FG-MACT IIII-AUTO ASSEMBLY
FLEXIBLE GROUP CONDITIONS
40 CFR Part 63, Subpart IIII covers major sources of HAPs.

Red text identifies options. Select the option that applies to the source and change the text to black. Delete red text that does not apply and renumber conditions if necessary.

Blue text is guidance or notes on the use of the template. Delete all blue text prior to issuing the final permit or submitting it with a permit application. Read through all conditions. If the permittee has control equipment, or wants the option to add control equipment in the future, use all the conditions in this template, selecting the appropriate control type for the tables. If there is currently no control or no plans to add control, eliminate the conditions that reference use of control (red conditions).

If this template is being used for an ROP Reopening or Renewal, and the MACT conditions were established in a PTI, the appropriate footnotes which reference enforceability must be added to each applicable condition in the template.

DESCRIPTION

Each new, reconstructed, or existing affected source as defined in Title 40 of the Code of Federal Regulations (CFR), Part 63.3082, that is located at a facility which applies topcoat to new automobile or new light duty truck bodies or body parts for new automobiles or new light duty trucks; AND/OR in which you choose to include, pursuant to 40 CFR 63.3082(c), any coating operations which apply coatings to new other motor vehicle bodies or body parts for new other motor vehicles; parts intended for use in new automobiles, new light duty trucks or new other motor vehicles; or aftermarket repair or replacement parts for automobiles, light duty trucks or other motor vehicles; and that is a major source, is located at a major source, or is part of a major source of emissions of hazardous air pollutants (HAPs) except as provided in 63.3081(c). This includes equipment covered by other permits, grandfathered equipment, and exempt equipment.

The following information may be incorporated into the staff report as it applies to the source:

- An affected source is a new affected source if you commenced its construction after December 24, 2002, and the construction is of a completely new automobile and light-duty truck, or other motor vehicle assembly plant; automobile and light-duty truck, or other motor vehicle paint shop; automobile and light-duty truck, or other motor vehicle topcoat operation where previously no automobile and light-duty truck assembly plant, automobile and light-duty truck assembly paint shop, or automobile and light-duty truck assembly topcoat operation had existed; and
  - No other motor vehicle assembly plant, other motor vehicle paint shop, or other motor vehicle topcoat operation had previously existed; or
  - No previously existing other motor vehicle assembly plant, other motor vehicle paint shop, or other motor vehicle topcoat operation is subject to this subpart; or
  - If the facility was previously not a major source for HAP, no previous existing other motor vehicle assembly plant, other motor vehicle paint shop, or other motor vehicle topcoat operation is made part of the affected source under this subpart. **(40 CFR 63.3082(e))**
- An affected source is reconstructed if its paint shop undergoes replacement of components to such an extent that:
  1. The fixed capital cost of the new components exceeded 50 percent of the fixed capital cost that would be required to construct a new paint shop; and
  2. It was technologically and economically feasible for the reconstructed source to meet the relevant standards established by the Administrator pursuant to section 112 of the Clean Air Act (CAA). **(40 CFR 63.3082(f))**
- An affected source exists if it is not new or reconstructed. **(40 CFR 63.3082(g))**

For an existing affected source, the compliance date is April 16, 2007. **(40 CFR 63.3083(b))**

Emission Units: **Identify Emission Units in this Flexible Group**

POLLUTION CONTROL EQUIPMENT

Identify specific control equipment used by the facility.

I. EMISSION LIMIT(S) **Select the appropriate limits for the facility based on the definitions of equipment group and existing, new or reconstructed affected source. Renumber items in table and subsequent conditions.**

Two different equipment groupings are allowed.

- FG-MACT IIII-AUTO ASSEMBLY includes Guidecoat, Topcoat, Final Repair, Glass Bonding Primer, and Glass Bonding Adhesive operations plus all coatings and thinners, except for deadener materials and adhesive and sealers not part of glass bonding systems.
- FG-MACT IIII-AUTO ASSEMBLY WITH ECOAT also includes Electrocoat operations in addition to all of the operations of FG-MACT IIII-AUTO ASSEMBLY.
- The emission limits should correspond to whether the applicant is New/Reconstructed or existing as defined in 40 CFR 63.3082.
- There should only be 4 limits in the table – one for FG-MACT IIII-AUTO ASSEMBLY with ECOAT, one for FG-MACT IIII-AUTO ASSEMBLY (not using Electrocoat), one for EU-NGB ADHESIVES & SEALERS and one for EU-DEADENERS.

Pollutant	Limit	Time Period/Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Organic HAP	0.30 lb per GACS	Calendar month	**New/Reconstructed –** FG-MACT IIII-AUTO ASSEMBLY WITH ECOAT	SC III.2, V.1 & VI.3	**40 CFR Part 63.3090(a)**
2. Organic HAP*	0.50 lb per GACS	Calendar month	**New/Reconstructed –** FG-MACT IIII-AUTO ASSEMBLY	SC III.2, V.1 & VI.3	**40 CFR 63.3090(b)**
1. Organic HAP	0.60 lb per GACS	Calendar month	**Existing –** FG-MACT IIII-AUTO ASSEMBLY WITH ECOAT	SC III.2, V.1 & VI.3	**40 CFR 63.3091(a)**
2. Organic HAP*	1.10 lbs per GACS	Calendar month	**Existing –** FG-MACT IIII-AUTO ASSEMBLY	SC III.2, V.1 & VI.3	**40 CFR 63.3091(b)**
3. Organic HAP	0.01 lb per lb of coating	Calendar month	**New/Reconstructed or Existing –** EU-NGB ADHESIVES & SEALERS	SC III.2, V.1 & VI.3	**40 CFR 63.3090(c) or 63.3091(c)**
4. Organic HAP	0.01 lb per lb of coating	Calendar month	**New/Reconstructed or Existing –** EU-DEADENERS	SC III.2, V.1 & VI.3	**40 CFR 63.3090(d) or 63.3091(d)**

- **FG-MACT IIII-AUTO ASSEMBLY** includes Guidecoat, Topcoat, Final Repair, Glass Bonding Primer, and Glass Bonding Adhesive operations plus all coatings and thinners, except for deadener materials and adhesive and sealers not part of glass bonding systems.
- **FG-MACT IIII-AUTO ASSEMBLY WITH ECOAT** also includes Electrocoat operations in addition to all of the operations of FG-MACT IIII-AUTO ASSEMBLY.
- **EU-NGB ADHESIVES & SEALERS** include only adhesives and sealers that are not part of glass bonding systems.

* Permittee may choose to comply with this limit if the requirements of Condition No. I.5 is met.

5. The permittee may choose to comply with either Special Conditions I.1 or I.2. The permittee may choose to comply with Special Condition I.2 only if Electrocoat system (EU-ECOAT) meets either of the following requirements. **(40 CFR 63.3092)**

a. Each individual material added to the Electrocoat system contains no more than 1.0 percent by weight of any organic HAP and no more than 0.10 percent by weight of any OHSA-defined carcinogenic organic HAP, or

b. The emissions from all Electrocoat bake ovens are captured and ducted to a CONTROL DEVICE having a minimum destruction or removal efficiency of at least 95 percent (by weight).

II. MATERIAL LIMIT(S)

NA

III. PROCESS/OPERATIONAL RESTRICTION(S)

1. The permittee shall develop and implement a work practice plan to minimize the organic HAP emissions from the storage, mixing and conveying of coatings, thinners, and cleaning materials used in, and waste materials generated by all coating operations for which an emission limit has been established under Special Conditions I.1 through I.4. The work practice plan must specify practices and procedures to ensure that, at a minimum, the following elements are implemented consistent with the requirements of 40 CFR 63.3094: The permittee shall comply with the applicable work practice plans at all times.

   a. All organic-HAP-containing coatings, thinners, cleaning materials, and waste materials must be stored in closed containers.

   b. Spills of organic-HAP containing coatings, thinners, cleaning materials, and waste materials must be minimized.

   c. Organic-HAP-containing coatings, thinners, cleaning materials, and waste materials must be conveyed from one location to another in closed containers or pipes.

   d. Mixing vessels, other than day tanks equipped with continuous agitation systems, which contain organic-HAP-containing coatings and other materials must be closed except when adding to, removing, or mixing the contents.

   e. Emissions of organic HAP must be minimized during cleaning of storage, mixing, and conveying equipment.

   f. Organic HAP emissions from cleaning and from purging of equipment associated with all coating operations subject to emission limits in Special Conditions I.1 through I.4 above must be minimized by addressing:

      i. Vehicle body wipe pursuant to 40 CFR 63.3094(c)(1)(i);

      ii. Coating line purging pursuant to 40 CFR 63.3094(c)(1)(ii);

      iii. Coating system flushing pursuant to 40 CFR 63.3094(c)(1)(iii);

      iv. Cleaning of spray booth grates pursuant to 40 CFR 63.3094(c)(1)(iv);

      v. Cleaning of spray booth walls pursuant to 40 CFR 63.3094(c)(1)(v);

      vi. Cleaning of spray booth equipment pursuant to 40 CFR 63.3094(c)(1)(vi);

      vii. Cleaning of external spray booth areas pursuant to 40 CFR 63.3094(c)(1)(vii);

      viii. Additional housekeeping measures pursuant to 40 CFR 63.3094(c)(1)(viii).

   The permittee may choose to comply with an alternative to the work practice standard, after receiving prior approval from the USEPA in accordance with 40 CFR 63.6(g). **(40 CFR 63.3100(c), 40 CFR 63.4493(b) and (c))**

   The work practice plan shall not become part of the facility's Renewable Operating Permit (ROP). Revisions to the work practice plan likewise do not represent revisions to the facility's ROP. Copies of the current work practice plan and any earlier plan developed within the past 5 years are required to be made available for inspection and copying by the AQD upon request. **(40 CFR 63.3094)**

Use the following conditions for any controlled coating operations subject to the MACT.

2. For any coating operation(s) for which HAP emission reductions due to the use of add-on control equipment are relied upon to demonstrate compliance with the emission limits in Special Conditions I.1 through I.4 above, the permittee shall meet the operating limits specified in Table 1 of 40 CFR Part 63, Subpart IIII as identified below. The operating limits in Table 1 apply to the emission capture and add-on control systems on the coating operations. The permittee must establish the operating limits during the performance test according to the requirements in 40 CFR 63.3167. The operating limits shall be met at all times after they are established, except for periods of startup, shutdown and malfunction. **(40 CFR 63.3093, 40 CFR 63.3100(b) and (d) and Table 1)**

Select the appropriate add-on control device and operating limit for the source. NOTE: Solvent recovery systems are not included in this table. Check Subpart IIII for additional operating requirements, add appropriate condition(s) and reference 63.3167(k).

Add-On Control Device	Operating Limit
Thermal Oxidizer	a. The average combustion temperature in any 3-hour period must not fall below the combustion temperature limit established according to 40 CFR 63.3167(a).
Catalytic Oxidizer	a. The average temperature measured just before the catalyst bed in any 3-hour period must not fall below the limit established according to 40 CFR 63.3167(b); and either: b. Ensure that the average temperature difference across the catalyst bed in any 3-hour period does not fall below the temperature difference limit established according to 40 CFR 63.3167(b)(2); or, c. Develop and implement an inspection and maintenance plan according to 40 CFR 63.3167(b)(4).
Regenerative Carbon Adsorber	a. The total regeneration desorbing gas (*e.g.,* steam or nitrogen) mass flow for each carbon bed regeneration cycle must not fall below the total regeneration desorbing gas mass flow limit established according to 40 CFR 63.3167(c). b. The temperature of the carbon bed after completing each regeneration and any cooling cycle must not exceed the carbon bed temperature limit established according to 40 CFR 63.3167(c).
Condenser	a. The average condenser outlet (product side) gas temperature in any 3-hour period must not exceed the temperature limit established according to 40 CFR 63.3167(d).
Concentrators, Including Zeolite Wheels and Rotary Carbon Adsorbers	a. The average desorption gas inlet temperature in any 3-hour period must not fall below the limit established according to 40 CFR 63.3167(e).
Emission Capture System that is a Permanent Total Enclosure (PTE), Except for Downdraft Spray Booths, Flash-Off Areas, or Bake Ovens Associated with Downdraft Spray Booths	a. The direction of the air flow at all times must be into the enclosure; and either: b. The average facial velocity of air through all-natural draft openings in the enclosure must be at least 200 feet per minute; or, c. The pressure drop across the enclosure must be at least 0.007 inch water, as established in Method 204 of Appendix M to 40 CFR 51.
Emission Capture System that is not a PTE, Except for Downdraft Spray Booths, Flash-Off Areas, or Bake Ovens Associated with Downdraft Spray Booths	a. The average gas volumetric flow rate or duct static pressure in each duct between a capture device and add-on control device inlet in any 3-hour period must not fall below the average volumetric flow rate or duct static pressure limit established for that capture device according to 40 CFR 63.3167(f).

3. The permittee shall develop and implement a written startup, shutdown and malfunction plan (SSMP) in accordance with 40 CFR 63.6(e)(3). This plan must address the startup, shutdown and corrective actions in the event of a malfunction of any emission capture system or add-on control device upon which compliance with any of the emission limits in Special Conditions I.1 through I.4 depends. The SSMP must also address any coating operation equipment that may cause increased emissions or that would affect capture efficiency if the process equipment malfunctions, such as conveyors that move parts among enclosures. **(40 CFR 63.3100(f))**

4. The permittee shall operate and maintain FG-MACT IIII-AUTO ASSEMBLY including any emission capture system or add-on control device upon which compliance with any of the emission limits in Special Conditions I.1 through I.4 depends according to the provisions in 40 CFR 63.6(e)(1)(i). **(40 CFR 63.3100(d))**

5. The permittee shall maintain a log detailing the operation and maintenance of any emission capture system, add-on control device, or continuous parameter monitor upon which compliance with any of the emission limits in Special Conditions I.1 through I.4 depends. The log shall cover the period between the compliance date specified

in 40 CFR 63.3083 and the date when the initial emission capture system and add-on control device performance tests have been completed, as specified in 40 CFR 63.3160. **(40 CFR 63.3100(e))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

NA

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii), 40 CFR 63.3130, 40 CFR 63.3131)**

1. The permittee shall perform the applicable performance tests and compliance demonstrations in accordance with 40 CFR 63.3150-3152, 40 CFR 63.3160-3161, 40 CFR 63.3163-3168, 40 CFR 63.3170-3171, and 40 CFR 63.3173. **(40 CFR Part 63, Subpart IIII)**

2. The permittee may rely upon the results of capture, destruction or transfer efficiency tests that have been previously conducted upon written approval from the AQD District Supervisor. Any such previous tests must meet the criteria identified in 40 CFR 63.3160(c)(1) through (3). **(40 CFR 63.3160)**

3. The permittee shall determine the mass fraction of each organic HAP for each material used according to the procedures established under 40 CFR 63.3151(a)(1) through (5). The permittee may use USEPA Method ALT-017 as an alternative for any material used, after demonstrating that its use as an alternative test methodology for that material, has been approved by the USEPA pursuant to the requirements of 40 CFR 63.3151(a)(3) and 40 CFR 63.7. **(40 CFR 63.7, 40 CFR 63.3151)**

See Appendix 5

VI. MONITORING/RECORDKEEPING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii), 40 CFR 63.3131)**

1. The permittee shall compile all required records and complete all required calculations in a format acceptable to the AQD District Supervisor and make them available by the end of the calendar month following each compliance period unless otherwise specified in any monitoring/recordkeeping condition. **(R 336.1213(3))**

2. The permittee shall conduct an initial compliance demonstration for the initial compliance period described in 40 CFR 63.3150-3151, 40 CFR 63.3160-3161, and 40 CFR 63.3170-3171. The initial compliance period begins on the applicable compliance date specified in 40 CFR 63.3083 and ends on the last day of the month following the compliance date. If the initial date occurs on any day other than the first day of a month, then the initial compliance period extends through the end of that month plus the next month. **(40 CFR 63.3150, 40 CFR 63.3160, 40 CFR 63.3170, 40 CFR 63.3083(a) and (b))**

3. The permittee shall install, operate and maintain each Continuous Parameter Monitoring System (CPMS) according to the requirements of 40 CFR 63.3168(a). If the capture system contains a bypass line, the permittee shall comply with the requirements of 40 CFR 63.3168(b). **(40 CFR 63.3168)**

4. The permittee shall keep all records as required by 40 CFR 63.3130 in the format and timeframes outlined in 40 CFR 63.3131. **(40 CFR 63.3152(c), 40 CFR 63.3163(j))**

5. The permittee shall maintain, at a minimum, the following records as of the applicable compliance date, for each compliance period:
   a. A copy of each notification and report that is submitted to comply with 40 CFR Part 63, Subpart IIII and the documentation supporting each notification and report. **(40 CFR 63.3130(a))**
   b. A current copy of information provided by materials suppliers or manufacturers, such as manufacturer's formulation data, or test data used to determine the mass fraction of organic HAP for each coating, thinner and cleaning material, the density for each coating and thinner, and the volume fraction of coating solids for each coating. **(40 CFR 63.3130(b))**

c. For each coating or thinner used in FG-MACT IIII-AUTO ASSEMBLY or FG-MACT IIII-AUTO ASSEMBLY WITH ECOAT, the volume used in each month, the mass fraction organic HAP content, the density, and the volume fraction of solids. **(40 CFR 63.3130(c))**

d. For each material used in EU-DEADENERS and EU-NGB SEALERS & ADHESIVES, the mass used in each month and the mass organic HAP content. **(40 CFR 63.3130(c))**

e. Calculations of the organic HAP emission rate for FG-MACT IIII-AUTO ASSEMBLY or FG-MACT IIII-AUTO ASSEMBLY WITH ECOAT in pounds per gallon of applied coating solids. If permittee chooses to comply with the option identified in Special Condition I.5.a., a record of the weight fraction of each organic HAP in each material added to the Electrocoat system. These calculations and records must include all raw data, algorithms, and intermediate calculations. If the ‘‘Protocol for Determining Daily Volatile Organic Compound Emission Rate of Automobile and Light-Duty Truck Topcoat Operations,’’ EPA–450/3–88–018 (Docket ID No. OAR–2002–0093 and Docket ID No. A–2001–22), is used, all data input to this protocol must be recorded. If these data are maintained as electronic files, the electronic files, as well as any paper copies must be maintained. **(40 CFR 63.3130(c), 40 CFR 63.3163, 40 CFR 63.3173)**

f. Calculation of the average monthly mass organic HAP content in pounds per pound of coating, separately for EU-DEADENERS and EU-NGB SEALERS & ADHESIVES. **(40 CFR 63.3130(c), 40 CFR 63.3152)**

g. The name, volume, mass fraction organic HAP content and density of each cleaning material used. **(40 CFR 63.3130(d) - (f))**

h. Any additional records pertaining to deviations; startup, shutdown or malfunctions; emission capture systems; performance testing; capture and control efficiency determinations; transfer efficiency determinations; work practice plans; and design and operation of control and monitoring systems for any emission capture system or add-on control device upon which compliance with any of the emission limits in Special Conditions I.1 through I.4 depends, pursuant to 40 CFR 63.3130(g) through (o). **(40 CFR 63.3130(g) – (o))**

i. Records pertaining to the design and operation of control and monitoring systems for any emission capture system or add-on control device upon which compliance with any of the emission limits in Special Conditions I.1 through I.4 depends must be maintained on-site for the life of the equipment in a location readily available to plant operators and inspectors. **(40 CFR 63.3130(o))**

6. For any coating operation(s) using add-on controls, the permittee shall demonstrate continuous compliance with the operating limits specified in Table 1 of 40 CFR Part 63, Subpart IIII for any emission capture system or add-on control device upon which compliance with any of the emission limits in Special Conditions I.1 through I.4 depends pursuant to 40 CFR 63.3163 and 40 CFR 63.3173 using the method(s) described below: **(40 CFR 63.3163, 40 CFR 63.3173 and Table 1)**

Select the appropriate add-on control device and operating limit for the source. NOTE: Solvent recovery systems are not included in this table. Check Subpart IIII for additional operating requirements, add appropriate condition(s) and reference 63.3167(k).

Add-On Control Device	Operating Limit	Continuous Compliance Demonstration Method
Thermal Oxidizer	a. The average combustion temperature in any 3-hour period must not fall below the combustion temperature limit established according to 40 CFR 63.3167(a).	i. Collect the combustion temperature data according to 40 CFR 63.3168(c); ii. Reduce the data to 3-hour block averages; and iii. Maintain the 3-hour average combustion temperature at or above temperature limit.
Catalytic Oxidizer	a. The average temperature measured just before the catalyst bed in any 3-hour period must not fall below the limit established according to 40 CFR 63.3167(b); and either:	i. Collect the temperature data according to 40 CFR 63.3168(c); ii. Reduce the data to 3-hour block averages; and

Add-On Control Device	Operating Limit	Continuous Compliance Demonstration Method
		iii. Maintain the 3-hour average temperature before the catalyst bed at or above the temperature limit.
	b. Ensure that the average temperature difference across the catalyst bed in any 3-hour period does not fall below the temperature difference limit established according to 40 CFR 63.3167(b)(2); or,	i. Collect the temperature data according to 40 CFR 63.3168(c); ii. Reduce the data to 3-hour block averages; and iii. Maintain the 3-hour average temperature difference at or above the temperature difference limit; or
	c. Develop and implement an inspection and maintenance plan according to 40 CFR 63.3167(b)(4).	i. Maintaining an up-to-date inspection maintenance plan, records of annual catalyst activity checks, records of monthly inspections of the oxidizer system, and records of the annual internal inspections of the catalyst bed. If a problem is discovered during a monthly or annual inspection required by 40 CFR 63.3167(b)(4), take corrective action as soon as practicable consistent with the manufacturer's recommendations.
Regenerative Carbon Adsorber	a. The total regeneration desorbing gas (*e.g.,* steam or nitrogen) mass flow for each carbon bed regeneration cycle must not fall below the total regeneration desorbing gas mass flow limit established according to 40 CFR 63.3167(c).	i. Measure the total regeneration desorbing gas (*e.g.*, steam or nitrogen) mass flow for each regeneration cycle according to 40 CFR 63.3168(d); and ii. Maintain the total regeneration desorbing gas mass flow at or above the mass flow limit.
	b. The temperature of the carbon bed after completing each regeneration and any cooling cycle must not exceed the carbon bed temperature limit established according to 40 CFR 63.3167(c).	i. Measure the temperature of the carbon bed after completing each regeneration and any cooling cycle according to 40 CFR 63.3168(d); and ii. Operate the carbon beds such that each carbon bed is not returned to service until completing each regeneration and any cooling cycle until the recorded temperature of the carbon bed is at or below the temperature limit.

Add-On Control Device	Operating Limit	Continuous Compliance Demonstration Method
Condenser	a. The average condenser outlet (product side) gas temperature in any 3-hour period must not exceed the temperature limit established according to 40 CFR 63.3167(d).	i. Collect the condenser outlet (product side) gas temperature according to 40 CFR 63.3168(e); ii. Reduce the data to 3-hour block averages; and iii. Maintain the 3-hour average gas temperature at the outlet at or below the temperature limit.
Concentrators, Including Zeolite Wheels and Rotary Carbon Adsorbers	a. The average desorption gas inlet temperature in any 3-hour period must not fall below the limit established according to 40 CFR 63.3167(e).	i. Collect the temperature data according to 40 CFR 63.3168(f); ii. Reduce the data to 3-hour block averages; and iii. Maintain the 3-hour average temperature at or above the temperature limit.
Emission Capture System that is a Permanent Total Enclosure (PTE), Except for Downdraft Spray Booths, Flash-Off Areas, or Bake Ovens Associated with Downdraft Spray Booths	a. The direction of the air flow at all times must be into the enclosure; and either: b. The average facial velocity of air through all-natural draft openings in the enclosure must be at least 200 feet per minute; or, c. The pressure drop across the enclosure must be at least 0.007 inch water, as established in Method 204 of Appendix M of 40 CFR 51.	i. Collect the direction of air flow, and either the facial velocity of air through all-natural draft openings according to 40 CFR 63.3168(g)(1) or the pressure drop across the enclosure according to 40 CFR 63.3168(g)(2); and ii. Maintain the facial velocity of air flow through all-natural draft openings or the pressure drop at or above the facial velocity limit or pressure drop limit and maintaining the direction of air flow into the enclosure at all times.
Emission Capture System that is not a PTE, Except for Downdraft Spray Booths, Flash-Off Areas, or Bake Ovens Associated with Downdraft Spray Booths	a. The average gas volumetric flow rate or duct static pressure in each duct between a capture device and add-on control device inlet in any 3-hour period must not fall below the average volumetric flow rate or duct static pressure limit established for that capture device according to 40 CFR 63.3167(f).	i. Collecting the gas volumetric flow rate or duct static pressure for each capture device according to 40 CFR 63.3168(g); ii. Reducing the data to 3-hour block averages; and iii. Maintaining the 3-hour average gas volumetric flow rate or duct static pressure for each capture device at or above the gas volumetric flow rate or duct static pressure limit.

7. The permittee shall monitor or secure the valve or closure mechanism controlling each bypass line for each capture system upon which compliance with any of the emission limits in Special Conditions I.1 through I.4 depends in a non-bypass mode such that the valve or closure mechanism cannot be opened without creating a record that it was opened. The method used to monitor or secure the valve or closure mechanism must meet one of the following:
   a. Flow control position indicator requirements pursuant to 40 CFR 63.3168(b)(1)(i); or
   b. Car-seal or lock-and-key valve closures requirements pursuant to 40 CFR 63.3168(b)(1)(ii); or
   c. Valve closure monitoring requirements pursuant to 40 CFR 63.3168(b)(1)(iii); or

d. Automatic shutdown system requirements pursuant to 40 CFR 63.3168(b)(1)(iv).

If any bypass line is opened, a description of why the line was opened and the length of time it remained open must be included in the semiannual compliance reports required in Special Condition 12.18. **(40 CFR 63.3168(b))**

See Appendices {Enter 3, 4, and/or 7}

VII. REPORTING

1. Prompt reporting of deviations pursuant to General Conditions 21 and 22 of Part A. **(R 336.1213(3)(c)(ii))**

2. Semiannual reporting of monitoring and deviations pursuant to General Condition 23 of Part A. The report shall be received by March 15 for reporting period July 1 to December 31 and September 15 for reporting period January 1 to June 30. **(R 336.1213(3)(c)(i), 40 CFR 63.3120(a)(1))**

3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be received by March 15 for the previous calendar year. **(R 336.1213(4)(c))**

4. The permittee shall submit all semiannual compliance reports as required by 40 CFR 63.3120(a). The first time period covered by these reports shall be shortened so as to end on either June 30 or December 31, whichever comes first. These reports shall be due March 15 for the reporting period July 1 to December 31 and September 15 for the reporting period January 1 to June 30. **(40 CFR 63.3120(a))**

5. The permittee shall submit applicable notifications specified in 40 CFR 63.7(b) and (c), 63.8(f)(4) and 63.9(b) through (e) and (h), as specified in 40 CFR 63.3110. **(40 CFR Part 63, Subparts A and IIII)**

6. For any coating operation(s) using add-on controls, the permittee shall submit all performance test reports for emission capture systems and add-on control devices, and reports of transfer efficiency tests as required by 40 CFR 63.3120(b). **(40 CFR 63.3120(b))**

7. If an emission capture system or add-on control device is used to comply with any of the emission limits in Special Conditions I.1 through I.4, and a startup, shutdown, or malfunction occurs during the semiannual reporting period, the permittee shall submit a SSM report as specified in 40 CFR 63.3120(c). **(40 CFR 63.3120(c), 40 CFR 63.10(d))**

See Appendix 8

VIII. STACK/VENT RESTRICTION(S)

The exhaust gases from the stacks listed in the table below shall be discharged unobstructed vertically upwards to the ambient air unless otherwise noted:

Stack & Vent ID	Maximum Exhaust Diameter/Dimensions (inches))	Minimum Height Above Ground (feet)	Underlying Applicable Requirements
NA	NA	NA	NA

IX. OTHER REQUIREMENT(S)

1. The permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants, as specified in 40 CFR Part 63, Subpart A and Subpart IIII for Surface Coating of Automobiles and Light Duty Trucks by the initial compliance date. **(40 CFR Part 63, Subparts A and IIII)**

Footnotes:

[1]This condition is state only enforceable and was established pursuant to Rule 201(1)(b).

[2]This condition is federally enforceable and was established pursuant to Rule 201(1)(a).