

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

Matt Blunt, Governor • Doyle Childers, Director

APR 4 2008

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CERTIFIED MAIL: 7004 1350 0003 1415 5612
RETURN RECEIPT REQUESTED

Mr. Nobuo Fujiwara
President
TG Missouri Corporation
2200 Platin Road
Perryville, MO 63775

RE: TG Missouri Corporation (157-0019)
Permit Number: OP2008-022

Dear Mr. Fujiwara:

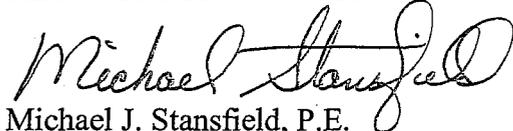
Enclosed with this letter is your Part 70 operating permit. Please review this document carefully. Operation of your installation in accordance with the rules and regulations cited in this document is necessary for continued compliance. It is very important that you read and understand the requirements contained in your permit.

You may appeal this permit to the Administrative Hearing Commission, P.O. Box 1557, Jefferson City, MO 65102, as provided in RSMo 643.075.6 and 621.250.3. If you choose to appeal, you must file a petition with the Administrative Hearing Commission within thirty days after the date this decision was mailed or the date it was delivered, whichever date was earlier. If any such petition is sent by registered mail or certified mail, it will be deemed filed on the date it is mailed. If it is sent by any method other than registered mail or certified mail, it will be deemed filed on the date it is received by the Administrative Hearing Commission.

If you have any questions or need additional information regarding this permit, please contact Mr. Don Murphy at the departments' Air Pollution Control Program at P.O. Box 176, Jefferson City, MO 65102 or by telephone at (573) 751-4817.

Sincerely,

AIR POLLUTION CONTROL PROGRAM



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

MJS:dmn

Enclosure

c: Ms. Tamara Freeman, US Environmental Protection Agency Region VII
Southeast Regional Office
PAMS File: 2002-10-128



Missouri Department of Natural Resources
Air Pollution Control Program

PART 70

PERMIT TO OPERATE

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

Operating Permit Number: OP2008-022
Expiration Date: APR 2 2013
Installation ID: 157-0019
Project Number: 2002-10-128

Installation Name and Address

TG Missouri Corporation
2200 Plattin Road
Perryville, MO 63775
Perry County

Parent Company's Name and Address

Toyoda Gosei Company, Limited
1, Nagahata, Ochiai, Haruhi-mura
Nishikasugai-gun, Aichii-Pref 492, Japan

Installation Description:

TG Missouri Corporation manufactures plastic, rubber and metal automobile parts and accessories. Processes include plastic injection and extrusion lines, plastic molding presses, aluminum and magnesium die cast furnaces, painting booths, dryers, adhesive application machines, an air bag assembly line, a rubber hose extrusion line and numerous supporting types of equipment.

APR 3 2008

Effective Date

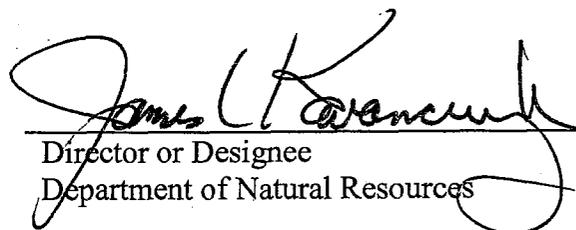

Director or Designee
Department of Natural Resources

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I. Installation Description and Equipment Listing

INSTALLATION DESCRIPTION

This facility manufactures plastic, rubber and metal automobile parts and accessories. The equipment used includes plastic injection and extrusion lines, plastic steering wheel and air bag cover molding presses, aluminum and magnesium die cast furnaces, degreasers, shot blasting booths, painting booths, dryers, adhesive application machines, an air bag assembly line, a rubber hose extrusion line and numerous supporting types of equipment.

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	4.72	0.04	6.6	260.88	2.34	--	--
2005	4.75	0.05	7.20	278.18	2.44	--	--
2004	4.05	0.86	2.35	241.47	1.58	--	0.06
2003	3.11	0.05	11.21	406.83	3.35	--	0.43
2002	4.60	0.07	13.62	373.56	3.60	--	0.03

EMISSION UNITS WITH LIMITATIONS

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

Emission

Unit #	Description of Emission Unit
EU0010	Injection molding- Plastic parts painting (B-1) (EP-60, EP-61)
EU0020	Side Molding line –Automated paint booth (P-1)(EP-69, EP-70)
EU0030	Building 1 Paint Booth (P-0) (EP-81)
EU0040	Aluminum Die Cast Melting Furnaces (EP-83)
EU0050	Back Panel Paint Booth (P-2) (EP-128)
EU0060	Mudguard Paint Booth (P-3) (EP-132, EP-133)
EU0070	Manual Air Bag/Column Cover Paint Booth (P-4)(EP-137, EP-138)
EU0080	Air Robotic Paint Booths (P-5 & P-6) (EP-146, EP-147)
EU0090	Air Bag Robotic Paint Booth (P-7) (EP-159)
EU0100	Fluidized Bed Parts Cleaner (EP-167)
EU0110	Rubber Extrusion Processes w/Boiler (EP-170)
EU0120	Robotic Paint Booths (P-9) (EP-176, EP-177), and (EP- 179, EP-180)
EU0130	Chain on Edge Spray System Paint Booth (P-13) (Formerly P-8) (EP-184)
EU0140	Paint Finishing System Paint Booth (P-10)(EP-188)
EU0150	Building 3 Paint (Three Axis Coating) Finishing Booth (P-11) (EP-194)
EU0160	Coating Line with pallet Style Conveyor (P-12) (EP-197, EP-200)

EMISSION UNITS WITHOUT LIMITATIONS

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

Description of Emission Source

Aluminum Steering Wheel Cleaning, Polyurethane covering and painting (EP-01 to EP- 59)
Injection molding- Drying (EP-62), and adhesive application (EP-63, EP-64, EP-65)
Side Molding Primer Application Paint Booths (EP-66, EP-67, EP-68) or Primer application, adhesive application (both listed as EP-66, EP-67, EP-68),
Building 1 Paint Booth (P-0) Line - Drying (EP-82)
Aluminum Die Casting (EP-84), Shot Blasting (EP-85)
Air Bag Assembly Line (EP-86, EP-87, EP-88)
Natural Gas Space Heaters (<10 MMBtu/hr) (EP-90 to EP-115)
Natural Gas Water Heaters (<10 MMBtu/hr) (EP-116 to EP-125)
Back Panel Paint Booth (P-2) Line - Pretreat(EP-126), Prep Room(EP-127), Paint Mix Room (EP-129), Burner (<10 MMBtu/hr) (EP-130), and Cooling (EP-131)
Mudguard Paint Booth (P-3) Line - Paint Kitchen Storage (EP-134), Drying (EP-135), & Cooling (EP-136)
Manual Air Bag/Column Cover Paint Booth (P-4) – Paint Mix Room (EP-139), Setting (EP-140), Curing (EP-141), Burner (<10 MMBtu/hr) (EP-142), Cooling (EP - 143)
Air Robotic Paint Booths (P-5 & P-6) Line – Dryer Oven (EP-144, EP-145), Paint Kitchen Storage (EP-148), Setting Zone (EP-149, EP-150), Heat Zone (EP-151, EP-152), Cooling (EP-153, EP-154)
Air Bag Robotic Paint Booth (P-7) Line – Power Wash (EP-155 to EP-157), Dryer Oven (EP-158), Paint Kitchen Storage (EP-160), Setting Zone (EP-161), Heat Zone (EP-162)
Magnesium Die Casting (EP-163)
Magnesium Shot Blasting (<100 lbs/yr) (EP-164)
Printing (0.0633 gals ink.hr) (EP-169)
Robotic Paint Booth (P-9) Line – Paint Kitchen (EP-171), Sludge Remover (EP-172), Clean Room (EP-173), Pre-treat (EP-174), Ionization (EP-173), Flash-off (EP-178) Infrared Dryer (EP-181), Cure Oven (EP-182), Air Recirculation (EP-183)
Chain on Edge Spray System Paint Booth (P-8) Line (P-13 in 2006 EIQ) – Paint Kitchen (EP-185), Heat Cure (EP-186), Burner (EP-187)
Paint Finishing System Paint Booth (P-10) Line – Paint Kitchen (EP-189), Air Flash (EP-190), Curing (EP-191), Burner (5 MMBtu) (EP-192), Cooling (EP-193)
Building 3 Paint (Three Axis Coating) Finishing Booth (P-11) Line - Oven (EP - 195), Burner (EP-196)
Coating Line with pallet Style Conveyor (P-12) Line – Air Flash (EP-199, EP-201), IR Oven (EP-202), Burner (EP-203), Gas Heat Oven (EP-204), Burner (EP-205), Cooling (EP-205)

DOCUMENTS INCORPORATED BY REFERENCE

These documents have been incorporated by reference into this permit.

- 1) Missouri Department of Natural Resources Construction Permit #0896-005
- 2) Missouri Department of Natural Resources Construction Permit #1295-019
- 3) Missouri Department of Natural Resources Construction Permit #1297-018
- 4) Missouri Department of Natural Resources Construction Permit # 0298-014
- 5) Missouri Department of Natural Resources Construction Permit # 042002-018
- 6) Missouri Department of Natural Resources Construction Permit # 082002-019

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
MDNR Construction Permit #0998-006

Emission Limitations

TG Missouri Corporation shall not emit more than 386.83 tons of volatile organic compounds (VOC) from this installation in any consecutive 12-month period.

Monitoring/Recordkeeping:

TG Missouri Corporation shall maintain an accurate record of VOC emissions from this installation. These records shall include monthly and cumulative 12-month VOC emission totals. These records shall be kept on-site for the most recent 60-month period of operation and shall be made immediately available to Department of Natural Resources' personnel upon request. The records shall be kept on Attachment A, or on any other equivalent form that contains the same information.

Reporting:

TG Missouri Corporation 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 end of each month, if the 12-month cumulative total records required by PW-001 show that the source exceeded the VOC limitation of this condition.

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 EU0030		
Emission Unit	Description	2006 EIQ Reference #
EU0010	Injection molding- Plastic parts painting (B-1)	EP-60, EP-61
EU0020	Side Molding line – Automated paint booth (P-1)	EP-69, EP-70
EU0030	Building 1 Paint Booth (P-0)	EP-81

PERMIT CONDITIONS (EU0010 Through EU0030)-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 minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring:

- 1) The permittee shall conduct a visual emission observation on this emission unit once a month using the procedures contained in U.S. Environmental Protection Agency (EPA) Test Method 22. At a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, observer position relative to lighting, wind and the presence of uncombined water. Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions were 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) Should a violation be observed, monitoring frequency will progress in the following manner:
 - a) Weekly observations shall be conducted for a minimum of eight consecutive weeks after the date of the initial violation. Should no violation of this regulation be observed during this period, then,
 - b) Observations must be made once every two weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period, then,
 - c) Observations must be made once per month.
- 3) If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Recordkeeping:

- 1) The permittee shall maintain records of all observation results (see Attachment G or H), 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 I)
 - 3) The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (see Attachment J)
 - 4) Attachments G or H, I and J contain example logs to assist in compliance with 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) The permittee shall report any deviations/exceedances of this permit condition to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than the semi-annual monitoring report and annual compliance certification, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

PERMIT CONDITIONS (EU0010 Through EU0030)-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 0.07 lb/hr.
 - 2) Particulate matter shall not be emitted from EU0020 in excess of 0.16 lb/hr.
 - 3) Particulate matter shall not be emitted from EU0030 in excess of 0.16 lb/hr.
- These emission rates were calculated using the following equation:
- a) For process weight rates of 60,000 lb/hr or less:
$$E = 4.10(P)^{0.67}$$

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

Monitoring:

- 1) Booths equipped with mat/panel filters shall not be operated without a filter in place.
- 2) The filters shall be inspected for holes, imperfections, proper installation or other problems that could hinder the effectiveness of the filter.
- 3) The filters shall be inspected each shift before spraying begins in a booth and after installation of a new filter.
- 4) The manufacturer's recommendations shall be followed with regard to installation and frequency of replacement of the filters.

Recordkeeping:

- 1) The permittee shall maintain on the premises of the installation calculations demonstrating compliance with this rule. (See Attachment E)
- 2) The permittee shall maintain records of the inspections of mat/panel including when they occur (See Attachment F).
- 3) Attachments E and F contain logs including these recordkeeping requirements. These logs, or an equivalent created by the permittee, must be used to certify compliance with this requirement.
- 4) These records shall be made available immediately for inspection to the Department of Natural Resources' personnel upon request.
- 5) All records shall be maintained for five years.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than the semi-annual monitoring report and annual compliance certification, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

EU0040 – Aluminum Melting/ Casting Operations		
Emission Unit	Description	2006 EIQ Reference #
EU0050	Aluminum Die Cast Melting Furnaces	EP-83

PERMIT CONDITION EU0040-001

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 minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring:

- 1) The permittee shall conduct a visual emission observation on this emission unit once a month using the procedures contained in U.S. EPA Test Method 22. At a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, observer position relative to lighting, wind and the presence of uncombined water. Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions were 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) Should a violation be observed, monitoring frequency will progress in the following manner:
 - a) Weekly observations shall be conducted for a minimum of eight consecutive weeks after the date of the initial violation. Should no violation of this regulation be observed during this period, then,
 - b) Observations must be made once every two weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period, then,

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

Recordkeeping:

- 1) The permittee shall maintain records of all observation results (see Attachment G or H), 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 I)
- 3) The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (see Attachment J)
- 4) Attachments G or H, I and J contain example logs to assist in compliance with 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) The permittee shall report any deviations/exceedances of this permit condition to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than the semi-annual monitoring report and annual compliance certification, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

PERMIT CONDITION EU0040-002

10 CSR 10-6.400

Restriction of Emission of Particulate Matter From Industrial Processes

Emission Limitation:

- 1) Particulate matter shall not be emitted from EU0040 in excess of 1.2 lb/hr.
This emission rate was calculated using the following equation:
 - a) For process weight rates of 60,000 lb/hr or less:
$$E = 4.10(P)^{0.67}$$

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

Monitoring/Recordkeeping:

- 1) The permittee shall maintain on the premises of the installation calculations demonstrating compliance with this rule. (See Attachment E)

- 2) The calculation shall be made available immediately for inspection to the Department of Natural Resources' personnel upon request.
- 3) All records shall be kept for a period of five years.

Reporting:

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

EU0050 Through EU0090- Paint Booths		
Emission Unit	Description	2006 EIQ Reference #
EU0050	Back Panel Paint Booth (P-2)	EP-128
EU0060	Mudguard Paint Booth (P-3)	EP-132, EP-133
EU0070	Manual Air Bag/Column Cover Paint Booth (P-4)	EP-137, EP-138
EU0080	Air Robotic Paint Booths (P-5 & P-6)	EP-146, EP-147
EU0090	Air Bag Robotic Paint Booth (P-7)	EP-159

PERMIT CONDITION (EU0050 Through EU0090)-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 minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring:

- 1) The permittee shall conduct a visual emission observation on this emission unit once a month using the procedures contained in U.S. EPA Test Method 22. At a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, observer position relative to lighting, wind and the presence of uncombined water. Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions were 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) Should a violation be observed, monitoring frequency will progress in the following manner:
 - a) Weekly observations shall be conducted for a minimum of eight consecutive weeks after the date of the initial violation. Should no violation of this regulation be observed during this period, then,
 - b) Observations must be made once every two weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period, then,
 - c) Observations must be made once per month.
- 3) If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Recordkeeping:

- 1) The permittee shall maintain records of all observation results (see Attachment G or H), 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 I)
- 3) The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (see Attachment J)
- 4) Attachments G or H, I and J contain example logs to assist in compliance with 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) The permittee shall report any deviations/exceedances of this permit condition to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than the semi-annual monitoring report and annual compliance certification, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

PERMIT CONDITION (EU0050 Through EU0090)-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 EU0050 in excess of 0.07 lb/hr.
- 2) Particulate matter shall not be emitted from EU0060 in excess of 0.07 lb/hr.
- 3) Particulate matter shall not be emitted from EU0070 in excess of 0.09 lb/hr.
- 4) Particulate matter shall not be emitted from EU0080 in excess of 0.17 lb/hr.
- 5) Particulate matter shall not be emitted from EU0090 in excess of 0.11 lb/hr.

These emission rates were calculated using the following equation:

- a) For process weight rates of 60,000 lb/hr or less:

$$E = 4.10(P)^{0.67}$$

Where:

E = rate of emission in lb/hr

P = process weight rate in tons/hr

- 6) The concentration of particulate matter in the exhaust gases shall not exceed 0.30 gr/scf.

Monitoring:

- 1) Booths equipped with mat/panel filters shall not be operated without a filter in place.

- 2) The filters shall be inspected for holes, imperfections, proper installation or other problems that could hinder the effectiveness of the filter.
- 3) The filters shall be inspected each shift before spraying begins in a booth and after installation of a new filter.
- 4) The manufacturer's recommendations shall be followed with regard to installation and frequency of replacement of the filters.

Recordkeeping:

- 1) The permittee shall maintain on the premises of the installation calculations demonstrating compliance with this rule. (See Attachment E)
- 2) The permittee shall maintain records of the inspections of mat/panel including when they occur (See Attachment F).
- 3) Attachments E and F contain logs including these recordkeeping requirements. These logs, or an equivalent created by the permittee, must be used to certify compliance with this requirement.
- 4) These records shall be made available immediately for inspection to the Department of Natural Resources' personnel upon request.
- 5) All records shall be maintained for five years.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than the semi-annual monitoring report and annual compliance certification, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

PERMIT CONDITION EU0090-003

10 CSR 10-6.060
Construction Permits Required
MDNR Construction Permit #1295-019

Emission Limitations

TG Missouri Corporation shall not emit more than 10 tons per year of any one hazardous air pollutant (HAP) or 25 tons per year of any combination of HAPs from its robotic air bag paint spray booth at its facility in Perry County.

Monitoring/Recordkeeping:

Records shall be kept on-site for the most recent five years of operation that show the tons of each HAP as well as the combination of all HAPs emitted per year. Records shall contain both the monthly and previous 12-month totals. The records may be kept in a manner similar to that found on Attachments B & C. These records shall be made available immediately to Department of Natural Resources' Personnel upon request.

Reporting:

The source 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 end of each month, if records indicate that annual HAP emissions from its robotic air bag paint spray booth have exceeded the ten tons (single HAP) or 25 ton limitation (total combination HAPs).

EU0100 & EU0110 – Fluidized Bed Parts Cleaner & Rubber Extrusion Processes	
Emission Unit	Description
EU0100	Fluidized Bed Parts Cleaner (EP-167)
EU0110	Rubber Extrusion Processes (EP-170) including a storage bin and a natural gas boiler (0.066615 MMBtu/hr)

PERMIT CONDITION (EU0100 & EU0110)-001

10 CSR 10-6.060
Construction Permits Required
MDNR Construction Permit #0896-005

Contingent Corrective Action Plan Requirements:

- 1) If, in the opinion of the director, a continuing situation of demonstrated nuisance odors exists for the neighbors of the installation, the director may require the Permittee to submit a corrective action plan adequate to timely and significantly mitigate the odors.
- 2) The Permittee shall implement any such plan immediately upon its approval by the director. Failure to either submit or implement such a plan shall be a violation of this permit.

PERMIT CONDITION (EU0100 & EU0110)-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 minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring:

- 1) The permittee shall conduct a visual emission observation on this emission unit once a month using the procedures contained in U.S. EPA Test Method 22. At a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, observer position relative to lighting, wind and the presence of uncombined water. Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions were 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) Should a violation be observed, monitoring frequency will progress in the following manner:
 - a) Weekly observations shall be conducted for a minimum of eight consecutive weeks after the date of the initial violation. Should no violation of this regulation be observed during this period, then,
 - b) Observations must be made once every two weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period, then,
 - c) Observations must be made once per month.

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

Recordkeeping:

- 1) The permittee shall maintain records of all observation results (see Attachment G or H), 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 I)
- 3) The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (see Attachment J)
- 4) Attachments G or H, I and J contain example logs to assist in compliance with 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) The permittee shall report any deviations/exceedances of this permit condition to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than the semi-annual monitoring report and annual compliance certification, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

PERMIT CONDITION EU0100-003

10 CSR 10-6.400

Restriction of Emission of Particulate Matter From Industrial Processes

Emission Limitation:

- 1) Particulate matter shall not be emitted from EU0100 in excess of 2.43 lb/hr.
These emission rates were calculated using one of the following equations:
 - a) For process weight rates of 60,000 lb/hr or less:
$$E = 4.10(P)^{0.67}$$

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

Monitoring:

- 1) Emission Unit EU0100 shall not be operated without a filter in place.
- 2) The filters shall be inspected for holes, imperfections, proper installation or other problems that could hinder the effectiveness of the filter.

- 3) The filters shall be inspected each shift before operation and after installation of a new filter.
- 4) The manufacturer's recommendations shall be followed with regard to installation and frequency of replacement of the filters.

Recordkeeping:

- 1) The permittee shall maintain on the premises of the installation calculations demonstrating compliance with this rule. (See Attachment E)
- 2) The permittee shall maintain records of the inspections of the filter system. (See Attachment F).
- 3) Attachments E and F contain logs including these recordkeeping requirements. These logs, or an equivalent created by the permittee, must be used to certify compliance with this requirement.
- 4) These records shall be made available immediately for inspection to the Department of Natural Resources' personnel upon request.
- 5) All records shall be maintained for five years.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than the semi-annual monitoring report and annual compliance certification, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

EU0120 – Robotic Paint Booth		
Emission Unit	Description	2006 EIQ Reference #
EU0120	Robotic Paint Booths (P-9)	EP-176, EP-177, EP- 179, EP-180

PERMIT CONDITION EU0120-001

10 CSR 10-6.060
 Construction Permits Required
 MDNR Construction Permit #042002-018

Emission Limitations

- 1) TG Missouri Corporation shall not discharge into the atmosphere from the robotic paint booth permitted herein (P-9) the following pollutants in excess of the listed amounts in any consecutive 12-month period:

Pollutant Emission Limitation	(ton per year)
Ethyl Benzene	10.0
Ethylene Glycol Monobutyl Ether	10.0
Hexamethylene Diisocyanate	0.9
Methyl Ethyl Ketone	10.0
Toluene	10.0
Xylene (isomers & mixture)	10.0
Combined Hazardous Air Pollutants (HAP)	25.0
Volatile Organic Compounds (VOC)	40.0

- 2) Permittee shall not use coatings, thinners, or catalysts that contain HAP other than those specifically listed in this permit until a permit application is submitted to, and approved by, the Missouri Department of Natural Resources' Air Pollution Control Program.

Monitoring/Recordkeeping:

Permittee shall maintain an accurate record of VOC and HAP emitted into the atmosphere from the robotic paint booth permitted herein. Permittee shall record the monthly and rolling 12-month totals of VOC and HAP emissions from the installation. Permittee shall use Attachment A, *Monthly VOC Tracking Record*, Attachment B, *Monthly Combined HAP Tracking Record*, and Attachment C, *Monthly Individual HAP Tracking Record*, or equivalent form(s) for this purpose. Permittee shall maintain all records required by this permit, on-site, for the 60 most recent months and shall immediately make such records available to any Missouri Department of Natural Resources' personnel upon request. These records shall include Material Safety Data Sheets (MSDS) for all coatings used in the paint booth for which records are kept.

Reporting:

Permittee shall report to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, Missouri 65102, no later than ten days after the end of the month during which the records indicate that the source exceeded the limitations of Permit Condition EU0120-001.

PERMIT CONDITION EU0120-002

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 minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring:

- 1) The permittee shall conduct a visual emission observation on this emission unit once a month using the procedures contained in U.S. EPA Test Method 22. At a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, observer position relative to lighting, wind and the presence of uncombined water. Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions were 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) Should a violation be observed, monitoring frequency will progress in the following manner:
 - a) Weekly observations shall be conducted for a minimum of eight consecutive weeks after the date of the initial violation. Should no violation of this regulation be observed during this period, then,
 - b) Observations must be made once every two weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period, then,
 - c) Observations must be made once per month.
- 3) If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Recordkeeping:

- 1) The permittee shall maintain records of all observation results (see Attachment G or H), 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 I)
- 3) The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (see Attachment J)
- 4) Attachments G or H, I and J contain example logs to assist in compliance with 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) The permittee shall report any deviations/exceedances of this permit condition to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than the semi-annual monitoring report and annual compliance certification, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

PERMIT CONDITION EU0120-003

10 CSR 10-6.400

Restriction of Emission of Particulate Matter From Industrial Processes

Emission Limitation:

- 1) Particulate matter shall not be emitted from EU0120 in excess of 0.15 lb/hr.
This emission rate was calculated using the following equation:
 - a) For process weight rates of 60,000 lb/hr or less:
$$E = 4.10(P)^{0.67}$$

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

Monitoring:

- 1) Booths equipped with mat/panel filters shall not be operated without a filter in place.
- 2) The filters shall be inspected for holes, imperfections, proper installation or other problems that could hinder the effectiveness of the filter.
- 3) The filters shall be inspected each shift before spraying begins in a booth and after installation of a new filter.

- 4) The manufacturer's recommendations shall be followed with regard to installation and frequency of replacement of the filters.

Recordkeeping:

- 1) The permittee shall maintain on the premises of the installation calculations demonstrating compliance with this rule. (See Attachment E)
- 2) The permittee shall maintain records of the inspections of mat/panel including when they occur (See Attachment F).
- 3) Attachments E and F contain logs including these recordkeeping requirements. These logs, or an equivalent created by the permittee, must be used to certify compliance with this requirement.
- 4) These records shall be made available immediately for inspection to the Department of Natural Resources' personnel upon request.
- 5) All records shall be maintained for five years.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than the semi-annual monitoring report and annual compliance certification, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

EU0130 through EU0160 – Paint Booths		
Emission Unit	Description	2006 EIQ Reference #
EU0130	Chain on Edge Spray System (Formerly (P-8))	EP-184
EU0140	Paint Finishing System (P-10)	EP-188 EP-189, EP-190, EP-191
EU0150	Three Axis Coating Booth (P-11)	EP-194, EP-195
EU0160	Coating Line with pallet Style Conveyor (P-12)	EP-197, EP-200

PERMIT CONDITION (EU0130 through EU0160)-001

10 CSR 10-6.060
 Construction Permits Required
 MDNR Construction Permit #082002-019

Emission Limitations:

- 1) Emission Limitation
 - a) TG Missouri Corporation shall not emit VOCs from the four new Paint Booths (P-13: Chain on Edge Spray System, P-10: Paint Finishing System, P-11: Three Axis Coating Booth, and P-12: Coating Line with pallet Style Conveyor) in excess of 40 tons in any consecutive 12-month period.
 - b) TG Missouri Corporation shall not emit HAPs in excess of ten tons individually or 25 tons combined from the four new Paint Booths in any consecutive 12-month period.
 - c) TG Missouri Corporation shall not emit hexamethylene diisocyanate in excess of 0.02 tons from the P-12: Coating Line in any consecutive 12-month period

Monitoring/Recordkeeping:

Attachment A, Attachment B, Attachment C, and Attachment D or equivalent forms approved by the Air Pollution Control Program shall be used to demonstrate compliance with Special Conditions 1(A), 1(B), and 1(C). TG Missouri shall maintain all records required by this permit for not less than five years and shall

make them available immediately to any Missouri Department of Natural Resources' personnel upon request. These records shall include MSDS for all materials used in these paint booths.

Reporting:

TG Missouri Corporation shall report to the Air Pollution Control Program's Enforcement Section, P.O. Box 176, Jefferson City, Missouri 65102, no later than ten days after the end of the month during which the records from Special Condition Number 1(D) indicate that the source exceeds the limitation of Special Conditions Number 1(A), 1(B) & 1(C).

PERMIT CONDITION (EU0130 through EU0160)-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 minutes in any 60 minutes air contaminants with an opacity up to 60%.

Monitoring:

- 1) The permittee shall conduct a visual emission observation on this emission unit once a month using the procedures contained in U.S. EPA Test Method 22. At a minimum, the observer should be trained and knowledgeable about the effects on visibility of emissions caused by background contrast, ambient lighting, observer position relative to lighting, wind and the presence of uncombined water. Readings are only required when the emission unit is operating and when the weather conditions allow. If no visible or other significant emissions were 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) Should a violation be observed, monitoring frequency will progress in the following manner:
 - a) Weekly observations shall be conducted for a minimum of eight consecutive weeks after the date of the initial violation. Should no violation of this regulation be observed during this period, then,
 - b) Observations must be made once every two weeks for a period of eight weeks. If a violation is noted, monitoring reverts to weekly. Should no violation of this regulation be observed during this period, then,
 - c) Observations must be made once per month.
- 3) If the source reverts to weekly monitoring at any time, monitoring frequency will progress in an identical manner from the initial monitoring frequency.

Recordkeeping:

- 1) The permittee shall maintain records of all observation results (see Attachment G or H), 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 I)
- 3) The permittee shall maintain records of any Method 9 test performed in accordance with this permit condition. (see Attachment J)

- 4) Attachments G or H, I and J contain example logs to assist in compliance with 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) The permittee shall report any deviations/exceedances of this permit condition to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than the semi-annual monitoring report and annual compliance certification, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

PERMIT CONDITION (EU0130 thorough EU0160)-003

10 CSR 10-6.400

Restriction of Emission of Particulate Matter From Industrial Processes

Emission Limitation:

- 1) Particulate matter shall not be emitted from EU0130 in excess of 0.56 lb/hr.
- 2) Particulate matter shall not be emitted from EU0140 in excess of 1.45 lb/hr.
- 3) Particulate matter shall not be emitted from EU0150 in excess of 1.78 lb/hr.
- 4) Particulate matter shall not be emitted from EU0160 in excess of 4.14 lb/hr.

These emission rates were calculated using the following equation:

- a) For process weight rates of 60,000 lb/hr or less:

$$E = 4.10(P)^{0.67}$$

Where:

E = rate of emission in lb/hr

P = process weight rate in tons/hr

- 5) The concentration of particulate matter in the exhaust gases shall not exceed 0.30 gr/scf.

Monitoring:

- 1) Booths equipped with mat/panel filters shall not be operated without a filter in place.
- 2) The filters shall be inspected for holes, imperfections, proper installation or other problems that could hinder the effectiveness of the filter.
- 3) The filters shall be inspected each shift before spraying begins in a booth and after installation of a new filter.
- 4) The manufacturer's recommendations shall be followed with regard to installation and frequency of replacement of the filters.

Recordkeeping:

- 1) The permittee shall maintain on the premises of the installation calculations demonstrating compliance with this rule. (See Attachment E)
- 2) The permittee shall maintain records of the inspections of mat/panel including when they occur (See Attachment F).

- 3) Attachments E and F contain logs including these recordkeeping requirements. These logs, or an equivalent created by the permittee, must be used to certify compliance with this requirement.
- 4) These records shall be made available immediately for inspection to the Department of Natural Resources' personnel upon request.
- 5) All records shall be maintained for five years.

Reporting:

The permittee shall report any deviations/exceedances of this permit condition to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, no later than the semi-annual monitoring report and annual compliance certification, as required by 10 CSR 10-6.065(6)(C)1.C.(III).

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) 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 10-6.050 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(6)(B)1.A(V)] The permittee shall retain the most current operating permit issued to this installation on-site. [10 CSR 10-6.065(6)(C)1.C(II)] The permittee shall immediately make such permit available to any Missouri Department of Natural Resources' personnel upon request. [10 CSR 10-6.065(6)(C)3.B]

10 CSR 10-6.110 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 to satisfy the requirements of the Federal Clean Air Act, Title V.
- 3) The fees shall be payable to the Department of Natural Resources and shall be accompanied by the EIQ form or equivalent approved by the director.

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

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

10 CSR 10-6.150 Circumvention

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

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

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

- a) Revision of procedures involving construction, repair, cleaning and demolition of buildings and their appurtenances that produce particulate matter emissions;
- b) Paving or frequent cleaning of roads, driveways and parking lots;
- c) Application of dust-free surfaces;
- d) Application of water; and
- e) Planting and maintenance of vegetative ground cover.

10 CSR 10-6.180 Measurement of Emissions of Air Contaminants

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

10 CSR 10-3.030 Open Burning Restrictions

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

10 CSR 10-3.090 Restriction of Emission of Odors

No person may cause, permit or allow the emission of odorous matter in concentrations and frequencies or for durations that odor can be perceived when one volume of odorous air is diluted with seven volumes of

odor-free air for two separate trials not less than 15 minutes apart within the period of one hour.

This requirement is not federally enforceable.

**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 recordkeeping requirements pursuant to §82.166. ("MVAC-like" appliance as defined at §82.152).
 - e) Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to §82.156.
 - f) Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to §82.166.
- 3) If the permittee manufactures, transforms, imports, or exports a class I or class II substance, the permittee is subject to all the requirements as specified in 40 CFR Part 82, Subpart A, Production and Consumption Controls.
 - 4) If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR part 82, Subpart B, Servicing of Motor Vehicle Air conditioners. The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant.

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(6)(C)1.B Permit Duration

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

10 CSR 10-6.065(6)(C)1.C General Recordkeeping and Reporting Requirements

1) Recordkeeping

- a) All required monitoring data and support information shall be retained for a period of at least five years from the date of the monitoring sample, measurement, report or application.
- b) Copies of all current operating and construction permits issued to this installation shall be kept on-site for as long as the permits are in effect. Copies of these permits shall be made immediately available to any Missouri Department of Natural Resources' personnel upon request.

2) Reporting

- a) All reports shall be submitted to the Air Pollution Control Program, Enforcement Section, P. O. Box 176, Jefferson City, MO 65102.
- b) The permittee shall submit a report of all required monitoring by:
 - i) October 1st for monitoring which covers the January through June time period, and
 - ii) April 1st for monitoring which covers the July through December time period.
 - iii) Exception. Monitoring requirements which require reporting more frequently than semi annually shall report no later than 30 days after the end of the calendar quarter in which the measurements were taken.
- c) Each report shall identify any deviations from emission limitations, monitoring, recordkeeping, reporting, or any other requirements of the permit, this includes deviations or Part 64 exceedances.
- d) Submit supplemental reports as required or as needed. Supplemental reports are required no later than ten days after any exceedance of any applicable rule, regulation or other restriction. All reports of deviations shall identify the cause or probable cause of the deviations and any corrective actions or preventative measures taken.
 - i) Notice of any deviation resulting from an emergency (or upset) condition as defined in paragraph (6)(C)7.A 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 semiannual report shall be reported on the schedule specified in this permit, and no later than ten days after any exceedance of any applicable rule, regulation, or other restriction.
- e) Every report submitted shall be certified by the responsible official, except that, if a report of a deviation must be submitted within ten days after the deviation, the report may be submitted without a certification if the report is resubmitted with an appropriate certification within ten days after that, together with any corrected or supplemental information required concerning the deviation.
- f) The permittee may request confidential treatment of information submitted in any report of deviation.

10 CSR 10-6.065(6)(C)1.D Risk Management Plan Under 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(6)(C)1.F Severability Clause

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

10 CSR 10-6.065(6)(C)1.G General Requirements

- 1) The permittee must comply with all of the terms and conditions of this permit. Any noncompliance with a permit condition constitutes a violation and is grounds for enforcement action, permit termination, permit revocation and re-issuance, permit modification or denial of a permit renewal application.
- 2) The permittee may not use as a defense in an enforcement action that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.
- 3) The permit may be modified, revoked, reopened, reissued or terminated for cause. Except as provided for minor permit modifications, the filing of an application or request for a permit modification, revocation and reissuance, or termination, or the filing of a notification of planned changes or anticipated noncompliance, does not stay any permit condition.
- 4) This permit does not convey any property rights of any sort, nor grant any exclusive privilege.
- 5) The permittee shall furnish to the Air Pollution Control Program, upon receipt of a written request and within a reasonable time, any information that the Air Pollution Control Program reasonably may require to determine whether cause exists for modifying, reopening, reissuing or revoking the permit or to determine compliance with the permit. Upon request, the permittee also shall furnish to the Air Pollution Control Program copies of records required to be kept by the permittee. The permittee may make a claim of confidentiality for any information or records submitted pursuant to 10 CSR 10-6.065(6)(C)1.

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

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

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

None.

10 CSR 10-6.065(6)(C)3 Compliance Requirements

- 1) Any document (including reports) required to be submitted under this permit shall contain a certification signed by the responsible official.
- 2) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow authorized officials of the Missouri Department of Natural Resources, or their authorized agents, to perform the following (subject to the installation's right to seek confidential treatment of information submitted to, or obtained by, the Air Pollution Control Program):
 - a) Enter upon the premises where a permitted installation is located or an emissions-related activity is conducted, or where records must be kept under the conditions of this permit;
 - b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
 - c) Inspect, at reasonable times and using reasonable safety practices, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit; and
 - d) As authorized by the Missouri Air Conservation Law, Chapter 643, RSMo or the Act, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with the terms of this permit, and all applicable requirements as outlined in this permit.
- 3) All progress reports required under an applicable schedule of compliance shall be submitted 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 April 1st, unless the applicable requirement specifies more frequent submission. These certifications shall be submitted to EPA Region VII, 901 North 5th Street, Kansas City, Kansas 66101, as well as the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102. All deviations and Part 64 exceedances and excursions must be included in the compliance certifications. The compliance certification shall include the following:
 - a) The identification of each term or condition of the permit that is the basis of the certification;
 - b) The current compliance status, as shown by monitoring data and other information reasonably available to the installation;
 - c) Whether compliance was continuous or intermittent;
 - d) The method(s) used for determining the compliance status of the installation, both currently and over the reporting period; and

- e) Such other facts as the Air Pollution Control Program will require in order to determine the compliance status of this installation.

10 CSR 10-6.065(6)(C)6 Permit Shield

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

10 CSR 10-6.065(6)(C)7 Emergency Provisions

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

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

An installation that has been issued a Part 70 operating permit is not required to apply for or obtain a permit revision in order to make any of the changes to the permitted installation described below if the changes are not Title I modifications, the changes do not cause emissions to exceed emissions allowable under the permit, and the changes do not result in the emission of any air contaminant not previously emitted. The permittee shall notify the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as well as EPA Region VII, 901 North 5th Street, Kansas City, Kansas 66101, at least seven days in advance of these changes, except as allowed for emergency or upset conditions. Emissions allowable

under the permit means a federally enforceable permit term or condition determined at issuance to be required by an applicable requirement that establishes an emissions limit (including a work practice standard) or a federally enforceable emissions cap that the source has assumed to avoid an applicable requirement to which the source would otherwise be subject.

- 1) Section 502(b)(10) changes. Changes that, under section 502(b)(10) of the Act, contravene an express permit term may be made without a permit revision, except for changes that would violate applicable requirements of the Act or contravene federally enforceable monitoring (including test methods), recordkeeping, reporting or compliance requirements of the permit.
 - a) Before making a change under this provision, the Permittee shall provide advance written notice to the Air Pollution Control Program, Enforcement Section, P.O. Box 176, Jefferson City, MO 65102, as well as EPA Region VII, 901 North 5th Street, Kansas City, Kansas 66101, describing the changes to be made, the date on which the change will occur, and any changes in emission and any permit terms and conditions that are affected. The permittee shall maintain a copy of the notice with the permit, and the Air Pollution Control Program shall place a copy with the permit in the public file. Written notice shall be provided to the EPA and the Air Pollution Control Program as above at least seven days before the change is to be made. If less than seven days notice is provided because of a need to respond more quickly to these unanticipated conditions, the permittee shall provide notice to the EPA and the Air Pollution Control Program as soon as possible after learning of the need to make the change.
 - b) The permit shield shall not apply to these changes.

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

- 1) Except as noted below, the permittee may make any change in its permitted operations, activities or emissions that is not addressed in, constrained by or prohibited by this permit without obtaining a permit revision. Insignificant activities listed in the application, but not otherwise addressed in or prohibited by this permit, shall not be considered to be constrained by this permit for purposes of the off-permit provisions of this section. Off-permit changes shall be subject to the following requirements and restrictions:
 - a) The change must meet all applicable requirements of the Act and may not violate any existing permit term or condition; the permittee may not change a permitted installation without a permit revision if this change is subject to any requirements under Title IV of the Act or is a Title I modification;
 - b) The permittee must provide written notice of the change to the Air Pollution Control Program, 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 notice shall not be required for changes that are insignificant activities under 10 CSR 10-6.065(6)(B)3. This written notice shall describe each change, including the date, any change in emissions, pollutants emitted and any applicable requirement that would apply as a result of the change.
 - c) The permittee shall keep a record describing all changes made at the installation that result in emissions of a regulated air pollutant subject to an applicable requirement and the emissions resulting from these changes; and
 - d) The permit shield shall not apply to these changes.

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

The application utilized in the preparation of this permit was signed by Mr. Nobuo Fujiwara, President. 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(6)(E)6 Reopening-Permit for Cause

This permit may be reopened for cause if:

- 1) The Missouri Department of Natural Resources receives notice from the EPA that a petition for disapproval of a permit pursuant to 40 CFR § 70.8(d) has been granted, provided that the reopening may be stayed pending judicial review of that determination,
- 2) The Missouri Department of Natural Resources or EPA determines that the permit contains a material mistake or that inaccurate statements were made which resulted in establishing the emissions limitation standards or other terms of the permit,
- 3) 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,
- 4) The installation is an affected source under the acid rain program and additional requirements (including excess emissions requirements), become applicable to that source, provided that, upon approval by EPA, excess emissions offset plans shall be deemed to be incorporated into the permit; or
- 5) The Missouri Department of Natural Resources or EPA determines that the permit must be reopened and revised to assure compliance with applicable requirements.

10 CSR 10-6.065(6)(E)1.C Statement of Basis

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

VI. Attachments

Attachments follow.

Attachment E

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

Emission Unit	Description	MHDR (lb/hr)	Emission Factor	Uncontrolled PM (lbs/hr)	Controlled PM (lb/hr)	² (E) Process Weight Limit (lbs/hr)
EU00	Aluminum Die Cast Melting Furnaces (x3) (EP-83)	0.1605 tph	3 lbs PM ₁₀ /ton	0.963	---	1.2
EU00	Fluidized Bed Parts Cleaner (EP-167)	0.457 tph	2.25 lb PM ₁₀ /ton	2.06	¹ 0.41	2.43

¹Unit is equipped with bag filtration providing control efficiency of 80%.

²E = 4.10(P)^{0.67}

Where:

E = rate of emission in lb/hr

P = process weight rate in tons/hr

Unit Description (Emission Point No.)	MHDR Solvent Usage (tons/hr)	PM Emission Factor (lb/ton Coating)	Transfer efficiency	Uncontrolled Emission rate (lb/hr)	Emission Control	Controlled Emission rate (lb/hr)	(E) PWR limit (lb/hr)
Injection Paint Booths (B-1) (EP-60, EP-61)	0.0023	1080.40	50.00%	1.24	99.00%	0.01	0.07
Side Molding Automated Paint Booth (P-1) (EP-69, EP-70)	0.0081	1362.80	50.00%	5.52	99.00%	0.06	0.16
Building 1 Paint Booth (P-0) (EP-81)	0.0080	1080.40	50.00%	4.32	99.00%	0.04	0.16
Back Panel (Rear Garnish) Paint Booth (P-2) (EP-128)	0.0021	1828.00	50.00%	1.92	99.00%	0.02	0.07
Mudguard Paint Booth (P-3) (EP-132, EP-133)	0.0025	1828.00	50.00%	2.29	99.00%	0.02	0.07
Air Bag/Column Cover Paint Booth (P-4) (EP-137, EP-138)	0.0035	1744.60	50.00%	3.05	99.00%	0.03	0.09
Air Bag Robotic Paint Booths (P-5, P-6) (EP-146, EP-147)	0.0084	1011.20	50.00%	4.25	99.00%	0.04	0.17
Air Bag Robotic Paint Booth (P-7) (EP-159)	0.0046	1148.00	50.00%	2.64	99.00%	0.03	0.11
Robotic Paint booths (P-9) (EP-176, 177, 179, 180)	0.0070	1775.00	50.00%	6.21	99.00%	0.06	0.15
Chain on Edge Spray System Robotic Paintbooth (P-8) (EP-184)	0.0105	660.00	65.00%	2.43	99.00%	0.02	0.19

Since the calculated particulate matter emission rates are much less than the respective limits, it is highly unlikely that these units will exceed the limits of 10 CSR 10-6.400(3)(A)(1).

Attachment E (Continued)

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

To evaluate compliance with the emission limit of 0.30 gr/scf of 10 CSR 10-6.400(3)(A)(4), the calculated emission rate of each unit as listed in the previous tables must be converted into the proper units. To convert the emission rate from pounds/hour to grains/standard cubic feet, the following equation is used:

$$Emission\ Rate\ (gr / dscf) = Emission\ Rate\ \left(\frac{lb}{hr}\right) \times \left(\frac{7000\ grains}{lb}\right) \div \left(\frac{Stack\ Flow\ Rate\ (SCFM)}{60\ min / hr}\right)$$

Stack flow rates are derived from the reported actual stack flow rate (ACFM) after standardization to SCFM utilizing Ideal Gas Law.

Unit Description (Emission Point No.)	Emission Points	Temp °F	Temp K	ACFM	SCFM	PM (lb/hr)	PM (gr/scf)
Injection Paint Booths (B-1) (EP-60, EP-61)	60-61	350	449.8	5912	3895.62	0.07	0.002
Side Molding Automated Paint Booth (P-1) (EP-69, EP-70)	69-70	75	297.0	4700	4689.89	0.06	0.001
Building 1 Paint Booth (P-0) (EP-81)	80-82	282	412.0	1100	791.28	0.02	0.004
Aluminum Die Cast Melting Furnaces (x3) (EP-83)	83	500	533.1	1974	1097.43	0.96	0.102
Back Panel (Rear Garnish) Paint Booth (P-2) (EP-128)	126-131	73	295.9	2211	2214.53	0.02	0.001
Mudguard Paint Booth (P-3) (EP-132, EP-133)	132-136	73	295.9	2503	2506.99	0.02	0.001
Air Bag/Column Cover Paint Booth (P-4) (EP-137, EP-138)	137-143	73	295.9	10998	11015.55	0.03	0.000
Air Bag Robotic Paint Booths (P-5, P-6) (EP-146, EP-147)	144-148	190	360.9	1330	1092.22	0.04	0.005
Air Bag Robotic Paint Booth (P-7) (EP-159)	155-162	200	366.5	1200	970.52	0.03	0.003
Fluidized Bed Parts Cleaner	167	75	297.0	7000	6984.94	0.41	0.007
Robotic Paint Booths (P-9) (EP-176, 177, 179, 180)	171-183	70	294.3	24000	24174.45	0.06	0.000
Chain on Edge Spray System Robotic Paint Booth (P-8) (EP-184)	184-187	70	294.3	46000	46334.36	0.02	0.000

Attachment J

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

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

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

Readings ranged from _____ to _____ % opacity.

Was the emission unit in compliance at the time of evaluation? _____

YES NO Signature of Observer _____

STATEMENT OF BASIS

Permit Reference Documents

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

- 1) Part 70 Operating Permit Application, received October 1, 2002;
- 2) 2006 Emissions Inventory Questionnaire, received June 1, 2007; and
- 3) U.S. EPA document AP-42, *Compilation of Air Pollutant Emission Factors*; Volume I, Stationary Point and Area Sources, Fifth Edition.

Other Air Regulations Determined Not to Apply to the Operating Permit

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

10 CSR 10-6.100, *Alternate Emission Limits*

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

Construction Permit History

Permit #	Brief Project Description
1187-009A	Installation of parts molding operation.
0290-003	Installation of six (6) polyurethane presses to mold air bag covers.
0290-004	Installation of 14 polyurethane presses, a spray booth, and an adhesive coating machine.
0590-006	Addition of painting equipment for side protection molding.
0691-002	Installation of nine (9) polyurethane presses for molding air bag covers.
0791-010	Installation of six (6) polyurethane steering wheel presses.
0791-013	Installation of injection molding, aluminum die cast, and air bag assembly
0592-001	Installation of six (6) polyurethane steering wheel presses.
0792-029	Installation of three (3) polyurethane steering wheel presses.
0393-010	Installation of six (6) polyurethane presses and one (1) aluminum die cast furnace.
0794-018	Installation of aluminum die casting, air bag assembly, polyurethane processing, and spray painting.
0595-007	Addition of Injection molding equipment.
1295-019	Installation of an air bag robotic paint booth.
0396-005	Installation of Magnesium die casting
0896-005	Installation of Saturn outer-belt process line. <i>Special Conditions supercede all previous permits.</i>
1297-018	Installation of two (2) magnesium die casting lines.
0298-014	Construction of six (6) new polyurethane paint booths.
0998-006	Installation of four (4) polyurethane paint booths.
042002-018	Installation of a robotic paint booth.

Construction Permit Revisions

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

Note: Air Pollution Control Program Construction Permit #0896-005 supercedes the permit conditions of Construction Permits No. #0986- 012A, #1187-009A, #0290-003, #0290-004, #0590-006, #0691-002, #0791-010, #0592-001, #0792-029, #0393-010, #0794-018, #0595-007 and #0396-005. Permit # 0791-

013 is also superseded by this operating permit because it was unintentionally not superseded by Permit #0896-005.

Air Pollution Control Program Construction Permits #0896-005, 1297-018, 0298-014, & 0998-006

The 386.83 TPY VOC limit along with the monitoring and reporting requirements of these permits are identical, and were consolidated into Plant-wide Condition PW-001.

Since emissions are calculated based upon the throughput of coatings in the paint booths, the ancillary equipment associated with the respective paint lines were considered units without limitations for simplicity.

Air Pollution Control Program Construction Permit #1295-019

Special Condition # 2 was edited to allow use of Attachments B and C, and to clarify the reporting requirements.

Air Pollution Control Program Construction Permit #042002-018

Condition wording edited for style purposes. The content remains the same.

New Source Performance Standards (NSPS) Applicability

None.

Maximum Available Control Technology (MACT) Applicability

Subpart PPPP—*National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products*

Subpart PPPP is not applicable because this facility is not major for HAPS per §63.4481(b)

Subpart IIII—*National Emission Standards for Hazardous Air Pollutants: Surface Coating of Automobiles and Light-Duty Trucks*

Subpart IIII is not applicable to the coating operation because this facility is not major for HAPS per §63.3081(b)

National Emission Standards for Hazardous Air Pollutants (NESHAP) Applicability

None.

Compliance Assurance Monitoring (CAM) Applicability

40 CFR Part 64, *Compliance Assurance Monitoring (CAM)*

The CAM rule applies to each pollutant specific emission unit that:

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

40 CFR Part 64 is not applicable because none of the pollutant-specific emission units uses a control device to achieve compliance with a relevant standard.

Other Regulatory Determinations

10 CSR 10-3.060 *Maximum Allowable Emissions of Particulate Matter From Fuel Burning Equipment Used for Indirect Heating*

The following table lists all combustion sources at this facility. Per §3.060(3)(C), the total heat input of all fuel burning units at a plant or on premises shall be used for determining the maximum allowable amount of particulate matter that may be emitted from indirect heating sources. All sources were constructed post-1971, and therefore considered new sources.

Emission Unit Description - Heat Sources (Natural Gas)	Emission Points	MHDR (MMBtu/hr)
<i>Source: 2006 EIQ and OP Application</i>		
Aluminum Die Cast Melting Furnaces (3 Units)	EP-83	2.40000
Magnesium Die Cast Melting Furnaces (3 Units)	EP-163	0.01591
Back Panel (Rear Garnish) Paint Booth (P-2) burner	EP-130	5.00000
Mudguard Paint Booth (P-3) Burner	EP-135	5.00000
Air Bag/Column Cover Paint Booth (P-4) burner	EP-142	5.00000
Air Bag Robotic Paint Booths (P-5, P-6) dryer oven	EP-144, EP-145	5.00000
P-7 Dryer Oven	EP-158	1.93800
Fluidized Bed	EP-167	0.00000
Boiler (Rubber Extrusion Process)	EP-170	0.06615
P-9 Cure Oven	EP-182	5.00000
Chain on Edge Spray System (P-8) Heat Curing	EP-186	5.00000
Chain on Edge Spray System (P-8) Burner	EP-187	5.00000
P-10 Burner	EP-192	5.00000
P-11 Oven	EP-195	5.00000
P-11 Burner	EP-196	5.00000
P-12 Burner	EP-203	5.00000
P-12 Burner	EP-205	5.00000
P-12 Heat Oven	EP-204	5.00000
Space Heaters	EP-90, to EP-115	17.65200
Make-Up Air	EP-90, to EP-115	1.50000
Make-Up Air	EP-90, to EP-115	5.75200
13 Small Unit Heaters	EP-90, to EP-115	10.40000
9 Water Heaters	EP-116, to EP125	0.40000
$E = 1.31(Q)^{-0.338}$	Total Heat Sources =	105.12406
	E(lbs/MMBtu) =	0.27

For all units combusting natural gas:

$$\text{Natural Gas PM Emission Factor (lbs / MMBtu)} = \frac{7.6 \text{ lbs}/10^6 \text{ scf}}{1020 \text{ MMBtu} / 10^6 \text{ scf}} = 7.45 \times 10^{-03} \text{ lb/MMBtu}$$

(AP - 42 Table 1.4 - 2(7/98))

$$\text{MHDR} \times \text{Emission Factor} = \left(\frac{0.06615 \text{ MMBtu}}{\text{Hour}} \right) \times \left(\frac{7.45 \times 10^{-03} \text{ lb}}{\text{MMBtu}} \right) = 4.93 \times 10^{-04} \text{ lb PM / hr emitted}$$

The applicable emission limit of §3.060(5)(B) is 0.27 lb/MMBtu, and as demonstrated above, the expected individual emission rates from all of the natural gas fired units at this facility are several orders of magnitude lower than this limit. Therefore, no unit specific requirements were included in this permit for this rule.

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

EP 83

In the 2006 EIQ, the facility provided an emission factor of 3 lbs PM₁₀/ton from stack testing for the Aluminum Die Cast Melting Furnaces (EP-83), therefore:

$$\left(\frac{3 \text{ lbs PM}_{10}}{\text{ton}} \right) \times \left(\frac{2 \text{ lbs PM}}{1 \text{ lb PM}_{10}} \right) \times \left(\frac{0.1605 \text{ ton}}{\text{hour}} \right) = 0.963 \text{ lb PM / hr emitted}$$

And the limit is: $E = 4.10(P)^{0.67} = 4.10(0.1605)^{0.67} = 1.2 \text{ lb/hr}$

As demonstrated, this unit is expected to be in compliance.

EP 84

The Missouri Department of Natural Resources' letter of February 26, 1997, to Ms. Cindy Rollet allowing the use of 0.47 lbs per ton PM₁₀ emission factor for aluminum die casting. Since the casting rate is dependent on the Aluminum Die Cast Melting Furnaces, the MHDR is the same.

$$\left(\frac{0.47 \text{ lbs PM}_{10}}{\text{ton}} \right) \times \left(\frac{2 \text{ lbs PM}}{1 \text{ lb PM}_{10}} \right) \times \left(\frac{0.1605 \text{ ton}}{\text{hour}} \right) = 0.15 \text{ lb PM / hr emitted}$$

Which is less than 0.5 lb/hr, therefore this unit is not subject to the provisions of this rule.

EP 85. Emission factor of 15 lbs PM₁₀ per ton processed from source test at another facility referred to in the 1996 EIQ for aluminum shot blasting.

$$\left(\frac{15 \text{ lbs PM}_{10}}{\text{ton processed}} \right) \times \left(\frac{2 \text{ lbs PM}}{1 \text{ lb PM}_{10}} \right) \times \left(\frac{0.0022 \text{ ton}}{\text{hour}} \right) = 0.066 \text{ lb PM / hr emitted}$$

Which is less than 0.5 lb/hr, therefore this unit is not subject to the provisions of this rule.

EP 163. SCC code 3-04-006-01 magnesium pot furnace = 4.0 lbs PM/ton. FIRE 6.25

$$\left(\frac{4 \text{ lbs PM}}{\text{ton processed}} \right) \times \left(\frac{0.02 \text{ ton}}{\text{hour}} \right) = 0.08 \text{ lb PM / hr emitted}$$

Which is less than 0.5 lb/hr, therefore this unit is not subject to the provisions of this rule.

EP 167. Actual emissions from source test of a similar unit submitted to TG (U.S.A.) by manufacturer was derived to be 2.25 lb PM₁₀ /ton processed. Evaluating the unit without controls (because there are no enforceable conditions requiring the use during unit operation) gives:

$$\left(\frac{2.25 \text{ lbs PM}_{10}}{\text{ton processed}} \right) \times \left(\frac{2 \text{ lbs PM}}{1 \text{ lb PM}_{10}} \right) \times \left(\frac{0.457 \text{ ton}}{\text{hour}} \right) = 2.06 \text{ lb PM / hr emitted}$$

Since the uncontrolled PM emission rate > 0.5 lbs/hr, this unit is subject to §6.400 therefore:

$$\text{The limit for this unit is: } E = 4.10(P)^{0.67} = 4.10(0.457)^{0.67} = 2.43 \text{ lb/hr}$$

Given the reduction from the use of the filters as a control device (80% control efficiency) as reported gives:

$$\left(\frac{2.25 \text{ lbs PM}_{10}}{\text{ton processed}} \right) \times \left(\frac{2 \text{ lbs PM}}{1 \text{ lb PM}_{10}} \right) \times \left(\frac{0.457 \text{ ton}}{\text{hour}} \right) (1 - 80\%) = 0.41 \text{ lb PM / hr emitted}$$

Therefore it is highly unlikely that this unit will exceed the standard since the unit meets the emission limit without consideration of existing emission controls.

EP-170. Rubber Extrusion Process (EP-170) Storage Bin

For the raw materials storage bin associated with the rubber extrusion process, The PM emission factor and MHDR obtained from CP#0896-005.

$$\left(\frac{0.14 \text{ lbs PM}_{10}}{\text{ton}} \right) \times \left(\frac{0.0115 \text{ ton}}{\text{hour}} \right) = 0.00161 \text{ lb PM / hr emitted}$$

Which is less than 0.5 lb/hr, therefore this unit is not subject to the provisions of this rule.

Paint Booth Evaluation Basis:

The maximum solids content was assumed to be the remainder of the total contents (100%) minus the concentration of VOCs reported. For example, the worst case scenario for Mud Guard Paint Booth (P-3), would be the coating used that has the highest solids content. Coating #529 has a reported VOC content of 8.60% and a density of 9.3 lbs/gallon.

100% - 8.60% = 91.4% of the solids have the potential to be emitted. This translates into an emission factor of:

$$\text{Emission Factor} = \left(\frac{91.4}{100} \right) \times \left(\frac{2000 \text{ lbs}}{\text{ton}} \right) = \frac{1828 \text{ lbs PM}}{\text{Ton Coating Applied}}$$

For P-3, the MHDR is 0.0025 tons/hour, and the transfer efficiency is given at 50%. Capture efficiency is 100%, Control efficiency is 99%.

$$\begin{aligned}
 \text{PTE} &= (\text{MHDR}) \times (\text{Emission Factor}) \times \left(1 - \frac{\text{Transfer Efficiency}}{100}\right) \times \left(1 - \frac{\text{Control Efficiency}}{100}\right) \\
 &= \left(\frac{0.0025 \text{ tons}}{\text{hour}}\right) \times \left(\frac{1828 \text{ lbs PM}}{\text{Ton Coating}}\right) \times \left(1 - \frac{50}{100}\right) = 1.92 \text{ lbs/hour}
 \end{aligned}$$

And:

$$\text{Controlled PTE (99\% efficiency)} = (1.92 \text{ lbs/hour}) \times \left(1 - \frac{99}{100}\right) = 0.02 \text{ lbs/hr emitted}$$

And the calculated limit is; $E = 4.10(P)^{0.67} = 4.10(0.0025)^{0.67} = 0.074 \text{ lbs/hr}$ allowed, demonstrating that this unit is always expected to meet the standard of this rule.

The following table lists the paint booths that have an uncontrolled PM emission rate of less than 0.5 lb/hr and, in accordance with 10 CSR 10-6.400(1)(B)11, are exempt from 10 CSR 10-6.400.

Paint Booth Description	Max Solids by wt (%)	MHDR solvent (tons/hr)	PM Emission Factor (lb/ton)	Transfer Efficiency (%)	Uncontrolled PM Emission Rate (lb/hr)	Emission Control (%)	Controlled PM Emission rate (lb/hr)
P/U Adhesive coating #1 (EP-1, EP-2)	38	0.0008	760.00	50%	0.30	99.00%	0.00
P/U Adhesive coating #2 (EP-5, EP-6)							
Spray Paint Presses (EP-07 to EP-59)	38	0.0013	760.00	65%	0.36	99.00%	0.00
Side Molding Primer Application Paint Booths EP-66, EP-67, EP-68	48	0.0001	954.80	50%	0.05	99.00%	0.00
Robotic Paint Finishing System (P-10) EP-188	33	0.0018	660.00	65%	0.40	99.00%	0.00
Building 3 Paint (Three Axis Coating) Finishing Booth (P-11) EP-194	33	0.0018	660.00	65%	0.40	99.00%	0.00
Coating Line with pallet Style Conveyor (P-12) EP-197, EP-200	33	0.0018	660.00	65%	0.40	99.00%	0.00

10 CSR 10-6.260 Restriction of Emission of Sulfur Compounds

The table used in the discussion of the applicability of §3.060 earlier in this Statement of Basis lists all natural gas combustion sources at this facility. The units are exempt from this rule by 10 CSR 10-6.260(1)(A)(2). Although as demonstrated below, it is highly unlikely that this unit will exceed the emission standard of 500 ppmv [§6.260(3)(A)] or the 8 lbs/MMBtu limit [§6.260(3)(C)(2)(A)] when using natural gas.

$$\text{Natural gas SO}_2 \text{ emission factor (lbs/MMBtu)} = \frac{0.6 \text{ lbs}/10^6 \text{ scf}}{1020 \text{ MMBtu}/10^6 \text{ scf}} = 5.88 \times 10^{-4} \text{ lb/MMBtu}$$

(AP - 42 Table 1.4 - 2(7/98))

$$\text{ppmv SO}_2 = \left(\frac{5.88\text{E} - 4\text{lb}}{\text{MMBtu}} \right) \times \left(\frac{\text{MMBtu}}{10,610 \text{ wscf}} \right) \times \left(\frac{\text{ppmw}}{1.667\text{E}^{-7} \text{ lb/scf}} \right) \times \left(\frac{0.45 \text{ ppmv}}{\text{ppmw}} \right) = 153.3 \text{ ppmv}$$

Therefore no unit specific conditions were placed on this unit regarding this rule.

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

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

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

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

Prepared by:



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