



Florida Department of Environmental Protection

Central District
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Orlando, Florida 32803-3767

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

NOTICE OF FINAL TITLE V AIR OPERATION PERMIT

In the Matter of an
Application for Permit:

Mr. Brian O'Connor, Director, Ocala Operations Final Permit No.: 0830024-011-AV
Lockheed Martin Missiles and Fire Control Marion County
498 Oak Road, MP-A01
Ocala, Florida 34472-3099

Enclosed is the FINAL Permit, No. 0830024-011-AV. The purpose is for the renewal of the Title V Air Operation Permit No. 0830024-010-AV. The facility is located at 498 Oak Road, Ocala, Florida. This permit renewal is issued pursuant to Chapter 403, Florida Statutes (F.S.). There were no comments received from Region 4, U.S. EPA, regarding the PROPOSED Permit.

Any party to this order (permit) has the right to seek judicial review of the permit pursuant to Section 120.68, F.S., by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Legal Office; and, by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 (thirty) days from the date this Notice is filed with the Clerk of the Department.

Executed in Orange County, Florida.

Caroline D. Shine
District Air Program Administrator

CDS/jr

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF FINAL TITLE V AIR OPERATION PERMIT (including the FINAL Determination and the FINAL Permit) was sent electronically before the close of business on 6/14/11 to the person(s) listed:

Mr. Brian O'Connor, Director, Ocala Operations, Lockheed Martin Missiles and Fire Control, Ocala Operations: brian.r.oconnor@lmco.com
Ms. Catherine Soistman, P.E., HSW Engineering, Inc.: csoistman@hsweng.com
Mr. Robert Hisey, Lockheed Martin Missiles and Fire Control, Ocala Operations: robert.r.hisey@lmco.com
Ms. Ana Oquendo, EPA Region 4: oquendo.ana@epamail.epa.gov
Ms. Barbara Friday, DEP BAR: barbara.friday@dep.state.fl.us (for posting with U.S. EPA, Region 4)

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED,
on this date, pursuant to §120.52(7), Florida
Statutes, with the designated Department Clerk,
receipt of which is hereby acknowledged.



(Clerk)

June 14, 2011
(Date)

FINAL DETERMINATION

Title V Air Operation Permit Renewal
FINAL Permit No.: 0830024-011-AV
Lockheed Martin Missiles and Fire Control
Page 1 of 1

I. Comment(s).

No comments were received from the USEPA during their 45-day review period of the PROPOSED Permit.

II. Conclusion.

In conclusion, the permitting authority hereby issues the FINAL Permit.

STATEMENT OF BASIS

Title V Air Operation Permit Renewal Permit No. 0830024-011-AV

APPLICANT

The applicant for this project is Lockheed Martin Missiles and Fire Control. The applicant's responsible official and mailing address are:

Mr. Brian O'Connor, Director, Ocala Operations
Lockheed Martin Missiles and Fire Control, Ocala Operations
498 Oak Road, MP-A01
Ocala, Florida 34472-3099

FACILITY DESCRIPTION

The applicant operates the Lockheed Martin Missiles and Fire Control, Ocala Operations facility, which is located at 498 Oak Road, Ocala, Florida.

This facility consists of general assembly and electronic component operations including NESHAP surface coating and flush cleaning operations. Alternate methods of operation and alternate methods of surface coating operations for the facility are allowed in order to maintain Department of Defense contracted production. The alternate methods of operation for the facility include replacement, addition, relocation, and removal of surface coating operations and equipment associated with painting and specialty coatings. Alternate methods of surface coating operations include hand and automated spraying, dipping, brushing, and non-emitting vacuum disposition.

Buildings 1, 2, and 3 involve circuit card assemblies, electronic component assemblies, degreasing, spot cleaning, oven drying, and conformal coating and curing. Assembly operations use adhesives, inks, paints, conformal coating, solder alloys, soldering fluxes, and associated cleaning solutions. The sources within Buildings 1, 2, and 3 are vented by multiple roof vents and fugitive pathways.

The three small natural gas-fired boilers located in Building 1A, which are defined as an insignificant source, provide comfort heating within Buildings 1, 2, and 3. The boilers are fired solely by natural gas.

The natural gas-fired auxiliary emergency power generator located adjacent to the oil farm chemical storage building, which is defined as an insignificant source, provides emergency power to the oil farm chemical storage building. The generator is fired solely by natural gas.

In Building 4, activities include cable and wiring harness operations, circuit card assemblies, electronic component assemblies, degreasing, spot cleaning, oven drying, vacuum deposition conformal coating and curing, and touch-up painting. A paint spray booth is used to apply primer and top coat to fully-built aerospace components. The paint spray booth is equipped with a paint arrestor. The painting operations along with spray gun cleaning are subject to the Aerospace Manufacturing NESHAP, 40 CFR 63, Subpart GG. The sources within Building 4 are vented by multiple stacks and fugitive pathways.

Degreasing operations that may be performed in Buildings 1, 2, 3, and 4 are done using **heavier-than-air** cleaning agents in degreasers, which have closing covers. These degreasers are not vapor

STATEMENT OF BASIS

degreasers and do not use halogenated solvents and, therefore are not subject to the Halogenated Solvent Cleaning NESHAP (40 CFR Part 63, Subpart T).

The surface coating operations in Buildings 1, 2, 3, and 4 are not subject to the NESHAP for Surface Coating of Miscellaneous Metal Parts and Products (40 CFR 63 Subpart M MMM) or the NESHAP for Surface Coating of Plastic Parts and Products (40 CFR 63 Subpart P PPP).

The tray air stripper and the air spargers, which are defined as insignificant sources, remove traces of volatile organic compounds (VOC) from groundwater. The design flow of the air stripper is 60 gallons per minute and 550 cubic feet per minute of ambient air. The treated groundwater effluent from the tray air stripper is disposed in a Class V underground injection well, which is exempted from permitting pursuant to Rule 62-528.630(2)(c), F.A.C. The two air sparging systems operate at a maximum rate of 78 cubic feet per minute of compressed air for the larger system and 42 cubic feet per minute for the smaller system.

Also included in this permit are miscellaneous unregulated/insignificant emissions units and/or activities.

PROJECT DESCRIPTION

The purpose of this permitting project is to renew the existing Title V permit for the above referenced facility.

PROCESSING SCHEDULE AND RELATED DOCUMENTS

Application for a Title V Air Operation Permit Renewal received August 16, 2010

Additional Information Request dated October 14, 2010

Additional Information Response received November 22, 2010

Application complete November 22, 2010

PRIMARY REGULATORY REQUIREMENTS

Title III: The facility is identified as a major source of hazardous air pollutants (HAP).

Title V: The facility is a Title V major source of air pollution in accordance with Chapter 62-213, Florida Administrative Code (F.A.C.).

PSD: The facility is not a Prevention of Significant Deterioration (PSD)-major source of air pollution in accordance with Rule 62-212.400, F.A.C.

NSPS: The facility does not operate units subject to the New Source Performance Standards (NSPS) of 40 Code of Federal Regulations (CFR) 60.

NESHAP: The facility does operate units subject to the National Emissions Standards for Hazardous Air Pollutants (NESHAP) of 40 CFR 63.

CAIR: The facility is not subject to the Clean Air Interstate Rule (CAIR) set forth in Rule 62-296.470, F.A.C.

CAM: Compliance Assurance Monitoring (CAM) does not apply to any of the units at the facility.

STATEMENT OF BASIS

PROJECT REVIEW

The Renewal included a few changes, including revising the facility description, revising the list of insignificant emission units and/or activities, reformatting the permit, adding the emergency generator and Appendix ICE, adding the alternate methods of operation and alternate methods of surface coating operations for the facility are allowed in the description and statement of basis.

CONCLUSION

This project renews Title V air operation permit No. 0830024-010-AV, which was issued on April 24, 2006. This Title V air operation permit renewal is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Chapters 62-4, 62-210 and 62-213, F.A.C.

Lockheed Martin Missiles and Fire Control, Ocala Operations
Facility ID No. 0830024
Marion County

Title V Air Operation Permit Renewal

Permit No. 0830024-011-AV
(Renewal of Title V Air Operation Permit No. 0830024-010-AV)



Permitting Authority:

State of Florida
Department of Environmental Protection
Air Resource Management, Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767
Telephone: (407) 893-3334
Fax: (850) 412-0455

Compliance Authority:

State of Florida
Department of Environmental Protection
Air Resource Management, Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767
Telephone: (407) 893-3334
Fax: (850) 412-0455

Title V Air Operation Permit Renewal

Permit No. 0830024-011-AV

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FINAL PERMIT

PERMITTEE: Permit No. 0830024-011-AV
Lockheed Martin Missiles & Fire Control Lockheed Martin Missiles & Fire Control, Ocala Operations
498 Oak Road Facility ID No. 0830024
Ocala, Florida 34472-3099 Title V Air Operation Permit Renewal

The purpose of this permit is to renew the Title V air operation permit for the above referenced facility. Additionally, alternate methods of operation for the facility are allowed to maintain Department of Defense contracted production which includes replacement, addition, relocation, and removal of surface coating operations and equipment associated with painting and speciality coatings. Alternative methods of surface coating operation include hand and automated spraying, dipping, brushing, and non-emitted vacuum deposition. The Lockheed Martin Missiles & Fire Control, Ocala Operations facility is located in Marion County at 498 Oak Road, Ocala, Florida. UTM Coordinates are: Zone 17, 402.83 East and 3218.15 North. Latitude is: 29° 05' 20.42" North; and, Longitude is: 81° 59' 50.60" West.

The Title V air operation permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, 62-213. The above named permittee is hereby authorized to operate the facility in accordance with the terms and conditions of this permit.

Effective Date: June 5, 2011
Renewal Application Due Date: October 24, 2015
Expiration Date: June 5, 2016



Caroline D. Shine
District Air Program Administrator
Central District

CDS/jr

SECTION I. FACILITY INFORMATION.

Subsection A. Facility Description.

The permittee may operate general assembly and electronic component manufacturing operations in Buildings 1, 2, 3, and 4, which include NESHAP surface coating and flush cleaning operations.

Building 1, 2 and 3 contains cable and wiring harness activities, circuit card assemblies, electronic component assemblies, degreasing, spot cleaning, oven drying, conformal coating and curing. The sources within Buildings 1, 2, and 3 are vented by multiple roof vents and fugitive pathways.

The three small natural gas-fired boilers located in Building 1A, which are defined as an insignificant source, provide comfort heating within Buildings 1, 2, and 3. The boilers are fired solely by natural gas.

The natural gas-fired auxiliary emergency power generator located adjacent to the oil farm chemical storage building, which is defined as an insignificant source, provides emergency power to the oil farm chemical storage building. The generator is fired solely by natural gas.

In Building 4, activities include cable and wiring harness operations, circuit card assemblies, electronic component assemblies, degreasing, spot cleaning, oven drying, vacuum deposition conformal coating and curing, and touch-up painting. A paint spray booth is used to apply primer and topcoat to fully-built aerospace components. The paint spray booth is equipped with a paint arrestor. The painting operations along with spray gun cleaning are subject to the Aerospace Manufacturing NESHAP, 40 CFR 63 Subpart GG. The sources within Building 4 are vented by multiple stacks and fugitive pathways.

Degreasing operation that may be performed in Buildings 1, 2, 3, and 4 are done using **heavier-than-air** cleaning agents in degreasers, that have closing covers. These degreasers are not vapor degreasers and do not use halogenated solvents and, therefore are not subject to the Halogenated Solvent Cleaning NESHAP (40 CFR Part 63, Subpart T).

The surface coating operations in Buildings 1, 2, 3, and 4 are not subject to the NESHAP for Surface Coating of Miscellaneous Metal Parts and Products (40 CFR 63, Subpart MMMM) or the NESHAP for Surface Coating of Plastic Parts and Products (40 CFR 63, Subpart PPPP).

The tray air stripper and the air spargers, which are defined as insignificant sources, remove traces of volatile organic compounds (VOC) from groundwater. The design flow of the air stripper is 60 gallons per minute and 550 cubic feet per minute of ambient air. The treated groundwater effluent from the tray air stripper is disposed in a Class V underground injection well, which is exempted from permitting pursuant to Rule 62-528.630(2)(c) F.A.C. The two air sparging systems operate at a maximum rate of 78 cubic feet per minute of compressed air for the larger system and 42 cubic feet per minute for the smaller system.

Additionally, alternate methods of operation for the facility are allowed to maintain Department of Defense contracted production which includes replacement, addition, relocation, and removal of surface coating operations and equipment associated with painting and speciality coatings. Alternative methods of surface coating operation include hand and automated spraying, dipping, brushing, and non-emitted vacuum deposition.

SECTION I. FACILITY INFORMATION.

Subsection B. Summary of Emissions Units.

EU No.	Brief Description
<i>Regulated Emissions Units</i>	
018	General Assembly and Electronic Component Manufacturing (Buildings 1, 2, 3 and 4)

Subsection C. Applicable Regulations.

Based on the Title V permit renewal application received on August 16, 2010, this facility is a major source of hazardous air pollutants (HAPs).

A summary of applicable regulations is shown in the following table.

Regulation	EU No.
40 CFR 63, Subpart A, NESHAP General Provisions	018
40 CFR 63, Subpart GG, National Emission Standards for Aerospace Manufacturing and Rework Facilities	018
40 CFR 63, Subpart ZZZZ, NESHAP for Stationary Reciprocating Internal Combustion Engines	N/A (see Appendix ICE)

SECTION II. FACILITY-WIDE CONDITIONS.

The following conditions apply facility-wide to all emission units and activities:

FW1. Appendices. The permittee shall comply with all documents identified in Section IV, Appendices, listed in the Table of Contents. Each document is an enforceable part of this permit unless otherwise indicated. [Rule 62-213.440, F.A.C.]

Emissions and Controls

FW2. Not federally Enforceable. Objectionable Odor Prohibited. No person shall cause, suffer, allow or permit the discharge of air pollutants, which cause or contribute to an objectionable odor. An "objectionable odor" means any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance.
[Rule 62-296.320(2) and 62-210.200(Definitions), F.A.C.]

FW3. General Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions. The permittee shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems deemed-necessary and ordered by the Department. To comply, procedures to minimize pollutant emissions shall include the following:

- a) Tightly cover or close all VOC containers when they are not in use;
- b) Tightly cover, where possible, all open troughs, basins, baths, tanks, etc. when they are not in use;
- c) Maintain all piping, valves, fittings, etc. in good operating condition;
- d) Prevent excessive air turbulence across exposed VOCs; and
- e) Immediately confine and clean up VOC spills and make sure certain wastes are placed in closed containers for reuse, recycling, or proper disposal.

[Rule 62-296.320(1)(a), F.A.C.]

FW4. General Visible Emissions. No person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity equal to or greater than 20% opacity. EPA Method 9 is the method of compliance pursuant to Chapter 62-297, F.A.C. This regulation does not impose a specific testing requirement.
[Rule 62-296.320(4)(b)1, F.A.C.]

FW5. Unconfined Particulate Matter. No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction; alteration; demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions. Reasonable precautions to prevent emissions of unconfined particulate matter at this facility include:

- a) Frequent sweeping of outside areas.
- b) Maintain filters in good working order.

SECTION II. FACILITY-WIDE CONDITIONS.

- c) Removal of generated particulate matter from buildings or work areas to prevent particulate from becoming airborne.
- d) Enclosure or covering of activities or equipment where necessary to prevent unconfined particulate matter emissions in excess of 20 percent opacity.
- e) Removal of generated particulate matter from paved and unpaved roads and parking areas to prevent re-entrainment.
- f) Application of water to paved and unpaved roads and parking areas if a visible particulate plume is observed to extend more than 15 feet from the point of origin.

[Rule 62-296.320(4)(c), F.A.C.; and, proposed by applicant in Title V air operation permit application received August 13, 2010.]

Annual Reports and Fees

See Appendix RR, Facility-wide Reporting Requirements for additional details.

FW6. 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.]

FW7. Annual Emissions Fee Form and Fee. The annual Title V emissions fees are due (postmarked) by March 1st 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 Internet web site:

<http://www.dep.state.fl.us/air/emission/tvfee.htm>.

[Rule 62-213.205, F.A.C.]

FW8. Annual Statement of Compliance. The permittee shall submit an annual statement of compliance to the compliance authority at the address shown on the cover of this permit within 60 days after the end of each calendar year during which the Title V permit was effective.

[Rules 62-213.440(3)(a)2. & 3. and (3)(b), F.A.C.]

FW9. Prevention of Accidental Releases (Section 112(r) of CAA). If and when the facility becomes subject to 112(r), the permittee shall:

- a) Submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center. Any Risk Management Plans, original submittals, revisions or updates to submittals, should be sent to: RMP Reporting Center, Post Office Box 10162, Fairfax, VA 22038, Telephone: (703) 227-7650.
- b) Submit to the permitting authority Title V certification forms or a compliance schedule in accordance with Rule 62-213.440(2), F.A.C.

[40 CFR 68]

FW10. Permit Renewal. At least 225 days prior to the expiration date of this permit, the permittee shall submit to the Permitting Authority four copies of the air permit application, DEP Form No. 62-210.900(1). (See Attached Appendix TV, Specific Condition TV 18.) [Rule 62-4.090, F.A.C.]

SECTION II. FACILITY-WIDE CONDITIONS.

FW11. 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.
[Rule 62-213.440(1)(b)3.a., F.A.C.]

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection A. Emissions Unit 018

The specific conditions in this section apply to the following emissions unit:

EU No.	Brief Description
018	<p>The permittee may operate general assembly and electronic component manufacturing operations in Buildings 1, 2, 3, and 4, which include NESHAP surface coating and flush cleaning operations.</p> <p>Building 1, 2 and 3 contains cable and wiring harness activities, circuit card assemblies, electronic component assemblies, degreasing, spot cleaning, oven drying, conformal coating and curing. The sources within Buildings 1, 2, and 3 are vented by multiple roof vents and fugitive pathways.</p> <p>The three small natural gas-fired boilers located in Building 1A, which are defined as an insignificant source, provide comfort heating within Buildings 1, 2, and 3. The boilers are fired solely by natural gas.</p> <p>The natural gas-fired auxiliary emergency power generator located adjacent to the oil farm chemical storage building, which is defined as an insignificant source, provides emergency power to the oil farm chemical storage building. The generator is fired solely by natural gas.</p> <p>In Building 4, activities include cable and wiring harness operations, circuit card assemblies, electronic component assemblies, degreasing, spot cleaning, oven drying, vacuum deposition conformal coating and curing, and touch-up painting. A paint spray booth is used to apply primer and topcoat to fully-built aerospace components. The paint spray booth is equipped with a paint arrestor. The painting operations along with spray gun cleaning are subject to the Aerospace Manufacturing NESHAP, 40 CFR 63 Subpart GG. The sources within Building 4 are vented by multiple stacks and fugitive pathways.</p> <p>Degreasing operation that may be performed in Buildings 1, 2, 3, and 4 are done using heavier-than-air cleaning agents in degreasers, that have closing covers. These degreasers are not vapor degreasers and do not use halogenated solvents and, therefore are not subject to the Halogenated Solvent Cleaning NESHAP (40 CFR Part 63, Subpart T).</p> <p>The surface coating operations in Buildings 1, 2, 3, and 4 are not subject to the NESHAP for Surface Coating of Miscellaneous Metal Parts and Products (40 CFR 63, Subpart MMMM) or the NESHAP for Surface Coating of Plastic Parts and Products (40 CFR 63, Subpart PPPP).</p> <p>The tray air stripper and the air spargers, which are defined as insignificant sources, remove traces of volatile organic compounds (VOC) from groundwater. The design flow of the air stripper is 60 gallons per minute and 550 cubic feet per minute of ambient air. The treated groundwater effluent from the tray air stripper is disposed in a Class V underground injection well, which is exempted from permitting pursuant to Rule 62-528.630(2)(c) F.A.C.. The two air sparging systems operate at a maximum rate of 78 cubic</p>

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection A. Emissions Unit 018

<p>feet per minute of compressed air for the larger system and 42 cubic feet per minute for the smaller system.</p> <p>Additionally, alternate methods of operation for the facility are allowed to maintain Department of Defense contracted production which includes replacement, addition, relocation, and removal of surface coating operations and equipment associated with painting and speciality coatings. Alternative methods of surface coating operation include hand and automated spraying, dipping, brushing, and non-emitted vacuum deposition.</p>
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Essential Potential to Emit (PTE) Parameters

- A.1. Capacity.** The maximum permitted use of Hazardous Air Pollutants (HAPs) or volatile organic compounds/organic solvents (VOC/OS) as defined in Chapter 62-213, F.A.C. from the general assembly and electronic component manufacturing sources in Buildings 1, 2, 3, and 4 is limited to 130 tons per twelve consecutive months.
[Rule 62-210.200, (PTE), F.A.C., and construction permit 0830024-003-AC]
- A.2. Hours of Operation.** Each unit is allowed to operate continuously.
[Rule 62-210.200, (PTE), F.A.C. and construction permit 0830024-003-AC]
- A.3. Emissions Unit Operating Rate Limitation After Testing.** See specific condition no. A15.
[Rule 62-297.310(2), F.A.C.]

Emission Limitations and Standards

- A.4.** Visible emission limit is described in Facility-wide conditions (see condition FW4.)
[Rule 62-296.320(4)(b)1., F.A.C.]
- A.5.** The emissions of Hazardous Air Pollutants (HAPs) or volatile organic compounds/organic solvents (VOC/OS) as defined in Chapter 62-213, F.A.C., from the sources at the facility shall not exceed 81.2 tons per twelve consecutive months.
[Construction permit 0830024-003-AC]
- A.6.** The low-volume usage rates of coatings in the categories of primers, topcoats, and chemical milling allow the facility to be exempt from requirements 40 CFR 63.745 and 63.747 since the annual total usage of each separate formulation of all such primers, topcoats, and chemical milling maskants used at the facility is less the 50 gallons and the combined total annual is less than 200 gallons. Primers and topcoats exempted under 40 CFR 63.741(f) and under 40 CFR 63.745(f)(3) are not included in the 50 and 200 gallon limits. Chemical milling maskants exempted under 40 CFR 63.747(c)(3) are also not included in these limits. [Rule 40 CFR 63.741(g), Applicability and designation of affected sources.] In the event that the facility exceeds either the 50 gallons of total annual usage of each separate formulation of all such nonexempt primers, topcoats, and chemical milling maskants or the combined total annual

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection A. Emissions Unit 018

usage exceeds 200 gallons, the facility will comply with the applicable requirements listed under the Aerospace Manufacturing NESHAP, 40 CFR 63 Subpart GG.

A.7. Cleaning Operations, 40 CFR 63.744 Standards

Housekeeping measures. Each permittee of a new or existing cleaning operation subject to this subpart shall comply with the requirements in this paragraph unless the solvent used is classified as a cleaning solvent that contains no organic HAP or VOC as identified in Table 3.

TABLE 3

COMPOSITION REQUIREMENTS FOR APPROVED CLEANING SOLVENTS

Cleaning Solvent Type	Composition Requirements
Aqueous	Cleaning solvents in which water is the primary ingredient (>80 percent of solvent solution as applied must be water). Detergents, surfactants, and bioenzyme mixtures and nutrients may be combined with the water along with a variety of additives such as organic solvents (e.g., high boiling point alcohols), builders, saponifiers, inhibitors, emulsifiers, pH buffers, and antifoaming agents. Aqueous solutions must have a flash point greater than 93°C (200°F) (as reported by the manufacturer) and the solution must be miscible with water.
Hydrocarbon-Based	Cleaners that are composed of a mixture of photochemically reactive hydrocarbons and oxygenated hydrocarbons and have a maximum vapor pressure of 7 mm Hg at 20°C (3.75 in. H ₂ O at 68°F). These cleaners also contain no HAP or ozone depleting compounds.

§ 63.744 Standards: Cleaning operations.

(a) *Housekeeping measures.* Each owner or operator of a new or existing cleaning operation subject to this subpart shall comply with the requirements in these paragraphs unless the cleaning solvent used is identified in Table 1 of this section or contains HAP and VOC below the de minimis levels specified in §63.741(f).

(1) Unless the owner or operator satisfies the requirements in paragraph (a)(4) of this section, place used solvent-laden cloth, paper, or any other absorbent applicators used for cleaning in bags or other closed containers. Ensure that these bags and containers are kept closed at all times except when depositing or removing these materials from the container. Use bags and containers of such design so as to contain the vapors of the cleaning solvent. Cotton-tipped swabs used for very small cleaning operations are exempt from this requirement.

SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

Subsection A. Emissions Unit 018

(2) Unless the owner or operator satisfies the requirements in paragraph (a)(4) of this section, store fresh and spent cleaning solvents, except semi-aqueous solvent cleaners, used in aerospace cleaning operations in closed containers.

(4) Demonstrate to the Administrator (or delegated State, local, or Tribal authority) that equivalent or better alternative measures are in place compared to the use of closed containers for the solvent-laden materials described in paragraph (a)(1) of this section, or the storage of solvents described in paragraph (a)(2) of this section.

(3) Conduct the handling and transfer of cleaning solvents to or from enclosed systems, vats, waste containers, and other cleaning operation equipment that hold or store fresh or spent cleaning solvents in such a manner that minimizes spills.

(b) *Hand-wipe cleaning.* Each owner or operator of a new or existing hand-wipe cleaning operation (excluding cleaning of spray gun equipment performed in accordance with paragraph (c) of this section) subject to this subpart shall use cleaning solvents that meet one of the requirements specified in paragraphs (b)(1), (b)(2), and (b)(3) of this section. Cleaning solvent solutions that contain HAP and VOC below the de minimis levels specified in §63.741(f) are exempt from the requirements in paragraphs (b)(1), (b)(2), and (b)(3) of this section.

(1) Meet one of the composition requirements in Table 1 of this section;

(2) Have a composite vapor pressure of 45 mm Hg (24.1 in. H₂O) or less at 20 °C (68 °F); or

(3) Demonstrate that the volume of hand-wipe solvents used in cleaning operations has been reduced by at least 60% from a baseline adjusted for production. The baseline shall be established as part of an approved alternative plan administered by the State. Demonstrate that the volume of hand-wipe cleaning solvents used in cleaning operations has been reduced by at least 60 percent from a baseline adjusted for production. The baseline shall be calculated using data from 1996 and 1997, or as otherwise agreed upon by the Administrator or delegated State Authority. The baseline shall be approved by the Administrator or delegated State Authority and shall be included as part of the facility's title V or part 70 permit.

(c) *Spray gun cleaning.* Each owner or operator of a new or existing spray gun cleaning operation subject to this subpart in which spray guns are used for the application of coatings or any other materials that require the spray guns to be cleaned shall use one or more of the techniques, or their equivalent, specified in paragraphs (c)(1) through (c)(4) of this section. Spray gun cleaning operations using cleaning solvent solutions that contain HAP and VOC below the de minimis levels specified in §63.741(f) are exempt from the requirements in paragraphs (c)(1) through (c)(4) of this section.

(1)(i) Enclosed system. Clean the spray gun in an enclosed system that is closed at all times except when inserting or removing the spray gun. Cleaning shall consist of forcing solvent through the gun.

(ii) If leaks are found during the monthly inspection required in 40 CFR 63.751(a), repairs shall be made as soon as practicable, but no later than 15 days after the leak was found. If the leak is

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not repaired by the 15th day after detection, the solvent shall be removed and the enclosed cleaner shall be shut down until the leak is repaired or its use is permanently discontinued.

(2) Nonatomized cleaning. Clean the spray gun by placing solvent in the pressure pot and forcing it through the gun with the atomizing cap in place. No atomizing air is to be used. Direct the solvent from the spray gun into a vat, drum, or other waste container that is closed when not in use.

(3) Disassembled spray gun cleaning. Disassemble the spray gun and clean the components by hand in a vat, which shall remain closed at all times except when in use. Alternatively, soak the components in a vat, which shall remain closed during the soaking period and when not inserting or removing components.

[Rule 40 CFR 63.744(c)]

(4) Atomizing cleaning. Clean the spray gun by forcing the solvent through the gun and direct the resulting atomized spray into a waste container that is fitted with a device designed to capture the atomized solvent emissions.

(d) Flush cleaning. Each permittee of a new or existing flush cleaning operation subject to this subpart (excluding those in which Table 3 or semi-aqueous cleaning solvents are used) shall empty the used cleaning solvent each time an aerospace part or assembly, or a component of a coating unit (with the exception of spray guns) is flushed clean into an enclosed container or collection system that is kept closed when not in use or into a system with equivalent emission control.

A.9. Spray Gun Monitoring Requirements, 40 CFR 63.751

(a) Enclosed spray gun cleaners. Each permittee using an enclosed spray gun cleaner under 40 CFR 63.744(c)(1) shall visually inspect the seals and all other potential sources of leaks associated with each enclosed gun spray cleaner system at least once per month. Each inspection shall occur while the system is in operation.

[Rule 40 CFR 63.751(a)]

A.10. Recordkeeping requirements, 40 CFR 63.752 (a)(b)

(a) General. Each owner or operator of a source subject to this subpart shall fulfill all recordkeeping requirements specified in § 63.10 (a), (b), (d), and (f).

(b) Cleaning operation. Each owner or operator of a new or existing cleaning operation subject to this subpart shall record the information specified in paragraphs (b)(1) through (b)(5) of this section, as appropriate.

(1) The name, vapor pressure, and documentation showing the organic HAP constituents of each cleaning solvent used at the facility.

(2) For each cleaning solvent used in hand-wipe cleaning operations that complies with the composition requirements specified in § 63.744(b)(1) or for semi-aqueous cleaning solvents used for flush cleaning operations:

(i) The name of each cleaning solvent used;

(ii) All data and calculations that demonstrate that the cleaning solvent complies with one of the composition requirements; and

(iii) Annual records of the volume of each solvent used, as determined from facility purchase records or usage records.

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(3) For each cleaning solvent used in hand-wipe cleaning operations that does not comply with the composition requirements in §63.744(b)(1), but does comply with the vapor pressure requirement in §63.744(b)(2):

- (i) The name of each cleaning solvent used;
- (ii) The composite vapor pressure of each cleaning solvent used;
- (iii) All vapor pressure test results, if appropriate, data, and calculations used to determine the composite vapor pressure of each cleaning solvent; and
- (iv) The amount (in gallons) of each cleaning solvent used each month at each operation.

(4) For each cleaning solvent used for the exempt hand wipe cleaning operations specified in § 63.744(e) that does not conform to the vapor pressure or composition requirements of § 63.744(b):

- (i) The identity and amount (in gallons) of each cleaning solvent used each month at each operation; and
- (ii) A list of the processes set forth in § 63.744(e) to which the cleaning operation applies.

(5) A record of all leaks from enclosed spray gun cleaners identified pursuant to § 63.751(a) that includes for each leak found:

- (i) Source identification;
- (ii) Date leak was discovered; and
- (iii) Date leak was repaired.

A.11. Reporting Requirements, 40 CFR 63.753 (a)(b)

(a)(1) Except as provided in paragraphs (a)(2) and (a)(3) of this section, each owner or operator subject to this subpart shall fulfill the requirements contained in § 63.9 (a) through (e) and (h) through (j), Notification requirements, and § 63.10 (a), (b), (d) and (f), Recordkeeping and reporting requirements, of the General Provisions, 40 CFR part 63, subpart A, except that the initial notification requirements for new or reconstructed affected sources in § 63.9(b) (3) though (5) shall not apply. In addition to the requirements of § 63.9(h), the notification of compliance status shall include:

- (i) Information detailing whether the source has operated within the specified ranges of its designated operating parameters.
- (ii) For each coating line, where averaging will be used along with the types of quantities of coatings the facility expects to use in the first year of operation. Averaging scheme shall be approved by the Administrator or delegated State authority and shall be included as part of the facility's title V or part 70 permit.

(2) The initial notification for existing sources, required in § 63.9(b)(2) shall be submitted no later than September 1, 1997. For the purposes of this subpart, a title V or part 70 permit application may be used in lieu of the initial notification required under § 63.9(b)(2), provided the same information is contained in the permit application as required by § 63.9(b)(2), and the State to which the permit application has been submitted has an approved operating permit program under part 70 of this chapter and has received delegation of authority from the EPA. Permit applications shall be submitted by the same due dates as those specified for the initial notifications.

(3) For the purposes of this subpart, the Administrator will notify the owner or operator in writing of approval or disapproval of the request for an adjustment to a particular time period or postmark deadline submitted under § 63.9(i) within 30 calendar days of receiving sufficient information to evaluate the request, rather than 15 calendar days as provided for in § 63.9(i)(3).

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- (b) *Cleaning operation.* Each owner or operator of a cleaning operation subject to this subpart shall submit the following information:
- (1) Semiannual reports occurring every 6 months from the date of the notification of compliance status that identify:
 - (i) Any instance where a noncompliant cleaning solvent is used for a non-exempt hand-wipe cleaning operation;
 - (ii) A list of any new cleaning solvents used for hand-wipe cleaning in the previous 6 months and, as appropriate, their composite vapor pressure or notification that they comply with the composition requirements specified in §63.744(b)(1);
 - (iii) Any instance where a noncompliant spray gun cleaning method is used;
 - (iv) Any instance where a leaking enclosed spray gun cleaner remains unrepaired and in use for more than 15 days; and
 - (v) If the operations have been in compliance for the semiannual period, a statement that the cleaning operations have been in compliance with the applicable standards. Sources shall also submit a statement of compliance signed by a responsible company official certifying that the facility is in compliance with all applicable requirements.

Test Methods and Procedures

A.12. Test Methods. Required tests shall be performed in accordance with the following reference methods:

EPA Method	Description of Method and Comments
9	Visual Determination of the Opacity of Emissions from Stationary Sources

The above methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department. [Rules 62-297.310(7)(a)3. and 62-297.401, F.A.C.]

A.13. Newly installed surface coating booths and equipment shall demonstrate compliance with visible emission limits in accordance with EPA Method 9. The test shall be performed within 30 days of startup and prior to permit renewal and the test period shall be a minimum of 30 minutes or the length of the batch/cycle if less than 30 minutes. Surface coating booths and equipment that do not directly emit to the atmosphere through a stack or vent will not require visible emission testing.

[Rules 62-297.401, 62-297.310(4)(a)2., and 62-297.310(7)(a)1. & 3. F.A.C.]

A.14. Common Testing Requirements. Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit.

[Rule 62-297.310, F.A.C.]

A.15. Compliance Tests Prior To Renewal. Compliance tests shall be performed for EU 018, once every 5 years. The tests shall occur prior to obtaining a renewed operating permit to demonstrate compliance with the emission limits in Specific Conditions A.2.

[Rules 62-210.300(2)(a) and 62-297.310(7)(a), F.A.C.]

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A.16. Test Notification. The permittee shall notify the Compliance Authority, at least 15 days prior to the date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the permittee.

[Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]

A.17. Testing of emissions shall be conducted with the emissions unit operation at permitted capacity. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. If it is impractical to test at permitted capacity, an emissions unit may be tested at less than the minimum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test load until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity.

[Rule 62-297.310(2)& (2) (b), F.A.C.]

Monitoring of Operations

A.18. Determination of Process Variables.

(a) **Required Equipment.** The owner or operator of an emissions unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards.

(b) **Accuracy of Equipment.** Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value.

[Rule 62-297.310(5), F.A.C.]

Recordkeeping and Reporting Requirements

A.19. In order to demonstrate compliance with conditions **A.1.** and **A.5.**, the permittee shall maintain a log at the facility for a period of at least 5 years from the date the data is recorded. The log at a minimum shall contain the following:

Monthly

- a) month
- b) consecutive 12-month total of:
 - material usage rates
 - HAP/VOC emission rate

[Rules 62-4.070(3), and 62-213.440(1)(b)2., F.A.C.]

Supporting documentation, such as Material Safety Data Sheets, purchase orders, chemical usage tracking logs, EPA "As Supplied" data sheets, EPA Method 24, etc., shall be kept which includes sufficient information to determine compliance. Documentation of each chemical

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reclaimed will use a mass balance method to determine usage/emissions (amount used minus amount collected for disposal or recycle). The log and documents shall be kept at the facility for at least 5 years and made available to the Department. The monthly logs shall be completed by the end of the following month.

[Rules 62-4.070(3), and 62-213.440(1)(b)2.b., F.A.C.]

Note: A consecutive 12-month total is equal to the total for the month in question plus the totals for the eleven months previous to the month in question. A consecutive 12-month total treats each month of the year as the end of a 12-month period. A 12-month total is not a year-to-date total. Facilities that have not been operating for 12 months should retain 12-month totals using whatever number of months of data is available until such a time as a consecutive 12-month total can be maintained each month.

A.20. Reports of the required test report shall be filed with the air compliance section of this office as soon as practical but no later than 45 days after the last test is completed.

[Rule 62-297.310(8), F.A.C.]

A.21. 40 CFR 63.753 Reporting Requirements

(b) Cleaning operation. Each permittee of a cleaning operation subject to this subpart shall submit the following information:

(1) Semiannual reports occurring every 6 months from the date of the notification of compliance status that identify:

(i) Any instance where a noncompliance cleaning solvent is used for a nonexempt hand wipe cleaning operation;

(ii) A list of any new cleaning solvents used for hand wipe cleaning in the previous 6 months and, as appropriate, their composite vapor pressure or notification that they comply with the composition requirements specified in 40 CFR 63.744(b)(1);

(iii) Any instance where a noncompliant spray gun cleaning method is used;

(iv) Any instance where a leaking enclosed spray gun cleaner remains unrepaired and in use for more than 15 days; and

(v) If the operations have been in compliance for the semiannual period, a statement that the cleaning operations have been in compliance with the applicable standards. Sources shall also submit a statement of compliance signed by a responsible company official certifying that the facility is in compliance with all applicable requirements.

[Rule 40 CFR 63.753(b)]

A.22. Federal Rule Requirements. In addition to the specific conditions listed above, this emissions unit is also subject to the applicable requirements contained in 40 CFR 63, Subpart A - General Provisions and 40 CFR 63 Subpart GG. The conditions are incorporated into this permit (attached and part of this permit).

SECTION IV. APPENDICES.

The Following Appendices Are Enforceable Parts of This Permit:

- Appendix A, Glossary.
- Appendix I, List of Insignificant Emissions Units and/or Activities.
- Appendix ICE, Requirements for Internal Combustion Engines.
- Appendix NESHAP, Subpart A - General Provisions.
- Appendix GG - 40 CFR 63, Subpart GG
- Appendix ZZZZ - 40 CFR 63, Subpart ZZZZ
- Appendix RR, Facility-wide Reporting Requirements.
- Appendix TR, Facility-wide Testing Requirements.
- Appendix TV, Title V General Conditions.

REFERENCED ATTACHMENTS.

The Following Attachments Are Included for Applicant Convenience:

Table H, Permit History