



# Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Bob Martinez, Governor

Dale Twachtman, Secretary

John Shearer, Assistant Secretary

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION  
NOTICE OF PERMIT

Mr. Roy T. Boyd III  
Chief Executive Officer  
Mark III Industries  
5401 NW 44th Avenue  
Ocala, Florida 32675

January 26, 1990

Enclosed is construction permit No. AC 42-170842 for Mark III Industries to modify the existing woodworking shop operations and to permit the wastewood chipper at their facility in Ocala, Marion County, Florida. This permit is issued pursuant to Section 403, Florida Statutes.

Any party to this permit has the right to seek judicial review of the permit pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date this permit is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

  
C. H. Fancy, P.E.  
Chief  
Bureau of Air Regulation

Copy furnished to:

B. Thomas, SW District  
D. Gaboardi, Mark III Ind.  
D. R. Kirby, P.E., JEG, Inc.  
T. P. Oxford, JEG, Inc.

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this NOTICE OF PERMIT and all copies were mailed before the close of business on 1-26-90.

FILING AND ACKNOWLEDGEMENT  
FILED, on this date, pursuant to  
§120.52(9), Florida Statutes, with  
the designated Department Clerk,  
receipt of which is hereby  
acknowledged.

Kim J. Ober  
Clerk

1-26-90  
Date

Final Determination

Mark III Industries  
Marion County  
Ocala, Florida

Construction Permit No.  
AC 42-170842

Department of Environmental Regulation  
Division of Air Resources Management  
Bureau of Air Regulation

January 19, 1990

## Final Determination

The construction permit application has been reviewed by the Department. Public Notice of the Department's Intent to Issue was published in The Ocala Star-Banner on December 25, 1989. The Technical Evaluation and Preliminary Determination were available for public inspection at the DER's Southwest District office and Bureau of Air Regulation office.

There were no comments received on the proposed action. Therefore, it is recommended that the proposed construction permit be issued as drafted.

**PROOF OF PUBLICATION**  
**THE OCALA STAR-BANNER**  
 Published—Daily  
 OCALA, MARION COUNTY, FLORIDA

STATE OF FLORIDA,  
 COUNTY OF MARION.

Before me the undersigned authority personally appeared Lynn Maxwell, who on oath says that he is Classified manager of the Ocala Star-Banner, a daily newspaper published at Ocala, in Marion County, Florida; that the attached copy of advertisement, being a notice in the matter of #CM014-Notice of Intent \_\_\_\_\_ in the \_\_\_\_\_ Court, was published in said newspaper in the issues of December 25, 1989

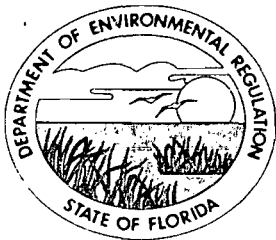
Affiant further says that the said THE OCALA STAR-BANNER is a daily newspaper published at Ocala, in said Marion County, Florida, and that the said newspaper has heretofore been continuously published in said Marion County, Florida, daily, and has been entered as second class mail matter at the post office in Ocala, in said Marion County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he has neither paid nor promised any person, firm or cooperation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Lynn Maxwell

Sworn to and subscribed before me this 26 day of December, A.D., 1989

Kelley Vander Meer  
 (Seal) Notary Public

Department of Environmental Regulation  
**Notice of Intent to Issue**  
 The Department of Environmental Regulation hereby gives notice of its intent to issue a permit to Mark III Industries, 5401 N.W. 44th Avenue, Ocala, Florida 32675, to modify the existing woodworking shop operations and to permit the wastewood chipper, which will become a part of the woodworking shop operations. The proposed project will occur at the applicant's existing facility in Marion County, Florida. A determination of Best Available Control Technology (BACT) was not required. The Department is issuing this Intent to Issue for the reasons stated in the Technical Evaluation and Preliminary Determination.  
 A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within fourteen (14) days of publication of this notice. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.  
 The petition shall contain the following information:  
 (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department 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 Department's action or proposed action;  
 (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;  
 (d) A statement of the material facts disputed by Petitioner, if any;  
 (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;  
 (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and  
 (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.  
 If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the petition taken by it in this Notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of publication of this notice in the Office of General Counsel of the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.  
 The application is available for public inspection during business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:  
 Department of Environmental Regulation  
 Bureau of Air Regulation  
 2600 Blair Stone Road  
 Tallahassee, Florida 32399-2400  
 Department of Environmental Regulation  
 Southwest District  
 4520 Oak Fair Boulevard  
 Tampa, Florida 33610-7347  
 Any person may send written comments on the proposed action to Mr. Bill Thomas at the Department's Tallahassee address. All comments mailed within 14 days of the publication of this notice will be considered in the Department's final determination.



# Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

**PERMITTEE:**

Mark III Industries  
5401 N.W. 44th Avenue  
Ocala, Florida 32675

Permit Number: AC 42-170842

Expiration Date: June 30, 1990

County: Marion

Latitude/Longitude: 29°11'00"N  
82°15'24"W

Project: Woodworking Shop  
Operations & Associated Baghouse  
Control System

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code (F.A.C.) Chapters 17-2 and 17-4. 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 Department and made a part hereof and specifically described as follows:

For modifications to the existing woodworking shop to increase the hours of operation and production rate and to permit the existing wastewood chipper, which will be connected to the existing baghouse control system servicing the woodworking shop operations and will become a part of the woodworking shop operations.

The UTM coordinates are Zone 17, 377.81 km East and 3228.77 km North.

The Standard Classification Codes are:

- o 3-07-008-98 Sawing:Baghouse Exhaust (BE) (10<sup>3</sup> Board feet)
- o 3-07-008-98 Sanding/Planing:BE (10<sup>3</sup> Board feet)
- o 3-07-030-98 Sanding/Planing:Operations (10<sup>3</sup> Board feet)
- o 3-07-020-99 Wastewood Chipper:BE (Tons Produced)
- o 3-07-008-99 Wastewood Chipper:BE (Tons Produced)

The source shall be constructed in accordance with the permit application, plans, documents, amendments and drawings, except as otherwise noted in the General and Specific Conditions.

Attachments are listed below:

1. Application to Construct Air Pollution Sources, DER Form 17-1.202(1), received September 29, 1989.
2. Mr. R. Thad Boyd III's letter with attachments received October 26, 1989.

PERMITTEE:  
Mark III Industries

Permit Number: AC 42-170842  
Expiration Date: June 30, 1990

Attachments Continued:

3. Mr. C. H. Fancy's letter dated October 27, 1989.
4. F.A.C. Chapter 17-2 dated October, 1989.
5. F.A.C. Chapter 17-4 dated September 13, 1989.
6. 40 CFR 60, Appendix A; July 1, 1988 version.
7. Technical Evaluation and Preliminary Determination dated December 8, 1989.

PERMITTEE:  
Mark III Industries

Permit Number: AC 42-170842  
Expiration Date: June 30, 1990

**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.

4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.



PERMITTEE:  
Mark III Industries

Permit Number: AC 42-170842  
Expiration Date: June 30, 1990

**GENERAL CONDITIONS:**

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:

- a. Have access to and copy any records that must be kept under the conditions of the permit;
- b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

PERMITTEE:  
Mark III Industries

Permit Number: AC 42-170842  
Expiration Date: June 30, 1990

**GENERAL CONDITIONS:**

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.120 and 17-30.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. The permittee shall comply with the following:

a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.

b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and

PERMITTEE:  
Mark III Industries

Permit Number: AC 42-170842  
Expiration Date: June 30, 1990

**GENERAL CONDITIONS:**

records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.

c. Records of monitoring information shall include:

- the date, exact place, and time of sampling or measurements;
- the person responsible for performing the sampling or measurements;
- the dates analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- the results of such analyses.

14. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

**SPECIFIC CONDITIONS:**

1. Permitted hours of operations are 24 hrs/day, 7 days/wk, and 51 wks/yr, for a total of 8,568 hrs/yr.
2. The total allowable particulate matter (PM) emissions from the baghouse control system shall not exceed 6.4 lbs/hr and 27.4 TPY.
3. Visible emissions (VE) shall be less than 20% opacity pursuant to F.A.C. Rule 17-2.610(2).
4. Initial and annual PM and VE compliance tests shall be conducted concurrently and using EPA Reference Methods 5 and 9, respectively, in accordance with F.A.C. Rule 17-2.700(6) and 40 CFR 60, Appendix A (July 1, 1988 version).
5. Objectionable odors shall not be allowed off plant property in accordance with F.A.C. Rule 17-2.620(2).

PERMITTEE:  
Mark III Industries

Permit Number: AC 42-170842  
Expiration Date: June 30, 1990

**SPECIFIC CONDITIONS:**

6. The woodworking shop operations are subject to the provisions of F.A.C. Rules 17-2.240: Circumvention; 17-2.250: Excess Emissions; and, 17-4.130: Plant Operations-Problems.

7. The woodworking shop operations are subject to all applicable provisions of F.A.C. Chapters 17-2 and 17-4.

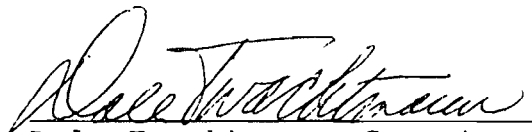
8. The Department's Southwest District office shall be notified in writing at least 15 days prior to conducting compliance tests in accordance with F.A.C. Rule 17-2.700(2)(a). The test reports shall be submitted to the Department's Southwest District office no later than 45 days after the last sampling run of each test is completed in accordance with F.A.C. Rule 17-2.700(7).

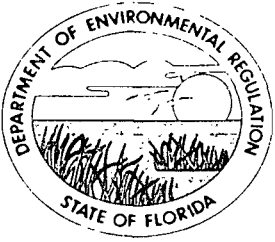
9. The permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the Bureau of Air Regulation prior to 60 days before the expiration of the permit (F.A.C. Rule 17-4.090).

10. An application for an operation permit must be submitted to the Southwest District office at least 90 days prior to the expiration date of this construction permit or within 45 days after completion of compliance testing, whichever occurs first. To properly apply for an operation permit, the applicant shall submit the appropriate application form, fee, certification that construction was completed noting any deviations from the conditions in the construction permit, and compliance test reports as required by this permit (F.A.C. Rule 17-4.220).

Issued this 22 day  
of Jan, 1990

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

  
Dale Twachtmann, Secretary



# Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Bob Martinez, Governor

Dale Twachmann, Secretary

John Shearer, Assistant Secretary

December 8, 1989

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. Roy T. Boyd III  
Chief Executive Officer  
Mark III Industries  
5401 N.W. 44th Avenue  
Ocala, Florida 32675

Dear Mr. Boyd:

Attached is one copy of the Technical Evaluation and Preliminary Determination and proposed permit for Mark III Industries to modify the existing woodworking shop operations and to permit the wastewood chipper, which will become a part of the woodworking shop operations.

Please submit any written comments you wish to have considered concerning the Department's proposed action to Mr. Bill Thomas of the Bureau of Air Regulation.

Sincerely,

C. H. Fancy, P.E.  
Chief

Bureau of Air Regulation

CHF/BM/plm

Attachments

c: B. Thomas, SW District  
D. Gaboardi, Mark III Ind.  
D. R. Kirby, P.E., JEG, Inc.  
T. P. Oxford, JEG, Inc.

BEFORE THE STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

In the Matter of  
Application for Permit by:

Mark III Industries  
5401 N.W. 44th Avenue  
Ocala, Florida 32675

DER File No. AC 42-170342

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INTENT TO ISSUE

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit (copy attached) for the proposed project as detailed in the application specified above. The Department is issuing this Intent to Issue for the reasons stated in the attached Technical Evaluation and Preliminary Determination.

The applicant, Mark III Industries, applied on September 29, 1989, to the Department of Environmental Regulation for a permit to modify the existing woodworking shop operations and to permit the wastewood chipper, which will become a part of the woodworking shop operations. The proposed project will occur at the applicant's existing facility located in Ocala, Marion County, Florida.

The Department has permitting jurisdiction under Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 and 17-4. The project is not exempt from permitting procedures. The Department has determined that an air construction permit is required for the proposed work.

Pursuant to Section 403.815, F.S. and DER Rule 17-103.150, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Notice of Intent to Issue Permit. The notice shall be published one time only within 30 days, in the legal ad section of a newspaper of general circulation in the area affected. For the purpose of this rule, "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. The applicant shall provide proof of publication to the Department, at the address specified within 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.

The Department will issue the permit with the attached conditions unless a petition for an administrative proceeding (hearing) is filed pursuant to the provisions of Section 120.57, F.S.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions filed by the permit applicant and the parties listed below must be filed within 14 days of receipt of this intent. Petitions filed by other persons must be filed within 14 days of publication of the public notice or within 14 days of receipt of this intent, whichever first occurs. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information;

(a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department 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 Department's action or proposed action;

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

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

(e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;

(f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and

(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of publication of this notice in the Office in General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such

person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION



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C. H. Fancy, P.E.  
Chief  
Bureau of Air Regulation

Copies furnished to:

B. Thomas, SW District  
D. Gaboardi, Mark III Ind.  
D. R. Kirkby, P.E., JEG, Inc.  
T. P. Oxford, JEG, Inc.



CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this NOTICE OF INTENT TO ISSUE and all copies were mailed before the close of business on 12-11-89.

FILING AND ACKNOWLEDGEMENT  
FILED, on this date, pursuant to  
§120.52(9), Florida Statutes, with  
the designated Department Clerk,  
receipt of which is hereby  
acknowledged.

Jim Ober  
Clerk

12-11-89  
Date

State of Florida  
Department of Environmental Regulation  
Notice of Intent to Issue

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit to Mark III Industries, 5401 N.W. 44th Avenue, Ocala, Florida 32675, to modify the existing woodworking shop operations and to permit the wastewood chipper, which will become a part of the woodworking shop operations. The proposed project will occur at the applicant's existing facility in Marion County, Florida. A determination of Best Available Control Technology (BACT) was not required. The Department is issuing this Intent to Issue for the reasons stated in the Technical Evaluation and Preliminary Determination.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within fourteen (14) days of publication of this notice. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department 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 Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and
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The application is available for public inspection during business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

Department of Environmental Regulation  
Bureau of Air Regulation  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Department of Environmental Regulation  
Southwest District  
4520 Oak Fair Boulevard  
Tampa, Florida 33610-7347

Any person may send written comments on the proposed action to Mr. Bill Thomas at the Department's Tallahassee address. All comments mailed within 14 days of the publication of this notice will be considered in the Department's final determination.

Technical Evaluation  
and  
Preliminary Determination

Mark III Industries  
Marion County  
Ocala, Florida

Construction Permit No.  
AC 42-170342

Department of Environmental Regulation  
Division of Air Resources Management  
Bureau of Air Regulation

December 8, 1989

I. Application

A. Applicant

Mark III Industries  
5401 NW 44th Avenue  
P. O. Box 2525  
Ocala, Florida 32678

B. Project

Due to a consent order issued by the Southwest District, the applicant has applied for an after-the-fact construction permit for a wastewood chipper and associated baghouse control system. The wastewood chipper is a support system for the existing woodworking shop located at the applicant's existing facility in Marion County. Also, a modification to the woodworking shop has been requested to increase the production rate and hours of operation.

The UTM coordinates are Zone 17, 377.81 km East and 3228.77 km North.

C. Process and Controls

The wastewood chipper will be used to reduce wood waste from the cabinet shop, which is approximately 32% of the total process input rate of wood. Approximately 10% of the wood chipped will be discharged as particulate matter (PM) fines (vendor's specifications). Forty-four (44) percent of the process input leaves the woodworking shop as product.

The control device for PM emissions and visible emissions (VE) will be the existing baghouse filter system.

D. Source Classification Codes (SCC)

The SCC for this operation are:

- o 03-07-020-99 Wastewood Chipper:Baghouse Exhaust (BE)  
(Tons Processed)
- o 03-07-008-99 Wastewood Chipper:BE (Tons Processed)
- o 03-07-008-98 Sawing:BE (10<sup>3</sup> Board Feet)
- o 03-07-008-98 Sanding/Planing:BE (10<sup>3</sup> Board Feet)
- o 03-07-030-98 Sanding/Planing:Operations (10<sup>3</sup> Board Feet)

II. Rule Applicability

The project is subject to preconstruction review pursuant to Chapter 403, Florida Statutes, and Florida Administrative Code (F.A.C.) Chapters 17-2 and 17-4.

The application package was deemed complete on October 26, 1989.

The existing facility is located in an area designated attainment for all pollutants.

The existing facility is major for volatile organic compounds (VOC) and minor for PM.

The existing woodworking shop operations had a permitted allowable emissions rate of 11.9 TPY for PM. The total allowable PM emissions increase from the modification to the woodworking shop and the after-the-fact wastewood chipper are 15.5 TPY.

Since the modifications, as a total, would be a minor modification to a minor facility, the PM emissions are subject to review in accordance with F.A.C. Rule 17-2.520, Sources Not Subject to Prevention of Significant Deterioration (PSD) or Nonattainment Requirements.

There are no specific source emission limiting standards pursuant to F.A.C. Rules 17-2.600 or 17-2.660. Therefore, the woodworking shop operations and wastewood chipper are subject to emission limiting standards pursuant to F.A.C. Rules 17-2.610(1), Process Weight Table, and 17-2.610(2), General VE Standard.

The woodworking shop operations, which includes the wastewood chipper, are subject to F.A.C. Rules 17-2.240: Circumvention; 17-2.250: Excess Emissions; and, 17-4.130: Plant Operations-Problems.

Initial and annual compliance tests for PM and VE shall be conducted concurrently using EPA Reference Methods 5 and 9, respectively, in accordance with F.A.C. Rule 17-2.700(b) and 40 CFR 60, Appendix A. The Department's Southwest District office shall be notified in writing at least 15 days prior to conducting compliance tests in accordance with F.A.C. Rule 17-2.700(2)(a). The test reports shall be submitted to the Department's Southwest District office no later than 45 days after the last sampling run of each test is completed in accordance with F.A.C. Rule 17-2.700(7).

The woodworking shop operations are subject to all applicable provisions of F.A.C. Chapters 17-2 and 17-4 and 40 CFR 60.

### III. Summary of Emission Limitations and Air Quality Analysis

#### A. Emission Limitations

Limitations for PM emissions and visible emissions are applicable to the baghouse control system associated with the woodworking shop operations as follows:

Table 1

Source	Pollutant	Maximum Allowable Emission Limitation
Woodworking Shop Operations		
Baghouse Vent	PM	6.40 lbs/hr; 27.4 TPY (Total)
	VE	less than 20% opacity

Note: Hours of operation at 24 hrs/day, 7 days/wk, and 51 wks/yr.

B. Air Quality Analysis

From a review of the application package and supplementary material, an air quality analysis was not required.

IV. Conclusion

The emission limiting standards are in compliance with F.A.C. Chapter 17-2. The General and Specific Conditions listed in the proposed permit (attached) will assure compliance with all requirements of F.A.C. Chapters 17-2 and 17-4 and 40 CFR 60.

Based on the information provided by Mark III Industries, the Department has reasonable assurance that the proposed modification to the woodworking (cabinet) shop operations and the permitting of its associated wastewood chipper, as described in this evaluation, and subject to the conditions proposed herein, will not cause or contribute to a violation of any air quality standard, PSD increment, or any other technical provision of Chapter 17-2 of the Florida Administrative Code.

*John J. Thomas*  
12/14/89



# Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

**PERMITTEE:**

Mark III Industries  
5401 N.W. 44th Avenue  
Ocala, Florida 32675

Permit Number: AC 42-170342  
Expiration Date: June 30, 1990  
County: Marion  
Latitude/Longitude: 29°11'00"N  
82°15'24"W

Project: Woodworking Shop  
Operations & Associated Baghouse  
Control System

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code (F.A.C.) Chapters 17-2 and 17-4. 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 Department and made a part hereof and specifically described as follows:

For modifications to the existing woodworking shop to increase the hours of operation and production rate and to permit the existing wastewood chipper, which will be connected to the existing baghouse control system servicing the woodworking shop operations and will become a part of the woodworking shop operations.

The UTM coordinates are Zone 17, 377.81 km East and 3228.77 km North.

The Standard Classification Codes are:

- o 3-07-008-98 Sawing:Baghouse Exhaust (BE) (10<sup>3</sup> Board feet)
- o 3-07-008-98 Sanding/Planing:BE (10<sup>3</sup> Board feet)
- o 3-07-030-98 Sanding/Planing:Operations (10<sup>3</sup> Board feet)
- o 3-07-020-99 Wastewood Chipper:BE (Tons Produced)
- o 3-07-008-99 Wastewood Chipper:BE (Tons Produced)

The source shall be constructed in accordance with the permit application, plans, documents, amendments and drawings, except as otherwise noted in the General and Specific Conditions.

Attachments are listed below:

1. Application to Construct Air Pollution Sources, DER Form 17-1.202(1), received September 29, 1989.
2. Mr. R. Thad Boyd III's letter with attachments received October 26, 1989.



PERMITTEE:  
Mark III Industries

Permit Number: AC 42-170342  
Expiration Date: June 30, 1990

Attachments Continued:

3. Mr. C. H. Fancy's letter dated October 27, 1989.
4. F.A.C. Chapter 17-2 dated October, 1989.
5. F.A.C. Chapter 17-4 dated September 13, 1989.
6. 40 CFR 60, Appendix A; July 1, 1988 version.
7. Technical Evaluation and Preliminary Determination dated December 8, 1989.

PERMITTEE:  
Mark III Industries

Permit Number: AC 42-170342  
Expiration Date: June 30, 1990

**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.

4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

PERMITTEE:  
Mark III Industries

Permit Number: AC 42-170342  
Expiration Date: June 30, 1990

**GENERAL CONDITIONS:**

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:

- a. Have access to and copy any records that must be kept under the conditions of the permit;
- b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

PERMITTEE:  
Mark III Industries

Permit Number: AC 42-170342  
Expiration Date: June 30, 1990

**GENERAL CONDITIONS:**

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.120 and 17-30.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. The permittee shall comply with the following:

- a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
- b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and

PERMITTEE:  
Mark III Industries

Permit Number: AC 42-170342  
Expiration Date: June 30, 1990

**GENERAL CONDITIONS:**

records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.

c. Records of monitoring information shall include:

- the date, exact place, and time of sampling or measurements;
- the person responsible for performing the sampling or measurements;
- the dates analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- the results of such analyses.

14. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

**SPECIFIC CONDITIONS:**

1. Permitted hours of operations are 24 hrs/day, 7 days/wk, and 51 wks/yr, for a total of 8,568 hrs/yr.
2. The total allowable particulate matter (PM) emissions from the baghouse control system shall not exceed 6.4 lbs/hr and 27.4 TPY.
3. Visible emissions (VE) shall be less than 20% opacity pursuant to F.A.C. Rule 17-2.610(2).
4. Initial and annual PM and VE compliance tests shall be conducted concurrently and using EPA Reference Methods 5 and 9, respectively, in accordance with F.A.C. Rule 17-2.700(6) and 40 CFR 60, Appendix A (July 1, 1988 version).
5. Objectionable odors shall not be allowed off plant property in accordance with F.A.C. Rule 17-2.620(2).

PERMITTEE:  
Mark III Industries

Permit Number: AC 42-170342  
Expiration Date: June 30, 1990

**SPECIFIC CONDITIONS:**

6. The woodworking shop operations are subject to the provisions of F.A.C. Rules 17-2.240: Circumvention; 17-2.250: Excess Emissions; and, 17-4.130: Plant Operations-Problems.

7. The woodworking shop operations are subject to all applicable provisions of F.A.C. Chapters 17-2 and 17-4.

8. The Department's Southwest District office shall be notified in writing at least 15 days prior to conducting compliance tests in accordance with F.A.C. Rule 17-2.700(2)(a). The test reports shall be submitted to the Department's Southwest District office no later than 45 days after the last sampling run of each test is completed in accordance with F.A.C. Rule 17-2.700(7).

9. The permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the Bureau of Air Regulation prior to 60 days before the expiration of the permit (F.A.C. Rule 17-4.090).

10. An application for an operation permit must be submitted to the Southwest District office at least 90 days prior to the expiration date of this construction permit or within 45 days after completion of compliance testing, whichever occurs first. To properly apply for an operation permit, the applicant shall submit the appropriate application form, fee, certification that construction was completed noting any deviations from the conditions in the construction permit, and compliance test reports as required by this permit (F.A.C. Rule 17-4.220).

Issued this \_\_\_\_\_ day  
of \_\_\_\_\_, 1989

**STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION**

---

Dale Twachtmann, Secretary



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DER - MAIL ROOM  
1989 SEP 28 PM 2:53

September 27, 1989

Department of Environmental Regulation  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400  
Attn: Mr. Bill Thomas

Re: Waste Wood Chipper Construction Permit Application

Dear Sir:

We submit for Department review and approval four copies of our construction permit application for a waste wood chipper. This device has been designated by Southwest District as a particulate air pollution source. An additional copy has been sent to Mr. Bill Thomas at Southwest District.

Yours Truly,  
MARK III INDUSTRIES, INC.

Thad Boyd, III  
Chief Executive Officer

TB/sa

10-6-89

Tom Obed called. To send add. info. on  
bayhouse sys to be used. *RAM*

1031

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1989 SEP 29 AM 11:40



Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

DER Form # \_\_\_\_\_
Form Title \_\_\_\_\_
Effective Date \_\_\_\_\_
DER Application No. \_\_\_\_\_

\$2500 pd.
4-29-89
Receipt # 117663

AC 42-170842

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: WOOD WORKING AREA [X] New [ ] Existing

APPLICATION TYPE: [X] Construction [ ] Operation [ ] Modification

COMPANY NAME: MARK III INDUSTRIES COUNTY: MARION

Identify the specific emission point source(s) addressed in this application (i.e. Lime Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired) WASTEWOOD CHIPPER DISCHARGE

SOURCE LOCATION: Street 5401 NW 44TH AVENUE City OCALA

UTM: East ZONE 17,377.81 KM North 3228.77 KM

Latitude 29 ° 11 ' 00 "N Longitude 82 ° 15 ' 24 "W

APPLICANT NAME AND TITLE: ROY T. BOYD III, CHIEF EXECUTIVE OFFICER

APPLICANT ADDRESS: 5401 NW 44TH AVENUE, OCALA, FLORIDA 32675

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative\* of MARK III INDUSTRIES

I certify that the statements made in this application for a CONSTRUCTION permit are true, correct and complete to the best of my knowledge and belief. Further I agree to maintain and operate the pollution control source and pollution control facilities in such a manner as to comply with the provision of Chapter 403, Florida Statutes, and all the rules and regulations of the department and revisions thereof. I also understand that a permit, if granted by the department, will be non-transferable and I will promptly notify the department upon sale or legal transfer of the permitted establishment.

\*Attach letter of authorization

Signed: [Signature]

ROY T. BOYD, CHIEF EXECUTIVE OFFICER
Name and Title (Please Type)

Date: 9-27-89 Telephone No. (904) 732-5878

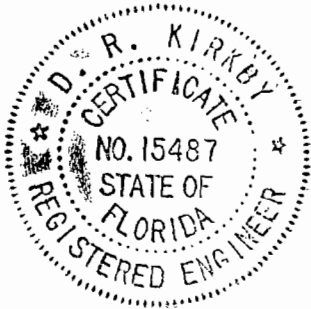
B. PROFESSIONAL ENGINEER REGISTERED IN FLORIDA (where required by Chapter 471, F.S.)

This is to certify that the engineering features of this pollution control project have been designed/examined by me and found to be in conformity with modern engineering principles applicable to the treatment and disposal of pollutants characterized in this permit application. There is reasonable assurance, in my professional judgment, that

1 See Florida Administrative Code Rule 17-2.100(57) and (104)



the pollution control facilities, when properly maintained and operated, will discharge an effluent that complies with all applicable statutes of the State of Florida and the rules and regulations of the department. It is also agreed that the undersigned will furnish, if authorized by the owner, the applicant a set of instructions for the proper maintenance and operation of the pollution control facilities and, if applicable, pollution sources.



Signed David R. Kirkby

DAVID R. KIRKBY  
Name (Please Type)

JACOBS ENGINEERING GROUP INC.  
Company Name (Please Type)

P. O. BOX 2008, LAKELAND, FLORIDA 33806-2008  
Mailing Address (Please Type)

Florida Registration No. PE 0015487 Date: 12/31/88 Telephone No. (813)665-1511

**SECTION II: GENERAL PROJECT INFORMATION**

A. Describe the nature and extent of the project. Refer to pollution control equipment, and expected improvements in source performance as a result of installation. State whether the project will result in full compliance. Attach additional sheet if necessary.

CONTROL OF DUST FROM THE OPERATION OF WASTEWOOD CHIPPER BY USE OF A BAGHOUSE FILTER SYSTEM.  
EMISSIONS FROM BAGHOUSE WILL FULLY COMPLY WITH THE STATE OPERATING PERMIT.

B. Schedule of project covered in this application (Construction Permit Application Only)

Start of Construction \_\_\_\_\_ Completion of Construction \_\_\_\_\_

C. Costs of pollution control system(s): (Note: Show breakdown of estimated costs only for individual components/units of the project serving pollution control purposes. Information on actual costs shall be furnished with the application for operation permit.)

COST OF MURPHY ROGERS BAGHOUSE AND INSTALLATION WAS \$30,000, 1984 DOLLARS.

D. Indicate any previous DER permits, orders and notices associated with the emission point, including permit issuance and expiration dates.

E. Requested permitted equipment operating time: hrs/day 20; days/wk 6; wks/yr 51; if power plant, hrs/yr N/A; if seasonal, describe: \_\_\_\_\_

F. If this is a new source or major modification, answer the following questions. (Yes or No)

- 1. Is this source in a non-attainment area for a particular pollutant? NO
  - a. If yes, has "offset" been applied? \_\_\_\_\_
  - b. If yes, has "Lowest Achievable Emission Rate" been applied? \_\_\_\_\_
  - c. If yes, list non-attainment pollutants. \_\_\_\_\_
- 2. Does best available control technology (BACT) apply to this source? If yes, see Section VI. NO
- 3. Does the State "Prevention of Significant Deterioration" (PSD) requirement apply to this source? If yes, see Sections VI and VII. NO
- 4. Do "Standards of Performance for New Stationary Sources" (NSPS) apply to this source? NO
- 5. Do "National Emission Standards for Hazardous Air Pollutants" (NESHAP) apply to this source? NO
- H. Do "Reasonably Available Control Technology" (RACT) requirements apply to this source? NO
  - a. If yes, for what pollutants? \_\_\_\_\_
  - b. If yes, in addition to the information required in this form, any information requested in Rule 17-2.650 must be submitted.

Attach all supportive information related to any answer of "Yes". Attach any justification for any answer of "No" that might be considered questionable.

**SECTION III: AIR POLLUTION SOURCES & CONTROL DEVICES (Other than Incinerators)**

**A. Raw Materials and Chemicals Used in your Process, if applicable:**

Description	Contaminants		Utilization Rate - lbs/hr	Relate to Flow Diagram
	Type	% Wt		
HARDWOOD LUMBER	N/A	N/A	9,080 LB./HR.	

**B. Process Rate, if applicable: (See Section V, Item 1)**

1. Total Process Input Rate (lbs/hr): 9,080 LB./HR.

2. Product Weight (lbs/hr): 3,995 LB./HR.

**C. Airborne Contaminants Emitted: (Information in this table must be submitted for each emission point, use additional sheets as necessary)**

Name of Contaminant	Emission <sup>1</sup>		Allowed <sup>2</sup> Emission Rate per Rule 17-2	Allowable <sup>3</sup> Emission lbs/hr	Potential <sup>4</sup> Emission		Relate to Flow Diagram
	Maximum lbs/hr	Actual T/yr			lbs/yr	T/yr	
PARTICULATE	0.32	0.98	1.15 LB/TON	5.23 LB/HR.	1,780,920	890	
			Rule 17-2.610				

<sup>1</sup>See Section V, Item 2.

<sup>2</sup>Reference applicable emission standards and units (e.g. Rule 17-2.600(5)(b)2. Table II, E. (1) - 0.1 pounds per million BTU heat input)

<sup>3</sup>Calculated from operating rate and applicable standard.

<sup>4</sup>Emission, if source operated without control (See Section V, Item 3).

D. Control Devices: (See Section V, Item 4)

Name and Type (Model & Serial No.)	Contaminant	Efficiency	Range of Particles Size Collected (in microns) (If applicable)	Basis for Efficiency (Section V Item 5)
Murphy Rogers Model #MRA 19-290+H	Particulate	99.89%	>1 Micron	Tests by Vendor

E. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	avg/hr	max./hr	

\*Units: Natural Gas--MMCF/hr; Fuel Oils--gallons/hr; Coal, wood, refuse, other--lbs/hr.

Fuel Analysis:

Percent Sulfur: \_\_\_\_\_ Percent Ash: \_\_\_\_\_

Density: \_\_\_\_\_ lbs/gal Typical Percent Nitrogen: \_\_\_\_\_

Heat Capacity: \_\_\_\_\_ BTU/lb \_\_\_\_\_ BTU/gal

Other Fuel Contaminants (which may cause air pollution): \_\_\_\_\_

F. If applicable, indicate the percent of fuel used for space heating.

Annual Average \_\_\_\_\_ Maximum \_\_\_\_\_

G. Indicate liquid or solid wastes generated and method of disposal.

Filtered material is collected in bulk and commercial carrier delivers to  
charcoal manufacturing facility.

H. Emission Stack Geometry and Flow Characteristics (Provide data for each stack):

Stack Height: \_\_\_\_\_ ft. Stack Diameter: \_\_\_\_\_ ft.  
 Gas Flow Rate: \_\_\_\_\_ ACFM \_\_\_\_\_ DSCFM Gas Exit Temperature: \_\_\_\_\_ °F.  
 Water Vapor Content: \_\_\_\_\_ % Velocity: \_\_\_\_\_ FPS

SECTION IV: INCINERATOR INFORMATION

Type of Waste	Type 0 (Plastics)	Type I (Rubbish)	Type II (Refuse)	Type III (Garbage)	Type IV (Pathological)	Type V (Liq. & Gas By-prod.)	Type VI (Solid By-prod.)
Actual lb/hr Incinerated							
Uncontrolled (lbs/hr)							

Description of Waste \_\_\_\_\_  
 Total Weight Incinerated (lbs/hr) \_\_\_\_\_ Design Capacity (lbs/hr) \_\_\_\_\_  
 Approximate Number of Hours of Operation per day \_\_\_\_\_ day/wk \_\_\_\_\_ wks/yr. \_\_\_\_\_  
 Manufacturer \_\_\_\_\_  
 Date Constructed \_\_\_\_\_ Model No. \_\_\_\_\_

	Volume (ft) <sup>3</sup>	Heat Release (BTU/hr)	Fuel		Temperature (°F)
			Type	BTU/hr	
Primary Chamber					
Secondary Chamber					

Stack Height: \_\_\_\_\_ ft. Stack Diameter: \_\_\_\_\_ Stack Temp. \_\_\_\_\_  
 Gas Flow Rate: \_\_\_\_\_ ACFM \_\_\_\_\_ DSCFM\* Velocity: \_\_\_\_\_ FPS

\*If 50 or more tons per day design capacity, submit the emissions rate in grains per standard cubic foot dry gas corrected to 50% excess air.

Type of pollution control device:  Cyclone  Wet Scrubber  Afterburner  
 Other (specify) \_\_\_\_\_

Brief description of operating characteristics of control devices: \_\_\_\_\_

Ultimate disposal of any effluent other than that emitted from the stack (scrubber water, ash, etc.):

NOTE: Items 2, 3, 4, 6, 7, 8, and 10 in Section V must be included where applicable.

#### SECTION V: SUPPLEMENTAL REQUIREMENTS

Please provide the following supplements where required for this application.

1. Total process input rate and product weight -- show derivation [Rule 17-2.100(127)]
2. To a construction application, attach basis of emission estimate (e.g., design calculations, design drawings, pertinent manufacturer's test data, etc.) and attach proposed methods (e.g., FR Part 60 Methods 1, 2, 3, 4, 5) to show proof of compliance with applicable standards. To an operation application, attach test results or methods used to show proof of compliance. Information provided when applying for an operation permit from a construction permit shall be indicative of the time at which the test was made.
3. Attach basis of potential discharge (e.g., emission factor, that is, AP42 test).
4. With construction permit application, include design details for all air pollution control systems (e.g., for baghouse include cloth to air ratio; for scrubber include cross-section sketch, design pressure drop, etc.)
5. With construction permit application, attach derivation of control device(s) efficiency. Include test or design data. Items 2, 3 and 5 should be consistent: actual emissions = potential (1-efficiency).
6. An 8 1/2" x 11" flow diagram which will, without revealing trade secrets, identify the individual operations and/or processes. Indicate where raw materials enter, where solid and liquid waste exit, where gaseous emissions and/or airborne particles are evolved and where finished products are obtained.
7. An 8 1/2" x 11" plot plan showing the location of the establishment, and points of airborne emissions, in relation to the surrounding area, residences and other permanent structures and roadways (Example: Copy of relevant portion of USGS topographic map).
8. An 8 1/2" x 11" plot plan of facility showing the location of manufacturing processes and outlets for airborne emissions. Relate all flows to the flow diagram.

9. The appropriate application fee in accordance with Rule 17-4.05. The check should be made payable to the Department of Environmental Regulation.
10. With an application for operation permit, attach a Certificate of Completion of Construction indicating that the source was constructed as shown in the construction permit.

**SECTION VI: BEST AVAILABLE CONTROL TECHNOLOGY**

A. Are standards of performance for new stationary sources pursuant to 40 C.F.R. Part 60 applicable to the source?

Yes  No

Contaminant	Rate or Concentration

B. Has EPA declared the best available control technology for this class of sources (If yes, attach copy)

Yes  No

Contaminant	Rate or Concentration

C. What emission levels do you propose as best available control technology?

Contaminant	Rate or Concentration

D. Describe the existing control and treatment technology (if any).

- |                           |                          |
|---------------------------|--------------------------|
| 1. Control Device/System: | 2. Operating Principles: |
| 3. Efficiency:*           | 4. Capital Costs:        |

\*Explain method of determining

5. Useful Life:

6. Operating Costs:

7. Energy:

8. Maintenance Cost:

9. Emissions:

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

10. Stack Parameters

a. Height: ft. b. Diameter: ft.

c. Flow Rate: ACFM d. Temperature: °F.

e. Velocity: FPS

E. Describe the control and treatment technology available (As many types as applicable, use additional pages if necessary).

1.

a. Control Device: b. Operating Principles:

c. Efficiency:<sup>1</sup> d. Capital Cost:

e. Useful Life: f. Operating Cost:

g. Energy:<sup>2</sup> h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

2.

a. Control Device: b. Operating Principles:

c. Efficiency:<sup>1</sup> d. Capital Cost:

e. Useful Life: f. Operating Cost:

g. Energy:<sup>2</sup> h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

<sup>1</sup>Explain method of determining efficiency.

<sup>2</sup>Energy to be reported in units of electrical power - KWH design rate.



- j. Applicability to manufacturing processes:
- k. Ability to construct with control device, install in available space, and operate within proposed levels:

3.

- a. Control Device:
- b. Operating Principles:
- c. Efficiency:<sup>1</sup>
- d. Capital Cost:
- e. Useful Life:
- f. Operating Cost:
- g. Energy:<sup>2</sup>
- h. Maintenance Cost:
- i. Availability of construction materials and process chemicals:
- j. Applicability to manufacturing processes:
- k. Ability to construct with control device, install in available space, and operate within proposed levels:

4.

- a. Control Device:
- b. Operating Principles:
- c. Efficiency:<sup>1</sup>
- d. Capital Costs:
- e. Useful Life:
- f. Operating Cost:
- g. Energy:<sup>2</sup>
- h. Maintenance Cost:
- i. Availability of construction materials and process chemicals:
- j. Applicability to manufacturing processes:
- k. Ability to construct with control device, install in available space, and operate within proposed levels:

F. Describe the control technology selected:

- 1. Control Device:
- 2. Efficiency:<sup>1</sup>
- 3. Capital Cost:
- 4. Useful Life:
- 5. Operating Cost:
- 6. Energy:<sup>2</sup>
- 7. Maintenance Cost:
- 8. Manufacturer:
- 9. Other locations where employed on similar processes:
  - a. (1) Company:
  - (2) Mailing Address:
  - (3) City:
  - (4) State:

<sup>1</sup>Explain method of determining efficiency.

<sup>2</sup>Energy to be reported in units of electrical power - KWH design rate.

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:<sup>1</sup>

Contaminant

Rate or Concentration


(8) Process Rate:<sup>1</sup>

b. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:<sup>1</sup>

Contaminant

Rate or Concentration


(8) Process Rate:<sup>1</sup>

10. Reason for selection and description of systems:

<sup>1</sup>Applicant must provide this information when available. Should this information not be available, applicant must state the reason(s) why.

**SECTION VII - PREVENTION OF SIGNIFICANT DETERIORATION**

**A. Company Monitored Data**

1. \_\_\_\_\_ no. sites \_\_\_\_\_ TSP \_\_\_\_\_ ( ) SO<sub>2</sub>\* \_\_\_\_\_ Wind spd/dir

Period of Monitoring \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ to \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
month day year month day year

Other data recorded \_\_\_\_\_

Attach all data or statistical summaries to this application.

\*Specify bubbler (B) or continuous (C).



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## SECTION V: SUPPLEMENTAL REQUIREMENTS

### SECTION III A. UTILIZATION RATE

$$\frac{2,458 \text{ Bft} \times \text{Ft.}^3}{\text{Hr.}} \times \frac{44.33 \text{ lb.}}{\text{Ft.}^3} = \frac{9,080 \text{ lb.}}{\text{Hr.}} \quad \text{TOTAL PROCESS INPUT RATE}$$

### SECTION III B.2 PRODUCT WEIGHT

44% of total process input leaves Cabinet Shop for sealer application

$$\frac{9,080 \text{ lb.}}{\text{Hr.}} \times 0.44 = \frac{3,995 \text{ lb.}}{\text{Hr.}} \quad \text{PRODUCT WEIGHT}$$

### SECTION III C.

#### EMISSIONS

Murphy-Rogers gives the following specifications for its Baghouse, Model No. MRA-19-290-H.

<u>Grain Size (Microns)</u>	<u>Vendor-Proven Efficiency (%)</u>	<u>Probable Chipper Discharge Dust Fraction (%)</u>	<u>Dust Fraction Passing (%)</u>
10	100	90	0
5 - 10	99	9	0.09
1 - 5	98	1	0.02
TOTAL	99.89	100	0.11

#### POTENTIAL EMISSION

32% of total process input is waste wood feed to Blow-Hog Chipper with a maximum 10% of Chipper input discharged as finely divided particles (based on vendor information).

$$\frac{9,080 \text{ lb.}}{\text{Hr.}} \times 0.32 \times 0.10 = \frac{291 \text{ lb.}}{\text{Hr.}} \quad \text{Chipper Dust}$$

$$\frac{291 \text{ lb.}}{\text{Hr.}} \times \frac{20 \text{ Hr.}}{\text{Day}} \times \frac{6 \text{ Dy.}}{\text{Wk.}} \times \frac{51 \text{ Wk.}}{\text{Yr.}} = 1,780,920 \text{ lb./Yr.}$$

$$\frac{1,780,920 \text{ lb.}}{\text{Yr.}} \times \frac{\text{Ton}}{2000 \text{ lb.}} = 890 \text{ Ton/Yr.}$$

ALLOWABLE EMISSION

$$\begin{aligned}
 E &= 3.59 (P) \ 0.62 \\
 &= 3.59 (4.54 \text{ Ton/Hr.}) \ 0.62 \\
 &= 9.17 \text{ lb./Hr.}
 \end{aligned}$$

E = Particulate Emission  
in lb./Hr.  
P = Total Process Input Rate  
in Ton/Hr.

56% of the total process input leaves as waste in two streams. One stream is the Cabinet Shop Ventilation pick-up and the other is the chipper. 57% of the total waste stream is the feed to the chipper and 43% is feed to the cabinet shop ventilation.

$$\frac{9.17 \text{ lb.}}{\text{Hr.}} \times 0.57 = 5.23 \text{ lb./Hr.} \quad \text{Particulate Emission for Chipper}$$

$$\frac{9.17 \text{ lb.}}{\text{Hr.}} \times 0.43 = 3.94 \text{ lb./Hr.} \quad \text{Particulate Emission for Cabinet Shop Ventilation Exhaust}$$

$$\frac{291 \text{ LB. CHIPPER DUST}}{\text{Hr.}} \times (0.11\% \text{ DUST FRACTION PASSING}) = \frac{0.32 \text{ lb EMISSION}}{\text{Hr.}}$$

$$\frac{0.32 \text{ LB. EMISSION}}{\text{Hr.}} \times \frac{20 \text{ Hr.}}{\text{Dy.}} \times \frac{6 \text{ Dy.}}{\text{Wk.}} \times \frac{51 \text{ Wk.}}{\text{Yr.}} \times \frac{\text{Ton}}{2000 \text{ lb.}} = \frac{0.98 \text{ TON EMISSION}}{\text{Yr.}}$$

ALLOWED EMISSION RATE

$$\text{Rule 17-2.610(1)(b)} \quad \frac{9.17 \text{ lb./Hr.}}{4.54 \text{ Ton/Hr.}} = \frac{2.02 \text{ lb. Particulate Em.}}{\text{Ton of Process Input}}$$

SPECIFICATIONS FOR MURPHY-ROGERS BAGHOUSE

Model No. MRA-19-290-H

Number of Bags

100

Bag Size

6" x 96"

Cloth Area Ft.<sup>2</sup>/Bag

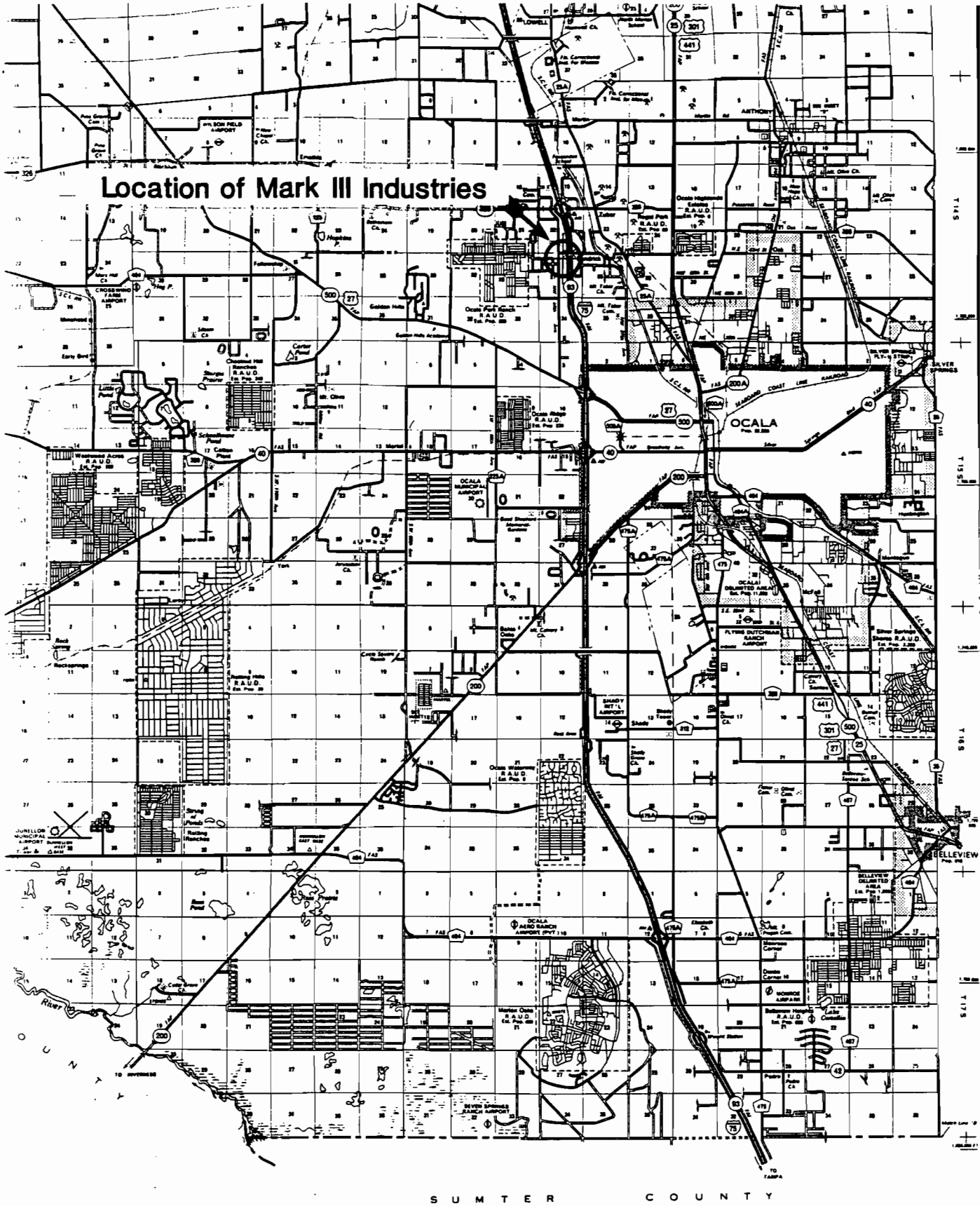
12.6 Ft.<sup>2</sup>

Air Flow

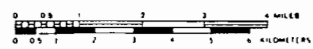
7,500 CFM

Cloth Area:Air Flow (Ft.<sup>2</sup>: CFM)

1:5.95

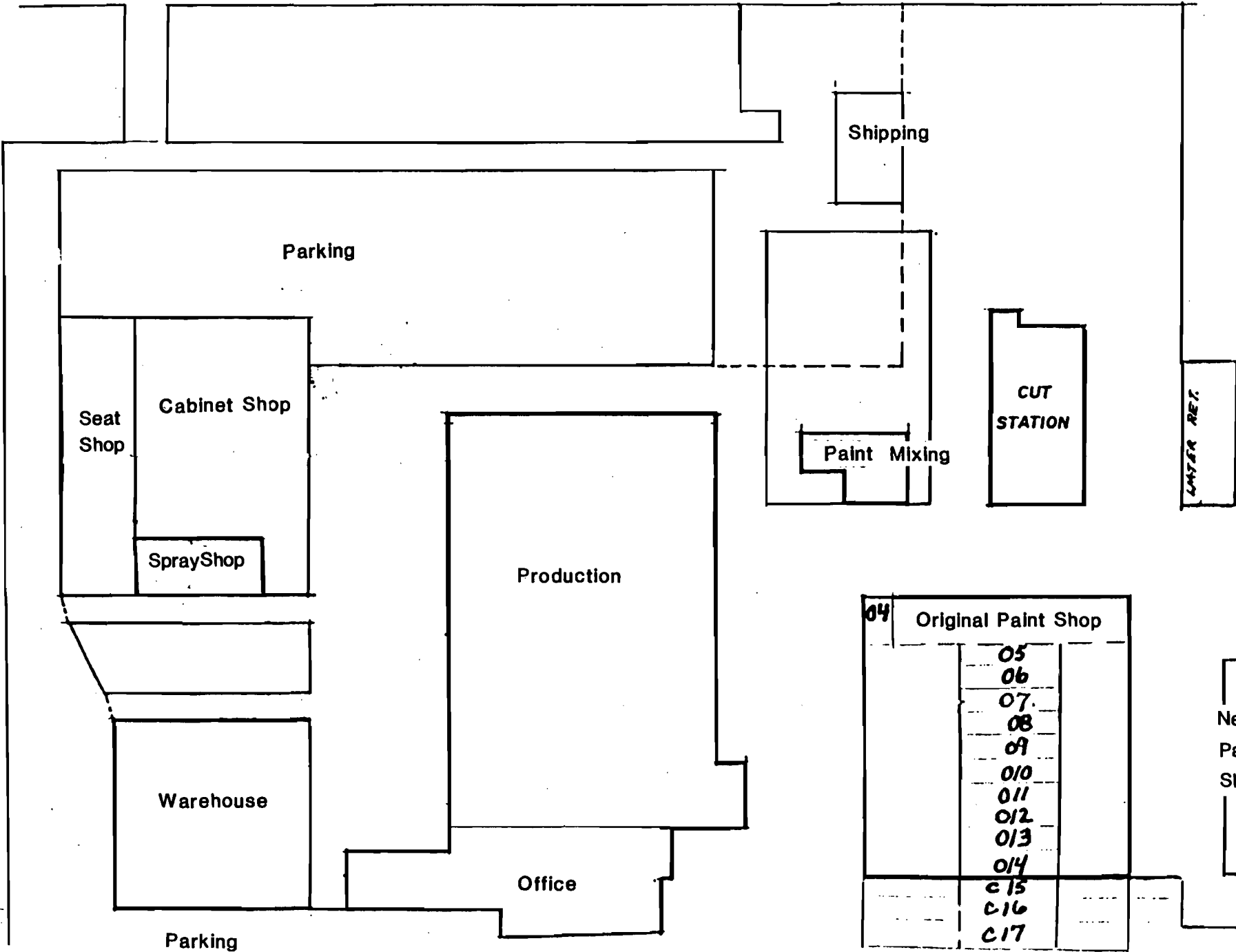


**GENERAL HIGHWAY MAP  
MARION COUNTY  
FLORIDA**



Plot Plan Showing Establishment General Arrangement Points of Airborne Emission, and Nearby Roadway  
 (see location map for other features of surroundings)

NW 44th Ave



04	Original Paint Shop	
	05	
	06	
	07	
	08	
	09	
	010	
	011	
	012	
	013	
	014	
	c15	
	c16	
	c17	

	Body Shop	
	c18	
Newer	c19	
Paint	c20	
Shop	c21	
	c22	
	c23	
	c24	
	c25	



# Location of Manufacturing Processes and Outlets for Airborne Emissions

