



**FG-MACT MMMM-MISC. METAL PARTS COATING
FLEXIBLE GROUP CONDITIONS**
40 CFR Part 63, Subpart MMMM 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, and existing affected source described in 40 CFR 63.3881(a)(1), including the subcategories listed in 40 CFR Part 63, Subpart MMMM, 63.3881(a)(2) through (6), meeting the applicability requirements of 40 CFR 63.3881(b), which is engaged in the surface coating of miscellaneous metal parts and products. The affected source includes the collection of all the items listed in 40 CFR 63.3882(b)(1) through (4). Surface coating is defined by 40 CFR 63.3881 as the application of coating to a substrate using, for example, spray guns or dip tanks. Surface coating also includes associated activities, such as surface preparation, cleaning, mixing, and storage if they are directly related to the application of the coating. 40 CFR Part 63, Subpart MMMM does not apply to surface coating or a coating operation that meets any of the criteria of 40 CFR 63.3881(c)(1) through (17).

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 construction commenced after August 13, 2002, and the construction is of completely new miscellaneous metal parts and products surface coating facility where previously no miscellaneous metal parts and products surface coating facility existed. **(40 CFR 63.3882(c))**
- An affected source is reconstructed if it meets the criteria as defined in 40 CFR 63.2. **(40 CFR 63.3882(d))**
- An affected source exists if it is not new or reconstructed. **(40 CFR 63.3882(e))**

For an existing affected source (constructed before August 13, 2002), the compliance date is January 2, 2007. **(40 CFR 63.3883(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 all appropriate limits for the facility based on the definitions of coating type and existing, new or reconstructed affected source. Renumber items in table and subsequent conditions.

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Organic HAP	1.9 lbs per gal of coating solids	12-month rolling time period *	New or Reconstructed - General Use Coating	SC V.1, VI.1 through VI.10	40 CFR 63.3890(a)(1)

Pollutant	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
2. Organic HAP	27.5 lbs per gal of coating solids	12-month rolling time period *	New or Reconstructed - High Performance Coating	SC V.1, VI.1 through VI.10	40 CFR 63.3890(a)(2)
3. Organic HAP	0.44 lbs per gal of coating solids	12-month rolling time period *	New or Reconstructed - Magnet Wire Coating	SC V.1, VI.1 through VI.10	40 CFR 63.3890(a)(3)
4. Organic HAP	6.8 lbs per gal of coating solids	12-month rolling time period *	New or Reconstructed - Rubber-to-Metal Coating	SC V.1, VI.1 through VI.10	40 CFR 63.3890(a)(4)
5. Organic HAP	12.4 lbs per gal of coating solids	12-month rolling time period *	New or Reconstructed - Extreme Performance Fluoropolymer Coating	SC V.1, VI.1 through VI.10	40 CFR 63.3890(a)(5)
6. Organic HAP	2.6 lbs per gal of coating solids	12-month rolling time period *	Existing – General Use Coating	SC V.1, VI.1 through VI.10	40 CFR 63.3890(b)(1)
7. Organic HAP	27.5 lbs per gal of coating solids	12-month rolling time period *	Existing – High Performance Coating	SC V.1, VI.1 through VI.10	40 CFR 63.3890(b)(2)
8. Organic HAP	1.0 lbs per gal of coating solids	12-month rolling time period *	Existing – Magnet Wire Coating	SC V.1, VI.1 through VI.10	40 CFR 63.3890(b)(3)
9. Organic HAP	37.7 lbs per gal of coating solids	12-month rolling time period *	Existing – Rubber-to-Metal Coating	SC V.1, VI.1 through VI.10	40 CFR 63.3890(b)(4)
10. Organic HAP	12.4 lbs per gal of coating solids	12-month rolling time period *	Existing – Extreme Performance Fluoropolymer Coating	SC V.1, VI.1 through VI.10	40 CFR 63.3890(b)(5)
* As determined at the end of each calendar month.					

11. The permittee shall determine whether the organic HAP emission rate is equal to or less than the applicable emission limits in 40 CFR 63.3890 using at least one of the following three options, which are listed in 40 CFR 63.3891(a) through (c):

- a. Compliant material option,
- b. Emission rate without add-on controls option, or
- c. Emission rate with add-on controls option.

The permittee shall include all coatings, thinners, and/or other additives, and cleaning materials used when determining the emission rate. **(40 CFR 63.3891)**

12. Any coating operation(s) using the compliant material option or the emission rate without add-on controls option, shall be in compliance with the applicable emission limits in 40 CFR 63.3890 at all times. **(40 CFR 63.3900(a)(1))**

13. Any coating operation(s) using the emission rate with add-on controls option shall be in compliance with the applicable emission limits at all times except during periods of startup, shutdown, and malfunction. **(40 CFR 63.3900(a)(2)(i))**

14. If the surface coating operation(s) meet the applicability criteria of more than one of the subcategory emission limits specified in 40 CFR 63.3890(a) or (b), the permittee may comply separately with each subcategory emission limit, or comply using one of the alternatives in 40 CFR 63.3890(c)(1) or (2). **(40 CFR 63.3890(c))**

II. MATERIAL LIMIT(S)

For the compliant materials option, the permittee shall meet the material limits specified in the following table.

Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
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Material	Limit	Time Period/ Operating Scenario	Equipment	Monitoring/ Testing Method	Underlying Applicable Requirements
1. Each Thinner and/or Additive	No Organic HAP *	Continuous	Each Coating Operation using Compliant Material Option	SC VI.1, VI.2, VI.3 & VI.5	40 CFR 63.3891(a)
2. Each Cleaning Material	No Organic HAP *	Continuous	Each Coating Operation using Compliant Material Option	SC VI.1, VI.2, VI.3 & VI.5	40 CFR 63.3891(a)

* Determined according to 40 CFR 63.3941(a).

III. PROCESS/OPERATIONAL RESTRICTION(S)

- For any coating operation(s) using the emission rate with add-on controls option, the permittee shall meet the operating limits specified in Table 1 of 40 CFR Part 63, Subpart Mmmm as identified below. The permittee must establish the operating limits during the performance test according to the requirements in 40 CFR 63.3967. **(40 CFR 63.3892(b) 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 Mmmm for additional operating requirements, add appropriate condition(s) and reference 40 CFR 63.3961(j).**

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 63.3967(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 63.3967(b) (for magnet wire coating machines, temperature can be monitored before or after the catalyst bed); 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 63.3967(b)(2); or c. Develop and implement an inspection and maintenance plan according to 40 CFR 63.3967(b)(4) or for magnet wire coating machines according to section 3.0 of Appendix A to 40 CFR Part 63, Subpart Mmmm.
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 63.3967(c); and 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 63.3967(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 63.3967(d).
Concentrators, including zeolite wheels and rotary carbon adsorbers.	a. The average gas temperature of the desorption concentrate stream in any 3-hour period must not fall below the limit established according to 40 CFR 63.3967(e); and b. The average pressure drop of the dilute stream across the concentrator in any 3-hour period must not fall below the limit established according to 40 CFR 63.3967(e).
Emission capture system that is a PTE according to 40 CFR 63.3965(a).	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 H ₂ O, as established in Method 204 of Appendix M of 40 CFR 51.
Emission capture system that is <u>not</u> a PTE according to 40	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

Add-on Control Device	Operating Limit
CFR 63.3965(a).	that capture device according to 40 CFR 63.3967(f).

2. For any coating operation(s) using the emission rate with add-on controls option, 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/or other additives, and cleaning materials used in, and waste materials generated by the controlled coating operation(s). The work practice plan shall specify practices and procedures to ensure at a minimum the following elements are implemented:
 - a. All organic HAP containing coatings, thinners and/or other additives, cleaning materials, and waste materials must be stored in closed containers. **(40 CFR 63.3893(b)(1))**
 - b. Spills of organic HAP containing coatings, thinners and/or other additives, cleaning materials, and waste materials must be minimized. **(40 CFR 63.3893(b)(2))**
 - c. Organic HAP containing coatings, thinners and/or other additives, cleaning materials, and waste materials must be conveyed from one location to another in closed containers or pipes. **(40 CFR 63.3893(b)(3))**
 - d. Mixing vessels which contain organic-HAP-containing coatings and other materials must be closed except when adding to, removing, or mixing the contents. **(40 CFR 63.3893(b)(4))**
 - e. Emissions of organic HAP must be minimized during cleaning of storage, mixing, and conveying equipment. **(40 CFR 63.3893(b)(5))**

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 63.3893(c))** **NOTE: If an alternative work practice plan is approved, include the monitoring provisions in Section VI.**

3. If the affected source uses an emission capture system and add-on control device, the permittee shall develop and implement a written startup, shutdown and malfunction plan (SSMP) according to the provisions of 40 CFR 63.6(e)(3). This SSMP must address the startup, shutdown and corrective actions in the event of a malfunction of the emission capture system or the add-on control device. 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 63.3900(c))**
4. Any coating operation(s) using the emission rate with add-on controls option shall be in compliance with the operating limits for emission capture systems and add-on control devices required by 40 CFR 63.3892 at all times except during periods of startup, shutdown, and malfunction. **(40 CFR 63.3900(a)(2)(ii))** **Note: If applicable, add the following after "malfunction": and except for solvent recovery systems for which the permittee conducts liquid-liquid material balances according to 40 CFR 63.3961(j)**
5. Any coating operation(s) using the emission rate with add-on controls option shall be in compliance with the work practice standards in 40 CFR 63.3893 at all times. **(40 CFR 63.3900(a)(2)(iii))**

IV. DESIGN/EQUIPMENT PARAMETER(S)

1. For any coating operation(s) using the emission rate with add-on controls option, the permittee shall not operate FG-MACT MMMM-MISC. METAL PARTS COATING unless the CONTROL DEVICE(S) IS/ARE installed, maintained, and operated in a satisfactory manner. **(40 CFR 63.3892(b))**

V. TESTING/SAMPLING

Records shall be maintained on file for a period of five years. **(R 336.1213(3)(b)(ii), 40 CFR 63.3931)**

1. For any coating operation(s) using the emission rate with add-on controls option, the permittee shall conduct each performance test required by 40 CFR 63.3960 according to the requirements in 40 CFR 63.7(e)(1) and under the conditions in 40 CFR 63.3964(a)(1) and (2), unless a waiver of the performance test is obtained in accordance with 40 CFR 63.7(h). **(40 CFR 63.3964(a))**
2. The permittee shall conduct each performance test of an emission capture system and add-on control device to determine capture efficiency and emission destruction or removal efficiency, according to the requirements in 40 CFR 63.3965 and 40 CFR 63.3966. **(40 CFR 63.3964(b))**

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 63.3931)**

1. The permittee shall conduct an initial compliance demonstration for the initial compliance period according to the requirements in 40 CFR 63.3941, 40 CFR 63.3951, or 40 CFR 63.3961. The initial compliance period begins on the applicable compliance date specified in 40 CFR 63.3883 and ends on the last day of the 12th month following the compliance date. If the compliance date occurs on any day other than the first of the month, then the compliance period extends through that month plus the next 12 months. **(40 CFR 63.3940, 40 CFR 63.3950, 40 CFR 63.3960)**
2. The permittee shall keep all records required by 40 CFR 63.3930 in the format and timeframes outlined in 40 CFR 63.3931. **(40 CFR 63.3942(d), 40 CFR 63.3952(d), 40 CFR 63.3963(j))**
3. The permittee shall maintain, at a minimum, the following records for each compliance period:
 - a. A copy of each notification and report that is submitted to comply with Subpart M, and the documentation supporting each notification and report. **(40 CFR 63.3930(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 and density of each coating, thinner and/or other additive, and cleaning material, and the volume fraction of coating solids for each coating. **(40 CFR 63.3930(b))**
 - c. A list of the coating operations on which each compliance option was used, and the beginning and ending dates and times for each compliance option used. **(40 CFR 63.3930(c)(1))**
 - d. For the compliant materials option, the calculation of the organic HAP content for each coating, using Equation 2 of 40 CFR 63.3941. **(40 CFR 63.3930(c)(2))**
 - e. For the emission rate without add-on controls option, the calculation of the total mass of organic HAP emissions for the coatings, thinners and/or additives, and cleaning materials used each month using Equations 1, 1A through 1C and 2 of 40 CFR 63.3951; and, if applicable, the calculation used to determine mass of organic HAP in waste materials according to 40 CFR 63.3951(e)(4); the calculation of the total volume of coating solids used each month using Equation 2 of 40 CFR 63.3951; and the calculation of each 12-month organic HAP emission rate using Equation 3 of 40 CFR 63.3951. **(40 CFR 63.3930(c)(3))**
 - f. For the emission rate with add-on controls option, the calculations specified in 40 CFR 63.3930(c)(4)(i) through (v). **(40 CFR 63.3930(c)(4))**
 - g. The name and mass or volume of each coating, thinner and/or other additive, and cleaning material used during each compliance period. If the compliant material option is used for all coatings at the affected source, the permittee may maintain purchase records for each material used rather than a record of the volume used. **(40 CFR 63.3930(d))**
 - h. The mass fraction of organic HAP for each coating, thinner and/or additive, and cleaning material used during each compliance period unless the material is tracked by weight. **(40 CFR 63.3930(e))**
 - i. The volume fraction of coating solids for each coating used during each compliance period. **(40 CFR 63.3930(f))**
 - j. For either the emission rate without add-on controls or with add-on controls option, the density of for each coating, thinner and/or other additive, and cleaning material used during each compliance period. **(40 CFR 63.3930(g))**
 - k. The information specified in 40 CFR 63.3930(h)(1) through (3), if an allowance is used in Equation 1 of 40 CFR 63.3951 for organic HAP contained in waste materials sent to or designated for shipment to a treatment, storage, and disposal facility (TSDF) according to 40 CFR 63.3951(e)(4). **(40 CFR 63.3930(h))**
 - l. The date, time, and duration of each deviation. **(40 CFR 63.3930(j))**
 - m. For the emission rate with add-on controls option, records specified in 40 CFR 63.3930(k)(1) through 40 CFR 63.3930(k)(8). **(40 CFR 63.3930(k))**

4. For any coating operation(s) using the emission rate with add-on controls option, the permittee shall demonstrate continuous compliance with the operating limits specified in Table 1 of 40 CFR Part 63, Subpart MMMM using the applicable method(s) described below: **(40 CFR 63.3963(c))**

Select the appropriate add-on control device for the source. **NOTE: Solvent recovery systems are not included in this table. Check Subpart MMMM for additional operating requirements, add appropriate condition(s) and reference 40 CFR 63.3961(j).**

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 63.3967(a).	i. Collect the combustion temperature data according to 40 CFR 63.3968(c); ii. Reduce the data to 3-hour block averages; and iii. Maintain the 3-hour average combustion temperature at or above the 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 63.3967(b); (for magnet wire coating machines, temperature can be monitored before or after the catalyst bed); 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 63.3967(b)(2); or c. Develop and implement an inspection and maintenance plan according to 40 CFR 63.3967(b)(4) or for magnet wire coating machines according to section 3.0 of Appendix A to 40 CFR Part 63, Subpart MMMM.	i. Collect the temperature data according to 40 CFR 63.3968(c); ii. Reduce the data to 3-hour block averages; and iii. Maintain the 3-hour average temperature before (or for magnet wire coating machines after) the catalyst bed at or above the temperature limit. i. Collect the temperature data according to 40 CFR 63.3968(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. i. Maintain an up-to-date inspection and 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 the monthly or annual inspection required by 40 CFR 63.3967(b)(4), or for magnet wire coating machines by section 3.0 of Appendix A to 40 CFR Part 63, Subpart MMMM, 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 63.3967(c); and	i. Measure the total regeneration desorbing gas (e.g. steam or nitrogen) mass flow for each regeneration cycle according to 40 CFR 63.3968(d); and ii. Maintain the total regeneration desorbing gas mass flow at or above the mass flow limit.

Add-on Control Device	Operating Limit	Continuous Compliance Demonstration Method
	<p>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 63.3967(c).</p>	<p>i. Measure the temperature of the carbon bed after completing each regeneration and any cooling cycle according to 40 CFR 63.3968(d); and</p> <p>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.</p>
Condenser	<p>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 63.3967(d).</p>	<p>i. Collect the condenser outlet (product side) gas temperature according to 40 CFR 63.3968(e);</p> <p>ii. Reduce the data to 3-hour block averages; and</p> <p>iii. Maintain the 3-hour average gas temperature at the outlet at or below the temperature limit.</p>
Concentrators, including zeolite wheels and rotary carbon adsorbers.	<p>a. The average gas temperature of the desorption concentrate stream in any 3-hour period must not fall below the limit established according to 40 CFR 63.3967(e); and</p> <p>b. The average pressure drop of the dilute stream across the concentrator in any 3-hour period must not fall below the limit established according to 40 CFR 63.3967(e).</p>	<p>i. Collect the temperature data according to 40 CFR 63.3968(f);</p> <p>ii. Reduce the data to 3-hour block averages; and</p> <p>iii. Maintain the 3-hour average temperature at or above the temperature limit.</p> <p>i. Collect the pressure drop data according to 40 CFR 63.3968(f);</p> <p>ii. Reduce the pressure drop data to 3-hour block averages; and</p> <p>iii. Maintain the 3-hour average pressure drop at or above the pressure drop limit.</p>
Emission capture system that is a PTE according to 40 CFR 63.3965(a).	<p>a. The direction of the air flow at all times must be into the enclosure; and either</p> <p>b. The average facial velocity of air through all natural draft openings in the enclosure must be at least 200 feet per minute; or</p> <p>c. The pressure drop across the enclosure must be at least 0.007 inch H₂O, as established in Method 204 of Appendix M of 40 CFR Part 51.</p>	<p>i. Collect the direction of air flow, and either the facial velocity of air through all natural draft openings according to 40 CFR 63.3968(g)(1) or the pressure drop across the enclosure according to 40 CFR 63.3968(g)(2); and</p> <p>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 maintain the direction of air flow into the enclosure at all times.</p>
Emission capture system that is <u>not</u> a PTE according to 40 CFR 63.3965(a).	<p>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 63.3967(f).</p>	<p>i. Collect the gas volumetric flow rate or duct static pressure for each capture device according to 40 CFR 63.3968(g);</p> <p>ii. Reduce the data to 3-hour block averages; and</p> <p>iii. Maintain 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.</p>

5. For each coating used for the compliant coating option, the permittee shall demonstrate continuous compliance with the emission limit in 40 CFR 63.3890, for each compliance period, using Equation 2 of 40 CFR 63.3941. For each thinner and cleaning material used, the permittee shall determine continuous compliance according to 40 CFR 63.3941(a). **(40 CFR 63.3942)**
6. For any coating operation or group of coating operations using the emission rate without add-on controls option, the permittee shall demonstrate continuous compliance with the applicable organic HAP emission limit in 40 CFR 63.3890, for each compliance period, according to 40 CFR 63.3951(a) through (g). **(40 CFR 63.3952)**
7. For any coating operation(s) using the emission rate with add-on controls option, the permittee shall demonstrate continuous compliance with the applicable organic HAP emission limit in 40 CFR 63.3890, for each compliance period, according to the procedures in 40 CFR 63.3961. **(40 CFR 63.3963)**
8. During the performance test required by 40 CFR 63.3960, the permittee shall perform the applicable monitoring and recordkeeping in accordance with 40 CFR 63.3967 to establish the emission capture system and add-on control device operating limits required by 40 CFR 63.3892. **(40 CFR 63.3967)**
9. For any coating operation(s) using the emission rate with add-on controls option, the permittee shall install, operate, and maintain each Continuous Parameter Monitoring System (CPMS) according to the requirements of 40 CFR 63.3968(a). If the capture system contains a bypass line, the permittee shall comply with the requirements of 40 CFR 63.3968(b). **(40 CFR 63.3968)**
10. The permittee must apply to the USEPA for approval of alternative monitoring under 40 CFR 63.8(f), if using an add-on control device other than those listed in Table 1 of 40 CFR Part 63, Subpart M, or to monitor an alternative parameter and comply with a different operating limit. **(40 CFR 63.3892(c))**

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 postmarked or received by the appropriate AQD District Office 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))**
3. Annual certification of compliance pursuant to General Conditions 19 and 20 of Part A. The report shall be postmarked or received by the appropriate AQD District Office by March 15 for the previous calendar year. **(R 336.1213(4)(c))**
4. For the compliant material option, if any coating used for any 12-month compliance period exceeds the applicable emission limit specified in 40 CFR 63.3890; or any thinner or cleaning material used contains any organic HAP, the permittee shall report this as a deviation as specified in 40 CFR 63.3910(c)(6) and 40 CFR 63.3920(a)(5). **(40 CFR 63.3942(b))**
5. For the emission rate without add-on controls, if the organic HAP emission rate for any 12-month compliance period exceeds the applicable emission limit specified in 40 CFR 63.3890, the permittee shall report this as a deviation as specified in 40 CFR 63.3910(c)(6) and 40 CFR 63.3920(a)(6). **(40 CFR 63.3952(b))**
6. For the emission rate with add-on controls option, the permittee shall report the following as deviations as specified in 40 CFR 63.3910(c)(6) and 40 CFR 63.3920(a)(7):
 - a. The organic HAP emission rate for any 12-month compliance period exceeds the applicable emission limit specified in 40 CFR 63.3890; **(40 CFR 63.3963(b))**
 - b. An operating parameter is out of the allowed range; **(40 CFR 63.3963(c)(1))**
 - c. Any control system by-pass line, for which liquid-liquid material balances are not carried out, is opened; **(40 CFR 63.3963(d))**

d. Deviations from work practice standards occur. **(40 CFR 63.3963(e))**

7. The Permittee shall submit the applicable notifications specified in 40 CFR 63.7(b) and (c), 63.8(f)(4) and 63.9(b) through (e) and (h), an initial notification and a notification of compliance status as specified in 40 CFR 63.3910. **(40 CFR Part 63, Subparts A and M MMM)**
8. The permittee shall submit all semiannual compliance reports specified in 40 CFR 63.3920(a). Each semiannual compliance report shall identify which coating operation(s) used each compliance option, and if there were no deviations from the emission limitations in 40 CFR 63.3890, include a statement that the coating operations were in compliance. **(40 CFR 63.3920, 40 CFR 63.3942(c), 40 CFR 63.3952(c), 40 CFR 63.3963(f))**
9. For any coating operation(s) using the emission rate with add-on controls option, the permittee shall submit all performance test reports for emission capture systems and add-on control devices. **(40 CFR 63.3920(b))**
10. If the emission rate with add-on controls option is used and a startup, shutdown, or malfunction occurs during the semiannual reporting period, the permittee shall submit a SSM report as specified in 40 CFR 63.3920(c). **(40 CFR 63.3920(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 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 M MMM for Surface Coating of Miscellaneous Metal Parts and Products by the initial compliance date. **(40 CFR Part 63, Subparts A and M MMM)**

Footnotes:

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

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