



# Florida Department of Environmental Protection

Central District Office  
3319 Maguire Blvd., Ste. 232  
Orlando, Florida 32803-3767

Rick Scott  
Governor

Jennifer Carroll  
Lt. Governor

Herschel T. Vinyard Jr.  
Secretary

Electronic Mail – Received Receipt Requested  
**brian.r.oconnor@lmco.com**

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

Re: Permit No. 0830024-011-AV  
Lockheed Martin Missiles and Fire Control, Ocala Operations  
Title V Air Operation Permit Renewal

Dear Mr. O'Connor:

Enclosed is the draft permit package to renew the Title V air operation permit for Lockheed Martin Missiles and Fire Control, Ocala Operations. This facility is located in Marion County at 498 Oak Road, Ocala, Florida. The permit package includes the following documents:

- The Statement of Basis, which summarizes the facility, the equipment, the primary rule applicability, and the changes since the last Title V renewal.
- The draft Title V air operation permit renewal, which includes the specific permit conditions that regulate the emissions units covered by the proposed project.
- The Written Notice of Intent to Issue Air Permit provides important information regarding: the Permitting Authority's intent to issue an air permit for the proposed project; the requirements for publishing a Public Notice of the Permitting Authority's intent to issue an air permit; the procedures for submitting comments on the draft permit; the process for filing a petition for an administrative hearing; and the availability of mediation.
- The Public Notice of Intent to Issue Air Permit is the actual notice that you must have published in the legal advertisement section of a newspaper of general circulation in the area affected by this project. The Public Notice of Intent to Issue Air Permit must be published as soon as possible and the proof of publication must be provided to the Department within seven days of the date of publication.

If you have any questions, please contact the Project Engineer, Mr. Jeff Rustin, P.E. by telephone at 407-893-3335 or by email at [Jeff.Rustin@dep.state.fl.us](mailto:Jeff.Rustin@dep.state.fl.us).

Sincerely,

Caroline D. Shine  
District Air Program Administrator

2/18/11

Date

Enclosures  
CDS/jr

**WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT**

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*In the Matter of an  
Application for Title V Air Operation Permit by:*

Lockheed Martin Missiles and Fire Control  
498 Oak Road, MP-A01  
Ocala, Florida 34472-3099.

Permit No. 0830024-011-AV  
Facility ID No. 0830024  
Lockheed Martin Missiles and Fire Control,  
Ocala Operations  
Title V Air Operation Permit Renewal  
Marion County, Florida

*Responsible Official:*  
Mr. Brian O'Connor, Director, Ocala Operations

**Facility Location:** Lockheed Martin Missiles and Fire Control operates Lockheed Martin Missiles and Fire Control, Ocala Operations, which is located in Marion County at 498 Oak Road, Ocala, Florida.

**Project:** The purpose of this project is to renew Title V air operation permit No. 0830024-010-AV, for the above referenced facility. Details of the project are provided in the application and the enclosed Statement of Basis.

**Permitting Authority:** Applications for Title V air operation permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210, 62-213 of the Florida Administrative Code (F.A.C.). The proposed project is not exempt from air permitting requirements and a Title V air operation permit is required to operate the facility. The Department of Environmental Protection's Air Resource Section in the Central District Office is the Permitting Authority responsible for making a permit determination for this project. The Permitting Authority's physical address is: 3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767. The Permitting Authority's mailing address is: 3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767. The Permitting Authority's telephone number is 407/893-3334.

**Project File:** A complete project file is available for public inspection during the normal business hours of 8:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at the address indicated above for the Permitting Authority. The complete project file includes the draft permit, the statement of basis, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may view the draft permit by visiting the following website:

<http://www.dep.state.fl.us/air/emission/apds/default.asp> and entering the permit number shown above. Interested persons may contact the Permitting Authority's project review engineer for additional information at the address or phone number listed above.

**Notice of Intent to Issue Permit:** The Permitting Authority gives notice of its intent to issue a draft Title V air operation permit renewal to the applicant for the project described above. The applicant has provided reasonable assurance that continued operation of the existing equipment will not adversely impact air quality and that the project will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, F.A.C. The Permitting Authority will issue a draft permit and subsequent final permit in accordance with the conditions of the draft permit unless a response received in accordance with the following procedures results in a different decision or a significant change of terms or conditions.

**Public Notice:** Pursuant to Section 403.815, F.S. and Rules 62-110.106 and 62-210.350, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Public Notice of Intent to Issue Air Permit (Public Notice). The Public Notice shall be published one time only as soon as possible in the legal advertisement section of a newspaper of general circulation in the area affected by this project. The newspaper used must meet the requirements of Sections 50.011 and 50.031, F.S. in the county where the activity is to take place. If you are uncertain that a newspaper meets these requirements, please contact the Permitting Authority at the above address or phone number. Pursuant to Rule 62-110.106(5) and (9), F.A.C., the applicant shall provide proof of publication to the Permitting Authority at the above address within 7 days of publication. Failure to

## WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT

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publish the notice and provide proof of publication may result in the denial of the permit pursuant to Rule 62-110.106(11), F.A.C.

**Comments:** The Permitting Authority will accept written comments concerning the draft Title V air operation permit for a period of 30 days from the date of publication of the Public Notice. Written comments must be received by the close of business (5:00 p.m.), on or before the end of this 30-day period by the Permitting Authority at the above address. As part of his or her comments, any person may also request that the Permitting Authority hold a public meeting on this permitting action. If the Permitting Authority determines there is sufficient interest for a public meeting, it will publish notice of the time, date, and location in the Florida Administrative Weekly (FAW). If a public meeting is requested within the 30-day comment period and conducted by the Permitting Authority, any oral and written comments received during the public meeting will also be considered by the Permitting Authority. If timely received written comments or comments received at a public meeting result in a significant change to the draft permit, the Permitting Authority shall issue a revised draft permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection. For additional information, contact the Permitting Authority at the above address or phone number.

**Petitions:** A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed with (received by) the Department's Agency Clerk in the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. Petitions filed by the applicant or any of the parties listed below must be filed within 14 days of receipt of this Written Notice of Intent to Issue Air Permit. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 days of publication of the attached Public Notice or within 14 days of receipt of this Written Notice of Intent to Issue Air Permit, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Permitting Authority for notice of agency action may file a petition within 14 days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Permitting Authority's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address, and telephone number of the petitioner; the name, address and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination; (c) A statement of when and how each petitioner received notice of the agency action or proposed decision; (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action including an explanation of how the alleged facts relate to the specific rules or statutes; and, (g) A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the agency to take with respect to the agency's proposed action. A petition that does not dispute the material facts upon which the Permitting Authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition

## WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT

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means that the Permitting Authority's final action may be different from the position taken by it in this Written Notice of Intent to Issue Air Permit. Persons whose substantial interests will be affected by any such final decision of the Permitting Authority on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

**Mediation:** Mediation is not available in this proceeding.

**EPA Review:** EPA has agreed to treat the draft Title V air operation permit as a proposed Title V air operation permit and to perform its 45-day review provided by the law and regulations concurrently with the public comment period, provided that the applicant also transmits an electronic copy of the required proof of publication directly to EPA at the following email address: [oguendo.ana@epamail.epa.gov](mailto:oguendo.ana@epamail.epa.gov). Although EPA's 45-day review period will be performed concurrently with the public comment period, the deadline for submitting a citizen petition to object to the EPA Administrator will be determined as if EPA's 45-day review period is performed after the public comment period has ended. The final Title V air operation permit will be issued after the conclusion of the 45-day EPA review period so long as no adverse comments are received that result in a different decision or significant change of terms or conditions. The status regarding EPA's 45-day review of this project and the deadline for submitting a citizen petition can be found at the following website address: <http://www.epa.gov/region4/air/permits/Florida.htm>.

**Objections:** Finally, pursuant to 42 United States Code (U.S.C.) Section 7661d(b)(2), any person may petition the Administrator of the EPA within 60 days of the expiration of the Administrator's 45-day review period as established at 42 U.S.C. Section 7661d(b)(1), to object to the issuance of any Title V air operation permit. Any petition shall be based only on objections to the Permit that were raised with reasonable specificity during the 30-day public comment period provided in the Public Notice, unless the petitioner demonstrates to the Administrator of the EPA that it was impracticable to raise such objections within the comment period or unless the grounds for such objection arose after the comment period. Filing of a petition with the Administrator of the EPA does not stay the effective date of any permit properly issued pursuant to the provisions of Chapter 62-213, F.A.C. Petitions filed with the Administrator of EPA must meet the requirements of 42 U.S.C. Section 7661d(b)(2) and must be filed with the Administrator of the EPA at: U.S. EPA, 401 M Street, S.W., Washington, D.C. 20460. For more information regarding EPA review and objections, visit EPA's Region 4 web site at <http://www.epa.gov/region4/air/permits/Florida.htm>.

Executed in Orlando, Florida.



Caroline D. Shine  
District Air Program Administrator

**WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT**

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**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this Written Notice of Intent to Issue Title V Air Operation Permit (including the Public Notice, the Statement of Basis, and the Draft Permit), or a link to these documents available electronically on a publicly accessible server, was sent by electronic mail with received receipt requested before the close of business on Feb. 18, 2011 to the persons listed below.

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 Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.

  
\_\_\_\_\_  
(Clerk)

2/18/11  
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(Date)

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## PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMIT

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Florida Department of Environmental Protection  
Central District  
Draft Permit No.0830024-011-AV  
Lockheed Martin Missiles and Fire Control, Lockheed Martin Missiles and Fire Control, Ocala Operations  
Marion County, Florida

**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 Location:** The applicant operates the existing Lockheed Martin Missiles and Fire Control, Ocala Operations facility, which is located in Marion County at 498 Oak Road, Ocala, Florida.

**Project:** The applicant applied on August 16, 2010 to the Department for a Title V air operation permit renewal. This is a renewal of Title V air operation permit No. 0830024-010-AV. 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.

**Permitting Authority:** Applications for Title V air operation permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210, 62-213 of the Florida Administrative Code (F.A.C.). The proposed project is not exempt from air permitting requirements and a Title V air operation permit is required to operate the facility. The Department of Environmental Protection's Air Resource Section in the Central District Office is the Permitting Authority responsible for making a permit determination for this project. The Permitting Authority's physical address is: 3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767. The Permitting Authority's mailing address is: 3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803-3767. The Permitting Authority's telephone number is 407/893-3334.

**Project File:** A complete project file is available for public inspection during the normal business hours of 8:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at the address indicated above for the Permitting Authority. The complete project file includes the draft permit, the statement of basis, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may view the draft permit by visiting the following website: <http://www.dep.state.fl.us/air/emission/apds/default.asp> and entering the permit number shown above. Interested persons may contact the Permitting Authority's project review engineer for additional information at the address or phone number listed above.

**Notice of Intent to Issue Permit:** The Permitting Authority gives notice of its intent to issue a draft Title V air operation permit renewal to the applicant for the project described above. The applicant has provided reasonable assurance that continued operation of the existing equipment will not adversely impact air quality and that the project will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, F.A.C. The Permitting Authority will issue a draft permit and subsequent final permit in accordance with the conditions of the draft permit unless a response received in accordance with the following procedures results in a different decision or a significant change of terms or conditions.

**Comments:** The Permitting Authority will accept written comments concerning the draft Title V air operation permit for a period of 30 days from the date of publication of the Public Notice. Written comments must be received by the close of business (5:00 p.m.), on or before the end of this 30-day period by the Permitting Authority at the above address. As part of his or her comments, any person may also request that the Permitting Authority hold a public meeting on this permitting action. If the Permitting Authority determines there is

(Public Notice to be Published in the Newspaper)

## PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMIT

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sufficient interest for a public meeting, it will publish notice of the time, date, and location in the Florida Administrative Weekly (FAW). If a public meeting is requested within the 30-day comment period and conducted by the Permitting Authority, any oral and written comments received during the public meeting will also be considered by the Permitting Authority. If timely received written comments or comments received at a public meeting result in a significant change to the draft permit, the Permitting Authority shall issue a revised draft permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection. For additional information, contact the Permitting Authority at the above address or phone number.

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A petition that disputes the material facts on which the Permitting Authority's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address and telephone number of the petitioner; the name address and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial rights will be affected by the agency determination; (c) A statement of when and how the petitioner received notice of the agency action or proposed decision; (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action including an explanation of how the alleged facts relate to the specific rules or statutes; and, (g) A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the agency to take with respect to the agency's proposed action. A petition that does not dispute the material facts upon which the Permitting Authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Permitting Authority's final action may be different from the position taken by it in this Public Notice of Intent to Issue Air Permit. Persons whose substantial interests will be affected by any such final decision of the Permitting Authority on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

**Mediation:** Mediation is not available for this proceeding.

**EPA Review:** EPA has agreed to treat the draft Title V air operation permit as a proposed Title V air operation permit and to perform its 45-day review provided by the law and regulations concurrently with the public comment period, provided that the applicant also transmits an electronic copy of the required proof of

(Public Notice to be Published in the Newspaper)

## **PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMIT**

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publication directly to EPA at the following email address: [oqueendo.ana@epamail.epa.gov](mailto:oqueendo.ana@epamail.epa.gov). Although EPA's 45-day review period will be performed concurrently with the public comment period, the deadline for submitting a citizen petition to object to the EPA Administrator will be determined as if EPA's 45-day review period is performed after the public comment period has ended. The final Title V air operation permit will be issued after the conclusion of the 45-day EPA review period so long as no adverse comments are received that result in a different decision or significant change of terms or conditions. The status regarding EPA's 45-day review of this project and the deadline for submitting a citizen petition can be found at the following website address: <http://www.epa.gov/region4/air/permits/Florida.htm>.

**Objections:** Finally, pursuant to 42 United States Code (U.S.C.) Section 7661d(b)(2), any person may petition the Administrator of the EPA within 60 days of the expiration of the Administrator's 45-day review period as established at 42 U.S.C. Section 7661d(b)(1), to object to the issuance of any Title V air operation permit. Any petition shall be based only on objections to the Permit that were raised with reasonable specificity during the 30-day public comment period provided in the Public Notice, unless the petitioner demonstrates to the Administrator of the EPA that it was impracticable to raise such objections within the comment period or unless the grounds for such objection arose after the comment period. Filing of a petition with the Administrator of the EPA does not stay the effective date of any permit properly issued pursuant to the provisions of Chapter 62-213, F.A.C. Petitions filed with the Administrator of EPA must meet the requirements of 42 U.S.C. Section 7661d(b)(2) and must be filed with the Administrator of the EPA at: U.S. EPA, 401 M Street, S.W., Washington, D.C. 20460. For more information regarding EPA review and objections, visit EPA's Region 4 web site at <http://www.epa.gov/region4/air/permits/Florida.htm>.





**TECHNICAL EVALUATION  
&  
PRELIMINARY DETERMINATION**

**APPLICANT**

Lockheed Martin Missiles and Fire Control  
498 Oak Road  
Ocala, Florida 34472

Lockheed Martin Missiles and Fire Control, Ocala Operations

Facility ID No. 0830024

**PROJECT**

Project No. 0830024-011-AV  
Application for Title V Air Operation Permit  
Project Name: Title V Air Operation Permit Renewal

**COUNTY**

Marion County, Florida

**PERMITTING AUTHORITY**

Florida Department of Environmental Protection  
Air Resource Management  
Central District Office  
3319 Maguire Blvd., Ste. 232, Orlando, FL 32803-3767

February 18, 2011

Prepared by Jeffrey Rustin, P.E.

## TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

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### GENERAL PROJECT INFORMATION

#### Air Pollution Regulations

Projects at stationary sources with the potential to emit air pollution are subject to the applicable environmental laws specified in Section 403 of the Florida Statutes (F.S.). The statutes authorize the Department of Environmental Protection (Department) to establish regulations regarding air quality as part of the Florida Administrative Code (F.A.C.), which includes the following applicable chapters: 62-4 (Permits); 62-204 (Air Pollution Control - General Provisions); 62-210 (Stationary Sources - General Requirements); 62-212 (Stationary Sources - Preconstruction Review); 62-213 (Operation Permits for Major Sources of Air Pollution); 62-296 (Stationary Sources - Emission Standards); and 62-297 (Stationary Sources - Emissions Monitoring). Specifically, air construction permits are required pursuant to Rules 62-4, 62-210 and 62-212, F.A.C.

In addition, the U. S. Environmental Protection Agency (EPA) establishes air quality regulations in Title 40 of the Code of Federal Regulations (CFR). Part 60 specifies New Source Performance Standards (NSPS) for numerous industrial categories. Part 61 specifies National Emission Standards for Hazardous Air Pollutants (NESHAP) based on specific pollutants. Part 63 specifies NESHAP based on the Maximum Achievable Control Technology (MACT) for numerous industrial categories. The Department adopts these federal regulations on a quarterly basis in Rule 62-204.800, F.A.C.

#### Glossary of Common Terms

Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of this permit.

I. Project Description:

A. Applicant:

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

B. Professional Engineer:

Ms. Catherine Soistman, P.E.  
HSW Engineering, Inc.  
605 E. Robinson Street, Suite 308  
Orlando, Florida 32801

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Company Name: Lockheed Martin Missiles and Fire Control

Project No. 0830024-011-AV

Plant Name: Lockheed Martin Missiles & Fire Control, Ocala Operations

Project Name: Title V Air  
Operation Permit Renewal

## TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

### C. Project Location:

Lockheed Martin Missiles and Fire Control, Ocala Operations  
498 Oak Rd., MP-A01  
Ocala, Florida 34472-3099

### D. Project Summary:

The applicant applied on August 16, 2010 to the Department for a Title V air operation permit renewal. This facility consists of general assembly and electronic component operations including NESHAP surface coating and flush cleaning operations.

### E. Application Information:

Application Received on: August 16, 2010  
Additional Information Request: October 14, 2010  
Additional Information Response received: November 22, 2010  
Application Complete: November 22, 2010

## II. PSD Applicability for Project

As provided in the application, the following table summarizes potential emissions and PSD applicability for the project.

**Table A. Potential Emissions (Tons/Year) and PSD Applicability**

Pollutant	Project Potential Emission (tpy)	Significant Emissions Rate (tpy)	Subject to PSD?
VOC	0 (no increase)	100	No, Facility Wide total is less than 250 tpy.
HAPs	0 (no increase)	N/A	N/A

The project is not subject to PSD preconstruction review.

## III. Rule Applicability

This project is subject to the preconstruction review requirements of Chapter 403, Florida Statutes and Chapters 62-204 through 62-297, Florida Administrative Code (F.A.C.), as indicated below.

Company Name: Lockheed Martin Missiles and Fire Control

Project No. 0830024-011-AV

Plant Name: Lockheed Martin Missiles & Fire Control, Ocala Operations

Project Name: Title V Air Operation Permit Renewal

## TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

Subject to:	Y/N	Comments
Rule 62-210.300, F.A.C. - Project Not Subject to Prevention of Significant Deterioration or Nonattainment Requirements, F.A.C.	Y	Not exempt from general permitting requirements
Rule 62-212.400, F.A.C. - Prevention of Significant Deterioration	N	Facility is not a PSD major source.
Rule 62-296.320(4), F.A.C. - General Particulate Emission Limiting Standards	Y	Facility is a source of unconfined particulate matter emissions, primarily from the grounds outside
Rules 62-296.320(1) and (2), F.A.C. - General Pollutant Emission Limiting Standards (VOCs and Odor)	Y	Facility is a source of VOC and odors.
Rule 62-296.400, F.A.C. - Stationary Source Emission Standards	N	There is no applicable source category.
Rule 62-296.500, F.A.C. - Reasonably Available Control Technology (VOC)	N	Marion County is an attainment area for ozone.
Rule 62-296.700, F.A.C. - Reasonably Available Control Technology (PM)	N	There is no applicable source category.
Rule 62-204.800, F.A.C. - Standards of Performance for New Stationary Sources (NSPS)	N	There is no applicable source category.
Rule 62-204.800, F.A.C. National Emission Standard for Hazardous Air Pollutants (NESHAPS - 40 CFR 61)	N	There is no applicable source category.
Rule 62-204.800, F.A.C. National Emission Standard for Hazardous Air Pollutants for Source Categories a.k.a. MACT (NESHAPS - 40 CFR 63)	Y	EU No. 018 is subject to 40 CFR 63, Subpart A- General Provisions, 40 CFR 63, Subpart GG. The emergency generator is subject to 40 CFR 63, Subpart ZZZZ.
Chapter 62-213, F.A.C. - Operation Permits for Major Sources of Air Pollution.	Y	Facility is a Title V major source.
Rule 62-297.310, F.A.C. - General Compliance Test Requirements, F.A.C.	Y	EPA Method 9 testing is required for EU No. 018.

Company Name: Lockheed Martin Missiles and Fire Control

Project No. 0830024-011-AV

Plant Name: Lockheed Martin Missiles & Fire Control, Ocala Operations

Project Name: Title V Air Operation Permit Renewal

## TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

### IV. Summary of Emissions

Pollutant	EU No. and brief description	Potential Emissions (tpy)	Allowable Emissions (tpy)
VOC	018- General Assembly and Electronic Component Manufacturing Operations located in buildings 1, 2, 3 and 4.	130.0	81.2
HAPs	018- General Assembly and Electronic Component Manufacturing Operations located in buildings 1, 2, 3 and 4.	130.0	81.2
VE	018- General Assembly and Electronic Component Manufacturing Operations located in buildings 1, 2, 3 and 4.	100 % opacity	20% opacity limit for facility.

### V. Federal NSPS and/or NESHAP Provisions

- A. 40 CFR 63, Subpart A – General Provisions;
- B. 40 CFR 63 Subpart GG – National Emission Standard for Aerospace Manufacturing and Rework Facilities; and
- C. 40 CFR 63, Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants: Stationary Reciprocating Internal Combustion Engines

### VI. Conclusions

The emission limits proposed by the applicant will meet all of the requirements of Chapters 62-204 through 297, F.A.C.

The General and Specific Conditions listed in the proposed permit (attached) will assure compliance with all the applicable requirements of Chapters 62-204 through 297, F.A.C.

### VII. Preliminary Determination

The Department makes a preliminary determination that the proposed project will comply with all applicable state and federal air pollution regulations as conditioned by the draft permit. This determination is based on a technical review of the complete application,

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Company Name: Lockheed Martin Missiles and Fire Control

Project No. 0830024-011-AV

Plant Name: Lockheed Martin Missiles & Fire Control, Ocala Operations

Project Name: Title V Air Operation Permit Renewal

## **TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION**

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reasonable assurances provided by the applicant, and the conditions specified in the draft permit. Additional details of this analysis may be obtained by contacting the project engineer at the Florida Department of Environmental Protection Air Resource Management, Central District, 3319 Maguire Blvd., Ste. 232, Orlando, FL 32803-3767.

Pursuant to Section 403.087, Florida Statutes and Section 62-4.070, Florida Administrative Code, the Department hereby gives notice of its intent to issue a permit to operate the aforementioned air pollution source in accordance with the draft permit and its conditions as stipulated (see attached).

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Company Name: Lockheed Martin Missiles and Fire Control

Plant Name: Lockheed Martin Missiles & Fire Control, Ocala Operations

Project No. 0830024-011-AV

Project Name: Title V Air Operation  
Permit Renewal

## STATEMENT OF BASIS

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### 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 two small natural gas-fired boilers locate 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. A third natural gas-fired boiler is scheduled to be installed by the end of 2010.

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 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).

## STATEMENT OF BASIS

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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.

### 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  
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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## ***DRAFT PERMIT***

**PERMITTEE:**

Lockheed Martin Missiles and Fire Control  
498 Oak Road  
Ocala, Florida 34472-3099

Permit No. 0830024-011-AV

Lockheed Martin Missiles & Fire Control, Ocala Operations  
Facility ID No. 0830024  
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: TBD

Renewal Application Due Date: TBD

Expiration Date: TBD

***DRAFT***

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Caroline D. Shine  
District Air Program Administrator  
Central District

CDS/jr

**SECTION I. FACILITY INFORMATION.**

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**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 two 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. A third natural gas-fire boiler is scheduled to be installed by the end of 2010.

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.

**Subsection B. Summary of Emissions Units.**

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

## SECTION I. FACILITY INFORMATION.

### **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.

<b>Regulation</b>	<b>EU No.</b>
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.

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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.
- 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.

## SECTION II. FACILITY-WIDE CONDITIONS.

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[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 1<sup>st</sup> 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 1<sup>st</sup> 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 TV18**)  
[62-4.090, F.A.C.]
- 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 two 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. A third natural gas-fire boiler is scheduled to be installed by the end of 2010.</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 <b>heavier-than-air</b> 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 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>

## SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

### Subsection A. Emissions Unit 018

#### 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 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.

**SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.**

**Subsection A. Emissions Unit 018**

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 <sub>2</sub> 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.

(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.

## SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

### Subsection A. Emissions Unit 018

(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. H<sub>2</sub>O) 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 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.

## SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

### Subsection A. Emissions Unit 018

#### 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.

(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) through (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.

**SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.**

**Subsection A. Emissions Unit 018**

(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).

(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:

<b>EPA Method</b>	<b>Description of Method and Comments</b>
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.]

## SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

### Subsection A. Emissions Unit 018

- 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.]
- 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.]

**SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.**

**Subsection A. Emissions Unit 018**

**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 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)]

**SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.**

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**Subsection A. Emissions Unit 018**

- 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.**

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##### **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.**

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**The Following Attachments Are Included for Applicant Convenience:**

Table H, Permit History