TO: John Turner, Central District
FROM: Scott Sheplak
DATE: October 28, 1997

SUBJECT: Pre-draft Title V Permit
Lockheed Martin Electronic and Missiles, 0830024-005-AV

Thank you for submitting your pre-drafts. Per our telephone conversation this morning, my comments on each pre-draft are below.

Notification memos and electronic exchange. After each permit has been signed and clerked, send the electronic permit files to Elizabeth Walker for posting onto the FDEP web site. Also, please be sure to complete the "Application Summary Form" in ARMS.

Intent to Issue W/ Public Notice

1. The following EPA address should be referenced (last paragraph in the intent and last paragraph of the public notice) 401 M. Street, SW, Washington, D.C. 20460.

DRAFT Permit

2. Condition A1. appears to contain a typo- change "are" to "at".
3. For your use, Cindy Phillip's unit prepared canned conditions for the Aerospace NESHAP, 40CFR63, Subpart GG. Contact Cindy if you need the location.

Good job on this one.

CERTIFIED MAIL
P 173 656 003

Robert Keymont,
Vice President of Production Operations and Procurement
Lockheed Martin Electronics and Missiles
5600 Sand Lake Road
Orlando, Florida 32819-8907

Re: DRAFT Title V Permit No: 0830024-005-AV
Oak Road Facility

Dear Mr. Keymont:

One copy of the DRAFT Title V Air Operation Permit for the Lockheed Martin Electronics and Missiles facility located at 498 Oak Road, Ocala, Marion County, is enclosed. The permitting authority's "INTENT TO ISSUE TITLE V AIR OPERATION PERMIT" and the "PUBLIC NOTICE OF INTENT TO ISSUE TITLE V AIR OPERATION PERMIT" are also included.

The "PUBLIC NOTICE OF INTENT TO ISSUE TITLE V AIR OPERATION PERMIT" must be published as soon as possible upon receipt of this letter. Proof of publication, i.e., newspaper affidavit, must be provided to the permitting authority's office within 7 (seven) days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit.

Please submit any written comments you wish to have considered concerning the permitting authority's proposed action to Alan Zahm P.E., at the above letterhead address. If you have any other questions, please contact John Turner at 407/893-3334.

Sincerely,

L.T. Kozlov, P.E.
Program Administrator
Air Resources Management

LTK/az

Enclosures

In the Matter of an
Application for Permit by:

Lockheed Martin Electronics and Missiles
5600 Sand Lake Road
Orlando, Florida 32819-8907
Attention: Robert Keymont,
Vice President of Production Operations and Procurement

DRAFT Permit No.: 0830024-005-AV
Oak Road Facility
Marion County

INTENT TO ISSUE TITLE V AIR OPERATION PERMIT

The Florida Department of Environmental Protection (permitting authority) gives notice of its intent to issue a Title V air operation permit (copy of DRAFT Permit attached) for the Title V source detailed in the application specified above, for the reasons stated below.

The applicant, Lockheed Martin Electronics and Missiles, applied on June 13, 1996, to the permitting authority for a Title V air operation permit for the Oak Road Facility located at 498 Oak Road, Ocala, Marion County.

The permitting authority has permitting jurisdiction under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, and 62-213. This source is not exempt from Title V permitting procedures. The permitting authority has determined that a Title V air operation permit is required to commence or continue operations at the described facility.

The permitting authority intends to issue this Title V air operation permit based on the belief that reasonable assurances have been provided to indicate that operation of the source will not adversely impact air quality, and the source will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-256, 62-257, 62-281, 62-296, and 62-297, F.A.C.

Pursuant to Sections 403.815 and 403.0872, F.S., and Rules 62-103.150 and 62-210.350(3), F.A.C., you (the applicant) are required to publish at your own expense the enclosed "PUBLIC NOTICE OF INTENT TO ISSUE TITLE V AIR OPERATION PERMIT." The 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. For the purpose of these rules, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. Where there is more than one newspaper of general circulation in the county, the newspaper used must be one with significant circulation in the area that may be affected by the permit. If you are uncertain that a newspaper meets these requirements, please contact the permitting authority at the address or telephone number listed below. The applicant shall provide proof of publication to the permitting authority's office, 3319 Maguire Boulevard, Suite 232, Orlando, Florida 32803, Telephone: 407/894-7555, Fax: 407/897-5963 within 7 (seven) days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit pursuant to Rule 62-103.150(6), F.A.C.

The permitting authority will issue the Title V PROPOSED Permit, and subsequent Title V FINAL Permit, in accordance with the conditions of the enclosed Title V DRAFT Permit unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The permitting authority will accept written comments concerning the proposed permit issuance action for a period of 30 (thirty) days from the date of publication of the "PUBLIC NOTICE OF INTENT TO ISSUE TITLE V AIR OPERATION PERMIT." Written comments should be provided to

the permitting authority office. Any written comments filed shall be made available for public inspection. If

written comments received result in a significant change in this DRAFT Permit, the permitting authority shall issue a Revised DRAFT Permit and require, if applicable, another Public Notice.

The permitting authority will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57, F.S. Mediation under Section 120.573, F.S., will not be available for this proposed action.

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 (received) in the Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, FL 32399-3000, Telephone: 850/488-9730, Fax: 850/487-4938. Petitions filed by the permit applicant or any of the parties listed below must be filed within 14 (fourteen) days of receipt of this notice of intent. Petitions filed by any other person must be filed within 14 (fourteen) days of publication of the public notice or within 14 (fourteen) days of receipt of this notice of intent, whichever occurs first. A petitioner must 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 will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-5.207, F.A.C.

A petition must contain the following information:

(a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Permit File Number, and the county in which the project is proposed;

(b) A statement of how and when each petitioner received notice of the permitting authority's action or proposed action;

(c) A statement of how each petitioner's substantial interests are affected by the permitting authority's action or proposed action;

(d) A statement of the material facts disputed by the petitioner, if any;

(e) A statement of the facts that the petitioner contends warrant reversal or modification of the permitting authority's action or proposed action;

(f) A statement identifying the rules or statutes that the petitioner contends require reversal or modification of the permitting authority's action or proposed action; and,

(g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wants the permitting authority to take with respect to the action or proposed action addressed in this notice of intent.

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 notice of intent. 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.

In addition to the above, a person subject to regulation has a right to apply to the Department of Environmental Protection for a variance from or waiver of the requirements of particular rules, on certain conditions, under Section 120.542, F.S. The relief provided by this state statute applies only to state rules, not statutes, and not to any federal regulatory requirements. Applying for a variance or waiver does not substitute or extend the time for filing a petition for an administrative hearing or exercising any other right that a person may have in relation to the action proposed in this notice of intent.

The application for a variance or waiver is made by filing a petition with the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. The petition must specify the following information:

(a) The name, address, and telephone number of the petitioner;

(b) The name, address, and telephone number of the attorney or qualified representative of the petitioner, if any;

(c) Each rule or portion of a rule from which a variance or waiver is requested;

(d) The citation to the statute underlying (implemented by) the rule identified in (c) above;

(e) The type of action requested;

(f) The specific facts that would justify a variance or waiver for the petitioner;

(g) The reason why the variance or waiver would serve the purposes of the underlying statute (implemented by the rule); and,

(h) A statement whether the variance or waiver is permanent or temporary and, if temporary, a statement of the dates showing the duration of the variance or waiver requested.

The Department will grant a variance or waiver when the petition demonstrates both that the application of the rule would create a substantial hardship or violate principles of fairness, as each of those terms is defined in Section 120.542(2), F.S., and that the purpose of the underlying statute will be or has been achieved by other means by the petitioner.

Persons subject to regulation pursuant to any federally delegated or approved air program should be aware that Florida is specifically not authorized to issue variances or waivers from any requirements of any such federally delegated or approved program. The requirements of the program remain fully enforceable by the Administrator of the United States Environmental Protection Agency and by any person under the Clean Air Act unless and until the Administrator separately approves any variance or waiver in accordance with the procedures of the federal program.

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 (sixty) days of the expiration of the Administrator's 45 (forty-five) day review period as established at 42 U.S.C. Section 7661d(b)(1), to object to issuance of any permit. Any petition shall be based only on objections to the permit that were raised with reasonable specificity during the 30 (thirty) day public comment period provided in this 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 SW, Washington, D.C. 20460.

Executed in Orlando, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

L.T. Kozlov, P.E.
Program Administrator
Air Resources Management

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this INTENT TO ISSUE TITLE V AIR OPERATION PERMIT (including the PUBLIC NOTICE and the DRAFT permit) and all copies were sent by certified mail before the close of business on _____ to the person(s) listed:

Robert Keymont, Vice President of Production Operations and Procurement
Lockheed Martin Electronics and Missiles
5600 Sand Lake Road
Orlando, Florida 32819-8907

In addition, the undersigned duly designated deputy agency clerk hereby certifies that copies of this INTENT TO ISSUE TITLE V AIR OPERATION PERMIT (including the PUBLIC NOTICE and the DRAFT permit) were sent by U.S. mail on the same date to the person(s) listed, or as otherwise noted:

David A. Buff, P.E.
Golder Associates
6241 NW 23rd Street, Suite 500
Gainesville, Florida 32653-1500

Mark Swearingen, Chief Environmental Management
Lockheed Martin Electronics and Missiles
498 Oak Road
Ocala, Florida 34472-3099

Carla E. Pierce, U.S. EPA, Region 4 (INTERNET E-mail Memorandum)
Yolanda Adams, U.S. EPA, Region 4 (INTERNET E-mail Memorandum)

Clerk Stamp

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

_____ _____
Clerk Date

PUBLIC NOTICE OF INTENT TO ISSUE TITLE V AIR OPERATION PERMIT

Florida Department of Environmental Protection
Central District

Title V DRAFT Permit No.: 0830024-005-AV
Oak Road Facility
Marion County

The Florida Department of Environmental Protection, Central District (permitting authority) gives notice of its intent to issue a Title V air operation permit to the Lockheed Martin Electronics and Missiles located at 498 Oak Road, Ocala, Marion County. The facility produces printed circuit boards for the aerospace industry. The facility consists of four production buildings. The applicant's name and address are: Lockheed Martin Electronics and Missiles, 5600 Sand Lake Road, Orlando, Florida 32819-8907, to the attention of Robert Keymont, Vice President of Production and Procurement.

The permitting authority will issue the Title V PROPOSED Permit, and subsequent Title V FINAL Permit, in accordance with the conditions of the enclosed Title V DRAFT Permit unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The permitting authority will accept written comments concerning the proposed Title V DRAFT Permit issuance action for a period of 30 (thirty) days from the date of publication of this Notice. Written comments should be provided to the permitting authority's office. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in this DRAFT Permit, the permitting authority shall issue a Revised DRAFT Permit and require, if applicable, another Public Notice.

The permitting authority will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to Sections 120.569 and 120.57, F.S. Mediation under Section 120.573, F.S., will not be available for this proposed action.

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 (received) in the Office of General Counsel at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, Telephone: 850/894-7555, Fax: 850/897-5963. Petitions must be filed within 14 (fourteen) days of publication of the public notice or within 14 (fourteen) days of receipt of the notice of intent, whichever occurs first. A petitioner must 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 applicable 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 will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-5.207 of the Florida Administrative Code.

A petition must contain the following information:

(a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Permit File Number, and the county in which the project is proposed;

(b) A statement of how and when each petitioner received notice of the permitting authority's action or proposed action;

(c) A statement of how each petitioner's substantial interests are affected by the permitting authority's action or proposed action;

(d) A statement of the material facts disputed by the petitioner, if any;

(e) A statement of the facts that the petitioner contends warrant reversal or modification of the permitting authority's action or proposed action;

(f) A statement identifying the rules or statutes that the petitioner contends require reversal or modification of the permitting authority's action or proposed action; and,

(g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wants the permitting authority to take with respect to the action or proposed action addressed in this notice of intent.

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 notice of intent. 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.

In addition to the above, pursuant to 42 United States Code (U.S.C.) Section 7661d(b)(2), any person may petition the Administrator of the EPA within 60 (sixty) days of the expiration of the Administrator's 45 (forty-five) day review period as established at 42 U.S.C. Section 7661d(b)(1), to object to issuance of any permit. Any petition shall be based only on objections to the permit that were raised with reasonable specificity during the 30 (thirty) day public comment period provided in this 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 SW, Washington, D.C. 20460.

A complete project file is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

Permitting Authority:
Florida Department of Environmental Protection
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803
Telephone: 407/894-7555
Fax: 407/897-5963

The complete project file includes the Draft Permit, the application, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact Alan Zahm P.E., at the above address, or call 407/893-3334, for additional information.

Section I. Facility Information.

Subsection A. Facility Description.

The permittee may operate a printed circuit board and electrical component manufacturing operation in Buildings 1, 2, 3, and 4, a hot water generator, two air strippers, and NESHAP surface coating and flush cleaning operations.

Building 1 contains the printed circuit board and electrical component manufacturing operations which include photo development, routing metal finishing, plasma etching, electroless and electrolytic plating, chemical etching, and silk screening. Operations in Buildings 2 and 3 involve component manufacturing activities which include 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 thirty-one rood vents and fugitive pathways.

The hot water generator located in building 1 provides hot water to processes within Buildings 1, 2, and 3. The hot water generator is fired by no. 2 distillate fuel oil. Fuel for the hot water generator is supplied from an above ground fuel oil storage tank located adjacent to Building 1.

In Building 4, final manufacturing assembly activities include circuit card assemblies, electronic component assemblies degreasing, spot cleaning, oven drying, and touch-up painting. A paint spray booth is used to apply primer and top coat to fully-built navigation and targeting modules for fighter aircraft. The spray booth is equipped with a paint arrestor. the painting operations along with flush cleaning of the spray guns are subject to the Aerospace manufacturing NESHAP, 40 CFR 63 Subpart GG. The sources within Building 4 are vented by eleven stacks and fugitive pathways.

Cannot confirm developed by Cindi's group

Vapor degreasing performed in Buildings 2, 3, and 4 is done using heavier than air cleaners in vapor degreaser which have free board chillers and closing covers. These vapor degreasers are exempt from permitting.

Air strippers #3 and #4 remove traces of volatile organic compounds (VOC) from groundwater. The design flow of each stripper is 250 gallons per minute and 8000 cubic feet of ambient air. Groundwater is stored in 15,000 gallon tank and the air stripped wastewater is stored in two 159,000 gallon tanks for sampling and analysis prior to discharge to a permitted underground injection well.

Based on the initial Title V permit application received June 13, 1996, this facility is a major source of hazardous air pollutants (HAPs).

Subsection B. Summary of Emissions Unit ID No(s). and Brief Description(s).

E.U. ID No./Brief Description	
007	Hot Water Generator
012	Air Strippers 3&4
017	Printed Circuit Board Manufacturing (Buildings 1,2,3, and 4)

Please reference the Permit No., Facility ID No., and appropriate Emissions Unit(s) ID No(s). on all correspondence, test report submittals, applications, etc.

Subsection C. Relevant Documents.

The documents listed below are not a part of this permit, however, are specifically related to this permitting action.

These documents are provided to the permittee for information purposes only:
Appendix A-1, Abbreviations, Acronyms, Citations, and Identification Numbers
Appendix H-1, Permit History/ID Number Changes

These documents are on file with permitting authority:
Initial Title V Permit Application received June 13, 1996.

Section II. Facility-wide Conditions.

The following conditions apply facility-wide:

1. APPENDIX TV-1, TITLE V CONDITIONS (version dated 8/11/97), is a part of this permit. APPENDIX TV-1, TITLE V CONDITIONS, is distributed to the permittee only. Other persons requesting copies of these conditions shall be provided one copy when requested or otherwise appropriate.

2. Not Federally Enforceable. General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited. The permittee shall not cause, suffer, allow, or permit the discharge of air pollutants which cause or contribute to an objectionable odor.
[Rule 62-296.320(2), F.A.C.]

3. General Particulate Emission Limiting Standards. General Visible Emissions Standard. Except for emissions units that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart (20 percent opacity). EPA Method 9 is the method of compliance pursuant to Rule 62-297, F.A.C.
[Rule 62-296.320(4)(b)1. & 4., F.A.C.]

4. Prevention of Accidental Releases (Section 112(r) of CAA). If required by 40 CFR 68, the permittee shall submit to the implementing agency:

a. a risk management plan (RMP) when, and if, such requirement becomes applicable; and
b. certification forms and/or RMPs according to the promulgated rule schedule.

[40 CFR 68]

5. Exempt Emissions Units and/or Activities. Appendix E-1, List of Exempt Emissions Units and/or Activities, is a part of this permit.
[Rules 62-213.440(1), 62-213.430(6), and 62-4.040(1)(b), F.A.C.]

6. General Pollutant Emission Limiting Standards. 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 (VOC) or organic solvents (OS) 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 VOC's,
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.]

7. Reasonable precautions to prevent emissions of unconfined particulate matter at this facility may include the following on an as-needed basis:

a) Use of high efficiency spray guns
b) Maintain filter in good working order

[Rule 62-296.320(4)(c)2., F.A.C.]

8. When appropriate, any recordings, monitoring, or reporting requirements that are time-specific shall be in accordance with the effective date of the permit, which defines day one.
[Rule 62-213.440, F.A.C.]

9. The permittee shall submit all compliance related notifications and reports required of this permit to the Department's Central District Office:

Florida Department of Environmental Protection
Central District Office
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803
Telephone: 407/894-7555
Fax: 407/897-5963

10. Any reports, data, notifications, certifications, and requests required to be sent to the United States Environmental Protection Agency, Region 4, should be sent to:

United States Environmental Protection Agency
Region 4
Air, Pesticides & Toxics Management Division
Operating Permits Section
61 Forsyth Street
Atlanta, Georgia 30303
Telephone: 404/562-9099
Fax: 404/562-9095

Section III. Emissions Unit(s) and Conditions.

Subsection A. This section addresses the following emissions unit(s).

E.U. ID No./ Brief Description
007 Hot Water Generator.

The hot water generator located in building 1 provides hot water to processes within Buildings 1, 2, and 3. The hot water generator is fired by no. 2 distillate fuel oil. Fuel for the hot water generator is supplied from an above ground fuel oil storage tank located adjacent to Building 1.

The following conditions apply to the emissions unit(s) listed above:

Essential Potential to Emit (PTE) Parameters

A1. Capacity. The hot water generator is permitted to use number 2 fuel oil at a rate limited to 146,000 gallons per twelve consecutive months.
[Rule 62-210.200, (PTE), F.A.C. and construction permit AC42-122255]

A2. Hours of Operation. Each unit is allowed to operate 5824 hours per twelve consecutive months.
[Rule 62-210.200, (PTE), F.A.C. and construction permit AC42-122255]

A3. Emissions Unit Operating Rate Limitation After Testing. See specific condition no. D8.
[Rule 62-297.310(2), F.A.C.]

Emission Limitations and Standards

A4. Visible emission limit is described in Facility wide conditions #3, page 4.
[Rule 62-296.320(4)(b)1., F.A.C.]

Section III. Emissions Unit(s) and Conditions.

Subsection B. This section addresses the following emissions unit(s).

E.U. ID No./ Brief Description
012 Air Strippers #3 and #4

The permittee may operate air strippers #3 and #4 to remove traces of volatile organic compounds (VOC) from groundwater. The design flow of the stripper is 250 gallons per minute and 8000 cubic feet of ambient air. Groundwater is stored in 15,000 gallon tank and the air stripped wastewater is stored in two 159,000 gallon tanks for sampling and analysis prior to discharge to a permitted underground injection well.

The following conditions apply to the emissions unit(s) listed above:

Essential Potential to Emit (PTE) Parameters

B1. Capacity. The groundwater flow is limited to 2,190,000 gallons per twelve consecutive months.
[Rule 62-210.200, (PTE), F.A.C. and construction permit AC42-122255]

B2. Hours of Operation. Each unit is allowed to operate continuously.
[Rule 62-210.200, (PTE), F.A.C. and construction permit AC42-122255]

B3. Emissions Unit Operating Rate Limitation After Testing. See specific condition no. D8.
[Rule 62-297.310(2), F.A.C.]

Emission Limitations and Standards

B4. Visible emission limit is described in Facility wide conditions #3, page 4. ——— appropriate ?
[Rule 62-296.320(4)(b)1., F.A.C.]

Section III. Emissions Unit(s) and Conditions.

Subsection C. This section addresses the following emissions unit(s).

E.U. ID No./ Brief Description
017 Printed Circuit Board Manufacturing (Buildings 1,2,3, and 4)

Building 1 contains the printed circuit board and electrical component manufacturing operations which include photo development, routing metal finishing, plasma etching, electroless and electrolytic plating, chemical etching, and silk screening. Operations in Buildings 2 and 3 involve component manufacturing activities which include 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 thirty-one rood vents and fugitive pathways.

In Building 4, final manufacturing assembly activities include circuit card assemblies, electronic component assemblies degreasing, spot cleaning, oven drying, and touch-up painting. A paint spray booth is used to apply primer and top coat to fully-built navigation and targeting modules for fighter aircraft. The spray booth is equipped with a paint arrestor. the painting operations along with flush cleaning of the spray guns are subject to the Aerospace manufacturing NESHAP, 40 CFR 63 Subpart GG. The sources within Building 4 are vented by eleven stacks and fugitive pathways.

Vapor degreasing performed in Buildings 2, 3, and 4 is done using heavier than air cleaners in vapor degreaser which have free board chillers and closing covers. These vapor degreasers are exempt from permitting.

The following conditions apply to the emissions unit(s) listed above:

Essential Potential to Emit (PTE) Parameters

C1. 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. is limited to 130 tons per twelve consecutive months.
[Rule 62-210.200, (PTE), F.A.C. and construction permit 0830024-003-AC]

C2. Hours of Operation. Each unit is allowed to operate continuously.
[Rule 62-210.200, (PTE), F.A.C. and construction permit 0830024-003-AC]

C3. Emissions Unit Operating Rate Limitation After Testing. See specific condition no. D8.
[Rule 62-297.310(2), F.A.C.]

Emission Limitations and Standards

appropriate?

C4. Visible emission limit is described in Facility wide conditions #3, page 4.
[Rule 62-296.320(4)(b)1., F.A.C.]

C5. 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 be equal or exceed 81.2 tons per twelve consecutive months.
[Construction permit 0830024-003-AC]

C6. The low volume coating of primers, topcoats, and chemical milling allow the facility to be exempt from requirements 40 CFR 63.745 and 63.747 since the monthly usage is less the 50 gallons and the annual usage is less than 200 gallons.
[Rule 40 CFR 63.741(g), Applicability and designation of affected sources]

C7. Spray Gun Cleaning, 40 CFR 63.744 Standards

(a) Housekeeping measures. Each permittee of a new or existing cleaning operation subject to this subpart shall comply with the requirements in this paragraphs 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 930C (2000F) (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 200C (3.75 in. H_2O at 680F). These cleaners also contain no HAP or ozone depleting compounds.

(1) Place solvent-laden cloth, paper, or any other absorbent applicators used for cleaning aerospace vehicles or components in bags or other closed containers immediately after use. 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) Store fresh and spent cleaning solvents used in aerospace cleaning operations in closed containers.

(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.
[40 CFR 63.744(a)]

(b) Hand-wipe cleaning. Each permittee of a new or existing hand-wipe cleaning operation (excluding cleaning of spray gun equipment performed in accordance with paragraph (c)(3) 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 no HAP or VOC are exempt from the requirements in paragraphs (b)(1), (b)(2), and (b)(3).

(1) Meet one of the composition requirements in Table 3;

(2) Have a composite vapor pressure of 45 mm Hg (24.1 in. H_2O) or less at 200C (680F); 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. The alternative plan shall be submitted by the State under section 112(l) of the Act and approved by the Permitting authority, and shall demonstrate that the 60% volume reduction in cleaning solvents provides equivalent reductions to the requirements in paragraph (b)(1) or (b)(2).
[40 CFR 63.744(b)]

(c) Spray gun cleaning. Each permittee 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.

(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)]

C8. 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)]

Section III. Emissions Unit(s) and Conditions.

Subsection D. Common Conditions

E.U. ID No./ Brief Description

007	Hot Water Generator
012	Air Strippers 3&4
017	Printed Circuit Board Manufacturing (Buildings 1,2,3, and 4)

The following conditions apply to the emissions unit(s) listed above:

Test Methods and Procedures

D1. The two paint spray booths, the coating machine in the Conformal Coating Area, and the router and driller vents in Building #1 shall demonstrate compliance with its visible emission limit in accordance with EPA Method 9 prior to permit expiration date. The test period shall be a minimum of 30 minutes.
[Rules 62-297.401, 62-297.310(4)(a)2., and 62-297.310(7)(a)4.a., F.A.C.]

D2. DEP Method 9. The provisions of EPA Method 9 (40CFR60, Appendix A) are adopted by reference with the following exceptions:
a) EPA Method 9, Section 2.4, Recording Observations. Opacity observations shall be made and recorded by a certified observer at sequential fifteen second intervals during the required period of observation.
b) EPA Method 9, Section 2.5, Data Reduction. For a set of observations to be acceptable, the observer shall have made and recorded, or verified the recording of, at least 90 percent of the possible individual observations during the required observation period. For single-valued opacity standards (e.g. 20 percent opacity), the test result shall be the highest valid six-minute average for the set of observations taken. For multiple-valued opacity standards (e.g. 20 percent opacity, except that an opacity of 40 percent is permissible for not more than two minutes per hour) opacity shall be computed as follows:

1) For the basic part of the standard (i.e., 20 percent opacity) the opacity shall be determined as specified above for a single-valued opacity standard.
2) For the short-term average part of the standard, opacity shall be the highest valid short-term average (i.e., two-minute, three-minute average) for the set of observations taken.

In order to be valid, any required average (i.e., a six-minute or two-minute average) shall be based on all of the valid observations in the sequential subset of observations selected, and the selected subset shall contain at least 90 percent of the observations possible for the required averaging time. Each required average shall be calculated by summing the opacity value of each of the valid observations in the subset, dividing this sum by the number of valid observations in

the subset, and rounding the result to the nearest whole number. The number of missing observations in the subset shall be indicated in parenthesis after the subset average value. [Rule 62-297.401, F.A.C.]

D3. At least 15 days prior to the date on which each formal compliance test is due to begin, the permittee shall provide written notification of the test to the Air Resources compliance section of this office.. The notification must include the following information: the date, time and location of each test; the name and telephone number of the facility's contact person who will be responsible for coordinating the test; and the name, company, and telephone number of the person conducting the test.
[Rule 62-297.310(7)(a)9, F.A.C.]

D4. 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

D5. 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

D6. In order to demonstrate compliance with conditions no. A1, A2, B1, and C1, 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
- VOC emission rate

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

D7. Supporting documentation, such as Material Safety Data Sheets, purchase orders, 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.]

D8. A DEP Form No. 62-210.900(5), "Annual Operating Report for Air Pollutant Emitting Facility" including the Emissions Report, shall be completed for each calendar year on or before March 1 of the following year and submitted to the Air Resources compliance section of this office.
[Rule 62-210.370(3), F.A.C.]

AOR see TV-1

D9. Reports of the required test report shall be filed with the Air Resources compliance section of this office as soon as practical but no later than 45 days after the last test is completed.
[Rules 62-297.310(8), F.A.C.]

D10. At least 180 days prior to the expiration date of this operation permit, the permittee shall submit to this office four air permit applications, DEP Form No. 62-210.900(1). [Rule 62-4.090(1), F.A.C.]

see TV-1

D11. 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 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 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)]

Appendix H-1, Permit History/ID Number Changes

Lockheed Martin Electronics and Missile
Oak Road Facility

DRAFT Permit No.: 0830024-005-AV
Facility ID No.: 0830024

Permit History (for tracking purposes):

E.U. ID No.	Description	Permit No.	Issue Date	Expiration Date	Extended Date[1, 2]	Revised Date(s)
-007	Hot Water Boiler	AO42-209923	08/26/92	07/30/97		
		AC42-122255	10/27/86	05/01/87		
-012	Air Strippers #3 and #4	AO42-182583	08/24/90	07/25/95		
		AC42-164971	10/02/89	07/31/94		
-017	Printed Circuit Board Manufacturing	0830024-003-AV	04/22/96	03/31/01		
		AC42-266907	07/07/95	11/15/98		2/13/96
		AC42-230902	09/22/93	09/22/98		05/03/93
						02/28/94
		AC42-222604	03/01/93	03/11/95		
		AO42-219692	08/31/93	12/30/97		01/19/94
		AO42-169553	03/23/90	03/20/95		
		AO42-137541	11/23/87	11/09/92		
		AC42-130271	04/20/8X			
		AO42-130264	05/26/87	05/10/92		11/07/91
		AO42-094247	11/28/84	11/20/89		05/21/87
		AO42-094246	11/28/84	11/20/89		
		AO42-025936	01/09/80	01/04/85		
		AO42-025935	01/09/80	01/01/85		
		AC42-016864	04/27/79	09/01/79		

Notes:
1 - AO permit(s) automatic extension(s) in Rule 62-210.300(2)(a)3.a., F.A.C., effective 03/21/96.
2 - AC permit(s) automatic extension(s) in Rule 62-213.420(1)(a)4., F.A.C., effective 03/20/96.
{Rule 62-213.420(1)(b)2., F.A.C., effective 03/20/96, allows Title V Sources to operate under existing valid permits}

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
CENTRAL DISTRICT
3319 MAGUIRE BOULEVARD, SUITE 232
ORLANDO, FLORIDA 32803-3767

ROUTING AND TRANSMITTAL FORM

TO: (NAME, OFFICE, LOCATION)

Bruce Mitchell, ENV ADM

ARM BAR TL MAGNO MS 5505

FROM: Theresa Bouldin
Air Resources Management
Permitting
Central District
Florida Department of
Environmental Protection

PHONE: SunCom 325-3334
(407) 893-3334

DATE: October 14, 1997

STATEMENT OF BASIS

Lockheed Martin Electronics and Missiles
Oak Road Facility
Facility ID No.: 0830024
Marion County

Initial Title V Air Operation Permit
PROPOSED Permit No.: 0830024-005-AV

This 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, and 62-213. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the permitting authority, in accordance with the terms and conditions of this permit.

The permittee operates a printed circuit board and electrical component manufacturing operation in Buildings 1, 2, 3, and 4, a hot water boiler, two air strippers, and NESHAP surface coating and flush cleaning operations. The facility is subject to a VOC emission limit of 81.2 tons per consecutive twelve months. In addition to the VOC limit, the facility performs a primer and top coat application to fully built navigation and targeting modules for fighter aircraft. These operations are subject to NESHAP surface coating subject to Subpart GG. The appropriate specific conditions are contained in the subsection describing the printed circuit board manufacturing.

Also included in this permit are miscellaneous exempt emission units and/or activities.

Based on the initial Title V permit application received June 13, 1996, this facility is a major source of hazardous air pollutants (HAPs).

Lockheed Martin Electronics and Missiles Picher Industries
Oak Road Facility
Facility ID No.: 0830024
Lake County

Initial Title V Air Operation Permit
PROPOSED Permit No.: 0830024-005-AV

Permitting Authority:
Florida Department of Environmental Protection
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803
Telephone: 407/894-7555
Fax: 407/897-5963

Department of Environmental Protection

Lawton Chiles
Governor

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Virginia B. Wetherell
Secretary

Permittee:
Lockheed Martin Electronics and Missiles
5600 Sand Lake Road
Orlando, Florida 32819-8907

PROPOSED Permit No.0830024-005-AV
Facility ID No.: 0830024
SIC Nos.: 36, 3761, 3672
Project: Initial Title V Air Operation Permit

Attn.: Robert Keymont,
Vice President of Electronics and Procurement

This permit is for the operation of the Marion Facility. This facility is located at 498 Oak Road, Ocala, Marion County; UTM Coordinates: Zone 17, 402.7 km East and 3218 km North; Latitude: 29° 05' 17" North and Longitude: 82° 00' 00" West.

STATEMENT OF BASIS: This 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, and 62-213. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the permitting authority, in accordance with the terms and conditions of this permit.

Referenced attachments made a part of this permit:
Appendix E-1, List of Exempt Emissions Units and/or Activities
APPENDIX TV-1, TITLE V CONDITIONS, to permittee only

Effective Date:
Renewal Application Due: September 30, 2000
Expiration Date: March 30, 2001

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

L.T. Kozlov, P.E.
Program Administrator
Air Resources Management

LTK/azt

Initial Title V Air Operation Permit
PROPOSED Permit No.: 0830024-005-AV

Table of Contents

Section I. Facility Information.

Subsection A. Facility Description.

The permittee may operate a printed circuit board and electrical component manufacturing operation in Buildings 1, 2, 3, and 4, a hot water generator, two air strippers, and NESHAP surface coating and flush cleaning operations.

Building 1 contains the printed circuit board and electrical component manufacturing operations which include photo development, routing metal finishing, plasma etching, electroless and electrolytic plating, chemical etching, and silk screening. Operations in Buildings 2 and 3 involve component manufacturing activities which include 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 thirty-one rood vents and fugitive pathways.

The hot water generator located in building 1 provides hot water to processes within Buildings 1, 2, and 3. The hot water generator is fired by no. 2 distillate fuel oil. Fuel for the hot water generator is supplied from an above ground fuel oil storage tank located adjacent to Building 1.

In Building 4, final manufacturing assembly activities include circuit card assemblies, electronic component assemblies degreasing, spot cleaning, oven drying, and touch-up painting. A paint spray booth is used to apply primer and top coat to fully-built navigation and targeting modules for fighter aircraft. The spray booth is equipped with a paint arrestor. The painting operations along with flush cleaning of the spray guns are subject to the Aerospace manufacturing NESHAP, 40 CFR 63 Subpart GG. The sources within Building 4 are vented by eleven stacks and fugitive pathways.

Vapor degreasing performed in Buildings 2, 3, and 4 is done using heavier than air cleaners in vapor degreaser which have free board chillers and closing covers. These vapor degreasers are exempt from permitting.

Air strippers No. 3 and No. 4 remove traces of volatile organic compounds (VOC) from groundwater. The design flow of each Stripper is 250 gallons per minute and 8,000 cubic feet per minute of ambient air. Groundwater is treated by air stripping and then discharged to an underground injection well.

Based on the initial Title V permit application received June 13, 1996, this facility is a major source of hazardous air pollutants (HAPs).

Subsection B. Summary of Emissions Unit ID No(s). and Brief Description(s).

E.U. ID No./Brief Description	
007	Hot Water Generator
012	Air Strippers 3&4
017	Printed Circuit Board Manufacturing (Buildings 1,2,3, and 4)

Please reference the Permit No., Facility ID No., and appropriate Emissions Unit(s) ID No(s). on all correspondence, test report submittals, applications, etc.

Subsection C. Relevant Documents.

The documents listed below are not a part of this permit, however, are specifically related to this permitting action.

These documents are provided to the permittee for information purposes only:
Appendix A-1, Abbreviations, Acronyms, Citations, and Identification Numbers
Appendix H-1, Permit History/ID Number Changes

These documents are on file with permitting authority:
Initial Title V Permit Application received June 13, 1996.

Section II. Facility-wide Conditions.

The following conditions apply facility-wide:

1. APPENDIX TV-1, TITLE V CONDITIONS (version dated 8/11/97), is a part of this permit. APPENDIX TV-1, TITLE V CONDITIONS, is distributed to the permittee only. Other persons requesting copies of these conditions shall be provided one copy when requested or otherwise appropriate.

2. Not Federally Enforceable. General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited. The permittee shall not cause, suffer, allow, or permit the discharge of air pollutants which cause or contribute to an objectionable odor.
[Rule 62-296.320(2), F.A.C.]

3. General Particulate Emission Limiting Standards. General Visible Emissions Standard. Except for emissions units that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart (20 percent opacity). EPA Method 9 is the method of compliance pursuant to Rule 62-297, F.A.C.
[Rule 62-296.320(4)(b)1. & 4., F.A.C.]

4. Prevention of Accidental Releases (Section 112(r) of CAA). If required by 40 CFR 68, the permittee shall submit to the implementing agency:

a. a risk management plan (RMP) when, and if, such requirement becomes applicable; and
b. certification forms and/or RMPs according to the promulgated rule schedule.

[40 CFR 68]

5. Exempt Emissions Units and/or Activities. Appendix E-1, List of Exempt Emissions Units and/or Activities, is a part of this permit.
[Rules 62-213.440(1), 62-213.430(6), and 62-4.040(1)(b), F.A.C.]

6. General Pollutant Emission Limiting Standards. 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 (VOC) or organic solvents (OS) 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 VOC's,
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.]

7. Reasonable precautions to prevent emissions of unconfined particulate matter at this facility may include the following on an as-needed basis:

a) Use of high efficiency spray guns
b) Maintain filter in good working order

[Rule 62-296.320(4)(c)2., F.A.C.]

8. When appropriate, any recordings, monitoring, or reporting requirements that are time-specific shall be in accordance with the effective date of the permit, which defines day one.
[Rule 62-213.440, F.A.C.]

9. The permittee shall submit all compliance related notifications and reports required of this permit to the Department's Central District Office:

Florida Department of Environmental Protection
Central District Office
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803
Telephone: 407/894-7555
Fax: 407/897-5963

10. Any reports, data, notifications, certifications, and requests required to be sent to the United States Environmental Protection Agency, Region 4, should be sent to:

United States Environmental Protection Agency
Region 4
Air, Pesticides & Toxics Management Division
Operating Permits Section
61 Forsyth Street
Atlanta, Georgia 30303
Telephone: 404/562-9099
Fax: 404/562-9095

Section III. Emissions Unit(s) and Conditions.

Subsection A. This section addresses the following emissions unit(s).

E.U. ID No./ Brief Description
007 Hot Water Generator.

The hot water generator located in building 1 provides hot water to processes within Buildings 1, 2, and 3. The hot water generator is fired by no. 2 distillate fuel oil. Fuel for the hot water generator is supplied from an above ground fuel oil storage tank located adjacent to Building 1.

The following conditions apply to the emissions unit(s) listed above:

Essential Potential to Emit (PTE) Parameters

A1. Capacity. The hot water generator is permitted to use number 2 fuel oil are a rate limited to 146,000 gallons per twelve consecutive months.
[Rule 62-210.200, (PTE), F.A.C. and construction permit AC42-122255]

A2. Hours of Operation. Each unit is allowed to operate 5824 hours per twelve consecutive months.
[Rule 62-210.200, (PTE), F.A.C. and construction permit AC42-122255]

A3. Emissions Unit Operating Rate Limitation After Testing. See specific condition no. D8.
[Rule 62-297.310(2), F.A.C.]

Emission Limitations and Standards

A4. Visible emission limit is described in Facility wide conditions #3, page 4.
[Rule 62-296.320(4)(b)1., F.A.C.]

Section III. Emissions Unit(s) and Conditions.

Subsection B. This section addresses the following emissions unit(s).

E.U. ID No./ Brief Description
012 Air Strippers #3 and #4

The permittee may operate air strippers #3 and #4 to remove traces of volatile organic compounds (VOC) from groundwater. The design flow of the stripper is 250 gallons per minute and 8000 cubic feet of ambient air. Groundwater is stored in 15,000 gallon tank and the air stripped wastewater is stored in two 159,000 gallon tanks for sampling and analysis prior to discharge to a permitted underground injection well.

The following conditions apply to the emissions unit(s) listed above:

Essential Potential to Emit (PTE) Parameters

B1. Capacity. The total combined groundwater flow is limited to 263 million gallons per twelve consecutive months.
[Rule 62-210.200, (PTE), F.A.C. and construction permit AC42-122255]

B2. Hours of Operation. Each unit is allowed to operate continuously.
[Rule 62-210.200, (PTE), F.A.C. and construction permit AC42-122255]

B3. Emissions Unit Operating Rate Limitation After Testing. See specific condition no. D8.
[Rule 62-297.310(2), F.A.C.]

Emission Limitations and Standards

B4. Visible emission limit is described in Facility wide conditions #3, page 4.
[Rule 62-296.320(4)(b)1., F.A.C.]

Section III. Emissions Unit(s) and Conditions.

Subsection C. This section addresses the following emissions unit(s).

E.U. ID No./ Brief Description
017 Printed Circuit Board Manufacturing (Buildings 1,2,3, and 4)

Building 1 contains the printed circuit board and electrical component manufacturing operations which include photo development, routing metal finishing, plasma etching, electroless and electrolytic plating, chemical etching, and silk screening. Operations in Buildings 2 and 3 involve component manufacturing activities which include 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 thirty-one rood vents and fugitive pathways.

In Building 4, final manufacturing assembly activities include circuit card assemblies, electronic component assemblies degreasing, spot cleaning, oven drying, and touch-up painting. A paint spray booth is used to apply primer and top coat to fully-built navigation and targeting modules for fighter aircraft. The spray booth is equipped with a paint arrestor. the painting operations along with flush cleaning of the spray guns are subject to the Aerospace manufacturing NESHAP, 40 CFR 63 Subpart GG. The sources within Building 4 are vented by eleven stacks and fugitive pathways.

Vapor degreasing performed in Buildings 2, 3, and 4 is done using heavier than air cleaners in vapor degreaser which have free board chillers and closing covers. These vapor degreasers are exempt from permitting.

The following conditions apply to the emissions unit(s) listed above:

Essential Potential to Emit (PTE) Parameters

C1. 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 manufacturing sources in buildings 1,2,3, and 4 excluding the metal finishing operations in building 1, is limited to 130 tons per twelve consecutive months.
[Rule 62-210.200, (PTE), F.A.C. and construction permit 0830024-003-AC]

C2. Hours of Operation. Each unit is allowed to operate continuously.
[Rule 62-210.200, (PTE), F.A.C. and construction permit 0830024-003-AC]

C3. Emissions Unit Operating Rate Limitation After Testing. See specific condition no. D8.
[Rule 62-297.310(2), F.A.C.]

Emission Limitations and Standards

C4. Visible emission limit is described in Facility wide conditions #3, page 4.
[Rule 62-296.320(4)(b)1., F.A.C.]

C5. 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 be equal or exceed 81.2 tons per twelve consecutive months.
[Construction permit 0830024-003-AC]

C6. The low volume coating of primers, topcoats, and chemical milling allow the facility to be exempt from requirements 40 CFR 63.745 and 63.747 since the monthly 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]

C7. Spray Gun Cleaning, 40 CFR 63.744 Standards

(a) Housekeeping measures. Each permittee of a new or existing cleaning operation subject to this subpart shall comply with the requirements in this paragraphs 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 930C (2000F) (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 200C (3.75 in. H_2O at 680F). These cleaners also contain no HAP or ozone depleting compounds.

(1) Place solvent-laden cloth, paper, or any other absorbent applicators used for cleaning aerospace vehicles or components in bags or other closed containers immediately after use. 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) Store fresh and spent cleaning solvents used in aerospace cleaning operations in closed containers.

(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.
[40 CFR 63.744(a)]

(b) Hand-wipe cleaning. Each permittee of a new or existing hand-wipe cleaning operation (excluding cleaning of spray gun equipment performed in accordance with paragraph (c)(3) 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 no HAP or VOC are exempt from the requirements in paragraphs (b)(1), (b)(2), and (b)(3).

(1) Meet one of the composition requirements in Table 3;

(2) Have a composite vapor pressure of 45 mm Hg (24.1 in. H_2O) or less at 200C (680F); 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. The alternative plan shall be submitted by the State under section 112(l) of the Act and approved by the Permitting authority, and shall demonstrate that the 60% volume reduction in cleaning solvents provides equivalent reductions to the requirements in paragraph (b)(1) or (b)(2).
[40 CFR 63.744(b)]

(c) Spray gun cleaning. Each permittee 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.

(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 fun and direct the resulting atomized spray into a waste container that is fitted with a device designed to capture the atomized solvent emissions.

C8. 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)]

Section III. Emissions Unit(s) and Conditions.

Subsection D. Common Conditions

E.U. ID No./ Brief Description
007 Hot Water Generator
012 Air Strippers 3&4
017 Printed Circuit Board Manufacturing (Buildings 1,2,3, and 4)

The following conditions apply to the emissions unit(s) listed above:

Test Methods and Procedures

D1. The two paint spray booths, the coating machine in the Conformal Coating Area, and the router and driller vents in Building #1 shall demonstrate compliance with its visible emission limit in accordance with EPA Method 9 prior to permit expiration date. The test period shall be a minimum of 30 minutes.
[Rules 62-297.401, 62-297.310(4)(a)2., and 62-297.310(7)(a)4.a., F.A.C.]

D2. DEP Method 9. The provisions of EPA Method 9 (40CFR60, Appendix A) are adopted by reference with the following exceptions:
a) EPA Method 9, Section 2.4, Recording Observations. Opacity observations shall be made and recorded by a certified observer at sequential fifteen second intervals during the required period of observation.

b) EPA Method 9, Section 2.5, Data Reduction. For a set of observations to be acceptable, the observer shall have made and recorded, or verified the recording of, at least 90 percent of the possible individual observations during the required observation period. For single-valued opacity standards (e.g. 20 percent opacity), the test result shall be the highest valid six-minute average for the set of observations taken. For multiple-valued opacity standards (e.g. 20 percent opacity, except that an opacity of 40 percent is permissible for not more than two minutes per hour) opacity shall be computed as follows:

1) For the basic part of the standard (i.e., 20 percent opacity) the opacity shall be determined as specified above for a single-valued opacity standard.
2) For the short-term average part of the standard, opacity shall be the highest valid short-term average (i.e., two-minute, three-minute average) for the set of observations taken.

In order to be valid, any required average (i.e., a six-minute or two-minute average) shall be based on all of the valid observations in the sequential subset of observations selected, and the selected subset shall contain at least 90 percent of the observations possible for the required averaging time. Each required average shall be calculated by summing the opacity value of each of the valid observations in the subset, dividing this sum by the number of valid observations in the subset, and rounding the result to the nearest whole number. The number of missing observations in the subset shall be indicated in parenthesis after the subset average value.
[Rule 62-297.401, F.A.C.]

D3. At least 15 days prior to the date on which each formal compliance test is due to begin, the permittee shall provide written notification of the test to the Air Resources compliance section of this office.. The notification must include the following information: the date, time and location of each test; the name and telephone number of the facility's contact person who will be responsible for coordinating the test; and the name, company, and telephone number of the person conducting the test.
[Rule 62-297.310(7)(a)9, F.A.C.]

D4. 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

D5. 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

D6. In order to demonstrate compliance with condition no. A1, A2, B1, C1, and C5, 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

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

D7. Supporting documentation, such as Material Safety Data Sheets, purchase orders, 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.]

D8. A DEP Form No. 62-210.900(5), "Annual Operating Report for Air Pollutant Emitting Facility" including the Emissions Report, shall be completed for each calendar year on or before March 1 of the following year and submitted to the Air Resources compliance section of this office.
[Rule 62-210.370(3), F.A.C.]

D9. Reports of the required test report shall be filed with the Air Resources compliance section of this office as soon as practical but no later than 45 days after the last test is completed.
[Rules 62-297.310(8), F.A.C.]

D10. At least 180 days prior to the expiration date of this operation permit, the permittee shall submit to this office four air permit applications, DEP Form No. 62-210.900(1). [Rule 62-4.090(1), F.A.C.]

D11. 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 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 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)]

Appendix E-1, List of Exempt Emissions Units and/or Activities.

Lockheed Martin Electronics and Missiles
Ocala Facility

Proposed Permit No.: 0830024-008-AV
Facility ID No.: 0830024

The below listed emissions units and/or activities are hereby exempt pursuant to Rules 62-213.430(6), and 62-4.040(1)(b), F.A.C.

Brief Description of Emissions Units and/or Activities

None were described in the application

Appendix H-1, Permit History/ID Number Changes

Lockheed Martin Electronics and Missile
Oak Road Facility

Proposed No.: 0830024-005-AV
Facility ID No.: 0830024

Permit History (for tracking purposes):

E.U. ID No.	Description	Permit No.	Issue Date	Expiration Date	Extended Date[1, 2]	Revised Date(s)
-007	Hot Water Boiler	AO42-209923	08/26/92	07/30/97		
		AC42-122255	10/27/86	05/01/87		
-012	Air Strippers #3 and #4	AO42-182583	08/24/90	07/25/95		
		AC42-164971	10/02/89	07/31/94		
-017	Printed Circuit Board Manufacturing	0830024-003-AV	04/22/96	03/31/01		
		AC42-266907	07/07/95	11/15/98		2/13/96
		AC42-230902	09/22/93	09/22/98		05/03/93
						02/28/94
		AC42-222604	03/01/93	03/11/95		
		AO42-219692	08/31/93	12/30/97		01/19/94
		AO42-169553	03/23/90	03/20/95		
		AO42-137541	11/23/87	11/09/92		
		AC42-130271	04/20/8X			
		AO42-130264	05/26/87	05/10/92		11/07/91
		AO42-094247	11/28/84	11/20/89		05/21/87
		AO42-094246	11/28/84	11/20/89		
		AO42-025936	01/09/80	01/04/85		
		AO42-025935	01/09/80	01/01/85		
		AC42-016864	04/27/79	09/01/79		

Notes:
1 - AO permit(s) automatic extension(s) in Rule 62-210.300(2)(a)3.a., F.A.C., effective 03/21/96.
2 - AC permit(s) automatic extension(s) in Rule 62-213.420(1)(a)4., F.A.C., effective 03/20/96.
{Rule 62-213.420(1)(b)2., F.A.C., effective 03/20/96, allows Title V Sources to operate under existing valid permits}