



Missouri Department of Natural Resources
Air Pollution Control Program

PART 70 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.

Operating Permit Number: OP2009-025B
Expiration Date: August 17, 2014
Installation ID: 187-0048
Project Number: 2012-06-013

Installation Name and Address

Siegel-Robert Automotive Farmington
2055 Progress Drive
Farmington, MO 63624
St. Francois County

Parent Company's Name and Address

SRG Global, Inc.
240 Larkin Williams Industrial Court
Fenton, MO 63026

Installation Description:

Siegel-Robert Automotive Farmington manufactures chrome-plated and painted parts for the automotive and appliance industries. Plastic mold material is received at the installation in pelletized form. The material is heated and injected under high pressure into molds in molding machines to form the desired part. The plastic parts are then chrome-plated and/or painted. The installation is a major source of volatile organic compounds (VOC) and a synthetic minor source of (HAP).

This is an amended operating permit to include Construction Permit 062002-009B; therefore, the expiration date has not changed.

JUL 10 2013

Effective Date


Director or Designee
Department of Natural Resources

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I. Installation Description and Equipment Listing

INSTALLATION DESCRIPTION

Siegel-Robert Automotive Farmington manufactures chrome-plated and painted parts for the automotive and appliance industries. Plastic mold material is received at the installation in pelletized form. The material is heated and injected under high pressure into molds in molding machines to form the desired part. The plastic parts are then chrome-plated and/or painted.

The installation is a major source of VOC and a synthetic minor source of HAP.

Changes to OP2009-025 and OP2009-025A include:

- ♦ Updating the Reported Air Pollutant Emissions table in Section I to include 2008 – 2011 EIQ reported emissions.
- ♦ Permit Conditions PW001 and 001 were revised to include Construction Permit 062002-009B.
- ♦ Updates to conform with current style and formatting.
- ♦ 40 CFR Part 63, Subpart N standards were revised as this regulation was amended September 19, 2012.
- ♦ 10 CSR 10-3.060 *Maximum Allowable Emissions of PM from Fuel Burning Equipment Used for Indirect Heating* was removed from the permit as this regulation was rescinded October 30, 2011 and replaced by 10 CSR 10-6.405 *Restriction of PM Emissions from Fuel Burning Equipment Used for Indirect Heating*. 10 CSR 10-6.405 is not applicable to the installation per 10 CSR 10-6.405(1)(E) as the installation only burns natural gas.

Reported Air Pollutant Emissions, tons per year					
Pollutants	2011	2010	2009	2008	2007
Carbon Monoxide (CO)	0.25	0.26	0.26	0.21	0.20
Ammonia (NH ₃)	7.73	10.59	15.15	14.08	20.51
Nitrogen Oxides (NO _x)	4.10	4.21	4.33	3.52	3.32
Pri. Particulate Matter ≤ Ten Microns (PM ₁₀)	0.10	0.11	0.11	0.13	0.21
Sulfur Oxides (SO _x)	0.02	0.02	0.02	0.02	0.02
Volatile Organic Compounds (VOC)	20.88	24.01	23.13	29.67	55.21
Hazardous Air Pollutants (HAP)	0.53	0.83	2.83	5.06	3.59
Toluene (108-88-3)	0.17	0.26	1.11	3.06	1.72
Ethylbenzene (100-41-4)	0.14	0.09	0.43	0.50	0.46
Methanol (67-56-1)	0.11	0.07	0.05	0.18	0.06
Xylene (1330-20-7)	0.11	0.28	1.24	1.31	1.34
Perchloroethylene (127-18-4)	-	0.10	-	-	-
Trichloroethylene (79-01-6)	-	0.03	-	-	-

EMISSION UNITS WITH LIMITATIONS

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

Emission Unit	Description
EP-1	Spray Paint Booths 1, 2, 6 – 8, 10 – 12, and 14 - 27
EP-2	Electroless Nickel Plating, Nickel Electroplating, and Decorative Chromium Electroplating

EMISSION UNITS WITHOUT LIMITATIONS

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

Emission Unit	Description
EP-1	Roller Paint Booths 3 - 5
EP-2	Copper Electroplating
EP-5	Two natural gas-fired boilers, one 8.5 MMBtu/hr and one 0.85 MMBtu/hr
EP-6	Miscellaneous natural gas-fired equipment, 71.04 MMBtu/hr total
EP-7	Plating Rack Stripping Tank
EP-8	Grinding
	Injection Molding
	2,000 gallon N-Butyl Acetate or Acetone Tank
	Two 2,000 gallon Acetone Tanks
	2,000 gallon Anhydrous Ammonia Tank
	6,000 gallon Hydrochloric Acid Tank
	Two 7,400 gallon Nitric Acid Tanks
	Two 3,000 gallon Sulfuric Acid Tanks

II. Plant Wide Emission Limitations

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

PERMIT CONDITION PW001

10 CSR 10-6.060 Construction Permits Required
Construction Permit 062002-009B, Issued February 6, 2013

Emission Limitations:

Special Condition 2.A: The permittee shall not emit into the atmosphere in excess of the listed amounts of the following pollutants in any consecutive 12-month period from the entire installation:

Pollutant	Emission Limitation (tons)
Individual HAP	Screening Model Action Level (SMAL) ¹
Combined HAP	25.0
VOC	250.0

¹A SMAL list is available at: <http://www.dnr.mo.gov/env/apcp/docs/cp-hapraltbl6.pdf>

Monitoring/Recordkeeping:

Special Condition 2.B: The permittee shall maintain an accurate record of VOC and HAP emitted into the atmosphere from the entire installation. The permittee shall record the monthly and rolling 12-month totals of VOC and HAP emissions from the entire installation. The permittee shall use Attachment E - *Monthly VOC Tracking Record*, Attachment F - *Monthly Combined HAP Tracking Record*, and Attachment G - *Monthly Individual HAP Tracking Record* (Note: the permittee may make as many copies of these attachments as necessary so that each individual HAP emitted is tracked), or equivalent forms, such as electronic forms, approved by the Air Pollution Control Program for this purpose. The permittee shall maintain all records required by this permit, onsite, for the 60 most recent months and shall immediately make such records available to any Missouri Department of Natural Resources' personnel upon request. These records shall include Material Safety Data Sheets (MSDS) for all materials used.

Reporting:

1. Special Condition 2.C: The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, Missouri 65102, no later than ten days after the end of the month during which records indicate an exceedance of an emission limitation.
2. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

III. Emission Unit Specific Emission Limitations

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

PERMIT CONDITION 001			
10 CSR 10-6.060 Construction Permits Required			
Construction Permit 062002-009B, Issued February 6, 2013 and			
10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants			
Emission Unit	Description	Stack #	Manufacturer /Model #
EP-1	Paint Booth 1 - Spray and Wipe: MHDR 1.5 gal/hr; installed 2002	1S13	Selective Masking
	Paint Booth 2 - Spray and Wipe: MHDR 5.0 gal/hr; installed 2002	1S11	Siegel-Robert
	Paint Booth 10 - Automatic: MHDR 1.5 gal/hr; installed 2002	1S08	Theirica
	Paint Booth 11 - Automatic: MHDR 1.5 gal/hr; installed 2002		
	Paint Booth 12 - Automatic: MHDR 1.5 gal/hr; installed 2002		
	Paint Booth 14 - Spray: MHDR 2.0 gal/hr; installed 2002	1S12	Siegel-Robert
	Paint Booth 15 - Spray: MHDR 2.0 gal/hr; installed 2002	1S14	Fluid-Air
	Paint Booth 16 - Spray: MHDR 2.0 gal/hr; installed 2002	1S15	
	Paint Booth 17 - Spray: MHDR 2.0 gal/hr; installed 2002	1S16	
	Paint Booth 18 - Spray: MHDR 2.0 gal/hr; installed 2002	1S17	
	Paint Booth 19 - Spray: MHDR 2.0 gal/hr; installed 2002	1S18	Siegel-Robert
	Paint Booth 24 - Spray: MHDR 2.0 gal/hr; installed 2002	1S19	
	Paint Booth 25 - Spray: MHDR 2.0 gal/hr; installed 2002	1S20	
	Paint Booth 26 - Spray: MHDR 5.0 gal/hr; installed 2002	1S21	
	Paint Booth 27 - Spray: MHDR 2.0 gal/hr; installed 2002	1S24	
	Paint Booth 6 - Spray: MHDR 8.0 gal/hr; installed 2002	1S02	System Technologies
	Paint Booth 7 - Spray; installed 2002	1S03	
	Paint Booth 8 - Spray: MHDR 2.0 gal/hr; installed 2002	1S04	
	Paint Booth 20 - Robotic: MHDR 2.0 gal/hr; installed 2002	1S01	Siegel-Robert
	Paint Booth 21 - Robotic: MHDR 5.0 gal/hr; installed 2002	1S07	
Paint Booth 22 - Robotic: MHDR 5.0 gal/hr; installed 2002	1S09		
Paint Booth 23 - Robotic: MHDR 5.0 gal/hr; installed 2002	1S10		

Emission Limitations:

1. The permittee shall not cause or permit to be discharged into the atmosphere from these emission sources any visible emissions with an opacity greater than 20 percent.
2. Exception: The permittee may discharge into the atmosphere from any source of emissions for a period aggregating not more than six minutes in any 60 minutes air contaminants with an opacity up to 60 percent.

Operational Limitations:

1. Special Condition 3.A: The permittee shall control PM emissions from each spray painting booth using particulate filters.
2. Special Condition 3.B: These filters shall be maintained in accordance with the manufacturer’s specifications. The manufacturer’s specifications shall be retained onsite.

3. Special Condition 3.C: Replacement filters shall be kept on hand at all times. The filters shall be made of fibers appropriate for operating conditions expected to occur (i.e. temperature limits, acidic and alkali resistance, and abrasion resistance).

Recordkeeping:

1. Special Condition 3.D: The permittee shall maintain an operating and maintenance log for the filters which shall include the following:
 - a) Incidents of malfunction, with impact on emissions, duration of event, probable cause, and corrective actions; and
 - b) Maintenance activities, with inspection schedule, repair actions, and replacements, etc.
2. These records shall be made available immediately for inspection to the Department of Natural Resources' personnel upon request.
3. All records shall be maintained for five years.

Reporting:

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

PERMIT CONDITION 002	
10 CSR 10-6.075 Maximum Achievable Control Technology Regulations 40 CFR Part 63, Subpart WWWW - National Emission Standards for Hazardous Air Pollutants: Area Source Standards for Plating and Polishing Operations	
Emission Unit	Description
EP-2	Electroless Nickel Plating: preplate electroless deposition of nickel operation; equipped with wet scrubbers; construction date 2002
	Nickel Electroplating: preplate electrolytic deposition of nickel operation; equipped with wet scrubbers; construction date 2002

Note: The following permit condition applies to electroless nickel plating and electrolytic nickel electroplating tanks using a control device.

Work Practice Standards:

1. The permittee shall comply with the requirements in §63.11507(a)(2), and implement the applicable management practices in §63.11507(g), as practicable. [§63.11507(a)]
 - a) The permittee shall capture and exhaust emissions from the affected tank(s) to any one of the following emission control devices: composite mesh pad, packed bed scrubber, or mesh pad mist eliminator, according to the following requirements: [§63.11507(a)(2)]
 - i) The permittee shall operate all capture and control devices according to the manufacturer's specifications and operating instructions. [§63.11507(a)(2)(i)]
 - ii) The permittee shall keep the manufacturer's specifications and operating instructions at the facility at all times in a location where they can be easily accessed by the operators. [§63.11507(a)(2)(ii)]
 - b) *Management Practices.* The permittee shall implement the following applicable management practices, as practicable: [§63.11507(g)]
 - i) Minimize bath agitation when removing any parts processed in the tank, as practicable except when necessary to meet part quality requirements. [§63.11507(g)(1)]

- ii) Maximize the draining of bath solution back into the tank, as practicable, by extending drip time when removing parts from the tank; using drain boards (also known as drip shields); or withdrawing parts slowly from the tank, as practicable. [§63.11507(g)(2)]
- iii) Optimize the design of barrels, racks, and parts to minimize dragout of bath solution (such as by using slotted barrels and tilted racks, or by designing parts with flow-through holes to allow the tank solution to drip back into the tank), as practicable. [§63.11507(g)(3)]
- iv) Use tank covers, if already owned and available at the facility, whenever practicable. [§63.11507(g)(4)]
- v) Minimize or reduce heating of process tanks, as practicable (e.g., when doing so would not interrupt production or adversely affect part quality). [§63.11507(g)(5)]
- vi) Perform regular repair, maintenance, and preventive maintenance of racks, barrels, and other equipment associated with affected sources, as practicable. [§63.11507(g)(6)]
- vii) Minimize bath contamination, such as through the prevention or quick recovery of dropped parts, use of distilled/de-ionized water, water filtration, pre-cleaning of parts to be plated, and thorough rinsing of pre-treated parts to be plated, as practicable. [§63.11507(g)(7)]
- viii) Maintain quality control of chemicals, and chemical and other bath ingredient concentrations in the tanks, as practicable. [§63.11507(g)(8)]
- ix) Perform general good housekeeping, such as regular sweeping or vacuuming, if needed, and periodic washdowns, as practicable. [§63.11507(g)(9)]
- x) Minimize spills and overflow of tanks, as practicable. [§63.11507(g)(10)]
- xi) Use squeegee rolls in continuous or reel-to-reel plating tanks, as practicable. [§63.11507(g)(11)]
- xii) Perform regular inspections to identify leaks and other opportunities for pollution prevention. [§63.11507(g)(12)]

Monitoring:

1. The permittee shall be in compliance with the applicable management practices and equipment standards in 40 CFR Part 63, Subpart WWWW at all times. [§63.11508(b)]
2. *Initial Compliance.* The permittee shall demonstrate initial compliance according to the following requirements: [§63.11508(c)(2)]
 - a) The permittee shall install a control system designed to capture emissions from the affected tank and exhaust them to a composite mesh pad, packed bed scrubber, or mesh pad mist eliminator. [§63.11508(c)(2)(i)]
 - b) The permittee shall state in the Notification of Compliance Status that the permittee has installed the control system according to the manufacturer's specifications and instructions. [§63.11508(c)(2)(ii)]
 - c) The permittee shall implement the applicable management practices specified in §63.11507(g), as practicable. [§63.11508(c)(2)(iii)]
 - d) The permittee shall state in the Notification of Compliance Status that the permittee has implemented the applicable management practices specified in §63.11507(g), as practicable. [§63.11508(c)(2)(iv)]
 - e) The permittee shall follow the manufacturer's specifications and operating instructions for the control systems at all times. [§63.11508(c)(2)(v)]
3. *Continuous Compliance.* To demonstrate continuous compliance with the applicable management practices and equipment standards specified in 40 CFR Part 63, Subpart WWWW, the permittee shall satisfy the following requirements: [§63.11508(d)]

- a) The permittee shall always operate and maintain the affected source, including air pollution control equipment. [§63.11508(d)(1)]
- b) The permittee shall prepare an annual compliance certification according to the requirements specified in §63.11509(c) and keep it in a readily-accessible location for inspector review. [§63.11508(d)(2)]
- c) The permittee shall demonstrate continuous compliance according to the following requirements: [§63.11508(d)(4)]
 - i) The permittee shall operate and maintain the control system according to the manufacturer's specifications and instructions. [§63.11508(d)(4)(i)]
 - ii) Following any malfunction or failure of the capture or control devices to operate properly, the permittee shall take immediate corrective action to return the equipment to normal operation according to the manufacturer's specifications and operating instructions. [§63.11508(d)(4)(ii)]
 - iii) The permittee shall state in the annual certification that the permittee has operated and maintained the control system according to the manufacturer's specifications and instructions. [§63.11508(d)(4)(iii)]
 - iv) The permittee shall record the results of all control system inspections, deviations from proper operation, and any corrective action taken. [§63.11508(d)(4)(iv)]
 - v) The permittee shall keep the manufacturer's operating instructions at the facility at all times in a location where they can be easily accessed by the operators. [§63.11508(d)(4)(v)]
- d) The permittee shall demonstrate continuous compliance according to the following requirements: [§63.11508(d)(8)]
 - i) The permittee shall implement the applicable management practices during all times that the affected tank or process is in operation. [§63.11508(d)(8)(i)]
 - ii) The permittee shall state in the annual compliance certification that the permittee has implemented the applicable management practices, as practicable. [§63.11508(d)(8)(ii)]

General Provisions:

The permittee shall refer to Table 1 to 40 CFR Part 63, Subpart WWWW for 40 CFR Part 63, Subpart A applicability.

Recordkeeping:

1. The permittee shall keep the following records: [§63.11509(e)]
 - a) A copy of any Initial Notification and Notification of Compliance Status that the permittee submitted and all documentation supporting those notifications. [§63.11509(e)(1)]
 - b) The records specified in §63.10(b)(2)(i) through (iii) and (xiv). [§63.11509(e)(2)]
 - c) The records required to show continuous compliance with each management practice and equipment standard that applies, as specified in §63.11508(d). [§63.11509(e)(3)]
2. The permittee shall keep each record for a minimum of five years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The permittee shall keep each record onsite for at least two years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1). The permittee may keep the records offsite for the remaining three years. [§63.11509(f)]
3. These records shall be made available immediately for inspection to the Department of Natural Resources' personnel upon their verbal request and presentation of identification.

Reporting:

1. *Annual Certification.* The permittee shall prepare an annual certification of compliance report according to §63.11509(c)(2), (6), and (7). These reports do not need to be submitted unless a deviation from the requirements of 40 CFR Part 63, Subpart WWWW has occurred during the reporting year, in which case, the annual compliance report shall be submitted along with the deviation report. [§63.11509(c)]
 - a) The permittee shall state in the annual certification that they have operated and maintained the control system according to the manufacturer's specifications and instructions. [§63.11509(c)(2)]
 - b) The permittee shall state in the annual compliance certification that the permittee has implemented the applicable management practices, as practicable. [§63.11509(c)(6)]
 - c) Each annual compliance report shall be prepared no later than January 31 of the year immediately following the reporting period and kept in a readily-accessible location for inspector review. If a deviation has occurred during the year, each annual compliance report shall be submitted along with the deviation report, and postmarked or delivered no later than January 31 of the year immediately following the reporting period. [§63.11509(c)(7)]
2. If any deviations from the compliance requirements specified in 40 CFR Part 63, Subpart WWWW occurred during the year, the permittee shall report the deviations, along with the corrective action taken, and submit this report to the Director. [§63.11509(d)]

PERMIT CONDITION 003	
10 CSR 10-6.075 Maximum Achievable Control Technology Regulations 40 CFR Part 63, Subpart N - National Emission Standards for Hazardous Air Pollutants for Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks	
Emission Unit	Description
EP-2	Electroplating: two decorative chrome electroplating tanks; equipped with composite mesh pad (CMP) scrubber; construction date 2002

Note: The following permit condition applies to Decorative Chromium Electroplating tanks using a CMP scrubber.

Emission Limitations:

1. At all times, the permittee shall operate and maintain any affected source subject to the requirements of 40 CFR Part 63, Subpart N, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the permittee to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source. [§63.342(a)(1)]
2. The permittee shall comply with these requirements in §63.342 on and after the compliance dates specified in §63.343(a). All affected sources are regulated by applying maximum achievable control technology. [§63.342(a)(2)]
3. The emission limitations in §63.641 apply during tank operation and during periods of startup and shutdown as these are routine occurrences for affected sources subject to 40 CFR Part 63, Subpart N. The permittee shall refer to §63.641(b)(1) for information regarding asserting an affirmative defense under 40 CFR Part 63, Subpart N. [§63.342(b)(1)]

4. If the permittee is controlling a group of tanks with a common add-on air pollution control device, the emission limitations of §63.342(d) apply whenever any one affected source is operated. The emission limitation that applies to the group of affected sources is: [§63.342(b)(2)]
 - a) The emission limitation identified in §63.342(d) if the affected sources are performing the same type of operation (e.g., hard chromium electroplating), are subject to the same emission limitation, and are not controlled by an add-on air pollution control device also controlling nonaffected sources; [§63.342(b)(2)(i)]
 - b) The emission limitation calculated according to §63.344(e)(3) if affected sources are performing the same type of operation, are subject to the same emission limitation, and are controlled with an add-on air pollution control device that is also controlling nonaffected sources; and [§63.342(b)(2)(ii)]
 - c) The emission limitation calculated according to §63.344(e)(4) if affected sources are performing different types of operations, or affected sources are performing the same operations but subject to different emission limitations, and are controlled with an add-on air pollution control device that may also be controlling emissions from nonaffected sources. [§63.342(b)(2)(iii)]
5. *Standards for decorative chromium electroplating tanks using a chromic acid bath and chromium anodizing tanks.* During tank operation, the permittee shall control chromium emissions discharged to the atmosphere from that affected source by either: [§63.342(d)]
 - a) The permittee shall limit the concentration of total chromium in the exhaust gas stream discharged to the atmosphere to 0.007 mg/dscm (3.1×10^{-6} gr/dscf) for all existing decorative chromium electroplating tanks using a chromic acid bath and all existing chromium anodizing tanks; or [§63.342(d)(1)]
 - b) If a chemical fume suppressant containing a wetting agent is used, not allowing the surface tension of the electroplating or anodizing bath contained within the affected tank to exceed 40 dynes/cm (2.8×10^{-3} lbf/ft), as measured by a stalagmometer or 33 dynes/cm (2.3×10^{-3} lbf/ft), as measured by a tensiometer at any time during tank operation; or [§63.342(d)(3)]
 - c) After September 21, 2015, the permittee shall not add PFOS-based fume suppressants to any affected decorative chromium electroplating tank or chromium anodizing tank. [§63.342(d)(4)]

Work Practice Standards:

1. *Operation and maintenance practices.* The permittee is subject to these operation and maintenance practices: [§63.342(f)]
 - a) At all times, including periods of startup, shutdown, and malfunction, the permittee shall operate and maintain any affected source, including associated air pollution control devices and monitoring equipment, in a manner consistent with good air pollution control practices. [§63.342(f)(1)(i)]
 - b) Malfunctions shall be corrected as soon as practicable after their occurrence. [§63.342(f)(1)(ii)]
 - c) Operation and maintenance requirements established pursuant to §112 of the Act are enforceable independent of emissions limitations or other requirements in relevant standards. [§63.342(f)(1)(iii)]
 - d) Determination of whether acceptable operation and maintenance procedures are being used will be based on information available to the Director, which may include, but is not limited to, monitoring results; review of the operation and maintenance plan, procedures, and records; and inspection of the source. [§63.342(f)(2)(i)]
 - e) Based on the results of a determination made under §63.342(f)(2)(i), the Director may require the permittee to make changes to the operation and maintenance plan required by §63.342(f)(3). Revisions may be required if the Director finds that the plan: [§63.342(f)(2)(ii)]

- i) Does not address a malfunction that has occurred; [§63.342(f)(2)(ii)(A)]
- ii) Fails to provide for the proper operation of the affected source, the air pollution control techniques, or the control system and process monitoring equipment during a malfunction in a manner consistent with good air pollution control practices; or [§63.342(f)(2)(ii)(B)]
- iii) Does not provide adequate procedures for correcting malfunctioning process equipment, air pollution control techniques, or monitoring equipment as quickly as practicable. [§63.342(f)(2)(ii)(C)]
- f) *Operation and maintenance plan.* The permittee shall prepare an operation and maintenance plan no later than the compliance date. The plan is incorporated by reference into this Title V permit. The plan shall include the following elements: [§63.342(f)(3)(i)]
 - i) The plan shall specify the operation and maintenance criteria for the affected source, the add-on air pollution control device (if such a device is used to comply with the emission limits), and the process and control system monitoring equipment, and shall include a standardized checklist to document the operation and maintenance of this equipment; [§63.342(f)(3)(i)(A)]
 - ii) For sources using an add-on control device or monitoring equipment to comply with 40 CFR Part 63, Subpart N, the plan shall incorporate the operation and maintenance practices for that device or monitoring equipment, as identified in Table 1 of §63.342; [§63.342(f)(3)(i)(B)]
 - iii) If the specific equipment used is not identified in Table 1 of §63.342, the plan shall incorporate proposed operation and maintenance practices. These proposed operation and maintenance practices shall be submitted for approval as part of the submittal required under §63.343(d); [§63.342(f)(3)(i)(C)]
 - iv) The plan shall specify procedures to be followed to ensure that equipment or process malfunctions due to poor maintenance or other preventable conditions do not occur; and [§63.342(f)(3)(i)(D)]
 - v) The plan shall include a systematic procedure for identifying malfunctions of process equipment, add-on air pollution control devices, and process and control system monitoring equipment and for implementing corrective actions to address such malfunctions. [§63.342(f)(3)(i)(E)]
 - vi) The plan shall include housekeeping procedures, as specified in Table 2 of §63.342. [§63.342(f)(3)(i)(F)]
- g) If the operation and maintenance plan fails to address or inadequately addresses an event that meets the characteristics of a malfunction at the time the plan is initially developed, the permittee shall revise the operation and maintenance plan within 45 days after such an event occurs. The revised plan shall include procedures for operating and maintaining the process equipment, add-on air pollution control device, or monitoring equipment during similar malfunction events, and a program for corrective action for such events. [§63.342(f)(3)(ii)]
- h) Recordkeeping associated with the operation and maintenance plan is identified in §63.346(b). Reporting associated with the operation and maintenance plan is identified in §63.347 (g) and (h) and §63.342(f)(3)(iv). [§63.342(f)(3)(iii)]
- i) If actions taken by the permittee during periods of malfunction are inconsistent with the procedures specified in the operation and maintenance plan required by §63.342(f)(3)(i), the permittee shall record the actions taken for that event and shall report by phone such actions within two working days after commencing actions inconsistent with the plan. This report shall be followed by a letter within seven working days after the end of the event, unless the permittee makes alternative reporting arrangements, in advance, with the Director. [§63.342(f)(3)(iv)]

- j) The permittee shall keep the written operation and maintenance plan on record after it is developed to be made available for inspection, upon request, by the Director for the life of the affected source or until the source is no longer subject to the provisions of 40 CFR Part 63, Subpart N. In addition, if the operation and maintenance plan is revised, the permittee shall keep previous (i.e., superseded) versions of the operation and maintenance plan on record to be made available for inspection, upon request, by the Director for a period of five years after each revision to the plan. [§63.342(f)(3)(v)]
 - k) To satisfy the requirements of §63.342(f)(3), the permittee may use applicable standard operating procedure (SOP) manuals, Occupational Safety and Health Administration (OSHA) plans, or other existing plans, provided the alternative plans meet the requirements of §63.342. [§63.342(f)(3)(vi)]
2. The standards in §63.342 that apply to chromic acid baths shall not be met by using a reducing agent to change the form of chromium from hexavalent to trivalent. [§63.342(g)]

Table 1 to §63.342 – Summary of Operation and Maintenance Practices

Control Technique	Operation and Maintenance Practices	Frequency
Composite mesh-pad (CMP) system	1. Visually inspect device to ensure there is proper drainage, no chronic acid buildup on the pads, and no evidence of chemical attack on the structural integrity of the device	1. once per quarter.
	2. Visually inspect back portion of the mesh pad closest to the fan to ensure there is no breakthrough of chromic acid mist	2. once per quarter.
	3. Visually inspect ductwork from tank to the control device to ensure there are no leaks	3. once per quarter.
	4. Perform washdown of the composite mesh-pads in accordance with manufacturers recommendations	4. Per manufacturer.

Table 2 to §63.342 – Housekeeping Practices

For...	The permittee shall...	At this minimum frequency...
1. Any substance used in an affected chromium electroplating or chromium anodizing tank that contains hexavalent chromium.	(a) Store the substance in a closed container in an enclosed storage area or building; AND	At all times, except when transferring the substance to and from the container.
	(b) Use a closed container when transporting the substance from the enclosed storage area.	Whenever transporting substance, except when transferring the substance to and from the container.
2. Each affected tank, to minimize spills of bath solution that result from dragout. Note: this measure does not require the return of contaminated bath solution to the tank. This requirement applies only as the parts are removed from the tank. Once away from the tank area, any spilled solution shall be handled in accordance with Item 4 of these housekeeping measures.	(a) Install drip trays that collect and return to the tank any bath solution that drips or drains from parts as the parts are removed from the tank; OR	Prior to operating the tank.
	(b) Contain and return to the tank any bath solution that drains or drips from parts as the parts are removed from the tank; OR	Whenever removing parts from an affected tank.
	(c) Collect and treat in an onsite wastewater treatment plant any bath solution that drains or drips from parts as the parts are removed from the tank.	Whenever removing parts from an affected tank.
3. Each spraying operation for removing excess chromic acid from parts removed from, and occurring over, an affected tank	Install a splash guard to minimize overspray during spraying operations and to ensure that any hexavalent chromium laden liquid captured by the splash guard is returned to the affected chromium electroplating or anodizing tank	Prior to any such spraying operation.
4. Each operation that involves the handling or use of any substance used in an affected chromium electroplating or chromium anodizing tank that contains hexavalent chromium	Begin clean up, or otherwise contain, all spills of the substance. Note: substances that fall or flow into drip trays, pans, sumps, or other containment areas are not considered spills.	Within one hour of the spill.
5. Surfaces within the enclosed storage area, open floor area, walkways around affected tanks contaminated with hexavalent chromium from an affected chromium electroplating or chromium anodizing tank	(a) Clean the surfaces using one or more of the following methods: HEPA vacuuming; Hand-wiping with a damp cloth; Wet mopping; Hose down or rinse with potable water that is collected in a wastewater collection system; Other cleaning method approved by the permitting authority; OR	At least once every seven days if one or more chromium electroplating or chromium anodizing tanks were used, or at least after every 40 hours of operating time of one or more chromium electroplating or chromium anodizing tank, whichever is later.
	(b) Apply a non-toxic chemical dust suppressant to the surfaces	According to manufacturer's recommendations.
6. All buffing, grinding, or polishing operations that are located in the same room as chromium electroplating or chromium anodizing operations	Separate the operation from any affected electroplating or anodizing operation by installing a physical barrier; the barrier may take the form of plastic strip curtains	Prior to beginning the buffing, grinding, or polishing operation.
7. All chromium or chromium-containing wastes generated from housekeeping activities	Store, dispose, recover, or recycle the wastes using practices that do not lead to fugitive dust and in accordance with hazardous waste requirements	At all times.

Monitoring and Testing:

1. *Compliance dates.* [§63.343(a)]
 - a) The permittee shall comply with the emission limitations in §63.342 no later than September 19, 2014. [§63.343(a)(1)]
 - b) *Request for an extension of compliance.* To request an extension of compliance, the permittee shall do so in accordance with this paragraph and the applicable paragraphs of §63.6(i). When the permittee is requesting the extension for more than one affected source located at the facility, then only one request may be submitted for all affected sources at the facility. [§63.343(a)(6)]
 - i) If the permittee is unable to comply with a relevant standard under 40 CFR Part 63, Subpart N, the permittee may request that the Administrator (or a State, when the State has an approved Part 70 permit program and the source is required to obtain a Part 70 permit under that program, or a State, when the State has been delegated the authority to implement and enforce the emission standard for that source) grant an extension allowing the permittee up to one additional year to comply with the standard for the affected source. If the permittee requests an extension of compliance under this paragraph and is otherwise required to obtain a Title V permit, the permittee shall apply for such permit or apply to have the Title V permit revised to incorporate the conditions of the extension of compliance. The conditions of an extension of compliance granted under this paragraph will be incorporated into the permittee's Title V permit for the affected source(s) according to the provisions of 40 CFR Part 70. [§63.343(a)(6)(i)]
 - ii) Any request under this paragraph for an extension of compliance with a relevant standard shall be submitted in writing to the appropriate authority not later than six months before the affected source's compliance date as specified in §63.343. [§63.343(a)(6)(ii)]
 - c) A decorative chromium electroplating tank that uses a trivalent chromium bath that incorporates a wetting agent, and that ceases using the trivalent chromium process, shall comply with the emission limitation now applicable to the tank within one year of switching bath operation. [§63.343(a)(7)]
 - d) After March 19, 2013, the permittee shall implement the housekeeping procedures specified in Table 2 of §63.342. [§63.343(a)(8)]
2. *Methods to demonstrate initial compliance.* [§63.343(b)]
 - a) The permittee is required to conduct an initial performance test as required under §63.7, using the procedures and test methods listed in §§63.7 and 63.344. [§63.343(b)(1)]
3. *Monitoring to demonstrate continuous compliance.* The permittee shall conduct monitoring according to the type of air pollution control technique that is used to comply with the emission limitation. The monitoring required to demonstrate continuous compliance with the emission limitations is identified in §63.343 for the air pollution control techniques expected to be used. As an alternative to the daily monitoring, the permittee may install a continuous pressure monitoring system. [§63.343(c)]
 - a) *Composite mesh-pad systems.* [§63.343(c)(1)]
 - i) During the initial performance test, the permittee shall determine the outlet chromium concentration using the test methods and procedures in §63.344(c), and shall establish as a site-specific operating parameter the pressure drop across the system, setting the value that corresponds to compliance with the applicable emission limitation, using the procedures in §63.344(d)(5). The permittee may conduct multiple performance tests to establish a range of compliant pressure drop values, or may set as the compliant value the average pressure drop measured over the three test runs of one performance test and accept \pm two inches of water column from this value as the compliant range. [§63.343(c)(1)(i)]

- ii) On and after the date on which the initial performance test is required to be completed under §63.7, the permittee shall monitor and record the pressure drop across the composite mesh-pad system once each day that any affected source is operating. To be in compliance with the standards, the composite mesh-pad system shall be operated within two inches of water column of the pressure drop value established during the initial performance test, or shall be operated within the range of compliant values for pressure drop established during multiple performance tests. [§63.343(c)(1)(ii)]
 - iii) The permittee may repeat the performance test and establish as a new site-specific operating parameter the pressure drop across the composite mesh-pad system according to the requirements in §63.343(c)(1)(i) or (ii). To establish a new site-specific operating parameter for pressure drop, the permittee shall satisfy the following requirements: [§63.343(c)(1)(iii)]
 - (1) Determine the outlet chromium concentration using the test methods and procedures in §63.344(c); [§63.343(c)(1)(iii)(A)]
 - (2) Establish the site-specific operating parameter value using the procedures §63.344(d)(5); [§63.343(c)(1)(iii)(B)]
 - (3) Satisfy the recordkeeping requirements in §63.346(b)(6) through (8); and [§63.343(c)(1)(iii)(C)]
 - (4) Satisfy the reporting requirements in §63.347(d) and (f). [§63.343(c)(1)(iii)(D)]
 - iv) The requirement to operate a composite mesh-pad system within the range of pressure drop values established under §63.343(c)(1)(i) through (iii) does not apply during automatic washdown cycles of the composite mesh-pad system. [§63.343(c)(1)(iv)]
4. The permittee shall refer to §63.344 for performance test requirements and test methods under 40 CFR Part 63, Subpart N.

Recordkeeping:

- 1. The permittee shall fulfill all recordkeeping requirements outlined in §63.346 and in 40 CFR Part 63, Subpart A according to the applicability of 40 CFR Part 63, Subpart A as identified in Table 1 of 40 CFR Part 63, Subpart N. [§63.346(a)]
- 2. The permittee shall maintain the following records for each source: [§63.346(b)]
 - a) Inspection records for the add-on air pollution control device, and monitoring equipment, to document that the inspection and maintenance required by the work practice standards of §63.342(f) and Table 1 of §63.342 have taken place. The record can take the form of a checklist and should identify the device inspected, the date of inspection, a brief description of the working condition of the device during the inspection, and any actions taken to correct deficiencies found during the inspection. [§63.346(b)(1)]
 - b) Records of all maintenance performed on the affected source, the add-on air pollution control device, and monitoring equipment, except routine housekeeping practices; [§63.346(b)(2)]
 - c) Records of the occurrence, duration, and cause (if known) of each malfunction of process, add-on air pollution control, and monitoring equipment; [§63.346(b)(3)]
 - d) Records of actions taken during periods of malfunction to minimize emissions in accordance with §63.342(a)(1), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation; [§63.346(b)(4)]
 - e) Other records, which may take the form of checklists, necessary to demonstrate consistency with the provisions of the operation and maintenance plan required by §63.342(f)(3); [§63.346(b)(5)]
 - f) Test reports documenting results of all performance tests; [§63.346(b)(6)]

- g) All measurements as may be necessary to determine the conditions of performance tests, including measurements necessary to determine compliance with the special compliance procedures of §63.344(e); [§63.346(b)(7)]
 - h) Records of monitoring data required by §63.343(c) that are used to demonstrate compliance with the standard including the date and time the data are collected; [§63.346(b)(8)]
 - i) The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions, as indicated by monitoring data, that occurs during malfunction of the process, add-on air pollution control, or monitoring equipment; [§63.346(b)(9)]
 - j) The specific identification (i.e., the date and time of commencement and completion) of each period of excess emissions, as indicated by monitoring data, that occurs during periods other than malfunction of the process, add-on air pollution control, or monitoring equipment; [§63.346(b)(10)]
 - k) The total process operating time of the affected source during the reporting period; [§63.346(b)(11)]
 - l) Any information demonstrating whether a source is meeting the requirements for a waiver of recordkeeping or reporting requirements, if the source has been granted a waiver under §63.10(f); and [§63.346(b)(15)]
 - m) All documentation supporting the notifications and reports required by §63.9, §63.10, and §63.347. [§63.346(b)(16)]
3. All records shall be maintained for a period of five years in accordance with §63.10(b)(1). [§63.346(c)]
 4. These records shall be made available immediately for inspection to the Department of Natural Resources' personnel upon their verbal request and presentation of identification.

Reporting:

1. The permittee shall fulfill all reporting requirements outlined in §63.347 and in the General Provisions to 40 CFR Part 63, according to the applicability of subpart A as identified in Table 1 of subpart N. These reports shall be made to the Director. [§63.347(a)]
 - a) Reports required by 40 CFR Part 63, Subpart A and §63.347 may be sent by U.S. mail, fax, or by another courier. [§63.347(a)(1)]
 - i) Submittals sent by U.S. mail shall be postmarked on or before the specified date. [§63.347(a)(1)(i)]
 - ii) Submittals sent by other methods shall be received by the Director on or before the specified date. [§63.347(a)(1)(ii)]
 - b) If acceptable to both the Director and the permittee, reports may be submitted on electronic media. [§63.347(a)(2)]
2. *Notification of performance test.* [§63.347(d)]
 - a) The permittee shall notify the Director in writing of their intention to conduct a performance test at least 60 calendar days before the test is scheduled to begin to allow the Director to have an observer present during the test. Observation of the performance test by the Director is optional. [§63.347(d)(1)]
 - b) In the event the permittee is unable to conduct the performance test as scheduled, the provisions of §63.7(b)(2) apply. [§63.347(d)(2)]
3. *Notification of compliance status.* [§63.347(e)]
 - a) A notification of compliance status is required each time that an affected source becomes subject to the requirements of 40 CFR Part 63, Subpart N. [§63.347(e)(1)]

- b) The notification of compliance status shall be submitted to the Air Pollution Control Program. The notification shall list for each affected source: [§63.347(e)(2)]
 - i) The applicable emission limitation and the methods that were used to determine compliance with this limitation; [§63.347(e)(2)(i)]
 - ii) The test report documenting the results of the performance test, which contains the elements required by §63.344(a), including measurements and calculations to support the special compliance provisions of §63.344(e) if these are being followed; [§63.347(e)(2)(ii)]
 - iii) The type and quantity of HAP emitted by the source reported in mg/dscm or mg/hr if the permittee is using the special provisions of §63.344(e) to comply with the standards; [§63.347(e)(2)(iii)]
 - iv) For each monitored parameter for which a compliant value is to be established under §63.343(c), the specific operating parameter value, or range of values, that corresponds to compliance with the applicable emission limit; [§63.347(e)(2)(iv)]
 - v) The methods that will be used to determine continuous compliance, including a description of monitoring and reporting requirements, if methods differ from those identified in 40 CFR Part 63, Subpart N; [§63.347(e)(2)(v)]
 - vi) A description of the air pollution control technique for each emission point; [§63.347(e)(2)(vi)]
 - vii) A statement that the permittee has completed and has on file the operation and maintenance plan as required by the work practice standards in §63.342(f); [§63.347(e)(2)(vii)]
 - viii) A statement by the permittee as to whether the source has complied with the provisions of 40 CFR Part 63, Subpart N. [§63.347(e)(2)(ix)]
 - c) For sources required to conduct a performance test by §63.343(b), the notification of compliance status shall be submitted to the Administrator no later than 90 calendar days following completion of the compliance demonstration required by §63.7 and §63.343(b). [§63.347(e)(3)]
4. *Reports of performance test results.* [§63.347(f)]
- a) The permittee shall report performance test results to the Air Pollution Control Program. [§63.347(f)(1)]
 - b) Reports of performance test results shall be submitted no later than 90 days following the completion of the performance test, and shall be submitted as part of the notification of compliance status required by §63.347(e). [§63.347(f)(2)]
 - c) Within 60 days after the date of completing each performance test (defined in §63.2) as required by 40 CFR Part 63, Subpart N, the permittee shall submit the results of the performance tests, including any associated fuel analyses, required by 40 CFR Part 63, Subpart N to the EPA's WebFIRE database by using the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through the EPA's Central Data Exchange (CDX) (www.epa.gov/cdx). Performance test data shall be submitted in the file format generated through use of the EPA's Electronic Reporting Tool (ERT) (see <http://www.epa.gov/ttn/chief/ert/index.html>). Only data collected using test methods on the ERT Web site are subject to this requirement for submitting reports electronically to WebFIRE. If the permittee claims that some of the information being submitted for performance tests is confidential business information (CBI), the permittee shall submit a complete ERT file including information claimed to be CBI on a compact disk, flash drive or other commonly used electronic storage media to the EPA. The electronic media shall be clearly marked as CBI and mailed to U.S. EPA/OAPQS/CORE CBI Office, Attention: WebFIRE Administrator, MD C404-02, 4930 Old Page Rd., Durham, NC 27703. The same ERT file with the CBI omitted shall be submitted to the EPA via CDX as described earlier in this paragraph. At the discretion of the delegated authority, the permittee shall also submit these reports, including

the confidential business information, to the delegated authority in the format specified by the delegated authority. For any performance test conducted using test methods that are not listed on the ERT Web site, the permittee shall submit the results of the performance test to the Administrator at the appropriate address listed in §63.13. [§63.347(f)(3)(i)]

5. *Ongoing compliance status reports for area sources.* The requirements of this paragraph do not alleviate affected area sources from complying with the requirements of State or Federal operating permit programs under 40 CFR Part 70. [§63.347(h)]
- a) The permittee shall prepare a summary report to document the ongoing compliance status of the affected source. The report shall contain the information identified in §63.347(g)(3), shall be completed annually and retained on site, and made available to the Administrator upon request. The report shall be completed annually except as provided in §63.347(h)(2). [§63.347(h)(1)]
- b) *Reports of exceedances.* [§63.347(h)(2)]
- i) If either of the following conditions is met, semi-annual reports shall be prepared and submitted to the Administrator: [§63.347(h)(2)(i)]
- (1) The total duration of excess emissions (as indicated by the monitoring data collected by the permittee in accordance with §63.343(c)) is one percent or greater of the total operating time for the reporting period; or [§63.347(h)(2)(i)(A)]
- (2) The total duration of malfunctions of the add-on air pollution control device and monitoring equipment is five percent or greater of the total operating time. [§63.347(h)(2)(i)(B)]
- ii) Once the permittee reports an exceedance as defined in §63.347(h)(2)(i), ongoing compliance status reports shall be submitted semi-annually until a request to reduce reporting frequency under §63.347(h)(3) is approved. [§63.347(h)(2)(ii)]
- iii) The Administrator may determine on a case-by-case basis that the summary report shall be completed more frequently and submitted, or that the annual report shall be submitted instead of being retained on site, if these measures are necessary to accurately assess the compliance status of the source. [§63.347(h)(2)(iii)]
- c) *Request to reduce frequency of ongoing compliance status reports.* [§63.347(h)(3)]
- i) If the permittee is required to submit ongoing compliance status reports on a semi-annual (or more frequent) basis, or is required to submit its annual report instead of retaining it on site, the permittee may reduce the frequency of reporting to annual and/or be allowed to maintain the annual report onsite if all of the following conditions are met: [§63.347(h)(3)(i)]
- (1) For one full year (e.g., two semi-annual or four quarterly reporting periods), the ongoing compliance status reports demonstrate that the affected source is in compliance with the relevant emission limit; [§63.347(h)(3)(i)(A)]
- (2) The permittee continues to comply with all applicable recordkeeping and monitoring requirements of 40 CFR Part 63, Subpart A and 40 CFR Part 63, Subpart N; and [§63.347(h)(3)(i)(B)]
- (3) The Administrator does not object to a reduced reporting frequency for the affected source, as provided in §63.347(h)(3)(ii) and (iii). [§63.347(h)(3)(i)(C)]
- ii) The frequency of submitting ongoing compliance status reports may be reduced only after the permittee notifies the Administrator in writing of their intention to make such a change, and the Administrator does not object to the intended change. In deciding whether to approve a reduced reporting frequency, the Administrator may review information concerning the source's previous performance history during the five-year recordkeeping period prior to the intended change, or the recordkeeping period since the source's compliance date, whichever is shorter. Records subject to review may include performance

test results, monitoring data, and evaluations of the permittee's conformance with emission limitations and work practice standards. Such information may be used by the Administrator to make a judgement about the source's potential for noncompliance in the future. If the Administrator disapproves the permittee's request to reduce reporting frequency, the Administrator will notify the permittee in writing within 45 days after receiving notice of the permittee's intention. The notification from the Administrator to the permittee will specify the grounds on which the disapproval is based. In the absence of a notice of disapproval within 45 days, approval is automatically granted. [§63.347(h)(3)(ii)]

- iii) As soon as the monitoring data required by §63.343(c) show that the source is not in compliance with the relevant emission limit, the frequency of reporting shall revert to semi-annual, and the permittee shall state this exceedance in the ongoing compliance status report for the next reporting period. After demonstrating ongoing compliance with the relevant emission limit for another full year, the permittee may again request approval from the Administrator to reduce the reporting frequency as allowed by §63.347(h)(3). [§63.347(h)(3)(iii)]

- 6. The permittee shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any exceedance of any of the terms imposed by this regulation, or any malfunction, which could possibly cause an exceedance of this regulation.
- 7. The permittee shall report any deviations from the requirements of this permit condition in the semi-annual monitoring report and compliance certification required by Section V of this permit.

IV. Core Permit Requirements

The installation shall comply with each of the following regulations or codes. Consult the appropriate sections in the CFR and 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. 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 residential premises having not more than four dwelling units, provided that the refuse originates on the same premises.
 - b) Yard waste.
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 permittee fails to comply with the conditions or any provisions of the permit.
4. The permittee 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 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 the permittee fails to comply with the provisions or any condition of the open burning permit.
5. Reporting and Recordkeeping. 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 §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 §60.2245 - §60.2260, sources shall 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 §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 §§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 §§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 18 months. [10 CSR 10-6.065(6)(B)1.A(V)] The permittee shall retain the most current operating permit issued to this installation on-site. [10 CSR 10-6.065(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(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 10-6.110 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 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.
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 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 PM 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 PM 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 PM 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 PM 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:

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

Recordkeeping:

1. The permittee shall document all readings on Attachment A, or its equivalent, noting the following:
 - a) Whether air emissions (except water vapor) remain visible in the ambient air beyond the property line of origin.
 - b) Whether equipment malfunctions contributed to an exceedance.
 - c) 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.

The permittee may not 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 odor evaluation shall be taken at a location outside of the installation's property boundary.

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 Air Pollution Control Program. This rule requires training providers who offer training for asbestos abatement occupations to be accredited by the 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 40 CFR Part 82, 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 40 CFR Part 82, Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in 40 CFR Part 82, 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 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 HAP"; 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 CFR and 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(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(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) October 1st for monitoring which covers the January through June time period, and
 - ii) April 1st for monitoring which covers the July through December time period.
 - iii) Exception. Monitoring requirements which require reporting more frequently than semi-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, this includes deviations or 40 CFR Part 64 exceedances.
 - 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 10 CSR 10-6.065(6)(C)7.A 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 semi-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(6)(C)1.D Risk Management Plan Under §112(r)

1. 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 §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:
 - a) June 21, 1999;
 - b) Three years after the date on which a regulated substance is first listed under §68.130; or
 - c) The date on which a regulated substance is first present above a threshold quantity in a process.

10 CSR 10-6.065(6)(C)1.F Severability Clause

In the event of a successful challenge to any part of this permit, all uncontested permit conditions shall continue to be in force. All terms and conditions of this permit remain in effect pending any administrative or judicial challenge to any portion of the permit. If any provision of this permit is invalidated, the permittee shall comply with all other provisions of the permit.

10 CSR 10-6.065(6)(C)1.G 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 pursuant to 10 CSR 10-6.065(6)(C)1.

10 CSR 10-6.065(6)(C)1.H Incentive Programs Not Requiring Permit Revisions

No permit revision will be required for any installation changes made under any approved economic incentive, marketable permit, emissions trading, or other similar programs or processes provided for in this permit.

10 CSR 10-6.065(6)(C)1.I Reasonably Anticipated Operating Scenarios

None.

10 CSR 10-6.065(6)(C)3 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 EPA Region VII, 11201 Renner Blvd., Lenexa, KS 66219, as well as the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102. All deviations and 40 CFR Part 64 exceedances and excursions 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(6)(C)6 Permit Shield

1. Compliance with the conditions of this permit shall be deemed compliance with all applicable requirements as of the date that this permit is issued, provided that:
 - a) The applicable requirements are included and specifically identified in this permit, or
 - b) The permitting authority, in acting on the permit revision or permit application, determines in writing that other requirements, as specifically identified in the permit, are not applicable to the installation, and this permit expressly includes that determination or a concise summary of it.
2. Be aware that there are exceptions to this permit protection. The permit shield does not affect the following:
 - a) The provisions of §303 of the Act or §643.090, RSMo concerning emergency orders,
 - b) Liability for any violation of an applicable requirement which occurred prior to, or was existing at, the time of permit issuance,
 - c) The applicable requirements of the acid rain program,
 - d) The authority of EPA and the Air Pollution Control Program to obtain information, or
 - e) Any other permit or extra-permit provisions, terms or conditions expressly excluded from the permit shield provisions.

10 CSR 10-6.065(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(6)(C)8 Operational Flexibility

1. An installation that has been issued a Part 70 operating permit is not required to apply for or obtain a permit revision in order to make any of the changes to the permitted installation described below if the changes are not Title I modifications, the changes do not cause emissions to exceed emissions allowable under the permit, and the changes do not result in the emission of any air contaminant not

previously emitted. The permittee shall notify the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as well as EPA Region VII, 11201 Renner Blvd., Lenexa, KS 66219, at least seven days in advance of these changes, except as allowed for emergency or upset conditions. Emissions allowable under the permit means a federally enforceable permit term or condition determined at issuance to be required by an applicable requirement that establishes an emissions limit (including a work practice standard) or a federally enforceable emissions cap that the source has assumed to avoid an applicable requirement to which the source would otherwise be subject.

2. §502(b)(10) changes. Changes that, under §502(b)(10) of the Act, contravene an express permit term may be made without a permit revision, except for changes that would violate applicable requirements of the Act or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting or compliance requirements of the permit.
 - a) Before making a change under this provision, The permittee shall provide advance written notice to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as well as EPA Region VII, 11201 Renner Blvd., Lenexa, KS 66219, describing the changes to be made, the date on which the change will occur, and any changes in emission and any permit terms and conditions that are affected. The permittee shall maintain a copy of the notice with the permit, and the Air Pollution Control Program shall place a copy with the permit in the public file. Written notice shall be provided to the EPA and the Air Pollution Control Program as above at least seven days before the change is to be made. If less than seven days' notice is provided because of a need to respond more quickly to these unanticipated conditions, the permittee shall provide notice to the EPA and the Air Pollution Control Program as soon as possible after learning of the need to make the change.
 - b) The permit shield shall not apply to these changes.

10 CSR 10-6.065(6)(C)9 Off-Permit Changes

1. Except as noted below, the permittee may make any change in its permitted operations, activities or emissions that is not addressed in, constrained by or prohibited by this permit without obtaining a permit revision. Insignificant activities listed in the application, but not otherwise addressed in or prohibited by this permit, shall not be considered to be constrained by this permit for purposes of the off-permit provisions of this section. 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 subject to any requirements under Title IV of the Act or is a Title I modification;
 - 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, 11201 Renner Blvd., Lenexa, KS 66219, no later than the next annual emissions report. This notice shall not be required for changes that are insignificant activities under 10 CSR 10-6.065(6)(B)3. 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.
 - 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; and
 - d) The permit shield shall not apply to these changes.

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

The application utilized in the preparation of this permit was signed by Mike Newkirk, Plant Manager. If this person terminates employment, or is reassigned different duties such that a different person becomes the responsible person to represent and bind the installation in environmental permitting affairs, the permittee 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 permittee 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(6)(E)6 Reopening-Permit for Cause

1. This permit may be reopened for cause if:
 - a) The Missouri Department of Natural Resources receives notice from EPA that a petition for disapproval of a permit pursuant to §70.8(d) has been granted, provided that the reopening may be stayed pending judicial review of that determination,
 - b) 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,
 - c) Additional applicable requirements under the Act become applicable to the installation; however, reopening on this ground is not required if—:
 - i) The permit has a remaining term of less than three years;
 - ii) The effective date of the requirement is later than the date on which the permit is due to expire; or
 - iii) 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,
 - d) The installation is an affected source under the acid rain program and additional requirements (including excess emissions requirements), become applicable to that source, provided that, upon approval by EPA, excess emissions offset plans shall be deemed to be incorporated into the permit; or
 - e) 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(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.

STATEMENT OF BASIS

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. Part 70 Operating Permit OP2009-025A, Issued October 12, 2012
2. 2007 – 2011 Emissions Inventory Questionnaires
3. U.S. EPA document AP-42, *Compilation of Air Pollutant Emission Factors*; Volume I, Stationary Point and Area Sources, Fifth Edition
4. Construction Permit 112001-013; Issued November 15, 2001
5. Construction Permit 062002-009, Issued May 28, 2002;
6. Construction Permit 062002-009A, Issued November 12, 2003
7. Construction Permit 062002-009B, Issued February 6, 2013

Other Air Regulations Determined Not to Apply to the Operating Permit

The Air Pollution Control Program has determined the following requirements to not be applicable to this installation at this time for the reasons stated.

10 CSR 10-6.100 *Alternate Emission Limits* is not applicable to the installation and was not applied within this permit because the installation is in an ozone attainment area.

10 CSR 10-6.260 *Restriction of Emission of Sulfur Compounds* is not applicable to the installation and has not been applied within this permit. 10 CSR 10-6.260(1)(A)2 exempts combustion equipment that exclusively combusts pipeline grade natural gas.

10 CSR 10-6.400 *Restriction of Emission of PM from Industrial Processes* is not applicable to the installation and has not been applied within this permit. EP-1 Paint Booths are exempt from this regulation per 10 CSR 10-6.400(1)(B)14 as they are equipped with a fabric filters designed to control at least 95 percent of particulate overspray. EP-2 Plating and EP-8 Grinding are exempt from this regulation per 10 CSR 10-6.400(1)(B)12 as potential PM emissions are less than 0.5 lb/hr. EP-05 Boilers and EP-06 Space Heating and Ovens are exempt from this regulation per 10 CSR 10-6.400(1)(B)6 as they combust fuel for indirect heating.

10 CSR 10-6.405 *Restriction of PM Emissions From Fuel Burning Equipment Used For Indirect Heating* is not applicable to the installation and has not been applied within this permit. 10 CSR 10-6.405(1)(E) exempts installation's that are fueled only by natural gas.

Construction Permit Revisions

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

Construction Permits 0994-002, 1196-020, 0397-008, 0897-026, and 1197-021:

- ♦ These construction permits were associated with this site when the site was owned and operated by Huffly Bicycle. While the current Siegel-Robert Automotive installation has the same installation ID number as Huffly Bicycle, Huffly Bicycle is not operating at this location. In addition, the emissions units and conditions covered under these construction permits issued to Huffly Bicycle are not

applicable to the Siegel-Robert Automotive installation. Therefore, none of the special conditions associated with these construction permits were included in the operating permit.

Construction Permit 112001-013, Issued October 19, 2001:

- ◆ This construction permit is for Phase 2 of the two-phase construction of an installation to manufacture chrome-plated and/or painted plastic parts for the automotive and appliance industries.
- ◆ The special conditions associated with this construction permit were superseded by Construction Permit 062002-009B. Therefore, the special conditions from this permit were not included in the operating permit.

Construction Permit 062002-009, Issued May 28, 2002:

Construction Permit 062002-009A, Issued November 12, 2003:

Construction Permit 062002-009B, Issued February 6, 2013:

- ◆ This construction permit is for a modification to the Phase 2 construction authorized by Construction Permit 112001-013. The modifications included the elimination of the Regenerative Thermal Oxidizer (RTO); the addition of one roller coater and five spray booths; conversion of formaldehyde storage to anhydrous ammonia storage; removal of dry lime chemical feeder for wastewater treatment; and the addition of two drying ovens designated as space heaters.
- ◆ Amendment A corrects errors in the original permit.
- ◆ Amendment B modifies the special conditions.
- ◆ Special Condition 1 supercedes all special conditions found in Construction Permits 112001-013, 062002-009, and 062002-009A.
- ◆ Special Condition 2 has been applied within this permit (see Permit Condition PW001).
- ◆ Special Condition 3 has been applied within this permit (see Permit Condition 001).

New Source Performance Standards Applicability

40 CFR Part 60, Subpart Dc - *Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units* is not applicable to the installation and has not been applied within this permit. EP-5 Natural Gas-fired Boilers each have a maximum design heat input capacity of less than 2.9 MW (10 MMBtu/hr).

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* is not applicable to the installation and has not been applied within this permit. None of the storage vessels at the installation have storage capacities greater than or equal to 75 m³ (20,000 gallons).

Maximum Achievable Control Technology Applicability

40 CFR Part 63, Subpart N - *National Emission Standards for HAP for Chromium Emissions from Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks* is applicable to the installation and has been applied within this permit (see Permit Condition 003).

40 CFR Part 63, Subpart PPPP - *National Emission Standards for HAP for Surface Coating of Plastic Parts and Products* is not applicable to the installation and has not been applied within this permit. The installation is not a major source of HAP.

40 CFR Part 63, Subpart HHHHHH - *National Emission Standards for HAP: Paint Stripping and Miscellaneous Surface Coating Operations at Area Sources* is not applicable to the installation and has not been applied within this permit. None of the Spray Paint Booths use coatings that contain the target HAP, which are compounds of chromium, lead, manganese, nickel, or cadmium.

40 CFR Part 63, Subpart JJJJJJ – *National Emission Standards for HAP for Industrial, Commercial, and Institutional Boilers Area Sources* is not applicable to the installation and has not been applied within this permit. Gas-fired boilers are exempt under this regulation.

40 CFR Part 63, Subpart WWWWWW - *National Emission Standards for Hazardous Air Pollutants: Area Source Standards for Plating and Polishing Operations* is applicable to the installation and has been applied within this permit (see Permit Condition 002).

National Emission Standards for Hazardous Air Pollutants Applicability

40 CFR Part 61, Subpart M – *National Emission Standards for Asbestos* is applicable to the installation and has been applied within this permit (see Section IV. Core Permit Requirements).

Compliance Assurance Monitoring Applicability

40 CFR Part 64 - *CAM*

CAM applies to each pollutant specific emission unit that:

- Is subject to an emission limitation or standard, and
- Uses a control device to achieve compliance, and
- Has pre-control emissions that exceed or are equivalent to the major source threshold.

CAM is not applicable because none of the pollutant-specific emission units uses a control device to achieve compliance with any emission limitation or standard and has pre-control emissions that exceed or are equivalent to the major source threshold.

GHG Emissions

This installation is a minor source of GHG. Potential GHG emissions from the installation were calculated to be 53,769.26 tpy below the 100,000 tpy major source threshold.

Other Regulatory Determinations

10 CSR 10-6.220 *Restriction of Emission of Visible Air Contaminants* is applicable to the installation and has been applied within this permit (see Permit Condition 001). This regulation is applicable to EP-2 Electroless Nickel Plating, Nickel Electroplating, and Decorative Chromium Electroplating, EP-5 Natural Gas-fired Boilers, and EP-6 Miscellaneous Natural Gas-fired Equipment, but was not applied within this permit as no opacity exceedances would ever be expected from these units.

An updated Conditioned Potential to Emit (PTE) for this facility is shown below:

Pollutant	Conditioned PTE (tpy) ¹
CO	37.36
GHG	53,769.26
NH ₃	21.93
NO _x	44.55
PM	10.21
PM ₁₀	3.38
PM _{2.5}	3.38
SO _x	0.27
VOC	250.0 ²
HAP	25.0 ³
Individual HAP	<SMAL ⁴

¹This PTE is based upon 8,760 annual hours of uncontrolled operation unless otherwise stated.

²VOC emissions from the installation are limited to 250.0 tpy by Permit Condition PW001.

³HAP emissions from the installation are limited to 25.0 tpy by Permit Condition PW001.

⁴Individual HAP emissions from the installation are limited to the SMAL for that individual HAP by Permit Condition PW001. SMALs are available at: <http://www.dnr.mo.gov/env/apcp/docs/cp-hapraltbl6.pdf>.

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

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

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

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

Prepared by:

Alana Rugen, EIT
Environmental Engineer II

Mr. Mike Newkirk
Siegel-Robert Automotive Farmington
2055 Progress Drive
Farmington, MO 63624

Re: Siegel-Robert Automotive Farmington, 187-0048
Permit Number: OP2009-025B

Dear Mr. Newkirk:

Enclosed with this letter is your amended Part 70 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. Changes to your permit include:

- ◆ Updating the Reported Air Pollutant Emissions table in Section I to include 2008 – 2011 EIQ reported emissions.
- ◆ Permit Conditions PW001 and 001 were revised to include Construction Permit 062002-009B.
- ◆ Updates to conform with current style and formatting.
- ◆ 40 CFR Part 63, Subpart N standards were revised as this regulation was amended September 19, 2012.
- ◆ 10 CSR 10-3.060 *Maximum Allowable Emissions of PM from Fuel Burning Equipment Used for Indirect Heating* was removed from the permit as this regulation was rescinded October 30, 2011 and replaced by 10 CSR 10-6.405 *Restriction of PM Emissions from Fuel Burning Equipment Used for Indirect Heating*. 10 CSR 10-6.405 is not applicable to the installation per 10 CSR 10-6.405(1)(E) as the installation only burns natural gas.

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 30 days after the date this decision was mailed or the date it was delivered, whichever date was earlier. If any such petition is sent by registered mail or certified mail, it will be deemed filed on the date it is mailed. If it is sent by any method other than registered mail or certified mail, it will be deemed filed on the date it is received by the AHC.

Mr. Mike Newkirk
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If you have any questions or need additional information regarding this permit, please do not hesitate to contact Alana Rugen 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:ark

Enclosures

c: St. Louis Regional Office
PAMS File: 2012-11-003

MEMORANDUM

DATE: May 9, 2013

TO: 2012-06-013, Siegel-Robert Automotive Farmington (187-0048)

FROM: Alana L. Rugen, EIT
Environmental Engineer II

SUBJECT: Response to Public Comments

The draft Part 70 Operating Permit for Siegel-Robert Automotive Farmington (Project #2012-06-013, County-Plant ID: 187-0048) was placed on public notice as of April 4, 2013, for a 30-day comment period. The public notice was published on the Department's web page at: <http://www.dnr.mo.gov/env/apcp/PermitPublicNotices.htm> on Thursday, April 4, 2013. The Air Pollution Control Program did not receive any comments from either the public or the applicant during the 30-day comment period.

ALR/kjc