



Missouri Department of Natural Resources
Air Pollution Control Program

INTERMEDIATE STATE PERMIT TO OPERATE

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

Intermediate Operating Permit Number: OP2008-031
Expiration Date: JUN 30 2013
Installation ID: 077-0010
Project Number: 2007-04-017

Installation Name and Address

Aaron's Automotive Products, Inc.
2707 N. Farm Road 123,
Springfield, MO 65803
Greene County

Parent Company's Name and Address

Aftermarket Technology Corporation
140 Opus Place, Suite 600
Downers Grove, IL 60515

Installation Description:

This installation is an automotive transmission remanufacturing plant. The installation consists of cleaning, painting, and testing operations. The installation has accepted voluntary conditions on Carbon Monoxide (CO) and Volatile Organic Compounds (VOCs) to obtain this Intermediate permit.

JUL - 1 2008

Effective Date


Director or Designee
Department of Natural Resources

Table of Contents

I. INSTALLATION DESCRIPTION AND EQUIPMENT LISTING	4
INSTALLATION DESCRIPTION	4
EMISSION UNITS WITH LIMITATIONS	5
EMISSION UNITS WITHOUT LIMITATIONS.....	8
DOCUMENTS INCORPORATED BY REFERENCE.....	9
II. PLANT WIDE EMISSION LIMITATIONS.....	10
PERMIT CONDITION PW001	10
10 CSR 10-6.060 Construction Permits Required.....	10
Construction Permit #0298-017, Issued February 9, 1998.....	10
PERMIT CONDITION PW002	10
10 CSR 10-6.065(2)(C) and 10 CSR 10-6.065(5)(A) Voluntary Limitation(s)	10
III. EMISSION UNIT SPECIFIC EMISSION LIMITATIONS	12
EU0010 THROUGH EU0040– SPRAY PAINT BOOTHS	12
PERMIT CONDITION EU0010-001.....	12
10 CSR 10-6.060 Construction Permits Required.....	12
Construction Permit # 0298-017, Issued February 9, 1998.....	12
PERMIT CONDITION EU0010-002.....	13
10 CSR 10-6.400 Restriction of Emission of Particulate Matter from Industrial Processes	13
PERMIT CONDITION EU0010-003 and (EU0020 through EU0400)-001	13
10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants	13
EU0060 THROUGH EU0170– GASOLINE POWERED TRANSMISSION TEST MACHINES	15
PERMIT CONDITION (EU0060 through EU0170)-001	15
10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants	15
PERMIT CONDITION (EU0060 through EU0170)-002	16
10 CSR 10-6.260 Restriction of Emission of Sulfur Compounds.....	16
EU0180 THROUGH EU0350– REZNOR USED OIL (ATF) SPACE HEATERS	17
PERMIT CONDITION (EU0180 through EU0350)-001	18
10 CSR 10-4.040 Maximum Allowable Emission of Particulate Matter From Fuel Burning Equipment Used For Indirect Heating	18
PERMIT CONDITION (EU0180 through EU0350)-002	18
10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants	18
PERMIT CONDITION (EU0180 through EU0350)-003	20
10 CSR 10-6.260 Restriction of Emission of Sulfur Compounds.....	20
EU0360 THROUGH EU0610– NATURAL GAS FIRED PASS THROUGH WASHERS	21
PERMIT CONDITION (EU0360 through EU0610)-001	22
10 CSR 10-4.040 Maximum Allowable Emission of Particulate Matter From Fuel Burning Equipment Used For Indirect Heating	22
PERMIT CONDITION (EU0360 through EU0610)-002	22
10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants	22
EU0620 THROUGH EU0720– NATURAL GAS FIRED INDIRECT HEATING	23
PERMIT CONDITION (EU0620 through EU0720)-001	24
10 CSR 10-4.040 Maximum Allowable Emission of Particulate Matter From Fuel Burning Equipment Used For Indirect Heating	24
PERMIT CONDITION (EU0620 through EU0720)-002	24
10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants	24
EU0730 THROUGH EU0740– GRIT BLASTERS	26
PERMIT CONDITION (EU0730 through EU0740)-001	26
10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants	26

PERMIT CONDITION (EU0730 through EU0740)-002	27
10 CSR 10-6.060 Construction Permits Required.....	27
Construction Permit # 112002-016, Issued November 8, 2002	27
PERMIT CONDITION (EU0730 through EU0740)-003	28
10 CSR 10-6.065, Operating Permits, Compliance Plan.....	28
IV. CORE PERMIT REQUIREMENTS	29
V. GENERAL PERMIT REQUIREMENTS	36
VI. ATTACHMENTS	40
ATTACHMENT C	46
ATTACHMENT D	49
ATTACHMENT E	50
ATTACHMENT F	51
ATTACHMENT G	52
ATTACHMENT H	53
ATTACHMENT I	54
ATTACHMENT J	55
ATTACHMENT K	56
ATTACHMENT L	57

I. Installation Description and Equipment Listing

INSTALLATION DESCRIPTION

This installation is an automotive transmission remanufacturing plant. The installation consists of cleaning, painting, and testing operations. The installation has accepted voluntary conditions on Carbon Monoxide (CO) and Volatile Organic Compounds (VOCs) to obtain this intermediate permit.

Complete transmissions are received and cleaned at the slurry wash area. Transmissions are palliated and brought to the disassembly line. Transmissions are dismantled and parts are cleaned and distributed to the subassembly areas. Subassembly areas inspect, rebuild and test the components. They are placed on carts and taken to the build line. The build line reassembles the transmission on the line using the subassembly parts. The build line sends the units to testing. Testing sends the units to paint and pack. Complete units are painted, case (aluminum) and pans (black). Units are placed in plastic pods and moved to shipping.

Cleaning Operations:

The installation has both chemical and mechanical cleaning operations. The natural gas pass through washers spray hot water/cleanser solution at high pressure onto the parts to clean them. The solution is heated by natural gas burners. The parts enter the washer on a chain conveyor and are cleaned as they progress through the washer. Exhaust heat and fumes are vented out a roof stack. The installation also uses cold cleaners with solvent to clean parts.

The blast abrasive cleaning system consists of three steps: loading, cleaning, and unloading. Parts are loaded into the shot blast on a chain conveyor. The cleaning is accomplished by grit shot. The parts are cleaned as they progress through the blaster. Exhaust is vented through a baghouse and then through a roof stack to the atmosphere. The cleaned parts are conveyed out of the blaster to the next stage of production.

Testing Operations:

Transmissions are tested after reconditioning by installing them on a test stand. The transmissions are loaded onto the test machines from a roller assembly line using a chain and hoist. Once loaded, the transmission test machines help identify transmission problems by checking and isolating production line building errors and component failure. This is accomplished by a wide variety of tests that check everything from the transmission line pressure to the shift response. The test machines are powered by electricity and internal combustion engines with a gasoline carburation system. The test machines have exhaust pipes that are vented directly to the atmosphere. After testing, the transmissions are unloaded, placed back on the roller assembly line and moved to the next stage of operation.

Painting Operations:

Transmissions are painted as they are conveyed through a paint booth. The transmissions are manually painted with a hand held paint gun. The emissions pass through filters, which vent to the atmosphere.

Miscellaneous Sources:

The Reznor used oil space heaters are fueled by used Automatic Transmission Fluid (ATF). The heaters have a reservoir that is automatically replenished from the ATF storage tanks in the tank farm. The heaters are vented through the roof. The installation also has natural gas fired space heaters (EP20).

Reported Air Pollutant Emissions, tons per year							
Year	Particulate Matter ≤ Ten Microns (PM-10)	Sulfur Oxides (SO _x)	Nitrogen Oxides (NO _x)	Volatile Organic Compounds (VOC)	Carbon Monoxide (CO)	Lead (Pb)	Hazardous Air Pollutants (HAPs)*
2006	3.46	4.35	2.18	21.29	26.97	--	3.97
2005	0.63	1.35	1.37	17.29	14.54	--	--
2004	0.45	0.90	1.22	22.14	12.91	--	--
2003	0.49	0.92	1.63	13.89	22.67	--	--
2002	0.48	0.90	1.48	43.47	14.06	--	--

* For 2006, 3.97 tons of HAPs were reported as either PM10 or VOC. However, there are significant errors on the EIQ. The APCP Air Quality Analysis Section is working with the installation to resolve these reporting issues.

For 2005, 1.31 tons of HAPs were reported as either PM₁₀ or VOC.

For 2004, 1.42 tons of HAPs were reported as either PM₁₀ or VOC.

For 2003, 1.94 tons of HAPs were reported as either PM₁₀ or VOC.

For 2002, 1.91 tons of HAPs were reported as either PM₁₀ or VOC.

EMISSION UNITS WITH LIMITATIONS

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

Emission Unit #	Description of Emission Unit
-----------------	------------------------------

Painting Operations:

- EU0010 Transmission Spray Paint Booth, Item #645-0002, Location: 45 RFE/Transfer Cases, B-Bay. Installed 8/1/1986. MHDR=2.58 gal/hr, 30% transfer efficiency. Controlled by CD1-Fiberglass Mesh Filters, 90% control efficiency.
- EU0020 Transmission Spray Paint Booth, Item #645-0006, Location: Paint-N-Pack, D-Bay. Installed 1998. MHDR=0.159 gal/hr, 30% transfer efficiency. Controlled by CD15- Paint Arrest Filters, 90% control efficiency.
- EU0040 Transmission ALLISON Spray Paint Booth, Item #645-0059, Location: Allison, G-Bay. Installed 1998. MHDR=0.159 gal/hr, 30% transfer efficiency. Controlled by CD15-Paint Arrest Filters, 90% control efficiency

Transmission Testing Operations:

- EU0060 AW4 Test Machine Dyno 4.7, Item # 853-0001, Installed 10/31/1996, Location: 45RFE, D-Bay, MHDR=136 hp
- EU0070 45RFE Test Machine Dyno 4.7, Item # 854-0001, Installed 8/28/1996, Location: 45RFE, D-Bay, MHDR=136 hp
- EU0090 3.9 RWD Test Machine, Item # 862-0742, Installed 4/23/1996, Location: OEM, F-Bay, MHDR=136 hp
- EU0110 2.5L 604 Late Model Test Machine, Item # 863-1869, Installed 2/29/1996, Location: OEM, F-Bay, MHDR=136 hp
- EU0120 2.5L 604 Early Model Test Machine, Item # 863-2642, Installed 1/25/1994, Location: OEM, F-Bay, MHDR=136 hp

- EU0130 4.7L 45 RFE Test Machine, Item # 864-0001, Installed 12/30/1993, Location: Rework, F-Bay, MHDR=136 hp
- EU0140 4.7L V8 Rear Wheel Drive Test Machine, Item # 864-3177, Installed 8/16/1993, Location: Rework, F-Bay, MHDR=136 hp
- EU0150 3.9 RWD Test Machine, Item # 862-1670, Installed 7/30/1993, Location: RWD, A-Bay, MHDR=136 hp
- EU0170 3.9 RWD Test Machine, Item # 862-3263, Installed 6/17/1993, Location: RWD, A-Bay, MHDR=136 hp

Reznor Used Oil (ATF) Space Heaters:

- EU0180 Item # 715-0026, Installed 8/1/1986, Location: Corewash, F-Bay, MHDR=0.001567 1000 gal/hr
- EU0190 Item # 715-0037, Installed 8/1/1986, Location: Corewash, F-Bay, MHDR=0.001567 1000 gal/hr
- EU0200 Item # 715-0010, Installed 8/1/1986, Location: Maintenance, H-Bay, MHDR=0.001567 1000 gal/hr
- EU0210 Item # 715-0001, Installed 8/1/1986, Location: Parts/Receiving, E-Bay, MHDR=0.001567 1000 gal/hr
- EU0220 Item # 715-0002, Installed 8/1/1986, Location: Parts/Receiving, E-Bay, MHDR=0.001567 1000 gal/hr
- EU0230 Item # 715-0003, Installed 8/1/1986, Location: Parts/Receiving, E-Bay, MHDR=0.001567 1000 gal/hr
- EU0240 Item # 715-0005, Installed 8/1/1986, Location: Parts/Receiving, E-Bay, MHDR=0.001567 1000 gal/hr
- EU0250 Item # 715-0031, Installed 8/1/1986, Location: PDC Warehouse, Chry warehouse, MHDR=0.001567 1000 gal/hr
- EU0260 Item # 715-0038, Installed 8/1/1986, Location: PDC Warehouse, Chry warehouse, MHDR=0.001567 1000 gal/hr
- EU0270 Item # 715-0049, Installed 8/1/1986, Location: PDC Warehouse, Chry warehouse, MHDR=0.001567 1000 gal/hr
- EU0280 Item # 715-0048, Installed 8/1/1986, Location: Rework, F-Bay, MHDR=0.001567 1000 gal/hr
- EU0290 Item # 715-0051, Installed 8/1/1986, Location: Rework, F-Bay, MHDR=0.001567 1000 gal/hr
- EU0300 Item # 715-0017, Installed 8/1/1986, Location: Shipping/PDC, G-Bay, MHDR=0.001567 1000 gal/hr
- EU0310 Item # 715-0018, Installed 8/1/1986, Location: Shipping/PDC, G-Bay, MHDR=0.001567 1000 gal/hr
- EU0320 Item # 715-0019, Installed 8/1/1986, Location: Shipping/PDC, G-Bay, MHDR=0.001567 1000 gal/hr
- EU0330 Item # 715-0046, Installed 8/1/1986, Location: Shipping/PDC, G-Bay, MHDR=0.001567 1000 gal/hr
- EU0340 Item # 715-0006, Installed 8/1/1986, Location: Alar/Distiller area, E-Bay, MHDR=0.001567 1000 gal/hr
- EU0350 Item # 715-0007, Installed 8/1/1986, Location: Alar/Distiller area, E-Bay, MHDR=0.001567 1000 gal/hr

Natural Gas Fired Pass Through Washers:

- EU0360 Item #921-0004, Multistage pass through, Installed 1997, Location: 404, B-Bay, MHDR=0.75 MMBtu/hr
- EU0370 Item #922-0002, Pass through washer, Installed 1997, Location: 45RFE, D-Bay, MHDR=0.75 MMBtu/hr
- EU0380 Item #922-0003, Valve body Pass through washer, Installed 1997, Location: Allison, F-Bay, MHDR=0.25 MMBtu/hr
- EU0390 Item #930-3737, Proceco Pass through washer, Installed 1997, Location: Allison, F-Bay, MHDR=0.36 MMBtu/hr
- EU0400 Item #930-3738, Proceco Pass through washer, Installed 1997, Location: Allison, F-Bay, MHDR=0.36 MMBtu/hr
- EU0410 Item #930-3739, Proceco Pass through washer, Installed 1997, Location: Allison, F-Bay, MHDR=0.36 MMBtu/hr
- EU0420 Item #931-3740, Front Load case washer-bubba, Installed 1997, Location: Allison, F-Bay, MHDR=0.185 MMBtu/hr
- EU0430 Item #928-3888, Front Load washer, Installed 1997, Location: Allison, F-Bay, MHDR=0.3 MMBtu/hr
- EU0440 Item #921-0002, Multi stage pass through washer, Installed 1997, Location: Cell C, C-Bay, MHDR=0.75 MMBtu/hr
- EU0450 Item #921-2018-A, 5 stage pass through washer #1, Installed 1997, Location: Converters, G-Bay, MHDR=0.5 MMBtu/hr
- EU0460 Item #921-2018-B, 5 stage pass through washer #2, Installed 1997, Location: Converters, G-Bay, MHDR=0.5 MMBtu/hr
- EU0470 Item #921-2018-C, 5 stage pass through washer #3, Installed 1997, Location: Converters, G-Bay, MHDR=0.5 MMBtu/hr
- EU0480 Item #922-1571, Pass through washer, Installed 1997, Location: Converters, G-Bay, MHDR=0.25 MMBtu/hr
- EU0490 Item #922-2165, Pass through washer, Installed 1997, Location: Converters, G-Bay, MHDR=0.25 MMBtu/hr
- EU0500 Item #922-2175, Pass through washer, Installed 1997, Location: Converters, G-Bay, MHDR=0.25 MMBtu/hr
- EU0510 Item #922-3311, Grit rinse washer, Installed 1997, Location: Converters, G-Bay, MHDR=0.25 MMBtu/hr
- EU0520 Item #922-3371, Pass through washer, Installed 1997, Location: Converters, G-Bay, MHDR=0.25 MMBtu/hr
- EU0530 Item #918-3875, Washer-slurry, Installed 1997, Location: Corewash, F-Bay, MHDR=0.25 MMBtu/hr
- EU0540 Item #922-3314, Pass through washer, Installed 1997, Location: Corewash, F-Bay, MHDR=0.5 MMBtu/hr
- EU0550 Item #922-3399, Pass through washer, Installed 1997, Location: Paint-n-Pack, A-Bay, MHDR=0.5 MMBtu/hr
- EU0560 Item #922-0307, Pass through washer, Installed 1997, Location: Pans, C-Bay, MHDR=0.25 MMBtu/hr
- EU0570 Item #921-0001, PTW (pod washer), Installed 1997, Location: Pod Wash, A-Bay, MHDR=1.5 MMBtu/hr

- EU0580 Item #922-0001, Pass through washer, Installed 1997, Location: Rework, F-Bay, MHDR=0.25 MMBtu/hr
- EU0590 Item #921-0006, Multistage pass through washer, Installed 1997, Location: RWD, A-Bay, MHDR=0.75 MMBtu/hr
- EU0600 Item #924-3778, Acme fab washer, Installed 1997, Location: RWD/Overdrives, B-Bay, MHDR=0.3 MMBtu/hr
- EU0610 Item #508-3495, Hydro pulse washer, Installed 1997, Location: Service Pumps, B-Bay, MHDR=0.75 MMBtu/hr

Natural Gas fired Indirect Heating:

- EU0620 Slurry boiler, Installed 1997, Location: B-Bay, MHDR=0.825 MMBtu/hr
- EU0630 Space Heater, Installed 1997, Location: Corewash, F-Bay, MHDR=0.235 MMBtu/hr
- EU0640 Space Heater, Installed 1997, Location: OEM, F-Bay, MHDR=0.235 MMBtu/hr
- EU0650 Space Heater, Installed 1997, Location: Rework, F-Bay, MHDR=0.235 MMBtu/hr
- EU0660 Space Heater, Installed 1997, Location: Rework, F-Bay, MHDR=0.235 MMBtu/hr
- EU0670 Space Heater, Installed 1997, Location: Shipping/PDC, G-Bay, MHDR=0.235 MMBtu/hr
- EU0680 Space Heater, Installed 1997, Location: Shipping/PDC, G-Bay, MHDR=0.235 MMBtu/hr
- EU0690 Space Heater, Installed 1997, Location: Shipping/PDC, G-Bay, MHDR=0.235 MMBtu/hr
- EU0700 Space Heater, Installed 1997, Location: Alar/Distiller area, E-Bay, MHDR=0.235 MMBtu/hr
- EU0710 Space Heater, Installed 1997, Location: Alar/Distiller area, E-Bay, MHDR=0.235 MMBtu/hr
- EU0720 Space Heater, Installed 1997, MHDR=2.115 MMBtu/hr

Grit Blasters:

- EU0730 Item #782-3310 Grit Blaster, MHDR=5 lbs shot/hr, shares baghouse CD-21 with EU0740. Installed 1998, Location: Converters, G-Bay, MHDR=5 lbs shot/hr. Controlled by CD-21, Baghouse, 60% control efficiency
- EU0740 Item # 782-2279 Grit Blaster, MHDR=5 lbs shot/hr, shares baghouse CD-21 with EU0730. Installed 2002, Location: Converters, G-Bay, MHDR=5 lbs shot/hr. Controlled by CD-21, Baghouse, 60% control efficiency

EMISSION UNITS WITHOUT LIMITATIONS

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

Description of Emission Source

- EP04A Solvent Small Parts Wash Tank, Item #885-3316, 50 gallon capacity; Location: 404, B-Bay
- EP04A Solvent Small Parts Wash Tank, Item #885-3324, 30 gallon capacity; Location: Converters, G-Bay
- EP04A Solvent Small Parts Wash Tank, Item #660-0008, 35 gallon capacity; Location: ETM Test Cell, B-Bay
- EP04A Solvent Small Parts Wash Tank, Item #660-009, 50 gallon capacity; Location: ETM Test Cell, B-Bay
- EP04A Solvent Small Parts Wash Tank, Item #660-0122, 30 gallon capacity; Location: Pans, C-Bay
- EP04A Solvent Small Parts Wash Tank, Item #660-0002, 30 gallon capacity; Location: RWD, A-Bay
- EP04A Solvent Small Parts Wash Tank, Item #294-0004, 50 gallon capacity; Location: RWD, A-Bay

- EP04A Solvent Small Parts Wash Tank, Item #885-0001, 15 gallon capacity; Location: Small Parts, B-Bay
- EP04A Solvent Small Parts Wash Tank, Item #886-0280, 15 gallon capacity; Location: 604 Inputs, B-Bay
- EP05 Allison Solvent Small Parts Wash Tank 1, 15 gallon capacity; Location: Allison, F-Bay
- EP05 Allison Solvent Small Parts Wash Tank 2, 15 gallon capacity; Location: Allison, F-Bay
- EP05 Allison Solvent Small Parts Wash Tank 3, 15 gallon capacity; Location: Allison, F-Bay
- EP05 Allison Solvent Small Parts Wash Tank 4, 15 gallon capacity; Location: Allison, F-Bay
- EP05 Allison Solvent Small Parts Wash Tank 5, 15 gallon capacity; Location: Allison, F-Bay
- EP08 841-0001 New ATF Storage Tank, 4500 gallon, South
- EP08 841-0002 New ATF Storage Tank, 4500 gallon, South
- EP08 841-0003 New ATF Storage Tank, 4500 gallon, South
- EP08 841-0004 New ATF Storage Tank, 4500 gallon, South
- EP08 841-0005 New ATF Storage Tank, 7,500 gallon, South
- EP08 841-0006 New ATF Storage Tank, 4500 gallon, South
- EP08 842-0008 Used ATF Storage Tank, 5150 gallon, North
- EP08 842-0009 Used ATF Storage Tank, 5150 gallon, North
- EP08 842-0010 Used ATF Storage Tank, 5150 gallon, North
- EP08 842-0011 Used ATF Storage Tank, 5150 gallon, North
- EP08 842-0012 Used ATF Storage Tank, 5150 gallon, North
- EP08 842-0013 Used ATF Storage Tank, 5150 gallon, North
- EP08 842-0014 Used ATF Storage Tank, 5150 gallon, North
- EP08 842-0015 Used ATF Storage Tank, 5150 gallon, North
- EP08 842-0016 Used ATF Storage Tank, 5150 gallon, North
- EP08 842-0017 Used ATF Storage Tank, 5150 gallon, North
- EP09 Water Storage Tank, 550 gallon, South
- EP10 Gasoline Storage Tank, 550 gallon, South
- EP22 Immersion Washer, Installed 3/2007, 180 gallon capacity, Mfr/Model: JRI IAS-42188SS, Serial #04832

DOCUMENTS INCORPORATED BY REFERENCE

These documents have been incorporated by reference into this permit.

1. Construction Permit 0298-017, Issued February 9, 1998
2. Construction Permit 112002-016, Issued November 8, 2002

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 #0298-017, Issued February 9, 1998

1. If a continuing situation of demonstrated nuisance odors exists in violation of 10 CSR 10-4.070, Restriction of Emission of Odors, the Director may require the source to submit a corrective action plan within ten days adequate to timely and significantly mitigate the odors. The source shall implement such plan immediately upon its approval by the Director. Failure to either submit or implement such plan shall be a violation. [Special Condition 10]
2. If the presence of particulate matter less than ten microns (PM10) in the ambient air exists in quantities and durations that directly or proximately cause or contribute to injury to human, plant, or animal life or health, or to property, or that unreasonably interferes with the enjoyment of life or the use of property, the Director may require the source to submit a corrective action plan within ten days adequate to timely and significantly mitigate the emission of PM10. The source shall implement any such plan immediately upon its approval by the Director. Failure to either submit or implement such a plan shall be a violation. [Special Condition 11]

PERMIT CONDITION PW002

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

Emission Limitation:

1. The permittee shall emit less than 100 tons of VOC in any consecutive 12-month period.
2. The permittee shall emit less than 100 tons of CO in any consecutive 12-month period.

Monitoring:

The permittee shall monitor the emissions of VOC and CO.

Recordkeeping:

1. The permittee shall calculate and record the installation-wide emissions of VOC and CO.
2. Attachments B and C contain logs including these recordkeeping requirements. These logs, or an equivalent created by the permittee, must be used to certify compliance with this requirement.
3. These records shall be made available immediately for inspection to Department of Natural Resources personnel upon request.
4. All records shall be maintained for five years

Reporting:

1. The permittee shall report to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any exceedance of any limitation established by this permit condition.
2. Reports of any deviations from monitoring, record keeping and reporting requirements of this permit condition shall be submitted in the annual compliance certification, as required by Section IV of this permit.

III. Emission Unit Specific Emission Limitations

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

EU0010 through EU0040– Spray Paint Booths			
Emission Unit	Description	Manufacturer/ Model #	2006 EIQ Reference #
EU0010	Transmission Spray Paint Booth, Item #645-0001, Location: 45 RFE /Transfer Cases, B-Bay. Installed 8/1/1986. MHDR=2.58 gal/hr, 30% transfer efficiency. Controlled by CD1-Fiberglass Mesh Filters, 90% control efficiency.	Binks	EP01
EU0020	Transmission Spray Paint Booth, Item #645-0006, Location: 45RFE/AW4, D-Bay. Installed 1998. MHDR=0.159 gal/hr, 30% transfer efficiency. Controlled by CD15-Paint Arrest Filters, 90% control efficiency.	Binks, Model #1887	EP01
EU0040	Transmission ALLISON Spray Paint Booth, Item #645-0059, Location: Allison, G-Bay. Installed 1998. MHDR=0.159 gal/hr, 30% transfer efficiency. Controlled by CD15-Paint Arrest Filters, 90% control efficiency	Binks, Model #1887	EP01

PERMIT CONDITION EU0010-001
 10 CSR 10-6.060 Construction Permits Required
 Construction Permit # 0298-017, Issued February 9, 1998

Operational Limitation:

The fiberglass mesh filters on the Transmission Spray Paint Booth exhaust fans (EP1) shall be in use at all times when the paint booths are in operation, and shall be operated and maintained in accordance with the manufacturer’s specifications. The fiberglass mesh filters shall be replaced as deemed necessary by visual inspection. Replacement fiberglass mesh filters shall be kept on hand at all times. [Special Condition #8]

Monitoring:

1. The filters shall be inspected each shift before spraying begins in a booth and after installation of a new filter
2. The permittee shall inspect the spray booths and exhaust systems semi-annually.

Recordkeeping:

1. The permittee shall maintain a log of inspections, filter replacements, spray booth maintenance and exhaust system maintenance.
2. Attachment D contains a log including these recordkeeping requirements. This log, or an equivalent created by the permittee, must be used to certify compliance with this requirement.
3. These records shall be made available immediately for inspection to Department of Natural Resources personnel upon request.
4. All records shall be maintained for five years

Reporting:

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

PERMIT CONDITION EU0010-002

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

Emission Limitation:

1. Particulate matter shall not be emitted from EU0010 in excess of 0.21 lb/hr.
2. The concentration of particulate matter in the exhaust gases shall not exceed 0.30 gr/scf.

Monitoring:

1. Filter monitoring is detailed in Permit Condition EU0010-001.
2. The permittee shall monitor the throughput of paints in the paint booth to determine compliance with the emission limitation.

Record Keeping:

1. Filter recordkeeping is detailed in Permit Condition EU0010-001.
2. The permittee shall record the throughput of paints in the paint booth. (See Attachment L)
3. Attachments D and L contain logs including these record keeping requirements. These logs, or an equivalent created by the permittee, must be used to certify compliance with this requirement.
4. These records shall be made available immediately for inspection to the Department of Natural Resources personnel upon request.
5. All records shall be maintained for five years.

Reporting:

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

PERMIT CONDITION EU0010-003 and (EU0020 through EU0400)-001

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

Emission Limitation:

1. No owner or other person shall cause or permit emissions to be discharged into the atmosphere from any new source any visible emissions with an opacity greater than 20%.
2. Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring:

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

Record Keeping:

1. The permittee shall maintain records of all observation results (see Attachment E), noting:
 - a) Whether any air emissions (except for water vapor) were visible from the emission units,
 - b) All emission units from which visible emissions occurred, and
 - c) Whether the visible emissions were normal for the process.
2. The permittee shall maintain records of any equipment malfunctions. (see Attachment D)
3. The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (see Attachment F)
4. Attachments D, E, and F contain logs including these recordkeeping requirements. These logs, or an equivalent created by the permittee, must be used to certify compliance with this requirement.
5. These records shall be made available immediately for inspection to Department of Natural Resources personnel upon request.
6. All records shall be maintained for five years.

Reporting:

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

EU0060 through EU0170– Gasoline Powered Transmission Test Machines			
Emission Unit	Description	Manufacturer/ Model #	2006 EIQ Reference #
EU0060	AW4 Test Machine Dyno 4.7, Item # 853-0001, Installed 10/31/1996, Location: 45RFE, D-Bay, MHDR=136 hp	Intercont Products	EP02
EU0070	45RFE Test Machine Dyno 4.7, Item # 854-0001, Installed 8/28/1996, Location: 45RFE, D-Bay, MHDR=136 hp	Intercont Products	EP02
EU0090	3.9 RWD Test Machine, Item # 862-0742, Installed 4/23/1996, Location: OEM, F-Bay, MHDR=136 hp	Intercont Products	EP02
EU0110	2.5L 604 Late Model Test Machine, Item # 863-1869, Installed 2/29/1996, Location: OEM, F-Bay, MHDR=136 hp	Intercont Products	EP02
EU0120	2.5L 604 Early Model Test Machine, Item # 863-2642, Installed 1/25/1994, Location: OEM, F-Bay, MHDR=136 hp	Intercont Products	EP02
EU0130	4.7L 45 RFE Test Machine, Item # 864-0001, Installed 12/30/1993, Location: Rework, F-Bay, MHDR=136 hp	Intercont Products	EP02
EU0140	4.7L V8 Rear Wheel Drive Test Machine, Item # 864-3177, Installed 8/16/1993, Location: Rework, F-Bay, MHDR=136 hp	Intercont Products	EP02
EU0150	3.9 RWD Test Machine, Item # 862-1670, Installed 7/30/1993, Location: RWD, A-Bay, MHDR=136 hp	Intercont Products	EP02
EU0170	3.9 RWD Test Machine, Item # 862-3263, Installed 6/17/1993, Location: RWD, A-Bay, MHDR=136 hp	Intercont Products	EP02

<p>PERMIT CONDITION (EU0060 through EU0170)-001 10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants</p>

Emission Limitation:

1. No owner or other person shall cause or permit emissions to be discharged into the atmosphere from any new source any visible emissions with an opacity greater than 20%.
2. Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring:

1. The permittee shall conduct opacity readings on this emission unit using the procedures contained in USEPA Test Method 22. At a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, observer position relative to lighting, wind and the presence of uncombined water. Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions are observed using these procedures, then no further observations would be required. For emission units with visible emissions perceived or believed to exceed the applicable opacity standard, the source representative would then conduct a Method 9 observation.
2. The following monitoring schedule must be maintained:
 - a) Weekly observations shall be conducted for a minimum of eight consecutive weeks after permit issuance. Should no violation of this regulation be observed during this period then-
 - b) Observations must be made once every two (2) weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period then-
 - c) Observations must be made once per month. If a violation is noted, monitoring reverts to weekly.

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

Record Keeping:

- The permittee shall maintain records of all observation results (see Attachment E), noting:
 - Whether any air emissions (except for water vapor) were visible from the emission units,
 - All emission units from which visible emissions occurred, and
 - Whether the visible emissions were normal for the process.
- The permittee shall maintain records of any equipment malfunctions. (see Attachment D)
- The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (see Attachment F)
- Attachments D, E, and F contain logs including these recordkeeping requirements. These logs, or an equivalent created by the permittee, must be used to certify compliance with this requirement.
- These records shall be made available immediately for inspection to Department of Natural Resources personnel upon request.
- All records shall be maintained for five years.

Reporting:

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

PERMIT CONDITION (EU0060 through EU0170)-002
 10 CSR 10-6.260 Restriction of Emission of Sulfur Compounds

Emission Limitation:

- Emissions from any existing or new source operation shall not contain more than five hundred parts per million by volume (500 ppmv) of sulfur dioxide.
- Stack gasses shall not contain more than thirty-five milligrams (35 mg) per cubic meter of sulfuric acid or sulfur trioxide or any combination of those gases averaged on any consecutive three hour time period.
- No person shall cause or permit the emission of sulfur compounds from any source which causes or contributes to concentrations exceeding those specified in 10 CSR 10-6.010 Ambient Air Quality Standards. [[10 CSR 10-6.260\(3\)\(B\)](#) & [10 CSR 10-6.010 Ambient Air Quality Standards](#)]

Pollutant	Concentration by Volume	Remarks
Sulfur Dioxide (SO ₂)	0.03 parts per million (ppm) (80 micrograms per cubic meter (µg/m ³))	Annual arithmetic mean
	0.14 ppm (365 µg/m ³)	24-hour average not to be exceeded more than once per year
	0.5 ppm (1300 µg/m ³)	3-hour average not to be exceeded more than once per year

Hydrogen Sulfide (H ₂ S)	0.05 ppm (70 µg/m ³)	½-hour average not to be exceeded over 2 times per year
	0.03 ppm (42 µg/m ³)	½-hour average not to be exceeded over 2 times in any 5 consecutive days
Sulfuric Acid (H ₂ SO ₄)	10 µg/m ³	24-hour average not to be exceeded more than once in any 90 consecutive days

Operational Limitation/Equipment Specifications:

The emission unit shall be limited to burning gasoline.

Monitoring/Recordkeeping:

1. The permittee shall maintain an accurate record of the sulfur content of fuel used. Fuel purchase receipts, analyzed samples or certifications that verify the fuel type and sulfur content will be acceptable.
2. Calculations demonstrating compliance with the emission limitation are in Attachment G.
3. These records shall be made available immediately for inspection to the Department of Natural Resources' personnel upon request.
4. All records shall be maintained for five years.

Reporting:

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

EU0180 through EU0350– Reznor Used Oil (ATF) Space Heaters			
Emission Unit	Description	Manufacturer/ Model #	2006 EIQ Reference #
EU0180	Item # 715-0026, Installed 8/1/1986, Location: Corewash, F-Bay, MHDR=0.001567 1000 gal/hr	Reznor /RA-235	EP07
EU0190	Item # 715-0037, Installed 8/1/1986, Location: Corewash, F-Bay, MHDR=0.001567 1000 gal/hr	Reznor /RA-235	EP07
EU0200	Item # 715-0010, Installed 8/1/1986, Location: Maintenance, H-Bay, MHDR=0.001567 1000 gal/hr	Reznor /RA-235	EP07
EU0210	Item # 715-0001, Installed 8/1/1986, Location: Parts/Receiving, E-Bay, MHDR=0.001567 1000 gal/hr	Reznor /RA-235	EP07
EU0220	Item # 715-0002, Installed 8/1/1986, Location: Parts/Receiving, E-Bay, MHDR=0.001567 1000 gal/hr	Reznor /RA-235	EP07
EU0230	Item # 715-0003, Installed 8/1/1986, Location: Parts/Receiving, E-Bay, MHDR=0.001567 1000 gal/hr	Reznor /RA-235	EP07
EU0240	Item # 715-0005, Installed 8/1/1986, Location: Parts/Receiving, E-Bay, MHDR=0.001567 1000 gal/hr	Reznor /RA-235	EP07
EU0250	Item # 715-0031, Installed 8/1/1986, Location: PDC Warehouse, Chry warehouse, MHDR=0.001567 1000 gal/hr	Reznor /RA-235	EP07
EU0260	Item # 715-0038, Installed 8/1/1986, Location: PDC Warehouse, Chry warehouse, MHDR=0.001567 1000 gal/hr	Reznor /RA-235	EP07
EU0270	Item # 715-0049, Installed 8/1/1986, Location: PDC Warehouse, Chry warehouse, MHDR=0.001567 1000 gal/hr	Reznor /RA-235	EP07

EU0280	Item # 715-0048, Installed 8/1/1986, Location: Rework, F-Bay, MHDR=0.001567 1000 gal/hr	Reznor /RA-235	EP07
EU0290	Item # 715-0051, Installed 8/1/1986, Location: Rework, F-Bay, MHDR=0.001567 1000 gal/hr	Reznor /RA-235	EP07
EU0300	Item # 715-0017, Installed 8/1/1986, Location: Shipping/PDC, G-Bay, MHDR=0.001567 1000 gal/hr	Reznor /RA-235	EP07
EU0310	Item # 715-0018, Installed 8/1/1986, Location: Shipping/PDC, G-Bay, MHDR=0.001567 1000 gal/hr	Reznor /RA-235	EP07
EU0320	Item # 715-0019, Installed 8/1/1986, Location: Shipping/PDC, G-Bay, MHDR=0.001567 1000 gal/hr	Reznor /RA-235	EP07
EU0330	Item # 715-0046, Installed 8/1/1986, Location: Shipping/PDC, G-Bay, MHDR=0.001567 1000 gal/hr	Reznor /RA-235	EP07
EU0340	Item # 715-0006, Installed 8/1/1986, Location: Alar/Distiller area, E-Bay, MHDR=0.001567 1000 gal/hr	Reznor /RA-235	EP07
EU0350	Item # 715-0007, Installed 8/1/1986, Location: Alar/Distiller area, E-Bay, MHDR=0.001567 1000 gal/hr	Reznor /RA-235	EP07

PERMIT CONDITION (EU0180 through EU0350)-001
10 CSR 10-4.040 Maximum Allowable Emission of Particulate Matter From Fuel Burning Equipment Used For Indirect Heating

Emission Limitation:

The permittee shall not emit particulate matter in excess of 0.47 pounds per million BTU of heat input.

Operational Limitation/Equipment Specifications:

These emission units shall be limited to burning used automatic transmission fluid.

Monitoring/Record Keeping:

1. Calculations demonstrating compliance with the emission limitation are in Attachment H.
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:

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

PERMIT CONDITION (EU0180 through EU0350)-002
10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

1. No owner or other person shall cause or permit emissions to be discharged into the atmosphere from any new source any visible emissions with an opacity greater than 20%.
2. Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring:

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

Record Keeping:

1. The permittee shall maintain records of all observation results (see Attachment E), noting:
 - a) Whether any air emissions (except for water vapor) were visible from the emission units,
 - b) All emission units from which visible emissions occurred, and
 - c) Whether the visible emissions were normal for the process.
2. The permittee shall maintain records of any equipment malfunctions. (see Attachment D)
3. The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (see Attachment F)
4. Attachments D, E, and F contain logs including these recordkeeping requirements. These logs, or an equivalent created by the permittee, must be used to certify compliance with this requirement.
5. These records shall be made available immediately for inspection to Department of Natural Resources personnel upon request.
6. All records shall be maintained for five years.

Reporting:

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

PERMIT CONDITION (EU0180 through EU0350)-003
 10 CSR 10-6.260 Restriction of Emission of Sulfur Compounds

Emission Limitation:

1. No person shall cause or permit the emission of sulfur compounds from any source which causes or contributes to concentrations exceeding those specified in 10 CSR 10-6.010 Ambient Air Quality Standards. [10 CSR 10-6.260(3)(B) & 10 CSR 10-6.010 Ambient Air Quality Standards]

Pollutant	Concentration by Volume	Remarks
Sulfur Dioxide (SO ₂)	0.03 parts per million (ppm) (80 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$))	Annual arithmetic mean
	0.14 ppm (365 $\mu\text{g}/\text{m}^3$)	24-hour average not to be exceeded more than once per year
	0.5 ppm (1300 $\mu\text{g}/\text{m}^3$)	3-hour average not to be exceeded more than once per year
Hydrogen Sulfide (H ₂ S)	0.05 ppm (70 $\mu\text{g}/\text{m}^3$)	1/2-hour average not to be exceeded over 2 times per year
	0.03 ppm (42 $\mu\text{g}/\text{m}^3$)	1/2-hour average not to be exceeded over 2 times in any 5 consecutive days
Sulfuric Acid (H ₂ SO ₄)	10 $\mu\text{g}/\text{m}^3$	24-hour average not to be exceeded more than once in any 90 consecutive days

Operational Limitation/Equipment Specifications:

These emission units shall be limited to burning used automatic transmission fluid.

Monitoring:

The permittee shall maintain an accurate record of the sulfur content of fuel used. The installation shall maintain records of the amount of fuel burned and verify the sulfur content. Fuel purchase receipts, analyzed samples or certifications that verify the fuel type and sulfur content will be acceptable.

Record Keeping:

1. The permittee shall maintain records on the premises of the analysis of the fuel used which shows weight percentage of sulfur in the fuel. Fuel purchase receipts, analyzed samples or certifications that verify the fuel type and sulfur content will be acceptable.
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:

1. The permittee shall report to the Air Pollution Control Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after any exceedance of the emission limit or sulfur content limit established by 10 CSR 10-6.260, or any malfunction which causes an exceedance.
2. Reports of any deviations from monitoring, record keeping and reporting requirements of this permit condition shall be submitted in the annual compliance certification, as required by Section IV of this permit.

EU0360 through EU0610– Natural Gas Fired Pass Through Washers			
Emission Unit	Description	Manufacturer/ Model #	2006 EIQ Reference #
EU0360	Item #921-0004, Multistage pass through, Installed 1997, Location: 404, B-Bay, MHDR=0.75 MMBtu/hr	Intercont	EP12
EU0370	Item #922-0002, Pass through washer, Installed 1997, Location: 45RFE, D-Bay, MHDR=0.75 MMBtu/hr	Intercont	EP12
EU0380	Item #922-0003, Valve body Pass through washer, Installed 1997, Location: Allison, F-Bay, MHDR=0.25 MMBtu/hr	Intercont	EP12
EU0390	Item #930-3737, Proceco Pass through washer, Installed 1997, Location: Allison, F-Bay, MHDR=0.36 MMBtu/hr	Intercont	EP12
EU0400	Item #930-3738, Proceco Pass through washer, Installed 1997, Location: Allison, F-Bay, MHDR=0.36 MMBtu/hr	Intercont	EP12
EU0410	Item #930-3739, Proceco Pass through washer, Installed 1997, Location: Allison, F-Bay, MHDR=0.36 MMBtu/hr	Intercont	EP12
EU0420	Item #931-3740, Front Load case washer-bubba, Installed 1997, Location: Allison, F-Bay, MHDR=0.185 MMBtu/hr	Intercont	EP12
EU0430	Item #928-3888, Front Load washer, Installed 1997, Location: Allison, F-Bay, MHDR=0.3 MMBtu/hr	Intercont	EP12
EU0440	Item #921-0002, Multi stage pass through washer, Installed 1997, Location: Cell C, C-Bay, MHDR=0.75 MMBtu/hr	Intercont	EP15
EU0450	Item #921-2018-A, 5 stage pass through washer #1, Installed 1997, Location: Converters, G-Bay, MHDR=0.5 MMBtu/hr	Intercont	EP16
EU0460	Item #921-2018-B, 5 stage pass through washer #2, Installed 1997, Location: Converters, G-Bay, MHDR=0.5 MMBtu/hr	Intercont	EP16
EU0470	Item #921-2018-C, 5 stage pass through washer #3, Installed 1997, Location: Converters, G-Bay, MHDR=0.5 MMBtu/hr	Intercont	EP16
EU0480	Item #922-1571, Pass through washer, Installed 1997, Location: Converters, G-Bay, MHDR=0.25 MMBtu/hr	Intercont	EP16
EU0490	Item #922-2165, Pass through washer, Installed 1997, Location: Converters, G-Bay, MHDR=0.25 MMBtu/hr	Intercont	EP16
EU0500	Item #922-2175, Pass through washer, Installed 1997, Location: Converters, G-Bay, MHDR=0.25 MMBtu/hr	Intercont	EP16
EU0510	Item #922-3311, Grit rinse washer, Installed 1997, Location: Converters, G-Bay, MHDR=0.25 MMBtu/hr	Intercont	EP16
EU0520	Item #922-3371, Pass through washer, Installed 1997, Location: Converters, G-Bay, MHDR=0.25 MMBtu/hr	Intercont	EP16
EU0530	Item #918-3875, Washer-slurry, Installed 1997, Location: Corewash, F-Bay, MHDR=0.25 MMBtu/hr	Intercont	EP16
EU0540	Item #922-3314, Pass through washer, Installed 1997, Location: Corewash, F-Bay, MHDR=0.5 MMBtu/hr	Intercont	EP16

EU0550	Item #922-3399, Pass through washer, Installed 1997, Location: Paint-n-Pack, A-Bay, MHDR=0.5 MMBtu/hr	Intercont	EP16
EU0560	Item #922-0307, Pass through washer, Installed 1997, Location: Pans, C-Bay, MHDR=0.25 MMBtu/hr	Intercont	EP16
EU0570	Item #921-0001, PTW (pod washer), Installed 1997, Location: Pod Wash, A-Bay, MHDR=1.5 MMBtu/hr	Intercont	EP16
EU0580	Item #922-0001, Pass through washer, Installed 1997, Location: Rework, F-Bay, MHDR=0.25 MMBtu/hr	Intercont	EP16
EU0590	Item #921-0006, Multistage pass through washer, Installed 1997, Location: RWD, A-Bay, MHDR=0.75 MMBtu/hr	Intercont	EP16
EU0600	Item #924-3778, Acme fab washer, Installed 1997, Location: RWD/Overdrives, B-Bay, MHDR=0.3 MMBtu/hr	Intercont	EP16
EU0610	Item #508-3495, Hydro pulse washer, Installed 1997, Location: Service Pumps, B-Bay, MHDR=0.75 MMBtu/hr	Intercont	EP16

PERMIT CONDITION (EU0360 through EU0610)-001
 10 CSR 10-4.040 Maximum Allowable Emission of Particulate Matter From Fuel Burning Equipment Used For Indirect Heating

Emission Limitation:

The permittee shall not emit particulate matter in excess of 0.47 pounds per million BTU of heat input.

Operational Limitation/Equipment Specifications:

These emission units shall be limited to burning natural gas.

Monitoring/Record Keeping:

1. Calculations demonstrating compliance with the emission limitation are in Attachment I.
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:

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

PERMIT CONDITION (EU0360 through EU0610)-002
 10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

1. No owner or other person shall cause or permit emissions to be discharged into the atmosphere from any new source any visible emissions with an opacity greater than 20%.
2. Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring:

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

Record Keeping:

1. The permittee shall maintain records of all observation results (see Attachment E), noting:
 - a) Whether any air emissions (except for water vapor) were visible from the emission units,
 - b) All emission units from which visible emissions occurred, and
 - c) Whether the visible emissions were normal for the process.
2. The permittee shall maintain records of any equipment malfunctions. (see Attachment D)
3. The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (see Attachment F)
4. Attachments D, E, and F contain logs including these recordkeeping requirements. These logs, or an equivalent created by the permittee, must be used to certify compliance with this requirement.
5. These records shall be made available immediately for inspection to Department of Natural Resources personnel upon request.
6. All records shall be maintained for five years.

Reporting:

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

EU0620 through EU0720– Natural Gas Fired Indirect Heating			
Emission Unit	Description	Manufacturer/ Model #	2006 EIQ Reference #
EU0620	Slurry boiler, Installed 1997, Location: B-Bay, MHDR=0.825 MMBtu/hr	Intercont	EP16

EU0630	Space Heater, Installed 1997, Location: Corewash, F-Bay, MHDR=0.235 MMBtu/hr	N/A	EP20
EU0640	Space Heater, Installed 1997, Location: OEM, F-Bay, MHDR=0.235 MMBtu/hr	N/A	EP20
EU0650	Space Heater, Installed 1997, Location: Rework, F-Bay, MHDR=0.235 MMBtu/hr	N/A	EP20
EU0660	Space Heater, Installed 1997, Location: Rework, F-Bay, MHDR=0.235 MMBtu/hr	N/A	EP20
EU0670	Space Heater, Installed 1997, Location: Shipping/PDC, G-Bay, MHDR=0.235 MMBtu/hr	N/A	EP20
EU0680	Space Heater, Installed 1997, Location: Shipping/PDC, G-Bay, MHDR=0.235 MMBtu/hr	N/A	EP20
EU0690	Space Heater, Installed 1997, Location: Shipping/PDC, G-Bay, MHDR=0.235 MMBtu/hr	N/A	EP20
EU0700	Space Heater, Installed 1997, Location: Alar/Distiller area, E-Bay, MHDR=0.235 MMBtu/hr	N/A	EP20
EU0710	Space Heater, Installed 1997, Location: Alar/Distiller area, E-Bay, MHDR=0.235 MMBtu/hr	N/A	EP20
EU0720	Space Heater, Installed 1997, MHDR=2.115 MMBtu/hr	N/A	EP20

<p>PERMIT CONDITION (EU0620 through EU0720)-001 10 CSR 10-4.040 Maximum Allowable Emission of Particulate Matter From Fuel Burning Equipment Used For Indirect Heating</p>
--

Emission Limitation:

The permittee shall not emit particulate matter in excess of 0.47 pounds per million BTU of heat input.

Operational Limitation/Equipment Specifications:

These emission units shall be limited to burning natural gas.

Monitoring/Record Keeping:

1. Calculations demonstrating compliance with the emission limitation are in Attachment J.
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:

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

<p>PERMIT CONDITION (EU0620 through EU0720)-002 10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants</p>

Emission Limitation:

1. No owner or other person shall cause or permit emissions to be discharged into the atmosphere from any new source any visible emissions with an opacity greater than 20%.

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

Monitoring:

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

Record Keeping:

1. The permittee shall maintain records of all observation results (see Attachment E), noting:
 - a) Whether any air emissions (except for water vapor) were visible from the emission units,
 - b) All emission units from which visible emissions occurred, and
 - c) Whether the visible emissions were normal for the process.
2. The permittee shall maintain records of any equipment malfunctions. (see Attachment D)
3. The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (see Attachment F)
4. Attachments D, E, and F contain logs including these recordkeeping requirements. These logs, or an equivalent created by the permittee, must be used to certify compliance with this requirement.
5. These records shall be made available immediately for inspection to Department of Natural Resources personnel upon request.
6. All records shall be maintained for five years.

Reporting:

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

EU0730 through EU0740– Grit Blasters			
Emission Unit	Description	Manufacturer/ Model #	2006 EIQ Reference #
EU0730	Item #782-3310 Grit Blaster, MHDR=5 lbs shot/hr, shares baghouse CD-21 with EU0740. Manufactured 1998, Installed 2002, Location: Converters, G-Bay, MHDR=5 lbs shot/hr. Controlled by CD-21, Baghouse, 60% control efficiency	Empire Abrasive Equipment Company/Model # 36 /Serial # E-98033	EP21
EU0740	Item # 782-2279 Grit Blaster, MHDR=5 lbs shot/hr, shares baghouse CD-21 with EU0730. Manufactured 1999, Installed 2002, Location: Converters, G-Bay, MHDR=5 lbs shot/hr. Controlled by CD-21, Baghouse, 60% control efficiency	Empire Abrasive Equipment Company/ Model #ITT 365 /Serial: #SE-99033	EP21

PERMIT CONDITION (EU0730 through EU0740)-001
 10 CSR 10-6.220 Restriction of Emission of Visible Air Contaminants

Emission Limitation:

1. No owner or other person shall cause or permit emissions to be discharged into the atmosphere from any new source any visible emissions with an opacity greater than 20%.
2. Exception: A person may discharge into the atmosphere from any source of emissions for a period(s) aggregating not more than six (6) minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring:

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

Record Keeping:

1. The permittee shall maintain records of all observation results (see Attachment E), noting:
 - a) Whether any air emissions (except for water vapor) were visible from the emission units,
 - b) All emission units from which visible emissions occurred, and
 - c) Whether the visible emissions were normal for the process.
2. The permittee shall maintain records of any equipment malfunctions. (see Attachment D)
3. The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (see Attachment F)
4. Attachments D, E, and F contain logs including these recordkeeping requirements. These logs, or an equivalent created by the permittee, must be used to certify compliance with this requirement.
5. These records shall be made available immediately for inspection to Department of Natural Resources personnel upon request.
6. All records shall be maintained for five years.

Reporting:

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

PERMIT CONDITION (EU0730 through EU0740)-002

10 CSR 10-6.060 Construction Permits Required

Construction Permit # 112002-016, Issued November 8, 2002

Operational Limitation:

The permittee shall control emissions from the sandblaster (EP21) using a bag filter as specified in the permit application. The fabric filter shall be operated and maintained in accordance with the manufacturer's specifications. [Special Condition #2A.]

Monitoring:

1. The dust collector shall be maintained such that the pressure drop remains in the normal operating range of two to eight inches of water whenever the emission units are in operation. A pressure drop reading of less than two inches may be observed for a period following the installation of a new bag.
2. All instruments and control equipment shall be calibrated, maintained, and operated according to the manufacturer's specifications and recommendations.
3. Check and document the dust collector pressure drop daily, whenever the emission unit is in operation. If the pressure drop falls out of the normal operating range, corrective action shall be taken as soon as practicable but within eight hours to return the pressure drop to normal.
4. Check and document the cleaning sequence of the dust collector every six months.
5. Inspect bags for leaks and wear every six months.
6. Inspect all components that are not subject to wear or plugging, including structural components, housing, ducts and hoods every six months

Recordkeeping:

1. The permittee shall document all pressure drop readings (see Attachment K).
2. The permittee shall maintain an operating and maintenance log for the fabric filter which shall include the following: [Special Condition #2B]
 - a) Incidents of malfunction, with impact on emissions, duration of event, probable cause, and corrective actions; and maintenance activities, with inspection schedule, repair actions, and replacements, etc. (see Attachment D)
3. Attachments K and D contain logs including these record keeping requirements. These logs, or an equivalent created by the permittee, must be used to certify compliance with this requirement
4. These records shall be made available immediately for inspection to Department of Natural Resources personnel upon request.
5. All records shall be maintained for five years

Reporting:

1. The permittee shall report to the Air Pollution Control Program Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than ten days after the permittee determined that the emission unit(s) exceeded the emission limitation(s) and/or pressure drop range listed above.
2. Reports of any deviations from monitoring other than the pressure drop range, record keeping and reporting requirements of this permit condition shall be submitted semiannually, in the semi-annual monitoring report and annual compliance certification, as required by Section IV of this permit.

<p>PERMIT CONDITION (EU0730 through EU0740)-003 10 CSR 10-6.065, Operating Permits, Compliance Plan</p>
--

The permittee shall submit a construction permit correction for Construction Permit #112002-016 to accurately reflect the shot blaster equipment and control device configuration. This amendment shall be submitted within 30 days of the date of issuance of this Operating Permit.

IV. Core Permit Requirements

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

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

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

10 CSR 10-6.060 Construction Permits Required

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

10 CSR 10-6.065 Operating Permits

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

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

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

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

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

10 CSR 10-6.150 Circumvention

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

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

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

- 3) Should it be determined that noncompliance has occurred, the director may require reasonable control measures as may be necessary. These measures may include, but are not limited to, the following:
 - a) Revision of procedures involving construction, repair, cleaning and demolition of buildings and their appurtenances that produce particulate matter emissions;
 - b) Paving or frequent cleaning of roads, driveways and parking lots;
 - c) Application of dust-free surfaces;
 - d) Application of water; and
 - e) Planting and maintenance of vegetative ground cover.

10 CSR 10-6.180 Measurement of Emissions of Air Contaminants

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

10 CSR 10-6.045 Open Burning Requirements

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

- (B) Yard waste, with the following exceptions:
1. Kansas City metropolitan area. The open burning of trees, tree leaves, brush or any other type of vegetation shall require an open burning permit;
 2. Springfield-Greene County area. The City of Springfield requires an open burning permit for the open burning of trees, brush or any other type of vegetation. The City of Springfield prohibits the open burning of tree leaves;
 3. St. Joseph area. Within the corporate limits of St. Joseph, the open burning of trees, tree leaves, brush or any other type of vegetation grown on a residential property is allowed during the following calendar periods and time-of-day restrictions:
 - A. A three (3)-week period within the period commencing the first day of March through April 30 and continuing for twenty-one (21) consecutive calendar days;
 - B. A three (3)-week period within the period commencing the first day of October through November 30 and continuing for twenty-one (21) consecutive calendar days;
 - C. The burning shall take place only between the daytime hours of 10:00 a.m. and 3:30 p.m.; and
 - D. In each instance, the twenty-one (21)-day burning period shall be determined by the director of Public Health and Welfare of the City of St. Joseph for the region in which the City of St. Joseph is located provided, however, the burning period first shall receive the approval of the department director; and
 4. St. Louis metropolitan area. The open burning of trees, tree leaves, brush or any other type of vegetation is limited to the period beginning September 16 and ending April 14 of each calendar year and limited to a total base area not to exceed sixteen (16) square feet. Any open burning shall be conducted only between the hours of 10:00 a.m. and 4:00 p.m. and is limited to areas outside of incorporated municipalities;
- (3) Certain types of materials may be open burned provided an open burning permit is obtained from the director. The permit will specify the conditions and provisions of all open burning. The permit may be revoked if the owner or operator fails to comply with the conditions or any provisions of the permit.
- (4) Aaron's Automotive Products, Inc. may be issued an annually renewable open burning permit for open burning provided that an air curtain destructor or incinerator is utilized and only tree trunks, tree limbs, vegetation or untreated wood waste are burned. Open burning shall occur at least two hundred (200) yards from the nearest occupied structure unless the owner or operator of the occupied structure provides a written waiver of this requirement. Any waiver shall accompany the open burning permit application. The permit may be revoked if Aaron's Automotive Products, Inc. fails to comply with the provisions or any condition of the open burning permit.
- (A) In a nonattainment area, as defined in 10 CSR 10-6.020, paragraph (2)(N)5., the director shall not issue a permit under this section unless the owner or operator can demonstrate to the satisfaction of the director that the emissions from the open burning of the specified material would be less than the emissions from any other waste management or disposal method.
- (5) Reporting and Record Keeping. New Source Performance Standard (NSPS) 40 CFR Part 60 Subpart CCCC establishes certain requirements for air curtain destructors or incinerators that burn wood trade waste. These requirements are established in 40 CFR 60.2245-60.2260. The provisions of 40 CFR Part 60 Subpart CCCC promulgated as of September 22, 2005 shall apply and are hereby incorporated by reference in this rule, as published by the U.S. Government Printing Office, 732 N Capitol Street NW, Washington, DC 20401. To comply with NSPS 40 CFR 60.2245-60.2260, sources must conduct an annual Method 9 test. A copy of the annual Method 9 test results shall be submitted to the director.

(6) Test Methods. The visible emissions from air pollution sources shall be evaluated as specified by 40 CFR Part 60, Appendix A–Test Methods, Method 9–Visual Determination of the Opacity of Emissions from Stationary Sources. The provisions of 40 CFR Part 60, Appendix A, Method 9 promulgated as of December 23, 1971 is incorporated by reference in this rule, as published by the U.S. Government Printing Office, 732 N Capitol Street NW, Washington, DC 20401.

10 CSR 10-4.070 Restriction of Emission of Odors

This requirement is not federally enforceable.

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

10 CSR 10-6.100 Alternate Emission Limits

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

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

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

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

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

Title VI – 40 CFR Part 82 Protection of Stratospheric Ozone

- 1) The permittee shall comply with the standards for labeling of products using ozone-depleting substances pursuant to 40 CFR Part 82, Subpart E:
 - a) All containers in which a class I or class II substance is stored or transported, all products containing a class I substance, and all products directly manufactured with a class I substance must bear the required warning statement if it is being introduced into interstate commerce pursuant to §82.106.
 - b) The placement of the required warning statement must comply with the requirements pursuant to §82.108.
 - c) The form of the label bearing the required warning statement must comply with the requirements pursuant to §82.110.
 - d) No person may modify, remove, or interfere with the required warning statement except as described in §82.112.
- 2) The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners (MVACs) in Subpart B:
 - a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to §82.156.
 - b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to §82.158.
 - c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to §82.161.
 - d) Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with record keeping requirements pursuant to §82.166. ("MVAC-like" appliance as defined at §82.152).
 - e) Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to §82.156.
 - f) Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to §82.166.
- 3) If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR Part 82, Subpart A, Production and Consumption Controls.
- 4) If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant.

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

10 CSR 10-6.280 Compliance Monitoring Usage
--

- 1) The permittee is not prohibited from using the following in addition to any specified compliance methods for the purpose of submission of compliance certificates:
 - a) Monitoring methods outlined in 40 CFR Part 64;
 - b) Monitoring method(s) approved for the permittee pursuant to 10 CSR 10-6.065, "Operating Permits", and incorporated into an operating permit; and
 - c) Any other monitoring methods approved by the director.
- 2) Any credible evidence may be used for the purpose of establishing whether a permittee has violated or is in violation of any such plan or other applicable requirement. Information from the use of the following methods is presumptively credible evidence of whether a violation has occurred by a permittee:
 - a) Monitoring methods outlined in 40 CFR Part 64;
 - b) A monitoring method approved for the permittee pursuant to 10 CSR 10-6.065, "Operating Permits", and incorporated into an operating permit; and
 - c) Compliance test methods specified in the rule cited as the authority for the emission limitations.
- 3) The following testing, monitoring or information gathering methods are presumptively credible testing, monitoring, or information gathering methods:
 - a) Applicable monitoring or testing methods, cited in:
 - i) 10 CSR 10-6.030, "Sampling Methods for Air Pollution Sources";
 - ii) 10 CSR 10-6.040, "Reference Methods";
 - iii) 10 CSR 10-6.070, "New Source Performance Standards";
 - iv) 10 CSR 10-6.080, "Emission Standards for Hazardous Air Pollutants"; or
 - b) Other testing, monitoring, or information gathering methods, if approved by the director, that produce information comparable to that produced by any method listed above.

V. General Permit Requirements

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

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

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

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

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

- iii) Any other deviations identified in the permit as requiring more frequent reporting than the permittee's annual report shall be reported on the schedule specified in this permit, and no later than ten days after any exceedance of any applicable rule, regulation, or other restriction.
- e) Every report submitted shall be certified by the responsible official, except that, if a report of a deviation must be submitted within ten days after the deviation, the report may be submitted without a certification if the report is resubmitted with an appropriate certification within ten days after that, together with any corrected or supplemental information required concerning the deviation.
- f) The permittee may request confidential treatment of information submitted in any report of deviation.

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

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

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

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

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

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

None

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

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

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

- 1) An emergency or upset as defined in 10 CSR 10-6.065(6)(C)7.A shall constitute an affirmative defense to an enforcement action brought for noncompliance with technology-based emissions limitations. To establish an emergency- or upset-based defense, the permittee must demonstrate, through properly signed, contemporaneous operating logs or other relevant evidence, the following:
 - a) That an emergency or upset occurred and that the permittee can identify the source of the emergency or upset,
 - b) That the installation was being operated properly,
 - c) That the permittee took all reasonable steps to minimize emissions that exceeded technology-based emissions limitations or requirements in this permit, and
 - d) That the permittee submitted notice of the emergency to the Air Pollution Control Program within two working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and any corrective actions taken.
- 2) Be aware that an emergency or upset shall not include noncompliance caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.

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

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

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

The application utilized in the preparation of this permit was signed by Bill Berry, General Manager. On April 2, 2008, the Air Pollution Control Program was informed that Keith Wright, General Manager is now the responsible official. If this person terminates employment, or is reassigned different duties such that a different person becomes the responsible person to represent and bind the installation in environmental permitting affairs, the owner or operator of this air contaminant source shall notify the Director of the Air Pollution Control Program of the change. Said notification shall be in writing and shall be submitted within 30 days of the change. The notification shall include the name and title of the new person assigned by the source owner or operator to represent and bind the installation in environmental permitting affairs. All representations, agreement to terms and conditions and covenants

made by the former responsible person that were used in the establishment of limiting permit conditions on this permit will continue to be binding on the installation until such time that a revision to this permit is obtained that would change said representations, agreements and covenants.

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

This permit may be reopened for cause if:

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

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

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

VI. Attachments

Attachments follow.

ATTACHMENT B

This attachment may be used to demonstrate compliance with:

PW002, 10 CSR 10-6.065(2)(C) and 10 CSR 10-6.065(5)(A) Voluntary Limitation(s)
 Installation wide VOC emissions. **This attachment is 5 pages.** Page 1 covers emissions from the Paint Booths and the Transmission test machines. Page 2 covers emissions from chemical cleaning. Page 3 covers emissions from the Reznor Space heaters, Page 4 covers emissions from Natural Gas Combustion. Page 5 contains the compliance summation.

This record covers the month of: _____

VOC emissions from painting operations:

EU#	VOC emission factor (lbs/gallon)	Usage (gallons)-specify color	Calculated Emissions, tons
EU0010	1.73 (Aluminum paint) or 1.63 (Black paint)		
EU0020	1.73 (Aluminum paint) or 1.63 (Black paint)		
EU0040	1.73 (Aluminum paint) or 1.63 (Black paint)		

VOC emissions from Transmission test machines:

EU#	VOC emission factor (lbs/MMBtu)	Usage (MMBtu)	Calculated Emissions, tons
EU0060	2.1		
EU0070	2.1		
EU0090	2.1		
EU0110	2.1		
EU0120	2.1		
EU0130	2.1		
EU0140	2.1		
EU0150	2.1		
EU0170	2.1		

Note 1: Emissions are calculated using the following formula:

$$Calculated\ Emissions = \left[\frac{(Emission\ Factor \times Usage)}{2000 \frac{lbs}{ton}} \right]$$

Total VOC Emissions, page 1: _____

ATTACHMENT B

This attachment may be used to demonstrate compliance with:
PW002, 10 CSR 10-6.065(2)(C) and 10 CSR 10-6.065(5)(A) Voluntary Limitation(s)
Installation wide VOC emissions. **This attachment is 5 pages.** Page 1 covers emissions from the Paint Booths and the Transmission test machines. Page 2 covers emissions from chemical cleaning. Page 3 covers emissions from the Reznor Space heaters, Page 4 covers emissions from Natural Gas Combustion. Page 5 contains the compliance summation.

Compliance Summation:

Month	Total VOC emissions (tons/month) (see note 1)	Consecutive 12 month sum of VOC emissions (tons/year)

Note 1: Total VOC emissions are calculated by adding the total VOC emissions from Pages 1 through 4.
Compliance is demonstrated when consecutive 12 month sum is less than 100 tons.

ATTACHMENT F

This attachment may be used to demonstrate compliance with:
 Permit Condition EU0010-003 and (EU0020 through EU0040)-001, Permit Condition (EU0060 through EU0170)-001, and Permit Condition (EU0180 through EU0350)-002, Permit Condition (EU0360 through EU0620)-002, Permit Condition (EU0620 through EU0720)-002, Permit Condition (EU0730 through EU0740)-001, 10 CSR 10-6.220, Restriction of Emission of Visible Air Contaminants.

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

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

SUMMARY OF AVERAGE OPACITY				
Set Number	Time		Opacity	
	Start	End	Sum	Average

Readings ranged from _____ to _____ % opacity.

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

ATTACHMENT G

This attachment may be used to demonstrate compliance with:
 Permit Condition (EU0060 through EU0170)-002;10 CSR 10-6.260, Restriction of Emission of Sulfur Compounds

The actual stack conditions were reported on the 2006 EIQ to be 400°F and 75 ft³/min. These values must be converted to standard conditions, using the formula:

$$SCFM = ACFM \left(\frac{T_s}{T_A} \right) \left(\frac{P_A}{P_s} \right)$$

where: T_s is the standard temperature of 293 K (from 40 CFR part 60 Appendix A, Method 6)

T_A is the actual temperature, converted to K

P_s is the standard pressure of 760 mm Hg (from 40 CFR part 60 Appendix A, Method 6)

P_A is the actual pressure, which in this case is atmospheric pressure of 760 mm Hg

Converting actual temperature of 400°F to K:

$$K = 273 + \left(\frac{400 - 32}{1.8} \right) = 477.4 \text{ K}$$

Therefore,

$$SCFM = \left(75 \frac{ft^3}{min} \right) \left(\frac{293 \text{ K}}{477.4 \text{ K}} \right) \left(\frac{760 \text{ mm Hg}}{760 \text{ mm Hg}} \right) = 46.03 \frac{scf}{min}$$

Per AP42, Section 3.3, Table 3.3-1, the emission factor for this process is 0.084 lb SO_x/MMBtu. The worst case scenario is that all SO_x emissions are SO₂. The maximum hourly design rate for each of these transmission test machines is 136 hp. Converting hp to MMBtu/hr yields:

$$\left(\frac{136 \text{ hp}}{1 \text{ hp}} \right) \left(\frac{1 \text{ MMBtu}}{1 \times 10^6 \text{ Btu}} \right) = 0.346 \frac{MMBtu}{hr}$$

$$\left(\frac{2546.7 \text{ Btu}}{hr} \right)$$

Calculating the emissions SO₂ in lb SO₂/scf:

$$\left(0.346 \frac{MMBtu}{hr} \right) \left(\frac{1 \text{ hr}}{60 \text{ min}} \right) \left(0.084 \frac{lb \text{ SO}_2}{MMBtu} \right) \left(\frac{1 \text{ min}}{46.03 \text{ scf}} \right) = 1.05 \times 10^{-5} \frac{lb \text{ SO}_2}{scf}$$

Converting this value to ppmv, using conversion factors from AP42 Appendix A, page A-2, with a molecular weight of 64.063:

$$\left(1.05 \times 10^{-5} \frac{lb \text{ SO}_2}{scf} \right) \left(\frac{64.063 \text{ ppmv SO}_2}{385.1 \times 10^6 \frac{lb \text{ SO}_2}{scf}} \right) = 1.75 \times 10^{-12} \text{ ppmv SO}_2$$

This value is less than the regulatory limit of 500 ppmv, therefore, these units are always in compliance when using gasoline.

ATTACHMENT H

This attachment may be used to demonstrate compliance with:
 Permit Condition (EU0180 through EU0350)-001; 10 CSR 10-4.040, Maximum Allowable Emission of Particulate Matter From Fuel Burning Equipment Used For Indirect Heating

As explained in the Statement of Basis, the installation wide heat input value is 21.15 MMBtu/hr. This yields an emission rate of:

$$E = 1.31 \times 21.15^{-0.338} = 0.47 \frac{lb}{MMBtu}$$

The emission limit was calculated by multiplying the maximum hourly design rate and the emission rate. The potential emissions were calculated using the PM emission factor from AP42, Section 1.11, Table 1.11-1, with an ash content of 0.373%, as tested on 12/18/2006. The heating value of waste oil is 150 MMBtu/1000 gallons, as reported on the 2007 EIQ.

EU#	Equipment Description	MHDR (MMBtu/hr)	Emission Limit (lb/hr)	Potential Emissions (lb/hr)
EU0180	Item # 715-0026 Reznor RA-235	0.235	0.11	0.039
EU0190	Item # 715-0037 Reznor RA-235	0.235	0.11	0.039
EU0200	Item # 715-0010 Reznor RA-235	0.235	0.11	0.039
EU0210	Item # 715-0001 Reznor RA-235	0.235	0.11	0.039
EU0220	Item # 715-0002 Reznor RA-235	0.235	0.11	0.039
EU0230	Item # 715-0003 Reznor RA-235	0.235	0.11	0.039
EU0240	Item # 715-0005 Reznor RA-235	0.235	0.11	0.039
EU0250	Item # 715-0031 Reznor RA-235	0.235	0.11	0.039
EU0260	Item # 715-0038 Reznor RA-235	0.235	0.11	0.039
EU0270	Item # 715-0049 Reznor RA-235	0.235	0.11	0.039
EU0280	Item # 715-0048 Reznor RA-235	0.235	0.11	0.039
EU0290	Item # 715-0051 Reznor RA-235	0.235	0.11	0.039
EU0300	Item # 715-0017 Reznor RA-235	0.235	0.11	0.039
EU0310	Item # 715-0018 Reznor RA-235	0.235	0.11	0.039
EU0320	Item # 715-0019 Reznor RA-235	0.235	0.11	0.039
EU0330	Item # 715-0046 Reznor RA-235	0.235	0.11	0.039
EU0340	Item # 715-0006 Reznor RA-235	0.235	0.11	0.039
EU0350	Item # 715-0007 Reznor RA-235	0.235	0.11	0.039

Since the potential emissions are less than the emissions limit, these units are always in compliance when burning automatic transmission fluid (ATF).

ATTACHMENT I

This attachment may be used to demonstrate compliance with:
 Permit Condition (EU0360 through EU0620)-001; 10 CSR 10-4.040, Maximum Allowable Emission of
 Particulate Matter From Fuel Burning Equipment Used For Indirect Heating

As explained in the Statement of Basis, the installation wide heat input value is 21.15 MMBtu/hr. This
 yields an emission rate of:

$$E = 1.31 \times 21.15^{-0.338} = 0.47 \frac{lb}{MMBtu}$$

The emission limit was calculated by multiplying the maximum hourly design rate and the emission rate.
 The potential emissions were calculated using the PM emission factor from AP42, Section 1.4, Table
 1.4-2. The heating value of natural gas is 1020 MMBtu/MMSCF, from AP42, Section 1.4, Table 1.4-2,
 footnote a.

EU#	Equipment Description	MHDR (MMBtu/hr)	Emission Limit (lb/hr)	Potential Emissions (lb/hr)
EU0360	921-0004 Multistage pass through washer	0.75	0.42	0.006
EU0370	922-0002 Pass through washer	0.75	0.42	0.006
EU0380	922-0003 Valve body Pass through washer	0.25	0.14	0.002
EU0390	930-3737 Proceco Pass through washer	0.36	0.20	0.003
EU0400	930-3738 Proceco Pass through washer	0.36	0.20	0.003
EU0410	930-3739 Proceco Pass through washer	0.36	0.20	0.003
EU0420	931-3740 Front Load case washer-bubba	0.185	0.10	0.001
EU0430	928-3888 Front Load washer	0.3	0.17	0.002
EU0440	921-0002 multi stage pass through washer	0.75	0.42	0.006
EU0450	921-2018-A 5 stage pass through washer #1	0.5	0.28	0.004
EU0460	921-2018-B 5 stage pass through washer #1	0.5	0.28	0.004
EU0470	921-2018-C 5 stage pass through washer #1	0.5	0.28	0.004
EU0480	922-1571 pass through washer	0.25	0.14	0.002
EU0490	922-2165 pass through washer	0.25	0.14	0.002
EU0500	922-2175 pass through washer	0.25	0.14	0.002
EU0510	922-3311 grit rinse washer	0.25	0.14	0.002
EU0520	922-3371 pass through washer	0.25	0.14	0.002
EU0530	918-3875 washer-slurry	0.25	0.14	0.002
EU0540	EP 16922-3314 pass through washer	0.5	0.28	0.004
EU0550	922-3399 pass through washer	0.5	0.28	0.004
EU0560	922-0307 pass through washer	0.25	0.14	0.002
EU0570	921-0001 PTW (pod washer)	1.5	0.84	0.011
EU0580	922-0001 pass through washer	0.25	0.14	0.002
EU0590	921-0006 multistage pass through washer	0.75	0.42	0.006
EU0600	924-3778 acme fab washer	0.3	0.17	0.002
EU0610	508-3495 hydro pulse washer	0.75	0.42	0.006
EU0620	Slurry boiler	0.825	0.46	0.006

Since the potential emissions are less than the emissions limit, these units are always in compliance
 when burning natural gas.

ATTACHMENT J

This attachment may be used to demonstrate compliance with:
 Permit Condition (EU0630 through EU0720)-001; 10 CSR 10-4.040, Maximum Allowable Emission of
 Particulate Matter From Fuel Burning Equipment Used For Indirect Heating

As explained in the Statement of Basis, the installation wide heat input value is 21.15 MMBtu/hr. This
 yields an emission rate of:

$$E = 1.31 \times 21.15^{-0.338} = 0.47 \frac{lb}{MMBtu}$$

The emission limit was calculated by multiplying the maximum hourly design rate and the emission rate.
 The potential emissions were calculated using the PM emission factor from AP42, Section 1.4, Table
 1.4-2. The heating value of natural gas is 1020 MMBtu/MMSCF, from AP42, Section 1.4, Table 1.4-2,
 footnote a.

EU#	Equipment Description	MHDR (MMBtu/hr)	Emission Limit (lb/hr)	Potential Emissions (lb/hr)
EU0630	Space Heater	0.235	0.11	0.002
EU0640	Space Heater	0.235	0.11	0.002
EU0650	Space Heater	0.235	0.11	0.002
EU0660	Space Heater	0.235	0.11	0.002
EU0670	Space Heater	0.235	0.11	0.002
EU0680	Space Heater	0.235	0.11	0.002
EU0690	Space Heater	0.235	0.11	0.002
EU0700	Space Heater	0.235	0.11	0.002
EU0710	Space Heater	0.235	0.11	0.002
EU0720	Space Heater	2.115	0.11	0.002

Since the potential emissions are less than the emissions limit, these units are always in compliance
 when burning natural gas.

ATTACHMENT L

This attachment may be used to demonstrate compliance with:
 Permit Condition EU0010-002; 10 CSR 10-6.400 Restriction of Emission of Particulate Matter From
 Industrial Processes

Paint Throughputs

Date/Hour	PM emission factor (lbs PM/gallon)	Usage per hour (gallons)-specify color	Calculated Emissions, lb/hr
	3.61 (Aluminum paint) or 3.75 (Black paint)		
	3.61 (Aluminum paint) or 3.75 (Black paint)		
	3.61 (Aluminum paint) or 3.75 (Black paint)		
	3.61 (Aluminum paint) or 3.75 (Black paint)		
	3.61 (Aluminum paint) or 3.75 (Black paint)		
	3.61 (Aluminum paint) or 3.75 (Black paint)		
	3.61 (Aluminum paint) or 3.75 (Black paint)		
	3.61 (Aluminum paint) or 3.75 (Black paint)		
	3.61 (Aluminum paint) or 3.75 (Black paint)		
	3.61 (Aluminum paint) or 3.75 (Black paint)		
	3.61 (Aluminum paint) or 3.75 (Black paint)		
	3.61 (Aluminum paint) or 3.75 (Black paint)		
	3.61 (Aluminum paint) or 3.75 (Black paint)		
	3.61 (Aluminum paint) or 3.75 (Black paint)		

Emissions are calculated using the following equation:

$$Emissions = Emission\ Factor * Actual\ Usage * (0.7) * (0.1)$$

The installation reported 30% transfer efficiency and 90% control efficiency, which are reflected in the equation above.

STATEMENT OF BASIS

Voluntary Limitations

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

Permit Reference Documents

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

- 1) Intermediate Operating Permit Application, received April 3, 2007;
- 2) 2007 Emissions Inventory Questionnaire, received 09/04/2007; and
- 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 #0998-003, Issued August 21, 1998

Applicable Requirements Included in the Operating Permit but Not in the Application or Previous Operating Permits

In the operating permit application, the installation indicated they were not subject to the following regulation(s). However, in the review of the application, the agency has determined that the installation is subject to the following regulation(s) for the reasons stated.

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

This rule is marked as not applicable, with a reason code of A-This pollutant is not emitted by the installation. However, during the technical review of the permit, it was determined that this rule does apply, see Other Regulatory Determinations for details.

Other Air Regulations Determined Not to Apply to the Operating Permit

The Air Pollution Control Program (APCP) has determined that the following requirements are not applicable to this installation at this time for the reasons stated.

10 CSR 10-6.100, Alternate Emission Limits

This rule is not applicable because the installation is in an ozone attainment area.

10 CSR 10-6.070, New Source Performance Regulations

This rule is marked as applicable on Form B01.00, however there are no NSPS standards marked applicable on Form B02.00. There are no applicable NSPS standards, see explanation in the NSPS applicability section below.

10 CSR 10-6.080, *Emission Standards for Hazardous Air Pollutants*

This rule is marked as applicable on Form B01.00, however there are no NESHAP standards marked applicable on Form B04.00. There are no applicable NESHAP standards, see explanation in the NESHAP applicability section below.

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

This rule is marked as applicable on Form B01.00. However, each piece of equipment is exempt from this regulation. For a detailed explanation, see Other Regulatory Determinations below.

Construction Permit History

1. Construction Permit 0298-018, Issued February 9, 1998

This permit authorizes construction of six new Gasoline Transmission Test Machines, two new Solvent spray booths, six Reznor space heaters, 4 Natural Gas Pass Through Washers, one new Goff Shot blast machine and 10 new Natural Gas Engine Hot Test Stands.

Special Conditions 1 and 2 contain emission limits of less than 250 tons of VOC and CO, respectively, in any consecutive twelve month period. These limits were established because the potential to emit of the proposed equipment would have required a Prevention of Significant Deterioration (PSD) permit. By taking these limits, the installation is not subject to the PSD requirements.

These limits do not appear in the operating permit because the voluntary limitations accepted in this permit are more stringent. The installation accepted voluntary limits of less than 100 tons per year of VOC and CO, respectively, in order to become eligible for this Intermediate Operating Permit.

Special Condition 3 limits the emissions of xylene to less than 22.35 tons per year. The xylene emissions are expected from the paints and solvents used in the paint booths. From MSDS, paint for the transmission final has 14% by weight xylene, while paint for transmission pans has 18% by weight xylene. Modeling of xylene predicted concentrations above ten times the Acceptable Ambient Levels (AALs). The 22.35 TPY limit was required in order to be in compliance with the AALs. Since issuance of this construction permit, Aaron's Automotive has changed paint and solvent formulations. The current paints and solvents do not contain any xylene. Therefore, this special condition does not appear in this operating permit.

Special Condition 4 of this permit applies to the heat cleaning ovens (EP6). According to a December 1999 MDNR-APCP inspection report, these units were removed from site. Therefore, this special condition does not appear in this operating permit.

Special Conditions 5, 6, and 7 contain provisions to ensure compliance with Special Conditions 1, 2, and 3. Therefore, special conditions 5, 6, and 7 do not appear in this operating permit.

Special Condition 9 applies to the shot blasters (EP13) and the associated baghouse. These blasters and baghouse have been removed from site. Therefore, this special condition does not appear in this operation permit.

Special Conditions 8 applies to 2 paint booths accounted under EP01. Transmission booths #645-002, located in A-Bay, and #645-1614, located in A-Bay. This condition appears in this operating permit as an Emission Unit Specific Emission Limitation.

Special Conditions 10 and 11 appear in this operating permit as Plant Wide permit conditions.

Special Condition 10 references 10 CSR 10-3.090, Restriction of Emission of Odors. However, this installation is located in Greene County, and is therefore subject to 10 CSR 10-4.070, Restriction of Emission of Odors. This rule reference was modified in the plant wide condition to cite the correct regulation.

2. Construction Permit 0998-003, Issued August 21, 1998

This permit authorizes construction of two engine paint booths. Special Condition 1 of this permit states the equipment added under this permit shall be subject to special conditions 1, 2, 3, 5, and 6 established in Permit 0298-017.

Special Conditions 1 and 2 of CP0298-017 contain emission limits of less than 250 tons per year of VOC and CO, respectively. These limits do not appear in the operating permit because the voluntary limitations accepted in this permit are more stringent. The installation accepted voluntary limits of less than 100 tons per year of VOC and CO, respectively, in order to become eligible for this Intermediate Operating Permit.

Special Condition 3 of CP0298-017 limits the emissions of xylene to less than 22.35 tons per year. The xylene emissions are expected from the paints and solvents used in the paint booths. Since issuance of this construction permit, Aaron's Automotive has changed paint and solvent formulations. The current paints and solvents do not contain any xylene. Therefore, this special condition does not appear in this operating permit.

Special Conditions 5 and 6 of CP0298-017 contain provisions to ensure compliance with Special Conditions 1 and 2. Therefore, special conditions 5 and 6 do not appear in this operating permit.

In the construction permit the booths are referred to as emission point 15. However, since permit issuance, the installation has not used EP15, but combines these booths with the two previously permitted under EP1. This gives a total of four booths under one emission point, EP1. However on May 8, 2007, paint booth 645-1614 was removed from site. Currently, there are three paint booths on site, the two permitted in this Construction Permit and one permitted in Construction Permit 0298-018.

3. No Construction Permit Required letter, dated June 17, 1998, PAMS 1998-05-612

This project is for installation of 3-0.5 MMBtu/hr Intercont and 3-0.5 MMBtu/hr Intercont SJW Natural Gas Pass Through Washers. No construction permit is required because these units meet the exemptions in the construction permit rule. The emissions would be captured under EP12, however, these units have been removed from site.

4. No Construction Permit Required letter, dated March 19, 1999, PAMS 1999-01-087

This project is for installation of 1-0.5 MMBtu/hr Intercont Natural Gas Pass Through Washer. No construction permit is required because this unit meets the exemptions in the construction permit rule. The emissions would be captured under EP12, however, this unit has been removed from site.

5. No Construction Permit Required letter, dated September 21, 1999, PAMS 1999-08-110
This project is for installation of 2-0.5 MMBtu/hr Intercont Natural Gas Pass Through Washers. No construction permit is required because these units meet the exemptions in the construction permit rule. The emissions would be captured under EP12, however, these units have been removed from site.
6. Request for Like Kind replacement, dated August 29, 2000, PAMS 2000-08-036
This request involves the replacement of an existing solvent spray booth with a newer model. The APCP did not concur with the like kind classification and required submittal of a construction permit application, see Construction Permit 102000-005.
7. Construction Permit 102000-005
This permit authorizes installation of 3 solvent spray booths and 1-0.25 MMBtu/hr Natural Gas Pass Through Washers. The emission points for the spray booths would be EP4 and EP12 for the washer. However, all equipment installed under this permit has been removed.
8. Construction Permit 112002-016
This permit authorizes installation of 2 paint booths (EP18,19), 8 gasoline transmission test machines (EP21-28), 4-0.5 MMBtu/hr Natural Gas Pass Through Washers (EP12), and 1 Wherco Shot Blaster with a baghouse (EP21). The construction permit application refers to the shot blast equipment as EP20, however the installation reports it as EP21 on the EIQ. Therefore, this permit will refer to this equipment as EP21. All of the new equipment installed under this permit has been removed except for the shot blast equipment. Therefore, Special Conditions 1 and 3 are not included in this operating permit, but Special Condition 2 appears in this operating permit as an Emission Unit Specific Emission Limitation.
9. No Construction Permit Required letter, dated July 10, 2007, PAMS 2007-04-013
This letters authorizes installation of a JRI Industries Model JRI IAS-4218SS electric powered parts washer (IAS= Immersion Agitation System). This letters states the equipment meets all of the exemptions listed in 10 CSR 10-6.061(3)(A)6.A.
10. No Construction Permit Required letter, dated October 23, 2007, PAMS 2007-04-013
This letter revises the applicability determination made July 10, 2007. The equipment that was installed was not accurately represented in the application submitted in April 2007. The equipment does not meet the exemption listed in 10 CS10-6.061(3)(A)6.A, as it is larger than 35 gallons in capacity. According to the manufacturer, the equipment has a 180 gallon capacity. However, the unit remains exempt from construction permitting due to the potential emissions being less than the permitting thresholds listed in 10 CSR 10-6.061, Table 1-Insignificant Emission Exemption levels.

New Source Performance Standards (NSPS) Applicability

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

The provisions of this subpart apply to each storage vessel with a capacity greater than or equal to 75 m³ (19,813 gallons) that is used to store volatile organic liquids (VOL) for which construction, reconstruction, or modification is commenced after July 23, 1984.

The storage tanks at this installation all have capacities less than 19,813 gallons. Therefore, this rule does not apply.

Maximum Available Control Technology (MACT) Applicability

- 1) 40 CFR Part 63, Subpart T- National Emission Standards for Halogenated Solvent Cleaning
The provisions of this subpart apply to each individual batch vapor, in-line vapor, in-line cold, and batch cold solvent cleaning machine that uses any solvent containing methylene chloride (CAS No. 75-09-2), perchloroethylene (CAS No. 127-18-4), trichloroethylene (CAS No. 79-01-6), 1,1,1-trichloroethane (CAS No. 71-55-6), carbon tetrachloride (CAS No. 56-23-5) or chloroform (CAS No. 67-66-3), or any combination of these halogenated HAP solvents, in a total concentration greater than 5 percent by weight, as a cleaning and/or drying agent.

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

- 2) 40 CFR Part 63, Subpart IIII-National Emission Standards for Hazardous Air Pollutants: Surface Coating of Automobiles and Light Duty Trucks
The provisions of this subpart apply to installations that are major sources of HAP and perform surface coating of new automobile or new light-duty truck bodies or body parts for new automobiles or new light-duty trucks.

This installation does not surface coat these components, therefore this regulation does not apply.

- 3) 40 CFR Part 63, Subpart MMMM—National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products
The provisions of this subpart apply to installations that are major sources of HAP, and use coatings that contain HAP in the surface coating of miscellaneous metal parts and products.

This installation is not a major source of HAP, therefore this regulation does not apply. Potential emissions of HAPs were based on MSDS for 40B04 WB Satin Black Paint and 40A06 WB Aluminum Paint, both manufactured by H-I-S Paint Manufacturing Company for the paint booths; and emission factors from AP42 and FIRE for the other emission points.

- 4) 40 CFR Part 63, Subpart P P P P P-National Emission Standards for Hazardous Air Pollutants for Engine Test Cells/Stands
The provisions of this subpart apply to engine test cells and stands located at major sources of HAPs.

This installation has transmission test stands, not engine test stands. Therefore, this regulation does not apply.

National Emission Standards for Hazardous Air Pollutants (NESHAP) Applicability

The installation is not subject to any NESHAP standards.

Other Regulatory Determinations

- 1) 10 CSR 10-4.040, *Maximum Allowable Emission of Particulate Matter From Fuel Burning Equipment Used for Indirect Heating*

This regulation applies to equipment in which fuel is burned for the primary purpose of producing steam, hot water, hot air, or other indirect heating of liquids, gases, or solids, and in the course of

doing so, the products of combustion do not come into contact with process materials. The total heat input of all fuel burning units is used for determining the maximum amount of particulate matter which may be emitted. The regulation contains different requirements for new and existing units. Existing units are those which were installed or under construction on September 24, 1971. None of the units onsite meet the definition of existing, as all were installed after this date. The combined heat input from all subject units is 21.16 MMBtu/hr. The amount of particulate matter which may be emitted by new sources with combined heat inputs between 10 MMBtu/hr and 2000 MMBtu/hr, is determined by the equation:

$$E = 1.31Q^{-0.338}$$

where E is the maximum allowable particulate emission rate in lb/MMBtu and Q is the installation heat input in MMBtu/hr. Therefore the allowable emission rate is:

$$E = 1.31 \times 12.69^{-0.338} = 0.47$$

The compliance demonstration for the units subject to this rule are shown in Attachment H, I, and J.

2) 10 CSR 10-6.220, *Restriction of Emission of Visible Air Contaminants*

This regulation applies to all sources of visible emissions within the state of Missouri. Therefore, this rule applies to any equipment that emits particulate matter. All units at this installation meet the definition of new, installed after September 24, 1971.

Particulate emissions are not expected from the following equipment, therefore they are not subject to this regulation: EU0750 through EU0890 and all of the units listed under Emission Units Without Limitations in the permit.

3) 10 CSR 10-6.260, *Restriction of Emission of Sulfur Compounds*

This rule applies to all equipment that is an emission source of sulfur compounds. Combustion equipment that is fired exclusively by pipeline grade natural gas is exempt per 6.260(1)(A)2. All units at this installation meet the definition of new, installed after September 24, 1971.

The sulfur emissions of the following equipment come only from the combustion of pipeline grade natural gas, therefore these units are exempt from this rule: EU0360 through EU0720

According to 10 CSR 10-6.260(1)(B)1., subsection (3)(A) of this rule applies to all sulfur compound emissions, except those from indirect heating sources. Therefore, the following units are not subject to 6.260(3)(A). These units are subject to the provisions in 6.260(3)(B). These units are also not subject to 6.260(3)(C) because individually they have less than 350,000 Btu/hr actual heat input: EU0180 through EU0350.

The following units are subject to 6.260(3)(A)2 and (3)(B): EU0050 through EU0170.

4) 10 CSR 10-6.400, *Restriction of Emission of Particulate Matter From Industrial Processes*

This rule applies to any operation, process, or activity that emits particulate matter. Process weight is defined as the total weight of all materials, including solid fuels, introduced into an emission unit, which may cause the emission of particulate matter, but excluding liquids and gases used solely as fuels and air introduced for purposes of combustion.

The following equipment does not satisfy the definition of process weight, as the only particulate matter emissions are caused by combustion liquid or gaseous fuels: EU0050 through EU0610.

The following equipment does not emit particulate matter, and is therefore not subject to this regulation: EU0750 through EU0890, and the units listed under Emission Units Without Limitations.

The following equipment does qualify under the applicability section of the rule, however, it meets the exemption found in 10 CSR 10-6.400(1)(B)11, as it emits less than 0.5 lb PM/hr, as shown in the table below:

EU#	EP#	Description	MHDR	Control Eff	Emission Factor	PTE (lb/hr)
EU0020	EP01	Transmission Paint Booth, 645-0006,D-Bay; 30% gun transfer efficiency	0.159 gal/hr	90%	3.75 lbs PM/gal	0.04
EU0040	EP01	ALLISON Paint Booth, 645-0059, G-Bay; 30% gun transfer efficiency	0.159 gal/hr	90%	3.75 lbs PM/gal	0.04
EU0730	EP21	782-3310 Grit Blaster	5 lb/hr	60%	0.013 lbs/lbs	0.23
EU0740	EP21	782-2279 Grit Blaster	5 lb/hr	60%	0.013 lbs/lbs	0.23

Potential emissions for the paint booths were calculated using the % solids by weight value for the Black paint, as this presented the worst case scenario.

EU0010 is subject to this regulation because the potential emissions are greater than 0.5 lbs/hr. The emission limit was established using the equation:

$$E = 4.10(0.012023)^{0.67} = 0.212 \frac{lb}{hr}$$

The process weight rate was calculating using the density and maximum hourly design rate. Compliance is demonstrated by recordkeeping.

5) Construction Permit exemption for the JRI Immersion Washer

On February 28, 2008, the installation submitted the maximum hourly design rate of this unit, and the rationale used in developing the MHDR. The installation used a mass balance approach, which measured the quantity of Solvent 140 that must be replaced on a weekly basis pursuant to normal operations, then factored in a 20% increase to ensure maximum conditions.

Based on this maximum hourly design rate, and the VOC emission factor from FIRE SCC 40100251, the potential emissions of this unit are less than the Insignificant Levels detailed in 10 CSR 10-6.061(3)(A)3.A. Therefore, a construction permit is not required.

6) Cleaning Solvents

The installation has requested flexibility to change the cleaning solvents during the term of this permit. Therefore, this permit has not restricted the type of cleaning solvent that may be used. In order to grant this flexibility, it must be assumed that the solvents are 100% VOC and contain no HAPs. The HAP content must be verified by MSDS.

7) Emission Unit Numbering

In correspondence dated February 28, 2008, the installation indicated that some equipment listed in the draft Operating Permit had been removed from site. Instead of renumbering the emission units in this permit, the removed equipment was deleted. The removed items are:

EU0030-Transmission Paint Booth, Item # 645-1614, transfer case dyno, location A-Bay, MHDR=2.58 gal/hr. Originally installed under CP 0298-017, removed from site May 8, 2007.

EU0050-Gasoline transmission test machine, Item #658-0001, MHDR=0.346 MMBtu/hr. Originally installed under CP 0298-017. Removal date unknown.

EU0080-Gasoline transmission test machine, Item # 861-3380, 3.5L 606 Transmisison Test Machine, MHDR= 0.346 MMBtu/hr. Originally installed under CP 0298-017. Removal date unknown.

EU0010-Gasoline transmission test machine, Item # 862-2067 4.0L OEM Rear Wheel Drive Test Machine. Originally installed under CP 0298-017. Removal date unknown.

EU0160-Gasoline transmission test machine, Item# 862-1966 3.9 RWD Test Machine. Originally installed under CP 0298-017. Removal date unknown.

Additionally, the draft permit contained attachments that were removed in the final permit.

8) Shot Blasters

During the technical review of this Operating Permit, it was found that the construction permit issued in 2002 only authorized the installation of one shot blaster. The installation did not provide detailed information on the construction permit application that they wished to install two shot blasters. Therefore, there is a compliance plan permit condition for these shot blasters. The installation must correct the current construction permit to reflect that there are two shot blasters connected to one 60% efficient baghouse.

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

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

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

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

Prepared by:



Nicole Voyles, P.E.
Environmental Engineer