied EIQ forms or electronically via MoEIS. Alternate methods of reporting the emissions can be submitted for approval by the Director. The reports shall be submitted to the Director by April 1 after the end of each reporting year. If the full emissions report is filed electronically via MoEIS, this due date is extended to May 1.
- 7) The reporting period shall end on December 31 of each calendar year. Each report shall contain the required information for each emission unit for the twelve (12)-month period immediately preceding the end of the reporting period.
- 8) The permittee shall collect, record and maintain the information necessary to complete the required forms during each year of operation of the installation.

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

Emission Limitation:

- 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.

Monitoring:

The permittee shall conduct inspections of its facilities sufficient to determine compliance with this regulation. If the permittee discovers a violation, the permittee shall undertake corrective action to eliminate the violation.

The permittee shall maintain the following monitoring schedule:

- 1) The permittee shall conduct weekly observations for a minimum of eight (8) consecutive weeks after permit issuance.
- 2) Should no violation of this regulation be observed during this period then-
 - a) The permittee may observe once every two (2) weeks for a period of eight (8) weeks.
 - b) If a violation is noted, monitoring reverts to weekly.
 - c) Should no violation of this regulation be observed during this period then-
 - i) The permittee may observe once per month.
 - ii) If a violation is noted, monitoring reverts to weekly.
- 3) If the permittee reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner to the initial monitoring frequency.

Recordkeeping:

The permittee shall document all readings on Attachment H, or its equivalent, noting the following:

- 1) Whether air emissions (except water vapor) remain visible in the ambient air beyond the property line of origin.
- 2) Whether the visible emissions were normal for the installation.
- 3) Whether equipment malfunctions contributed to an exceedance.
- 4) Any violations and any corrective actions undertaken to correct the violation.

10 CSR 10-6.180 Measurement of Emissions of Air Contaminants

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

10 CSR 10-6.165 Restriction of Emission of Odors

This requirement is not federally enforceable.

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

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

Emission Limitation:

No owner or other person shall cause or permit to be discharged into the atmosphere from any source any visible emissions in excess of the limits specified by this rule. This permit will contain the opacity limits identified (10, 20 or 40 percent) for the specific emission units.

Monitoring:

- 1) The permittee shall conduct opacity readings on each emission unit using the procedures contained in U.S. EPA Test Method 22. The permittee is only required to take readings when the emission unit is operating and when the weather conditions allow. If the permittee observes no visible or other significant emissions using these procedures, then no further observations are 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 permittee must maintain the following monitoring schedule:
 - a) The permittee shall conduct weekly observations for a minimum of eight (8) consecutive weeks after permit issuance.
 - b) Should the permittee observe no violations of this regulation during this period then-
 - i) The permittee may observe once every two (2) weeks for a period of eight (8) weeks.
 - ii) If a violation is noted, monitoring reverts to weekly.
 - iii) Should no violation of this regulation be observed during this period then-
 - (1) The permittee may observe once per month.
 - (2) 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:

The permittee shall maintain records of all observation results using Attachment F (or its equivalent), noting:

- 1) Whether any air emissions (except for water vapor) were visible from the emission units;
- 2) All emission units from which visible emissions occurred;
- 3) Whether the visible emissions were normal for the process;
- 4) The permittee shall maintain records of any equipment malfunctions, which may contribute to visible emissions (See attachment E); and,
- 5) The permittee shall maintain records of all U.S. EPA Method 9 opacity tests performed (Attachment I).

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

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

Title VI – 40 CFR Part 82 Protection of Stratospheric Ozone

- 1) The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:
 - a) All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to §82.106.
 - b) The placement of the required warning statement must comply with the requirements pursuant to §82.108.
 - c) The form of the label bearing the required warning statement must comply with the requirements pursuant to §82.110.
 - d) No person may modify, remove, or interfere with the required warning statement except as described in §82.112.
- 2) The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners (MVACs) in Subpart B:
 - a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to §82.156.
 - b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to §82.158.

- c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to §82.161.
 - d) Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping 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.
 - 5) 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)(E)2 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 Recordkeeping 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's 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, recordkeeping, 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 semi-annually (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 April 1st, unless the applicable requirement specifies more frequent submission. These certifications shall be submitted to the Air Pollution Control Program's 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 recordkeeping 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's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as well as EPA Region VII, 901 North 5th Street, Kansas City, KS 66101, no later than the next annual emissions report. This written notice shall describe each change, including the date, any change in emissions, pollutants emitted and any applicable requirement that would apply as a result of the change; and
 - c) The permittee shall keep a record describing all changes made at the installation that result in emissions of a regulated air pollutant subject to an applicable requirement and the emissions resulting from these changes.

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

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

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

This permit may be reopened for cause if:

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

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

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

VI. Attachments

Attachments follow.

ATTACHMENT A
 PM₁₀ Emissions Tracking Record

This sheet covers the period from _____ to _____.
 (month, year) (month, year)

Emission Unit	Column A Throughput	Column B PM₁₀ Emission Factor	Column C PM₁₀ Monthly Emissions (tons)⁴	Column D
Boilers (EP1B and EP3) ¹				
Truck Tire Buffing (EP4) ²				
OTR Tire Buffing(EP7 and EP8) ³				
(1)Total PM ₁₀ emissions for this month ⁶				
(2)12 Month PM ₁₀ emissions from previous month's worksheet ⁷				
(3)Total PM ₁₀ emissions from first month of previous year's worksheet ⁸				
(4)Current 12 month total PM ₁₀ emissions ⁹				

¹The emission factor used for boilers is 7.6 lb PM₁₀/MMCF. This emission factor comes from webFIRE for SCC code 10200602. The installation shall use this emission factor until a different emission factor is approved by the Air Pollution Control Program

²The emission factor used for truck tire buffing in the development of this operating permit is 0.014 lb PM₁₀/tire. This emission factor includes emission reductions from the control device. This emission factor comes from stack testing conducted on January 10, 2001. The installation shall use this emission factor until a different emission factor is approved by the Air Pollution Control Program.

³The emission factor used for OTR tire buffing in the development of this operating permit is .0814 lb PM₁₀/tire. This emission factor includes the reductions from the control device. This emission factor comes from Construction Permit #062000-026A. The installation shall use this emission factor until a different emission factor is approved by the Air Pollution Control Program.

⁴Column C=Column A*Column B. Column A is number of tires or MMCF burned

⁵Sum of the last 12 consecutive monthly PM₁₀ emissions totals including the current month.

⁶Sum of emissions reported in Column C.

⁷Running 12 month total of PM₁₀ emissions.

⁸PM₁₀ emissions reported for this month in the last rolling 12 month period

⁹Amount reported in (2) minus amount reported in (3) plus amount reported in (1). **Less than 100 tons indicates compliance.**

ATTACHMENT B
 VOC Emissions Tracking Record

This sheet covers the period from _____ to _____.
 (month, year) (month, year)

Emission Unit	Column A Throughput	Column B VOC Emission Factor	Column C VOC Monthly Emissions (tons) ⁴	Column D
Boilers (EP1B and EP3) ¹				
Truck Tire Buffing (EP4) ²				
OTR Tire Buffing(EP7 and EP8) ³				
(1)Total VOC emissions for this month ⁶				
(2)12 Month VOC emissions from previous month's worksheet ⁷				
(3)Total VOC emissions from first month of previous year's worksheet ⁸				
(4)Current 12 month total VOC emissions ⁹				

¹The emission factor used for boilers is 5.5 lb VOC/MMCF. This emission factor comes from webFIRE for SCC code 10200602. The installation shall use this emission factor until a different emission factor is approved by the Air Pollution Control Program.

²The emission factor used for truck tire buffing in the development of this operating permit is 0.6 lb VOC/tire. This emission factor comes from webFIRE for SCC code 30800501. The installation shall use this emission factor until a different emission factor is approved by the Air Pollution Control Program.

³The emission factor used for OTR tire buffing in the development of this operating permit is 0.6 lb VOC/tire. This emission factor comes from webFIRE for SCC code 30800501. The installation shall use this emission factor until a different emission factor is approved by the Air Pollution Control Program.

⁴Column C=Column A*Column B. Column A is number of tires or MMCF burned

⁵Sum of the last 12 consecutive monthly VOC emissions totals including the current month.

⁶Sum of emissions reported in Column C.

⁷Running 12 month total of VOC emissions

⁸VOC emissions reported for this month in the last rolling 12 month period

⁹Amount reported in (2) minus amount reported in (3) plus amount reported in (1). **Less than 100 tons indicates compliance.**

ATTACHMENT G
 Monthly VOC Emissions Tracking Records

This sheet covers the month of _____ in the year _____.

Copy this sheet as needed.

Column A	Column B	Column C	Column D	Column E
Emission Point	Raw Material Throughput (gal) (Note 1)	VOC Content (lbs/gal)	Percent VOC in Raw Material (Fraction) (Note 2)	Monthly VOC Emissions (lbs) (Note 3)
Cement Spray Application (EP5)				
General Rubber Solvent (EP6 & EP9)				
Other (Specify)				
Other (Specify)				
Total VOC Emissions for this Month (tons)			(Note 4)	
12-Month VOC Emissions Total From Previous Month's Worksheet (tons)			(Note 5)	
Monthly VOC Emissions Total From Previous Year's Worksheet (tons)			(Note 6)	
Current 12-Month Total VOC Emissions (tons)			(Note 7)	

Note 1: Enter the amount of raw material processed through each emission point for this month.

Note 2: Percent of VOC in raw material. If the MSDS has 55%, enter 0.55 in Column C.

Note 3: Column E = (Column B) x (Column C) x (Column D)

Note 4: Sum of emissions reported in Column D divided by 2000.

Note 5: Running 12-month total of VOC emissions.

Note 6: VOC emissions reported for this month in the last calendar year.

Note 7: Amount reported in Note 5 minus amount reported in Note 6 plus amount reported in Note 4. **Less than 40 tons indicates compliance**

ATTACHMENT J
 10 CSR 10-3.060 Compliance Demonstration

This attachment may be used to demonstrate that the listed emission units are in compliance with 10 CSR 10-3.060 *Maximum Allowable Emission of Particulate Matter from Fuel Burning Equipment Used for Indirect Heating*. Installation's Total Heat Input (Q) in MMBtu/hr:

Emission Unit	Description	MHDR (MMBtu/hr)
EP1B	Boiler	11.72
EP3	Boiler	10
Total Q		21.72

The maximum allowable PM emission limitation for new indirect heating sources having an intermediate total heat input between 10 MMBtu and 1,000 MMBtu is determined by the following equation: [10 CSR 10-3.030(5)(B)]

$$E = 1.31(Q)^{-0.338} = 1.31(21.72)^{-0.338} = 0.46$$

Emission Unit	Description	Emission Factor (lb/MMscf)	Emission Factor (lb/MMBtu)	Emission Limit (lb/MMBtu)
EP1B	Boiler	7.6	0.0072	0.46
EP3	Boiler	7.6	0.0072	0.46

The emission factor was taken from FIRE for Process SCC 10200602. The average heating value of 1,050 Btu/scf for natural gas used to convert the emission factor from lb/MMscf to lb/MMBtu was taken from AP-42 Appendix A. The calculations demonstrate that the emission unit has worst-case emissions far below the applicable emission limit while being properly maintained and operated; therefore, no monitoring or recordkeeping other than maintenance records are required while combusting natural gas. The emission unit is in compliance with the emission limit without the aid of a control device; therefore, 40 CFR Part 64 *Compliance Assurance Monitoring* is not applicable.

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 September 7, 2010
- 2) 2010 Emissions Inventory Questionnaire, received March 31, 2011; and
- 3) U.S. EPA Document AP-42, *Compilation of Air Pollutant Emission Factors*; Volume I, Stationary Point and Area Sources, Fifth Edition.
- 4) webFIRE
- 5) Construction Permit #0798-027
- 6) Construction Permit #0998-008
- 7) Construction Permit #062000-026
- 8) Construction Permit #062000-026A
- 9) No Permit Required Project # 2000-01-016
- 10) Construction Permit #0998-008A

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 10-6.260 Restriction of Emission of Sulfur Compounds

This regulation does not apply to the boilers because they burn natural gas exclusively, see 6.260(1)(A)2.

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

This regulation does not apply to the tire grinding operations (EP4, EP7, and EP8) because they have a federally enforceable requirement to operate control devices that achieve at least 90 percent control of particulate matter emissions, see 6.400(1)(A)15.

10 CSR 10-6.405 Restriction of Particulate Matter Emissions From Fuel Burning Equipment Used for Indirect Heating

This rule is not applicable to the installation and has not been applied within this permit. 10 CSR 10-6.405(1)(E) exempts installations that are fueled exclusively by natural gas. 10 CSR 10-6.405 has not yet been accepted into Missouri's SIP.

Construction Permit History

The following construction permits were issued to this installation:

- 1) Construction Permit #0798-027
This permit was issued on June 18, 1998, to authorize installation of a 300 HP (10.04 MMBtu/hr) natural gas fired boiler. There are no special conditions in this permit.
- 2) Construction Permit #0998-008
This permit was issued on July 31, 1998, to authorize the replacement of a 150 hp (6.4 MMBtu/hr) natural gas fired boiler with a 350 hp (11.72 MMBtu/hr) natural gas fired boiler. There are no special conditions in this permit.
- 3) Construction Permit #062000-026
This permit was issued on June 9, 2000, to authorize the installation of truck buffing lines and a spray cement application. This permit has been replaced by Construction Permit 062000-026A.
- 4) No Permit Required Project # 2000-01-016
This project authorizes the installation of a cyclone between the tire buffers and the existing trailer used for PM₁₀ emissions control. The tire buffers have existing filters and the cyclone will be installed before the filters to reduce the volume and pressure of air being blown into the trailer. This reduces the amount of particles being carried through the fabric filters. The cyclone will be a pre-filter and will reduce the emissions and extend the life of the filters. Since there is no emissions increase, a construction permit is not required.
- 5) Construction Permit #062000-026A
This permit was issued on June 30, 2000, to amend Construction Permit #062000-026. This permit replaces permit #062000-026 and contains special conditions which appear in this operating permit.
Special Condition 5 is not included in the Operating Permit. It requires stack testing on the emission control devices for the two tire buffing lines. This testing was completed on January 10, 2001, and was accepted by the Air Pollution Control Program on March 12, 2001. The results indicate that the maximum hourly design rate is 76.6 tires per hour, with an emission rate of 0.014 lbs PM₁₀/tire, after the cyclone. This construction permit contains appendices which explain the development of emission factors for these processes. These emission factors and associated control device efficiencies were used in the development of this operating permit.
- 6) Construction Permit #0998-008A
The installation submitted a request to include an alternate compliance method for 40 CFR Part 60 Subpart Dc-Standards of Performance of Small Industrial-Commercial-Institutional Steam Generating Units. This project number was created to document the submittal. The request itself

was forwarded to the Air Pollution Control Program's Enforcement Section, and was approved. The original Construction Permit #0998-008 was not changed.

Equipment Removed

The following equipment was removed from this installation:

- 1) Natural gas fired 150 hp boiler, constructed pre-May 1982, removed 1999.
- 2) Matteuzzi, Model RAS-90/5238, constructed 1997, removed August 2011.
- 3) Lodi, Model D98/103, installed before 1980, removed 1998.

New Source Performance Standards (NSPS) Applicability

40 CFR Part 60 Subpart BBB –Standards of Performance for the Rubber Tire Manufacturing Industry

This standard applies to the affected facilities identified in Sec. 60.540(a) which are located in rubber tire manufacturing plants. A "tire" is defined in Subpart BBB as any agricultural, airplane, industrial, mobile home, light duty truck and/or passenger vehicle tire that has a bead diameter less than or equal to 0.5 meter (19.7 inches) and a cross section dimension less than or equal to 0.325 meter (12.8 inches), and that is mass produced in an assembly-line fashion. Based on a review of the background documents for Subpart BBB, the types of operations evaluated in the development of the standard were those associated with the production of new tires. New tire manufacturing is described as consisting of the production of component parts of tires, the assembly of those components into a raw "green" tire, curing, and finishing to yield a complete tire. A "green tire" is defined in the rule as an assembled, uncured tire. If a facility only retreads used tires, it is not considered a rubber tire manufacturing plant and is not regulated by Subpart BBB. (See EPA Applicability Determination Index Document Control # 0500031)

40 CFR Part 60 Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units

The boilers at this installation only combust natural gas therefore they are only subject the requirement to keep fuel records.

40 CFR Part 60, Subpart K -Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978

40 CFR Part 60, Subpart Ka-Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984

40 CFR Part 60, Subpart Kb-Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984

These regulations do not apply to the storage tanks. The smallest size tank covered by these regulations is 19,813 gallons. The storage tanks at this installation have capacities less than the applicability threshold.

Maximum Achievable Control Technology (MACT) Applicability

40 CFR Part 63 Subpart XXXX—National Emissions Standards for Hazardous Air Pollutants: Rubber Tire Manufacturing

The production of retread tires would be subject to 40 CFR Part 63, NESHAP Subpart XXXX, if the facilities were located at, or were part of, a major source of HAP emissions (Sec. 63.5981). Discussions concerning retread tire facilities are found in the preamble to Subpart XXXX (Federal Register Vol. 67, No. 131, July 9, 2002, pages 45,590-45,591). The preamble states that tire retread operations are included in the tire production category considered in the development of Subpart XXXX and are subject to that standard if they meet the applicability criteria. However, the installation has federally enforceable limitations that limit the HAP emissions to less than major source thresholds. Since the installation is not a major source of HAP this rule does not apply.

60 CFR Part 63 Subpart JJJJJ—National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers Area Sources

Natural gas fired boilers are not subject to this regulation per §63.11195(e)

40 CFR Part 63, Subpart T- National Emission Standards for Halogenated Solvent Cleaning

The provisions of this subpart apply to each individual batch vapor, in-line vapor, in-line cold, and batch cold solvent cleaning machine that uses any solvent containing methylene chloride (CAS No. 75-09-2), perchloroethylene (CAS No. 127-18-4), trichloroethylene (CAS No. 79-01-6), 1,1,1-trichloroethane (CAS No. 71-55-6), carbon tetrachloride (CAS No. 56-23-5) or chloroform (CAS No. 67-66-3), or any combination of these halogenated HAP solvents, in a total concentration greater than 5 percent by weight, as a cleaning and/or drying agent.

The installation does not use any of these solvents, therefore this regulation does not apply.

National Emission Standards for Hazardous Air Pollutants (NESHAP) Applicability

None

Other Regulatory Determinations

Voluntary Limit on VOC Emissions

According to potential to emit calculations the installation has the potential to emit VOC in amounts greater than 100 tons per year. In order to qualify for the intermediate operation permit a limitation on VOC emissions is required. Potential VOC emissions are shown below.

EP	MHDR	Emission Factor	EF Source	PTE (tons/year)
EP01B	11.72 MMBtu/hr	0.00539 lbs/MMBtu	SCC 10200602	0.28
EP03	10 MMBtu/hr	0.00539 lbs/MMBtu	SCC 10200602	0.28
EP04	76.6 tires/hr	0.6 lb/tire	SCC 30800501	201.3
EP07 & 08	12 tires/hr	0.6 lb/tire	SCC 30800501	31.54
EP05 & 09	13.36 tires/hr			40
EP06	90 tires/hr			
Sum:				273.33

Voluntary Limit on HAP Emissions

The current operating permit establishes a plant-wide limitation on HAP emissions to less than the major source threshold. However, Construction Permit #062000-026A contains a HAP limitation that applies only to EP 5,6, and 9. The plant-wide limitation was carried over into this operating permit to ensure that the installation is classified as an area source of HAP for regulatory purposes.

10 CSR 10-3.060 *Maximum Allowable Emission of Particulate Matter From Fuel Burning Equipment Used for Indirect Heating* was rescinded by the State of Missouri on October 30, 2011 and replaced by 10 CSR 10-6.405 *Restriction of Particulate Matter Emissions From Fuel Burning Equipment Used for Indirect Heating*. 10 CSR 10-3.060 has not yet been removed from Missouri’s State Implementation Plan (SIP) and is, therefore, still federally enforceable, but not state enforceable (see Permit Condition (EP1B and EP3)-003). 10 CSR 10-3.060 will no longer be federally enforceable upon removal from Missouri’s SIP.

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:

Colin Janssen
Environmental Engineer

CERTIFIED MAIL: 70093410000193527708
RETURN RECEIPT REQUESTED

Mr. Brian Hayes
Purcell Tire and Rubber Company
P.O. Box 100
Potosi, MO 63664

Re: Purcell Tire and Rubber Company, 221-0022
Permit Number: **OP2012-010**

Dear Mr. Hayes:

Enclosed with this letter is your intermediate operating permit. Please review this document carefully. Operation of your installation in accordance with the rules and regulations cited in this document is necessary for continued compliance. It is very important that you read and understand the requirements contained in your permit.

You may appeal this permit to the Administrative Hearing Commission (AHC), P.O. Box 1557, Jefferson City, MO 65102, as provided in RSMo 643.078.16 and 621.250.3. If you choose to appeal, you must file a petition with the AHC within thirty (30) days after the date this decision was mailed or the date it was delivered, whichever date was earlier. If you send your appeal by registered or certified mail, we will deem it filed on the date you mailed it. If you send your appeal by a method other than registered or certified mail, we will deem it filed on the date the AHC receives it.

If you have any questions or need additional information regarding this permit, please do not hesitate to contact Colin Janssen at the Department's Air Pollution Control Program, P.O. Box 176, Jefferson City, MO 65102, or by telephone at (573) 751-4817. Thank you for your time and attention to this matter.

Sincerely,

AIR POLLUTION CONTROL PROGRAM

Michael J. Stansfield, P.E.
Operating Permit Unit Chief

MJS/cjk

Enclosures

c: Southeast Regional Office
PAMS File: 2010-09-026