Mr. Pastor Lopez, General Manager
AAR Landing Gear Services
Facility ID No.: 0250640
Miami Dade County

Title V Air Operation Permit Revision
DRAFT Permit Project No.: 0250640-024-AV

This Title V Air Operation Permit Revision is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210 and 62-213. The above named permittee is hereby authorized to operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the permitting authority, in accordance with the terms and conditions of this permit.

The subject of this permit is the revision of Title V Air Operation Permit No. 0250640-021-AV to incorporate the terms and conditions of Air Construction Permit Nos. 0250640-022-AC, and 0250640-023-AC. Air construction permit No. 0250640-022-AC was issued on January 19, 2011for the following:

1. Installation of one (1) paint spray booth, two (2) electric paint drying booths, and shot peen/blasting equipment at a new wheel and brake repair location (third location) of 9270 NW 100 Street, Miami.
2. Relocation of the existing paint spray booth from 9360 NW 100 Street, Miami, to the new wheel and brake repair facility. The applicant stated that operations at this second location was closed, and the existing paint spray booth was removed and relocated to the new wheel and brake repair location at 9270 NW 100 Street, Miami.
3. Installation of an additional plastic media polishing machine and dust collector to Emissions Unit 004 – Shot Peen and Blasting Operations, at the main facility.
4. Ancillary Equipment. Other ancillary processes and equipment added at the new location and added to the list of insignificant activities as follows:
    - Magnaflux NDT
    - Hydroblast Evaporator
    - Polishing Operations

Polishing operations are currently conducted at the main facility and are listed in the current Title V Air Operation Permit under Emissions Unit 004 – Plastic Media Polishing with Dust Collector. Magnaflux NDT and Hydroblast Evaporator operations are listed as Insignificant Units and/or Activities.

Air construction permit No. 0250640-023-AC was issued on May 5, 2011 for the installation of one (1) vapor degreasing unit to replace the existing unit at 9371 NW 100 Street, Miami.

This facility consists of the following emissions units:

Emissions Unit 002 – Chromium Electroplating Operations
This emissions unit is regulated under: NESHAP - 40 CFR 63, Subpart N (National Emissions Standards for Chromium Emissions from Hard Chromium Electroplating Tanks).

Emissions Unit 003 – Painting/Cleaning Operations
Eight (8) Paint Spray Booths
Paint spray booth Nos. 1,2,3,4,5 & 7 are located at 9371 NW 100 Street, Miami. Paint spray booth Nos. 6 & 8 are located at 9270 NW 100 Street, Miami. Booth No. 5 is a mineral spirits spray booth.
This emissions unit is regulated under: NESHAP - 40 CFR 63, Subpart GG (National Emissions Standards for Aerospace Manufacturing and Rework Facilities).

Emissions Unit 004 – Shot Peen & Blasting Machine Operations
Two (2) Plastic Media Polishing Machines With Dust Collectors
One (1) Aluminum Oxide Blasting Machine With Dust Collector
One (1) Shot Peen Machine With Dust Collector

Emissions Unit 005 – Natural Gas Fired Ovens/Electric Oven/Booths
Four (4) Natural Gas Ovens
One (1) Electric Oven tied to paint spray booth #7

Two (2) Electric Drying Booths
Manufacturer: SPS Surface Preparation Solutions
Model No. IB-8108
Dimensions: 8'W x 10'H x 8'D
One (1) booth is tied to paint spray booth No. 6, and the other is tied to paint spray booth No. 8

Emissions Unit 013 – Emergency Diesel Generators
Two (2) Perkins Manufactured Diesel Generators Subject to 40 CFR 60 Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines. One (1) Caterpillar Manufactured Diesel generator subject to 40 CFR 63 Subpart ZZZZ – National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

Emissions Unit 016 – Vapor Degreasing Operations
This emissions unit is regulated under: NESHAP - 40 CFR 63, Subpart T (National Emissions Standards for Hazardous Air Pollutants for Halogenated Solvents).

Also included in this permit are miscellaneous unregulated/insignificant emissions units and/or activities.
Based on the Title V Air Operation Permit Revision application received December 6, 2011, this facility is continues to operate as a Title V major source of air pollution.

These documents are on file with the permitting authority:

Application for a Title V Air Operation Permit Revision received December 6, 2011
Specific changes were made to the previous operation permit No. 0250640-021-AV and are included in this DRAFT Title V Permit Revision as described below.

Items numbered 1 – 16 below represent the changes to the previous Title V Air Operation Permit. Underline text indicates additions. .

1. The Department's official name was recently changed from Department of Environmental Resources Management (DERM) to Permitting, Environment and Regulatory Affairs-Environmental Services (PERA). Accordingly, all references to DERM have been changed to PERA.

2. With the incorporation of air construction permit No. 0250640-023-AC, Appendices II (Table 2 to Subpart T) and III (Table 1 to Subpart T) are no longer needed and therefore removed. Appendix II now addresses 40 CFR 63 Subpart IIII, and Appendix III addresses 40 CFR 63 Subpart ZZZZ.

3. Changes in Section I, Facility Information, Subsection A, Facility Description: The facility description is updated to specify that the facility also repairs wheels as follows:

   AAR Landing Gear Services is a facility that repairs and rebuilds aircraft landing gears, wheels, and brakes. Process operations consist of a halogenated solvent cleaning operation, a hard chromium plating operation, a painting/cleaning operation, shot peen and blasting operations and various operations involved in the aerospace manufacturing and rework industry.

4. Changes in Section I, Facility Information, Subsection B, Summary of Emissions Units: Emissions Unit 001 was inactivated and vapor degreasing operations are now performed under Emissions Unit 016 as follows:

E.U. ID No.	**Brief Description**
002	Chromium Electroplating Operations
003	Painting/Cleaning Operations
004	Shot Peen & Blasting Machine Operations

005	Natural Gas Fired Ovens/Electric Oven/Booths
013	Emergency Diesel Generators
016	Vapor Degreasing operations

5. Changes in Section II, Facility-wide Conditions: Two (2) Specific Conditions that are missing from the Title V permit have been added. Specific Condition 13 addresses the annual emissions fee form and fee requirement, and Specific Condition 14 addresses the monitoring reports submittal requirement as follows:

   13. Annual Emissions Fee Form and Fee. The annual Title V emissions fees are due (postmarked) by March 1 of each year. The completed form and calculated fee shall be submitted to: Major Air Pollution Source Annual Emissions Fee, P.O. Box 3070, Tallahassee, Florida 32315-3070. The forms are available for download by accessing the Title V Annual Emissions Fee On-line information Center at the following website: http://www.dep.state.fl.us/air/emission/tvfee.htm.
   [Rule 62-213.205, F.A.C.]

   14. Monitoring Reports. The permittee shall submit reports of any required monitoring at least every six (6) months. All instances of deviations from permit requirements must be clearly identified in such reports. The said reports shall be submitted to the PERA within sixty (60) days of the end of the reporting period.
   [Rules 62-213.440(1)(b)3.a., and 62-4.070(3) F.A.C.]

6. Changes in Section III – Emissions Units Specific Conditions, Subsection A. The incorporation of air construction permit No. 0250640-023-AC required that the emissions unit description be updated as follows:

E.U. ID No.	Brief Description
016	**Vapor Degreasing Operations** One (1) Parts Cleaning Technology Model No. VSD-EW-SPL Degreasing Unit • Uses perchloroethylene • Capacity of 160 gallons with a solvent/air interface area greater than 13 ft^2 • Idling and downtime mode cover • Freeboard Ratio of 1.0 • Heat of 54 KW with vapor indicators for automatic shut off of sump heat • Freeboard refrigeration device with a primary condenser, Model No. B-10028-206

7. Changes in Section III – Emissions Units Specific Conditions, Subsection A. The incorporation of air construction permit No. 0250640-023-AC required that the specific

conditions be added, removed, modified, re-numbered and also cite permit No. 0250640-023-AC as follows. The conditions also reflect the most recent MACT changes. Specific Conditions A.3.a, A.3.b., and A.13.a do not apply to the facility.

A.0. Rule Applicability: This emissions unit shall comply with all the applicable standards contained in 40 CFR 63, Subpart T- National Emissions Standards for Hazardous Air Pollutants for Halogenated Solvent Cleaning, and 40 CFR 63 Subpart A – General Provisions.
[40 CFR 63.460, and permit No. 0250640-023-AC]

A.1. Hours of Operation. This emissions unit is allowed to operate continuously, i.e., 8,760 hours/year.
[Rule 62-210.200(PTE), F.A.C., and Permit No. 0250640-023-AC]

A.2. Visible Emissions: The permittee shall not cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the opacity of which is equal to or greater than 20%.
[Rule 62-296.320(4)(b) F.A.C., and Permit No. 0250640-023-AC]

A.3. Cleaning Machine Design Requirements: Except as provided in 40 CFR 63.464 for all cleaning machines , each owner or operator of a solvent cleaning machine subject to the provisions of 40 CFR 63 Subpart T shall ensure that each existing or new batch vapor or in-line solvent cleaning machine subject to the provisions of 40 CFR 63 Subpart T conforms to the design requirements specified in 40 CFR 63.463(a)(1) through (a)(7) below.

(1) Each cleaning machine shall be designed or operated to meet the control equipment or technique requirements listed in 40 CFR 63.463(a)(1)(i) or (a)(1)(ii) below.
   (i) An idling and downtime mode cover, as described in 40 CFR 63.463(d)(1)(i) that may be readily opened or closed, that completely covers the cleaning machine openings when in place, and is free of cracks, holes, and other defects.
   (ii) A reduced room draft as described in 40 CFR 63.463(e)(2)(ii).
(2) Each cleaning machine shall have a freeboard ratio of 0.75 or greater.
(3) Each cleaning machine shall have an automated parts handling system capable of moving parts or parts baskets at a speed of 3.4 meters per minute (11 feet per minute) or less from the initial loading of parts through removal of cleaned parts.
(4) Each vapor-cleaning machine shall be equipped with a device that shuts off the sump heat if the sump liquid solvent level drops to the sump heater coils. This requirement does not apply to a vapor-cleaning machine that uses steam to heat the solvent.
(5) Each vapor-cleaning machine shall be equipped with a vapor level control device that shuts off sump heat if the vapor level in the vapor-cleaning machine rises above the height of the primary condenser.
(6) Each vapor-cleaning machine shall have a primary condenser.

(7) Each cleaning machine that uses a lip exhaust shall be designed and operated to route all collected solvent vapors through a properly operated and maintained carbon adsorber that meets the requirements of 40 CFR 63.463(e)(2)(vii).

[40 CFR 63.463(a), and permit No. 0250640-023-AC]

A.4. Control Technology Requirement: Each owner or operator of a batch vapor cleaning machine with a solvent/air interface area greater than 1.21 square meters (13 square feet) shall comply with the requirements specified in either 40 CFR 63.463(b)(2)(i) or (b)(2)(ii) below.

(i) Employ one of the control combinations listed in table 2 of 40 CFR 63 Subpart T or other equivalent methods of control as determined using the procedure in 40 CFR 63.469, equivalent methods of control.

Table 2—Control Combinations for Batch Vapor Solvent Cleaning Machines with a Solvent/Air Interface Area Greater than 1.21 Square Meters (13 Square Feet)

Option	Control combinations
1	Freeboard refrigeration device, freeboard ratio of 1.0, superheated vapor.
2	Dwell, freeboard refrigeration device, reduced room draft.
3	Working-mode cover, freeboard refrigeration device, superheated vapor.
4	Freeboard ratio of 1.0, reduced room draft, superheated vapor.
5	Freeboard refrigeration device, reduced room draft, superheated vapor.
6	Freeboard refrigeration device, reduced room draft, freeboard ratio of 1.0.
7	Freeboard refrigeration device, superheated vapor, carbon adsorber.

Note: Unlike most of the control techniques available for complying with this rule, carbon adsorbers are not considered to be a pollution prevention measure. Use of such units may impose additional cost and burden for a number of reasons. First, carbon adsorption units are generally more expensive than other controls listed in the options. Second, these units may present cross-media impacts such as effluent discharges if not properly operated and maintained, and spent carbon beds have to be disposed of as hazardous waste. When making decisions about what controls to install on halogenated solvent cleaning machines to meet the requirements of this rule, all of these factors should be weighed and pollution prevention measures are encouraged wherever possible.

(ii) Demonstrate that their solvent cleaning machine can achieve and maintain an idling emission limit of 0.22 kilograms per hour per square meter (0.045 pounds per hour per square foot) of solvent/air interface area as determined using the procedures in 40 CFR 63.465(a) and 40 CFR 63 Appendix A.

[40 CFR 63.463(b)(2), and Permit No. 0250640-023-AC]

A.5. Work and Operational Practices Requirements: Each owner or operator of an existing or new batch vapor or in-line solvent cleaning machine shall meet all of the following required work and operational practices specified in 40 CFR 63.463(d)(1) through (d)(12) below, as applicable.

(1) Control air disturbances across the cleaning machine opening(s) by incorporating the control equipment or techniques listed in 40 CFR 63.463(d)(1)(i) and (1)(ii) below.

(i) Cover(s) to each solvent cleaning machine shall be in place during the idling mode, and during the downtime mode unless either the solvent has been removed from the machine or maintenance or monitoring is being performed that requires the cover(s) to not be in place.

(ii) A reduced room draft as described in 40 CFR 63.463(e)(2)(ii).

(2) The parts baskets or the parts being cleaned in an open-top batch vapor cleaning machine shall not occupy more than 50 percent of the solvent/air interface area unless the parts baskets or parts are introduced at a speed of 0.9 meters per minute (3 feet per minute) or less.

(3) Any spraying operations shall be done within the vapor zone or within a section of the solvent cleaning machine that is not directly exposed to the ambient air (i.e., a baffled or enclosed area of the solvent cleaning machine).

(4) Parts shall be oriented so that the solvent drains from them freely. Parts having cavities or blind holes shall be tipped or rotated before being removed from any solvent cleaning machine unless an equally effective approach has been approved by the Administrator.

(5) Parts baskets or parts shall not be removed from any solvent cleaning machine until dripping has stopped.

(6) During startup of each vapor-cleaning machine, the primary condenser shall be turned on before the sump heater.

(7) During shutdown of each vapor-cleaning machine, the sump heater shall be turned off and the solvent vapor layer allowed to collapse before the primary condenser is turned off.

(8) When solvent is added or drained from any solvent cleaning machine, the solvent shall be transferred using threaded or other leak proof couplings and the end of the pipe in the solvent sump shall be located beneath the liquid solvent surface.

(9) Each solvent cleaning machine and associated controls shall be maintained as recommended by the manufacturers of the equipment or using alternative maintenance practices that have been demonstrated to the DERM's satisfaction to achieve the same or better results as those recommended by the manufacturer.

(10) Each operator of a solvent cleaning machine shall complete and pass the applicable sections of the test of solvent cleaning procedures in Appendix A to 40 CFR 63.463 if requested during an inspection by the DERM.

(11) Waste solvent, still bottoms, and sump bottoms shall be collected and stored in closed containers. The closed containers may contain a device that would allow pressure relief, but would not allow liquid solvent to drain from the container.

(12) Sponges, fabric, wood, and paper products shall not be cleaned.
[40 CFR 63.463(d), and Permit No. 0250640-023-AC]

A.6. Control Technology Specifications: Each owner or operator of a solvent cleaning machine complying with 40 CFR 63.463(b), shall comply with the requirements specified in 40 CFR 63.463(e)(1)&(e)(2)(i) through (e)(2)(vi) below.

(1) Conduct monitoring of each control device used to comply with 40 CFR 63.463 as provided in 40 CFR 63.466.

(2) Determine during each monitoring period whether each control device used to comply with these standards meets the requirements specified in 40 CFR 63.463(e)(2)(i) through (e)(2)(vi) below:

(i) If a freeboard refrigeration device is used to comply with these standards, the owner or operator shall ensure that the chilled air blanket temperature (in °F or °C), measured at the center of the air blanket, is no greater than 30 percent of the solvent's boiling point.

(ii) If a reduced room draft is used to comply with these standards, the owner or operator shall comply with the requirements specified in 40 CFR 63.463(2)(ii)(A) & (ii)(B) below.

(A) Ensure that the flow or movement of air across the top of the freeboard area of the solvent cleaning machine or within the solvent cleaning machine enclosure does not exceed 15.2 meters per minute (50 feet per minute) at any time as measured using the procedures in 40 CFR 63.466(d).

(B) Establish and maintain the operating conditions under which the wind speed was demonstrated to be 15.2 meters per minute (50 feet per minute) or less as described in 40 CFR 63.466(d).

(iii) If a working-mode cover is used to comply with these standards, the owner or operator shall comply with the requirements specified in 40 CFR 63.463(e)(2)(iii)(A) & (iii)(B) below.

(A) Ensure that the cover opens only for part entrance and removal and completely covers the cleaning machine openings when closed.

(B) Ensure that the working-mode cover is maintained free of cracks, holes, and other defects.

(iv) If an idling-mode cover is used to comply with these standards, the owner or operator shall comply with the requirements specified in 40 CFR 63.463(e)(2)(iv)(A) & (iv)(B) below.

(A) Ensure that the cover is in place whenever parts are not in the solvent cleaning machine and completely covers the cleaning machine openings when in place.

(B) Ensure that the idling-mode cover is maintained free of cracks, holes, and other defects.

(v) If a dwell is used to comply with these standards, the owner or operator shall comply with the requirements specified in 40 CFR 63.463(e)(2)(v)(A) & (v)(B) below.

(A) Determine the appropriate dwell time for each type of part or parts basket, or determine the maximum dwell time using the most complex part type or parts basket, as described in 40 CFR 63.465(d).

(B) Ensure that, after cleaning, each part is held in the solvent cleaning machine freeboard area above the vapor zone for the dwell time determined for that particular part or parts basket, or for the maximum dwell time determined using the most complex part type or parts basket.

(vi) If a superheated vapor system is used to comply with these standards, the owner or operator shall comply with the requirements specified in 40 CFR 63.463(e)(2)(vi)(A) through (vi)(C) below.

(A) Ensure that the temperature of the solvent vapor at the center of the superheated vapor zone is at least 10 °F above the solvent's boiling point.

(B) Ensure that the manufacturer's specifications for determining the minimum proper dwell time within the superheated vapor system is followed.

(C) Ensure that parts remain within the superheated vapor for at least the minimum proper dwell time.

[40 CFR 63.463(e)(1)&(e)(2)(i) through (e)(2)(vi), and Permit No. 0250640-023-AC]

A.7. Control Technology Exceedance: If any of the requirements of 40 CFR 63.463(e)(2) are not met, determine whether an exceedance has occurred using the criteria in 40 CFR 63.463(e)(3)(i) & (3)(ii) below:

(i) An exceedance has occurred if the requirements of 40 CFR 63.463(e)(2)(ii)(B), (e)(2)(iii)(A), (e)(2)(iv)(A), (e)(2)(v), (e)(2)(vi)(B), (e)(2)(vi)(C), have not been met.

(ii) An exceedance has occurred if the requirements of 40 CFR 63.463(e)(2)(i), (e)(2)(ii)(A), (e)(2)(iii)(B), (e)(2)(iv)(B), or (e)(2)(vi)(A) have not been met and are not corrected within 15 days of detection. Adjustments or repairs shall be made to the solvent cleaning system or control device to reestablish required levels. The parameter must be remeasured immediately upon adjustment or repair and demonstrated to be within required limits.

[40 CFR 63.463(e)(3), and Permit No. 0250640-023-AC]**A.8.** Report Exceedances: The owner or operator shall report all exceedances and all corrections and adjustments made to avoid an exceedance as specified in 40 CFR 63.468(h).

[40 CFR 63.463(e)(4), and Permit No. 0250640-023-AC]**A.9.** Initial Performance Test and Periodic Monitoring: (f) Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the idling emission limit standards in 40 CFR 63.463(b)(2)(ii) shall comply with the requirements specified in 40 CFR 63.463(f)(1) through (f)(5) below.

(1) Conduct an initial performance test to comply with the requirements specified in 40 CFR 63.463(f)(1)(i) and (f)(1)(ii) below.

(i) Demonstrate compliance with the applicable idling emission limit.

(ii) Establish parameters that will be monitored to demonstrate compliance. If a control device is used that is listed in 40 CFR 63.463(e)(2), then the requirements for that control device as listed in 40 CFR 63.463(e)(2) shall be used unless the owner or operator can demonstrate to the Administrator's satisfaction that an alternative strategy is equally effective.

(2) Conduct the periodic monitoring of the parameters used to demonstrate compliance as described in 40 CFR 63.466(f).
(3) Operate the solvent cleaning machine within parameters identified in the initial performance test.
(4) If any of the requirements above are not met, determine whether an exceedance has occurred using the criteria specified in 40 CFR 63.463(f)(4)(i) and (4)(ii) below.
  (i) If using a control listed in 40 CFR 63.463(e), the owner or operator shall comply with the appropriate parameter values in 40 CFR 63.463(e)(2) and the exceedance delineations in 40 CFR 63.463(e)(3)(i) and (e)(3)(ii).
  (ii) If using a control not listed in 40 CFR 63.463(e), the owner or operator shall indicate whether the exceedance of the parameters that are monitored to determine the proper functioning of this control would be classified as an immediate exceedance or whether a 15 day repair period would be allowed. This information must be submitted to the DERM for approval.
(5) The owner or operator shall report all exceedances and all corrections and adjustments made to avoid an exceedance as specified in 40 CFR 63.468(h).
[40 CFR 63.463(f), and Permit No. 0250640-023-AC]

A.10. Alternative Standards:
As an alternative to meeting the requirements in 40 CFR 63.463, each owner or operator of a batch vapor or in-line solvent cleaning machine can elect to comply with the requirements of 40 CFR 63.464. An owner or operator of a solvent cleaning machine who elects to comply with 40 CFR 63.464 shall comply with the requirements specified in 40 CFR 63.464(a)(1) below.
(1) If the cleaning machine has a solvent/air interface, as defined in 40 CFR 63.461, the owner or operator shall comply with the requirements specified in 40 CFR 63.464(a)(1)(i) and (a)(1)(ii) below.
  (i) Maintain a log of solvent additions and deletions for each solvent cleaning machine.
  (ii) Ensure that the emissions from each solvent cleaning machine are equal to or less than the applicable emission limit presented in Table 5 of 40 CFR 63 Subpart T as determined using the procedures in 40 CFR 63.465(b) and (c).

Table 5—Emission Limits for Batch Vapor and In-Line Solvent Cleaning Machine With a Solvent/Air Interface

Solvent cleaning machine	3-month rolling average monthly emission limit (kilograms/square meters/month)
Batch vapor solvent cleaning machines	150
Existing in-line solvent cleaning machines	153
New in-line solvent cleaning machines	99

(2) Reserved.

(b) Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with 40 CFR 63.464(a) shall demonstrate compliance with the applicable 3-month rolling average monthly emission limit on a monthly basis as described in 40 CFR 63.465(b) and (c).

(c) If the applicable 3-month rolling average emission limit is not met, an exceedance has occurred. All exceedances shall be reported as required in 40 CFR 63.468(h).

(d) Reserved.

[40 CFR 63.464, and Permit No. 0250640-023-AC]

A.11. Idling Emissions Rate Determination: Except as provided in 40 CFR 63.465(f) and (g) for continuous web cleaning machines, each owner or operator of a batch vapor or in-line solvent cleaning machine complying with an idling emission limit standard in 40 CFR 63.463(b)(2)(ii) shall determine the idling emission rate of the solvent cleaning machine using Reference Method 307 in Appendix A of 40 CFR 63.

[40 CFR 63.465(a), and Permit No. 0250640-023-AC]

A.12. Monthly Checks for Clean Liquid Solvent: Except as provided in 40 CFR 63.465(g) for continuous web cleaning machines, each owner or operator of a batch vapor or in-line solvent cleaning machine complying with 40 CFR 63.464 shall, on the first operating day of every month ensure that the solvent cleaning machine system contains only clean liquid solvent. This includes, but is not limited to, fresh unused solvent, recycled solvent, and used solvent that has been cleaned of soils. A fill line must be indicated during the first month the measurements are made. The solvent level within the machine must be returned to the same fill-line each month, immediately prior to calculating monthly emissions as specified in 40 CFR 63.465(c). The solvent cleaning machine does not have to be emptied and filled with fresh unused solvent prior to the calculations.

[40 CFR 63.465(b), and Permit No. 0250640-023-AC]

A.13. Determine Solvent Emissions:

Except as provided in 40 CFR 63.465(f) and (g) for continuous web cleaning machines, each owner or operator of a batch vapor or in-line solvent cleaning machine complying with 40 CFR 63.464 shall, on the first operating day of the month, comply with the requirements specified in 40 CFR 63.465(c)(1) through (c)(3) below.

(1) Using the records of all solvent additions and deletions for the previous monthly reporting period required under 40 CFR 63.464(a), determine solvent emissions (Ei) using equation 2 for cleaning machines with a solvent/air interface and equation 3 for cleaning machines without a solvent/air interface:

$$E_i = \frac{SA_i - LSR_i - SSR_i}{AREA_i} \qquad (2) \qquad E_n = SA_i - LSR_i - SSR_i \qquad (3)$$

where:

E_i = the total halogenated HAP solvent emissions from the solvent cleaning machine during the most recent monthly reporting period i, (kilograms of solvent per square meter of solvent/air interface area per month).

E_n = the total halogenated HAP solvent emissions from the solvent cleaning machine during the most recent monthly reporting period i, (kilograms of solvent per month).

SA_i = the total amount of halogenated HAP liquid solvent added to the solvent cleaning machine during the most recent monthly reporting period i, (kilograms of solvent per month).

LSR_i = the total amount of halogenated HAP liquid solvent removed from the solvent cleaning machine during the most recent monthly reporting period i, (kilograms of solvent per month).

SSR_i = the total amount of halogenated HAP solvent removed from the solvent cleaning machine in solid waste, obtained as described in 40 CFR 63.465(c)(2), during the most recent monthly reporting period i, (kilograms of solvent per month).

$AREA_i$ = the solvent/air interface area of the solvent cleaning machine (square meters).

(2) Determine SSR_iusing the method specified in 40 CFR 63.465(c)(2)(i) or (2)(ii) below.

(i) From tests conducted using EPA reference method 25d.

(ii) By engineering calculations included in the compliance report.

(3) Determine the monthly rolling average, EA, for the 3-month period ending with the most recent reporting period using equation 4 for cleaning machines with a solvent/air interface or equation 5 for cleaning machines without a solvent/air interface:

$$EA_i = \frac{\sum_{j=1}^{3} E_i}{3} \qquad (4) \qquad EA_n = \frac{\sum_{j=1}^{3} E_n}{3} \qquad (5)$$

Where:

EA_i = the average halogenated HAP solvent emissions over the preceding 3 monthly reporting periods, (kilograms of solvent per square meter of solvent/air interface area per month).

EA_n = the average halogenated HAP solvent emissions over the preceding 3 monthly reporting periods (kilograms of solvent per month).

E_i = halogenated HAP solvent emissions for each month (j) for the most recent 3 monthly reporting periods (kilograms of solvent per square meter of solvent/air interface area).

E_n = halogenated HAP solvent emissions for each month (j) for the most recent 3 monthly reporting periods (kilograms of solvent per month).

j = 1 = the most recent monthly reporting period.

j = 2 = the monthly reporting period immediately prior to j=1.

j = 3 = the monthly reporting period immediately prior to j=2.

[40 CFR 63.465(c), and Permit No. 0250640-023-AC]

A.14. Determine Dwell Time:

Each owner or operator of a batch vapor or in-line solvent cleaning machine using a dwell to comply with 40 CFR 63.463 shall determine the appropriate dwell time for each part or parts basket using the procedure specified in 40 CFR 63.465(d)(1) and (d)(2) below.

(1) Determine the amount of time for the part or parts basket to cease dripping once placed in the vapor zone. The part or parts basket used for this determination must be at room temperature before being placed in the vapor zone.

(2) The proper dwell time for parts to remain in the freeboard area above the vapor zone is no less than 35 percent of the time determined in 40 CFR 63.465(d)(1).

[40 CFR 63.465(d), and Permit No. 0250640-023-AC]

A.15. Potential To Emit From Solvent Cleaning Operations: An owner or operator of a source shall determine their potential to emit from all solvent cleaning operations, using the procedures described in 40 CFR 63.465(e)(1) through (e)(3) below. A facility's total potential to emit is the sum of the HAP emissions from all solvent cleaning operations, plus all HAP emissions from other sources within the facility.

(1) Determine the potential to emit for each individual solvent cleaning using equation 6.

(6)

$$PTE_i = H_i \times W_i \times SAI_i$$

Where:

PTE_i = the potential to emit for solvent cleaning machine i (kilograms of solvent per year).

H_i = hours of operation for solvent cleaning machine i (hours per year).

= 8760 hours per year, unless otherwise restricted by a Federally enforceable requirement.

W_i = the working mode uncontrolled emission rate (kilograms per square meter per hour).

= 1.95 kilograms per square meter per hour for batch vapor and cold cleaning machines.

= 1.12 kilograms per square meter per hour for in-line cleaning machines.

SAI_i = solvent/air interface area of solvent cleaning machine i (square meters). 40 CFR 63.461 of Subpart T defines the solvent/air interface area for those machines that have a solvent/air interface.

(2) Reserved.

(3) Sum the PTE_i for all solvent cleaning operations to obtain the total potential to emit for solvent cleaning operations at the facility.

[40 CFR 63.465(e), and Permit No. 0250640-023-AC]

A.16. Control Device Monitoring: Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the equipment standards in 40 CFR 63.463(b)(2)(i), shall conduct monitoring and record the results on a weekly basis for the control devices, as appropriate, specified in 40 CFR 63.466(a)(1) and (a)(2) below.

(1) If a freeboard refrigeration device is used to comply with these standards, the owner or operator shall use a thermometer or thermocouple to measure the temperature at the center of the air blanket during the idling mode.

(2) If a superheated vapor system is used to comply with these standards, the owner or operator shall use a thermometer or thermocouple to measure the temperature at the center of the superheated solvent vapor zone while the solvent cleaning machine is in the idling mode.

[40 CFR 63.466(a)(1) & (a)(2), and Permit No. 0250640-023-AC]

A.17. Control Device Monitoring: Except as provided in 40 CFR 63.466(g), each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the equipment standards of 40 CFR 63.463 (b)(2)(i) shall conduct monitoring and record the results on a monthly basis for the control devices, as appropriate, specified in 40 CFR 63.466(b)(1) and (b)(2) below.

(1) If a cover (working-mode, downtime-mode, and/or idling-mode cover) is used to comply with these standards, the owner or operator shall conduct a visual inspection to determine if the cover is opening and closing properly, completely covers the cleaning machine openings when closed, and is free of cracks, holes, and other defects.

(2) If a dwell is used, the owner or operator shall determine the actual dwell time by measuring the period of time that parts are held within the freeboard area of the solvent cleaning machine after cleaning.

[40 CFR 63.466(b), and Permit No. 0250640-023-AC]

A.18. Hoist Speed Monitoring: Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the equipment or idling standards in 40 CFR 63.463 shall monitor the hoist speed as described in 40 CFR 63.466(c)(1) through (c)(4) below.

(1) The owner or operator shall determine the hoist speed by measuring the time it takes for the hoist to travel a measured distance. The speed is equal to the distance in meters divided by the time in minutes (meters per minute).

(2) The monitoring shall be conducted monthly. If after the first year, no exceedances of the hoist speed are measured, the owner or operator may begin monitoring the hoist speed quarterly.

(3) If an exceedance of the hoist speed occurs during quarterly monitoring, the monitoring frequency returns to monthly until another year of compliance without an exceedance is demonstrated.

(4) If an owner or operator can demonstrate to the DERM's satisfaction in the initial compliance report that the hoist cannot exceed a speed of 3.4 meters per minute (11 feet per minute), the required monitoring frequency is quarterly, including during the first year of compliance.

[40 CFR 63.466(c), and Permit No. 0250640-023-AC]

A.19. Equipment Standards Monitoring: Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the equipment standards in 40 CFR 63.463 (b)(2)(i), using a reduced room draft shall conduct monitoring and record the results as specified in 40 CFR 63.466(d)(1) or (d)(2) below:

(1) If the reduced room draft is maintained by controlling room parameters (i.e., redirecting fans, closing doors and windows, etc.), the owner or operator shall conduct an initial monitoring test of the wind speed and of room parameters, quarterly monitoring of wind speed, and weekly monitoring of room parameters as specified in 40 CFR 63.466(d)(1)(i) and (1)(ii) below.

(i) Measure the wind speed within 6 inches above the top of the freeboard area of the solvent cleaning machine using the procedure specified in 40 CFR 63.466(d)(1)(i)(A) through (i)(D) below.

(A) Determine the direction of the wind current by slowly rotating a velometer or similar device until the maximum speed is located.

(B) Orient a velometer in the direction of the wind current at each of the four corners of the machine.
(C) Record the reading for each corner.
(D) Average the values obtained at each corner and record the average wind speed.

(ii) Monitor on a weekly basis the room parameters established during the initial compliance test that are used to achieve the reduced room draft.

(2) If an enclosure (full or partial) is used to achieve a reduced room draft, the owner or operator shall conduct an initial monitoring test and, thereafter, monthly monitoring tests of the wind speed within the enclosure using the procedure specified in 40 CFR 63.466(d)(2)(i) and (2)(ii) below and a monthly visual inspection of the enclosure to determine if it is free of cracks, holes and other defects.

(i) Determine the direction of the wind current in the enclosure by slowly rotating a velometer inside the entrance to the enclosure until the maximum speed is located.

(ii) Record the maximum wind speed.

[40 CFR 63.466(d), and Permit No. 0250640-023-AC]

A.20. Monitoring Frequency: Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the idling emission limit standards of 40 CFR 63.463(b)(2)(ii) shall comply with the requirements specified in 40 CFR 63.466(f)(1) and (f)(2) below.

(1) If using controls listed in 40 CFR 63.466(a) through (e), the owner or operator shall comply with the monitoring frequency requirements in 40 CFR 63.466(a) through (e).

(2) If using controls not listed in 63.466(a) through (e), the owner or operator shall establish the monitoring frequency for each control and submit it to the Administrator for approval in the initial test report.

[40 CFR 63.466(f), and Permit No. 0250640-023-AC]

A.21. Alternative Monitoring Procedures: Each owner or operator using a control device listed in 63.466(a) through (e) can use alternative monitoring procedures approved by the Administrator.

[40 CFR 63.466(g), and Permit No. 0250640-023-AC]

A.22. Control Technology Exceedance Report: Each owner or operator of a batch vapor or in-line solvent cleaning machine shall submit an exceedance report to the DERM semiannually except when, the DERM determines on a case-by-case basis that more frequent reporting is necessary to accurately assess the compliance status of the source or, an exceedance occurs. Once an exceedance has occurred the owner or operator shall follow a quarterly reporting format until a request to reduce reporting frequency under 40 CFR 63.468(i) is approved. Exceedance reports shall be delivered or postmarked by the 30th day following the end of each calendar half or quarter, as appropriate. The exceedance report shall include the applicable information in 40 CFR 63.468(h)(1) through (h)(3) below.

(1) Information on the actions taken to comply with 40 CFR 63.463 (e) and (f). This information shall include records of written or verbal orders for replacement

parts, a description of the repairs made, and additional monitoring conducted to demonstrate that monitored parameters have returned to accepted levels.

(2) If an exceedance has occurred, the reason for the exceedance and a description of the actions taken.

(3) If no exceedances of a parameter have occurred, or a piece of equipment has not been inoperative, out of control, repaired, or adjusted, such information shall be stated in the report.

(i) An owner or operator who is required to submit an exceedance report on a quarterly (or more frequent) basis may reduce the frequency of reporting to semiannual if the conditions listed in 40 CFR 63.468 (i) through (i)(3) below are met.

(1) The source has demonstrated a full year of compliance without an exceedance.

(2) The owner or operator continues to comply with all relevant recordkeeping and monitoring requirements specified in 40 CFR 63 Subpart A (General Provisions) and in 40 CFR 63 Subpart T.

(3) The DERM does not object to a reduced frequency of reporting for the affected source as provided in (e)(3)(iii) of 40 CFR 63 Subpart A (General Provisions).

[40 CFR 63.468(h) & (i), and Permit No. 0250640-023-AC]

A.23. Assorted Recordkeeping: Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the provisions of 40 CFR 63.463 shall maintain records in written or electronic form specified in 40 CFR 63.467(a)(1) through (a)(7) below, for the lifetime of the machine.

(1) Owner's manuals, or if not available, written maintenance and operating procedures, for the solvent cleaning machine and control equipment.

(2) The date of installation for the solvent cleaning machine and all of its control devices. If the exact date for installation is not known, a letter certifying that the cleaning machine and its control devices were installed prior to, or on, November 29, 1993, or after November 29, 1993, may be substituted.

(3) If a dwell is used to comply with these standards, records of the tests required in 40 CFR 63.465(d) to determine an appropriate dwell time for each part or parts basket.

(4) Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the idling emission limit standards of 40 CFR 63.463(b)(2)(ii) shall maintain records of the initial performance test, including the idling emission rate and values of the monitoring parameters measured during the test.

(5) Records of the halogenated HAP solvent content for each solvent used in a solvent cleaning machine subject to the provisions of 40 CFR 63 Subpart T.

(6) Reserved.

(7) Reserved.

(b) Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with 40 CFR 63.463 shall maintain records specified in 40 CFR

63.467(b)(1) through (b)(4) below, either in electronic or written form for a period of 5 years.

(1) The results of control device monitoring required under 40 CFR 63.466.
(2) Information on the actions taken to comply with 40 CFR 63.463(e) and (f). This information shall include records of written or verbal orders for replacement parts, a description of the repairs made, and additional monitoring conducted to demonstrate that monitored parameters have returned to accepted levels.
(3) Estimates of annual solvent consumption for each solvent cleaning machine.
(4) Reserved.

[40 CFR 63.467(a) & (b), and Permit No. 0250640-023-AC]

A.24. Assorted Recordkeeping: Except as provided in 40 CFR 63.467(e) for continuous web cleaning machines, each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the provisions of 40 CFR 63.464 shall maintain records specified in 40 CFR 63.467(c)(1) through (c)(3) below either in electronic or written form for a period of 5 years.

(1) The dates and amounts of solvent that are added to the solvent cleaning machine.
(2) The solvent composition of wastes removed from cleaning machines as determined using the procedure described in 40 CFR 63.465(c)(2).
(3) Calculation sheets showing how monthly emissions and the rolling 3-month average emissions from the solvent cleaning machine were determined, and the results of all calculations.

[40 CFR 63.467(c), and Permit No. 0250640-023-AC]

A.25. Initial Notification Report Required:

Each owner or operator of a new solvent cleaning machine subject to the provisions of 40 CFR 63 Subpart T shall submit an initial notification report to the DERM. New sources for which the construction or reconstruction commenced after December 2, 1994, shall submit this report as soon as practicable before the construction or reconstruction is planned to commence. This report shall include all of the information required in 63.5(d)(1) of 40 CFR 63 Subpart A (General Provisions), with the revisions and additions specified in 40 CFR 63.468(b)(1) through (b)(3) below.

(1) The report shall include a brief description of each solvent cleaning machine including machine type (batch vapor, batch cold, vapor in-line, or cold-line), solvent/air interface area, and existing controls.
(2) The report shall include the anticipated compliance approach for each solvent cleaning machine.
(3) In lieu of 40 CFR 63.5(d)(1)(ii)(H) of 40 CFR 63 Subpart A, the owner or operator must report an estimate of annual halogenated HAP solvent consumption for each solvent cleaning machine.

[40 CFR 63.468(b), and Permit No. 0250640-023-AC]

A.26. Initial Statement of Compliance:

Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the provisions of 40 CFR 63.463 shall submit to the DERM an initial statement of compliance for each solvent cleaning machine. For new sources, this report shall be submitted to the DERM no later than 150 days after startup. This statement shall include the requirements specified in 40 CFR 63.468(d)(1) through (d)(7) below.

(1) The name and address of the owner or operator.
(2) The address (i.e., physical location) of the solvent cleaning machine(s).
(3) A list of the control equipment used to achieve compliance for each solvent cleaning machine.
(4) For each piece of control equipment required to be monitored, a list of the parameters that are monitored and the values of these parameters measured on or during the first month after the compliance date.
(5) Conditions to maintain the wind speed requirements of 40 CFR 63.463(e)(2)(ii), if applicable.
(6) Each owner or operator of a solvent cleaning machine complying with the idling emission limit standards of 40 CFR 63.463(b)(2)(ii) shall submit a test report for tests of idling emissions meeting the specifications in Method 307 of appendix A to 40 CFR 63 Subpart T. This report shall comply with the requirements specified in 40 CFR 63.468(d)(6)(i) through (6)(iv) below.
    (i) This test must be on the same specific model cleaner used at the source. The test can be done by the owner or operator of the affected machine or can be supplied by the vendor of that solvent cleaning machine or a third party.
    (ii) This report must clearly state the monitoring parameters, monitoring frequency and the delineation of exceedances for each parameter.
    (iii) If a solvent cleaning machine vendor or third party test report is used to demonstrate compliance, it shall include the following for the solvent cleaning machine tested: Name of person(s) or company that performed the test, model name, the date the solvent cleaning machine was tested, serial number, and a diagram of the solvent cleaning machine tested.
    (iv) If a solvent cleaning machine vendor or third party test report is used, the owner or operator of the solvent cleaning machine shall comply with the requirements specified in either 40 CFR 63.468(d)(6)(iv)(A) and (iv)(B) below.
        (A) Submit a statement by the solvent cleaning machine vendor that the unit tested is the same as the unit the report is being submitted for.
        (B) Demonstrate to the DERM's satisfaction that the solvent emissions from the solvent cleaning machine for which the test report is being submitted are equal to or less than the solvent emissions from the solvent cleaning machine in the vendor test report.
(7) Reserved.

[40 CFR 63.468(d), and Permit No. 0250640-023-AC]

A.27. Initial Statement of Compliance for Alternative Standard:

Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the provisions of 40 CFR 63.464 shall submit to the DERM an initial statement of compliance for each solvent cleaning machine. For new sources, this report shall be submitted to the DERM no later than 150 days after startup. The statement shall include the information specified in 40 CFR 63.468(e)(1) through (e)(4) below.

(1) The name and address of the solvent cleaning machine owner or operator.
(2) The address of the solvent cleaning machine(s).

(3) The solvent/air interface area for each solvent cleaning machine or, for cleaning machines without a solvent/air interface, a description of the method used to determine the cleaning capacity and the results.
(4) The results of the first 3-month average emissions calculation.
[40 CFR 63.468(e), and Permit No. 0250640-023-AC]

A.28. Annual Report: Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the provisions of 40 CFR 63.463 shall submit an annual report by February 1 of the year following the one for which the reporting is being made. This report shall include the requirements specified in 40 CFR 63.468(f)(1) through (f)(3) below.

(1) A signed statement from the facility owner or his designee stating that, "All operators of solvent cleaning machines have received training on the proper operation of solvent cleaning machines and their control devices sufficient to pass the test required in 40 CFR 63.463(d)(10)."
(2) An estimate of solvent consumption for each solvent cleaning machine during the reporting period.
(3) The reports required under 40 CFR 63.468(f) and (g) can be combined into a single report for each facility.

[40 CFR 63.468(f), and Permit No. 0250640-023-AC]

A.29. Solvent Emissions Report:
Each owner or operator of a batch vapor or in-line solvent cleaning machine complying with the provisions of 40 CFR 63.464 shall submit a solvent emission report every year. This solvent emission report shall contain the requirements specified in 40 CFR 63.468(g)(1) through (g)(4) below.

(1) The size and type of each unit subject to 40 CFR 63 Subpart T (solvent/air interface area or cleaning capacity).
(2) The average monthly solvent consumption for the solvent cleaning machine in kilograms per month.
(3) The 3-month monthly rolling average solvent emission estimates calculated each month using the method as described in 40 CFR 63.465(c).
(4) The reports required under 40 CFR 63.468(f) and (g) can be combined into a single report for each facility.

[40 CFR 63.468(g), and Permit No. 0250640-023-AC]

A.30. Equivalency Determination: Each owner or operator of a solvent cleaning machine requesting an equivalency determination, as described in 40 CFR 63.469 shall submit an equivalency request report to the DERM. For new sources, this report must be submitted and approved by the DERM prior to startup.
[40 CFR 63.468(k), and Permit No. 0250640-023-AC]

A.31. Equivalent Methods of Control: Upon written application, the DERM may approve the use of equipment or procedures after they have been satisfactorily demonstrated to be equivalent, in terms of reducing emissions of methylene chloride, perchloroethylene, trichloroethylene, 1,1,1-trichloroethane, carbon tetrachloride or chloroform to the atmosphere, to those prescribed for compliance within a specified paragraph of 40 CFR

63 Subpart T. The application must contain a complete description of the equipment or procedure and the proposed equivalency testing procedure and the date, time, and location scheduled for the equivalency demonstration.
[40 CFR 63.469, and Permit No. 0250640-023-AC]

8. Changes in Section III – Emissions Units Specific Conditions, Subsection B. The applicant stated in the application that Tank #6 has been removed, and no longer in operation. The emissions unit description is updated to reflect the change as follows:

E.U. ID No.	Brief Description
002	**Hard Chromium Electroplating Operations** • **Five (5) Chromium Electroplating Tanks** Tank #1 Capacity – 2,000 gallons Tank #2 Capacity – 2,000 gallons Tank #3 Capacity – 2,000 gallons Tank #4 Capacity – 1,300 gallons Tank #5 Capacity – 750 gallons • **Three Composite Mesh Pad Scrubber System (North, South, South 2)** Manufacturer – Midwest Air Products Company Model # - ENFORCER III Each Chromium Electroplating Tank has an exhaust duct with a composite mesh pad system, which acts as a mist eliminator. Each scrubber controls emissions from tanks as follows: North Scrubber- Tanks 2 & 3 South Scrubber-Tanks 4 & 5 South 2 Scrubber-Tank 1

9. Changes in Section III – Emissions Units Specific Conditions, Subsection B. For permit specific condition consistency, the following two (2) conditions have been modified as follows:

B.0. Rule Applicability: This emissions unit shall comply with all applicable standards contained in 40 CFR 63, Subpart N-National Emissions Standards for Chromium Emissions from Hard Chromium Electroplating Tanks, and 40 CFR 63 Subpart A – General Provisions.
[40 CFR 63.340]

B.2. Visible Emissions: The permittee shall not cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the opacity of which is equal to or greater than 20% **.**
[Rule 62-296.320(4)(b) F.A.C.]

10. Changes in Section III – Emissions Units Specific Conditions, Subsection C. The incorporation of air construction permit No. 0250640-022-AC required that the emissions unit description be updated as follows:

E.U. ID No.	Brief Description
003	**Painting/Cleaning Operations** **Eight (8) Paint Spray Booths** **Booth #1** (continuous) Manufacturer: Binks Model # 30-740 Dimensions: 12'L X 9'W X 8'7"H Exhaust Fan: 5HP, CFM: 19,100 **Booth #2** Manufacturer: Dayton Model # 32911 Dimensions: 8'8"L X 10'W X 8'H Exhaust Fan: 2HP, CFM: 11,180 **Booth #3** (Downdraft) Manufacturer: JBI Model # DD-14-PDT-S Dimensions: 14'L X 9'W X 8'7"H Exhaust Fan: 5HP, CFM: 13,500 **Booth #4** (Bushing & Hone Shop) Manufacturer: Binks Model # PFF-5-7-TLH Dimensions: 7'8"L X 5'W X 7'H Exhaust Fan: 3/4HP, CFM: 3,880 **Booth #5 (Mineral Spirits Spray Booth)** Manufacturer: Dayton Model No. 7C037 Dimensions: 8'L X 4'W X 4'6"H Exhaust Fan: 1/4HP, CFM: 515 **Booth #6** Manufacturer: JBI Spray Booths & Systems Model No. IDB-810-S

	Dimensions: 8'L x 8'W x 10'H Exhaust Fan: 2HP, CFM: 10,000 **Booth #7** Manufacturer: ETL Spray Booths & Systems Model No.: 8574 Dimensions: 8'W x 7'H x 5'D Fan: One (1) 1.5 HP, 24" Diameter Exhaust Fan, 1,647 RPM, 7,000 CFM @ ½" SP Filter: Sixteen (16) 20" x 20" x 2" Fiberglass Exhaust Filters. **Booth #8** Manufacturer: JBI Spray Booths & Systems Model No. IDB-810-S Dimensions: 8'L x 8'W x 10'H Exhaust Fan: 2HP CFM: 10,000

Note: Paint spray booth Nos. 1,2,3,4,5 & 7 are located at 9371 NW 100 Street, Miami. Paint spray booth Nos. 6 & 8 are located at 9270 NW 100 Street, Miami.

11. Changes in Section III – Emissions Units Specific Conditions, Subsection C. For permit specific condition consistency, the following condition has been modified as follows:

C.0. Rule Applicability: This emissions unit shall comply with all applicable standards contained in 40 CFR 63, Subpart GG-National Emissions for Aerospace Manufacturing and Rework Facilities, and 40 CFR 63 Subpart A – General Provisions.
[40 CFR 63.741]

12. Changes in Section III – Emissions Units Specific Conditions, Subsection D. The incorporation of air construction permit No. 0250640-022-AC required that the emissions unit description be updated as follows:

E.U. ID No.	**Brief Description**

004	**Shot Peen & Blasting Operations** **Plastic Media Polishing Machine No. 1 With Dust Collector** Machine Manufacturer: Empire Abrasive Equipment Company Model # D997C5-5 Dust Collector Manufacturer: Aercology, Model # CX-12 Exhaust Fan: 15HP, CFM: 19,100, Filter Area: 3048 FT^2 **Plastic Media Polishing Machine No. 2 With Dust Collector** Machine Manufacturer: Titan Abrasive System Model No. 10'x10'x10' Dust Collector: Custom Manufactured Exhaust Fan: 7.5HP, CFM: 5,000, Filter Area: 1400 FT^2 **Aluminum Oxide Blasting Machine With Dust Collector** Machine Manufacturer: Empire Abrasive Equipment Company Model # D997C5-5 Dust Collector Manufacturer: Aercology, Model # CX-12 Exhaust Fan: 15HP, CFM: 19,100, Filter Area: 3048 FT^2 **Shot Peen Machine With Dust Collector** Machine Manufacturer: USF Surface Preparation Group Model # DE0000TP Dust Collector Manufacturer: Aercology, Model # CX-9 Exhaust Fan: 10HP, CFM: 4,500, Filter Area: 2286 FT^2
005	**Ovens** **Three (3) Natural Gas Ovens** Manufacturer: Precision Quincy Corporation Model No. 102-450TMM Burner Rating: 1.6 MMBTU/Hr, CFM: 1,100 **One (1) Natural Gas Oven** Manufacturer: Precision Quincy Corporation Model No.: 76-500M Dimensions: 72"L x 72"W x 72"H Fan: One (1) 7.5 HP @ 5000 CFM Fuel Heat: 350,000 Btu/Hr. **One (1) Electric Oven** Manufacturer: Custom Made Dimensions: 8'W x 7'H x 7'8"D *This booth is tied to paint spray booth #7.*

	Two (2) Electric Drying Booths Manufacturer: SPS Surface Preparation Solutions Model No. IB-8108 Dimensions: 8'W x 10'H x 8'D ***One booth is tied to paint spray booth No. 6 and the other is tied to spray booth No. 8***

13. Changes in Section III – Emissions Units Specific Conditions, Subsection D. The incorporation of air construction permit No. 0250640-022-AC required that the specific conditions also cite permit No. 0250640-022-AC as follows:

D.2. Hours of Operation: These emissions units are allowed to operate continuously, i.e., 8,760 hours/year.
[Rule 62-210.200(PTE), F.A.C., and Permit No. 0250640-022-AC]

D.3. Visible Emissions: The permittee shall not cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the opacity of which is equal to or greater than 20% **.**
[Rule 62-296.320(4)(b) F.A.C., and Permit No. 0250640-022-AC]

D.4. Control Equipment: The owner or operator shall visually inspect the emission unit and associated dust collectors daily (emissions unit # 004) to ensure that each dust collector is operating properly, and shall record the condition of each dust collector and pressure drop when inspected. The owner or operator shall perform a detailed inspection of each associated dust collector monthly and record the inspection results. Such inspection shall include general condition of the emission control equipment and duct work, condition of the bags and appurtenances, and verification of proper operation of the bag cleaning cycle.
[Rule 624.070(3) F.A.C., and Permit No. 0250640-022-AC]

14. Changes in Section III – Emissions Units Specific Conditions, Subsection E. The incorporation of air construction permit No. 0250640-023-AC required that the emissions unit description be updated as follows:

E.U. ID No.	**Brief Description**
002	Chromium Electroplating Operations
003	Painting/Cleaning Operations
004	Shot Peen & Blasting Machine Operations
005	Natural Gas Fired Ovens/Electric Oven/Booths

013 016	Emergency Diesel Generators Vapor Degreasing Operations

15. Changes in Section III – Emissions Units Specific Conditions, Subsection E. Specific condition E.5. has been revised to remove conditions that have been compiled with and are no longer applicable as follows:

E.5. Annual Operating Report : The permittee shall submit an annual report that summarizes the actual operating rates and emissions from this facility. Annual operating reports shall be submitted to the Compliance Authority by April 1st of each year.
[Rule 62-210.370(3) F.A.C.]

16. Changes to Appendix ICE: In the current Title V Permit, two (2) Perkins generators are permitted under Emissions Unit 013 and are subject to 40 CFR 63 Subpart IIII – Standards of Performance for Stationary Ignition Internal Combustion Engines. These two (2) generators are also listed under Appendix ICE (Requirements for Internal Combustion Engines). One (1) Caterpillar generator is listed under the insignificant units/activities. This caterpillar generator is now subject to 40 CFR 63 Subpart ZZZZ – National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. Therefore, it is subject to a unit-specific applicable requirement and can no longer be listed as an insignificant activity. As a result, it will be removed from the list of insignificant activities and added to Emissions Unit 013. Additionally, the caterpillar generator is now added to Appendix ICE as subject to Subpart ZZZZ.