

● **SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.  
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☐ Show to whom delivered, date, and addressee's address. 2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to:  Mr. Gary L. Reynolds Plant Manager Metal Container Corporation 5909 N.W. 18th Drive Gainesville, FL 32606	4. Article Number P 938 762 687  Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input checked="" type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise  Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature - Address X <i>Carrie Ruple</i>	8. Addressee's Address (ONLY if requested and fee paid)  <i>USA's</i>
6. Signature - Agent X <i>[Signature]</i>	
7. Date of Delivery	

PS Form 3811, Mar. 1988

\* U.S.G.P.O. 1988-212-865

DOMESTIC RETURN RECEIPT

P 938 762 687

# RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to Mr. Gary L. Reynolds, Metal	
Street and No. Container Corp. 5909 N.W. 18th Dr.	
P.O., State and ZIP Code Gainesville, FL 32606	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date Mailed: 9-25-89 Permit: AC 01-159304	

PS Form 3800, June 1985



## *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

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION  
NOTICE OF PERMIT

Mr. Gary L. Reynolds, Plant Manager  
Metal Container Corporation  
5909 N. W. 18th Drive  
Gainesville, Florida 32606

September 25, 1989

Enclosed is construction permit No. AC 01-159304 to construct Lid Module No. 6 at Metal Container Corporation's facility in Gainesville, Alachua 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.  
Bureau of Air Regulation

Copy furnished to:

M. Benjamin, NE District  
J. Shamburg, P.E.  
R. Lanham

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 9/25/89.

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.

Kym D. Jorben  
Clerk

9/25/89  
Date

Final Determination

Metal Container Corporation  
Alachua County

Lid Module No. 6  
Permit No. AC 01-159304

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

September 18, 1989

## Final Determination

Metal Container Corporation's application for a permit to construct/install two three-lane conversion presses, three end liners and one shell press (Lid Module No. 6) at their facility in Gainesville, Alachua County, Florida, has been reviewed by the Bureau of Air Regulation.

Public Notice of the Department's Intent to Issue the construction permit was published in the Gainesville Sun on August 9, 1989.

Copies of the Preliminary Determination have been available for public inspection at the Department's Northeast District office in Jacksonville, and the Department's Bureau of Air Regulation in Tallahassee.

No comments were received during the public notice period.

The final action of the Department will be to issue the permit as noticed during the public notice period.



## *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:**

Metal Container Corp.  
5909 NW 18th Drive  
Gainesville, Florida 32606

Permit Number: AC 01-159304  
Expiration Date: July 31, 1991  
County: Alachua  
Latitude/Longitude: 29°42'5"  
82°20'53"  
Project: Lid Module No. 6

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 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 the construction/installation of Lid Module No. 6 which consists of two 3-line conversion presses, three end liners, and one shell press to be located at Metal Container Corp. facility in Gainesville, Alachua, County, Florida. The UTM coordinates are Zone 17, 369.38 km and 3287.23 N.

The source shall be constructed/installed 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 17-1.122(16), dated January 5, 1989.
2. Department's letters dated February 1, 1989, and April 26, 1989.
3. Metal Container Corporation's letters dated March 9, 1989, March 29, 1989, May 4, 1989, and May 21, 1989.

PERMITTEE: Metal Container

Permit Number: AC 01-159304  
Expiration Date: July 31, 1991

**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.
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. Nor 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 does not constitute 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, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, 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: Metal Container

Permit Number: AC 01-159304

Expiration Date: July 31, 1991

**GENERAL CONDITIONS:**

6. The permittee shall at all times 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, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring 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 notify and provide the Department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including exact 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: Metal Container

Permit Number: AC 01-159304  
Expiration Date: July 31, 1991

**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 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 arising under the Florida Statutes or Department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

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 17-4.12 and 17-30.30, 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 is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under Department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the Department, during the course of any unresolved enforcement action.
- b. The permittee shall retain 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), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by Department rule.

PERMITTEE: Metal Container

Permit Number: AC 01-159304

Expiration Date: July 31, 1991

**GENERAL CONDITIONS:**

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 date(s) 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 submitted or corrected promptly.

**SPECIFIC CONDITIONS:**

1. This source is allowed to operate continuously (8760 hours per year).

2. The maximum VOC content of the coatings used in this operation shall not exceed the following limits:

<u>3.06 lbs VOC</u>	<u>5.99 lbs VOC</u>	<u>4.35 lbs VOC</u>
gal end sealant	gal tab lube	gal clean-up solvent
(excluding water)		

3. The permittee shall determine the VOC content of the coating from formulation data supplied by the manufacturer of the coating or by an analysis of each coating, as received, using EPA Reference Method 24. The Department may require the permittee to use EPA Reference Method 24 as described in the October 3, 1980, Federal Register (45 FR 65956) or an equivalent or alternative method if the permittee used formulation data supplied by the manufacturer of the coating to determine the VOC content of coatings. The use of a different coating requires prior written notification. Notification shall be provided to the Northeast District office and shall include EPA Reference Method 24 test results on the proposed coatings.

4. The total permitted emissions for this source (lid module No. 6) shall not exceed 22 lbs/hour and 87.4 tons per year. Total production capacity for this source shall not exceed 3,600 lids per minute.

PERMITTEE: Metal Container

Permit Number: AC 01-159304  
Expiration Date: July 31, 1991

5. No objectionable odors are allowed from this facility.

6. According to F.A.C. Rule 17-2.620(1)(a), no person shall store, pump, handle, process, load, unload, or use in any process or installation volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department. Currently, there are no control strategies associated with this operation other than crew efficiency to minimize pollutant emissions. The following procedures shall be utilized to minimize pollutant emissions, but shall not be limited to:

- o maintain tightly fitting covers, lids, etc., on all containers of VOC when they are not being handled, tapped, etc.;
- o where possible and practical, procure/fabricate a tightly fitting cover for any open trough, basin, bath, etc., of VOC so that it can be covered when not use;
- o all fittings, valve lines etc., shall be properly maintained; and,
- o all VOC spills shall be attended to immediately and the waste properly disposed of, recycled, etc.

7. When the Department, after investigation, has good reason (such as complaints, increased visible emissions, etc.), to believe that any applicable emission standard contained in Chapter 17-2, F.A.C., or in this permit is being violated, it may require the owner or operator of the source to conduct compliance tests which identify the nature and quantity of pollutant emissions from the source and to provide a report on the results of the tests to the Department.

8. This permit does not preclude compliance with any applicable local permitting requirements and regulations.

9. This facility shall comply with all applicable provisions of Chapter 403, Florida Statutes, and Chapters 17-2 and 17-4, Florida Administrative Code.

10. The permittee is required to lower the facility's impact to the acceptable ambient concentrations (AAC) for hexane before the expiration date of this permit.

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

PERMITTEE: Metal Container

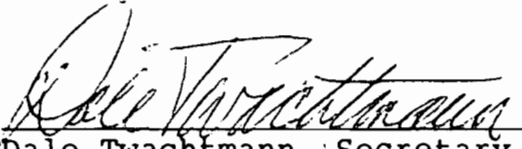
Permit Number: AC 01-159304  
Expiration Date: July 31, 1991

12. An application for an operation permit must be submitted to the Northeast 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. 17-4.220).

13. The permittee shall be required to submit annual reports on the actual operation and emissions of the facility. Material balance reports are required and shall be sent to the Northeast District office to assess emissions and maintain VOC emissions inventory. The quantity of lids processed shall be included in the report. This report shall also include but not be limited to manufacturer's certification, coating usage records, hours of operation, and test results. EPA Reference Method 24 or any other method approved by the Department shall be used to verify compliance with the VOC emission limits.

Issued this 21 day  
of Sep, 1989

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

  
Dale Twachtman, Secretary



State of Florida  
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee	
To: _____	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

# Interoffice Memorandum

TO: Dale Twachtmann

*for* FROM: Steve Smallwood *cta Jmcy*  
SUBJ: Approval of Air Construction Permit  
AC 01-159304, Metal Container Corporation

DATE: September 18, 1989

Attached for your approval and signature is a permit prepared by the Bureau of Air Regulation for the above mentioned company to construct Lid Module No. 6 at the company's facility in Gainesville, Florida.

No comments were received during the public notice period.

Day 90, after which the permit will be issued by default, is September 28, 1989.

I recommend your approval and signature.

SS/TH/t

attachments

RECEIVED  
SEP 20 1989  
Office of the Secretary

## Check Sheet

Company Name:

METAL CONTAINER CORPORATION

Permit Number:

AC 01-159304

PSD Number:

Permit Engineer:

### **Application:**

- ☒ Initial Application
- ☒ Incompleteness Letters
- ☒ Responses
- ☐ Waiver of Department Action
- ☐ Department Response
- ☐ Other

### **Cross References:**

☐  
☐  
☐

### **Intent:**

- ☒ Intent to Issue
- ☒ Notice of Intent to Issue
- ☒ Technical Evaluation
- ☒ BACT Determination
- ☒ Unsigned Permit

Correspondence with:

- ☐ EPA
- ☐ Park Services
- ☐ Other

- ☒ Proof of Publication

- ☐ Petitions - (Related to extensions, hearings, etc.)
- ☐ Waiver of Department Action
- ☐ Other

### **Final Determination:**

- ☒ Final Determination
- ☒ Signed Permit
- ☒ BACT Determination
- ☐ Other

### **Post Permit Correspondence:**

- ☒ Extensions/Amendments/Modifications
- ☐ Other

MISSING: METAL CONTAINER CORPORATION'S LETTERS  
DATED 29 MARCH 1989, 4 MAY 1989, 21 MAY 1989

In the folder labeled as follows there are documents, listed below, which were not reproduced in this electronic file. That folder can be found in one of the file drawers labeled Supplementary Documents Drawer. Folders in that drawer are arranged alphabetically, then by permit number.

**Folder Name:** Metal Container Corporation

**Permit(s) Numbered:**

AC	01	-	159304
----	----	---	--------

Period during  
which document  
was received:

		Detailed Description
APPLICATION 11 JAN 1989	1.	34"×44" BLUEPRINT: BUILDING ELEVATIONS (DRAWING NUMBER: 201)
11 JAN 1989	2.	34"×44" BLUEPRINT: ROOF PLAN (DRAWING NUMBER: 107)
11 JAN 1989	3.	34"×44" BLUEPRINT: ROOF PLAN - EMISSIONS (DRAWING NUMBER: 107E)
11 JAN 1989	4.	34"×44" BLUEPRINT: SITE PLAN (DRAWING NUMBER: 301)



ANHEUSER-BUSCH COMPANIES

# Interoffice Correspondence

May 20, 1991

TO: J. D. Young  
FROM: D. E. Pusch

*dep*

cc: J. E. Lambert  
B. A. Boeglin  
T. J. Leebolt  
J. L. Stein  
J. V. Stier  
Barry Andrews - FLA DER

**RE: MCC - GAINESVILLE WAREHOUSE MODIFICATION**

I have discussed warehouse foundation construction with Mr. Barry Andrews, Administrator of the Permitting and Standards Section of the Florida DER. He indicated that it was his understanding that warehouse foundation work was included in our March 18, 1991 request and his April 25, 1991 response (copies attached). He believed that foundations were necessary in order to construct the walls. Thus, his letter was intended to grant permission for warehouse foundation construction.

He compared our situation to one in which a project consisted solely of construction of a warehouse (including foundation work). No air permit would be required for such a project. He stated that, similarly, our warehouse portion of the modernization would not require a permit. As such, construction can commence on this portion of the project since it will not affect existing or proposed production equipment contained in the permit application that is currently under review.

D. E. Pusch

DEP/tms  
Attachment





ANHEUSER-BUSCH COMPANIES

March 18, 1991

Mr. Barry Andrews, P.E. - Administrator  
Bureau of Air Regulation  
Florida Dept. of Environmental Regulation  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Re: **Metal Container Corporation -  
Gainesville, Can Plant**

Dear Mr. Andrews:

As we discussed last Tuesday (March 12th), Metal Container Corporation has several construction activities scheduled to begin in mid-April that will not affect existing production equipment or production equipment proposed for installation in the permit application currently being reviewed by the Department. I would like confirmation of your agreement that these activities, which are limited to site and warehouse work, can begin.


These construction activities consist of;;

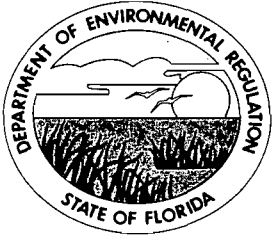
- o expansion of existing parking lot;
- o truck area paving;
- o stormwater retention pond construction;
- o erect temporary warehouse walls; and
- o remove existing warehouse panels

If you have any questions, don't hesitate to call me.

Sincerely,

ANHEUSER-BUSCH COMPANIES, INC.

  
Dean E. Pusch  
Sr. Environmental Scientist  
(314) 577-4162  
031891-2



## Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

April 25, 1991

Mr. Dean E. Pusch  
Sr. Environmental Scientist  
Anheuser-Busch Companies, Inc.  
One Busch Place  
St. Louis, Missouri 63118-1852

Dear Mr. Pusch:

This is in response to your March 18, 1991 letter requesting permission to begin certain construction activities prior to receiving your pending construction permit (AC 01-185835/PSD-FL-153).

The Bureau of Air Regulation has determined that your request to begin the construction activities outlined in your recent letter (namely expansion of existing parking lot, truck area paving, stormwater retention pond construction, erection of temporary warehouse walls, and removal of existing warehouse panels) are not directly related to the modernization proposal that currently is being reviewed. As this is the case, permission is hereby granted to begin these activities before construction permit AC 01-185835/PSD-FL-153 is issued.

If you have additional concerns, please contact Barry Andrews at (904)488-1344.

Sincerely,

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

CHF/BA/t

cc: A. Kutyna, NE District

● **SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☐ Show to whom delivered, date, and addressee's address. 2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to: Mr. Dean E. Pusch Sr. Environmental Scientist Anheuser-Busch Companies, Inc. One Busch Place St. Louis, MO 63118-1852	4. Article Number P 407 852 674  Type of Service: <input checked="" type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise  Always obtain signature of addressee or agent and <u>DATE DELIVERED</u> .
5. Signature — Addressee X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature — Agent X <i>Scott Rodde</i>	
7. Date of Delivery <i>5-2-91</i>	

PS Form 3811, Apr. 1989

★ U.S.G.P.O. 1989-238-815

DOMESTIC RETURN RECEIPT

P 407 852 674  
**RECEIPT FOR CERTIFIED MAIL**  
NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL  
(See Reverse)

★ U.S.G.P.O. 1989-234-555

Sent to Mr. Dean E. Pusch, Anheuser-Busch	
Street and No. One Busch Place	
P.O. State and ZIP Code St. Louis, MO 63118-1852	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date Mailed: 4-29-91 Permit: AC 01-159304	

PS Form 3800, June 1985



# Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

April 26, 1991

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Dean E. Pusch  
Sr. Environmental Scientist  
Anheuser-Busch Companies, Inc.  
One Busch Place  
St. Louis, MO 63118-1852

Dear Mr. Pusch:

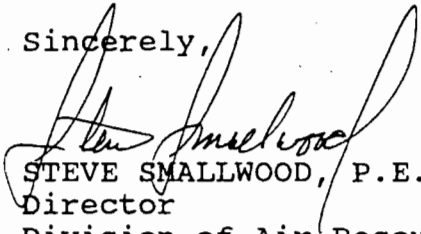
Re: AC 01-159304, Lid Module No. 6

The Department is in receipt of your letter requesting the operation of a fourth end liner on Lid Module 5 (permitted by DER as Module 6) at the Gainesville Plant. This request is acceptable since there will be no increase of permitted emissions or production rates as a result of this modification. The specific conditions of this permit will not be changed.

Attachment to be Incorporated:

Mr. Dean E. Pusch's letter of April 19, 1991.

Sincerely,

  
STEVE SMALLWOOD, P.E.  
Director

Division of Air Resources  
Management

SS/TH/plm

cc: G. Kutyma, NE Dist.



**ANHEUSER-BUSCH COMPANIES**

April 19, 1991

**RECEIVED**

**APR 26 1991**

**DER-BAQM**

Mr. Barry D. Andrews, P.E. - Administrator  
Permitting and Standards Section  
Bureau of Air Regulation  
Florida Department of Environmental Regulation  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

**Re: Metal Container Corporation -  
Gainesville Lid Plant**

Dear Mr. Andrews:

As we discussed this morning, Metal Container Corporation, in order to meet customer needs, requires operation of a fourth end liner on Lid Module 5 (permitted by DER as Module 6) at the Gainesville Plant. The requisite lids can only be produced with this module, which is permitted with three liners by permit No. AC 01-159304.


Metal Container will shut down the two liners operating on Module 4 (permitted as Module 4) to offset the emissions from the fourth liner on Module 5. These liners will remain shut down until the pending modernization permit (DER File No. AC 01-18535, PSD-FL-153) is finalized.

The emissions from lining operations on Module 4 are estimated at 17.0 tons per year as shown in R. M. Lanham's February 23, 1990 letter to the Department (copy attached). The maximum potential emissions from the additional liner on Module 5 would be 9.2 ton per year based on 1989 and 1990 end sealant usage. Thus, an equivalent net reduction in emissions of 7.8 tons per year would result.

As the lid needs from Module 5 are immediate, anything that can be done to obtain a quick response is greatly appreciated.

Sincerely,

ANHEUSER-BUSCH COMPANIES, INC.

  
Dean E. Pusch  
Sr. Environmental Scientist  
(314) 577-4162

METAL CONTAINER CORPORATION  
 GAINESVILLE LID MANUFACTURING FACILITY  
 VOLATILE ORGANIC COMPOUND EMISSIONS ESTIMATE (GNSVNEW)

MODULE 1 @ 1600 LPM	6.695E+08	LIDS PER YEAR
MODULE 2 @ 1600 LPM	6.695E+08	LIDS PER YEAR
MODULE 3 @ 1600 LPM	6.695E+08	LIDS PER YEAR
MODULE 4 @ 2400 LPM	1.004E+09	LIDS PER YEAR
9th PRESS @ 1200 LPM	5.021E+08	LIDS PER YEAR
10th PRESS @ 1800 LPM	7.532E+08	LIDS PER YEAR
11th PRESS @ 1800 LPM	7.532E+08	LIDS PER YEAR
12th PRESS @ 1800 LPM	7.532E+08	LIDS PER YEAR
13th PRESS @ 1800 LPM	7.532E+08	LIDS PER YEAR
TOTAL	6.528E+09	LIDS PER YEAR

COATING/SOLVENT	TYPICAL MANUFACTURERS IDENTIFICATION	USAGE (GALLONS)	DENSITY (LBS PER GALLON)	VOC CONTENT (WEIGHT FRACTION)	VOC EMISSIONS (TONS PER YEAR)	USAGE RATE (PER 1000 CANS)
MODULE 1						
END SEALANT COMPOUND	DEXTER MIDLAND 2140	11,114	7.85	0.390	17.00	0.0166
TAB LUBE	JENKIN-GUERIN #3810	3,247	6.44	0.930	9.72	0.0049
CLEAN-UP SOLVENTS	HEXANE	2,330	5.60	0.777 *	5.07	0.0035
	MINERAL SPIRITS	131	6.32	1.000	0.41	0.0002

MODULE 2

END SEALANT COMPOUND	DEXTER MIDLAND 2140	11,114	7.85	0.390	17.00	0.0166
TAB LUBE	JENKIN-GUERIN #3810	3,247	6.44	0.930	9.72	0.0049
CLEAN-UP SOLVENTS	HEXANE	2,330	5.60	0.777 *	5.07	0.0035
	MINERAL SPIRITS	131	6.32	1.000	0.41	0.0002

MODULE 3

END SEALANT COMPOUND	DEXTER MIDLAND 2140	11,114	7.85	0.390	17.00	0.0166
TAB LUBE	JENKIN-GUERIN #3810	3,247	6.44	0.930	9.72	0.0049
CLEAN-UP SOLVENTS	HEXANE	2,330	5.60	0.777 *	5.07	0.0035
	MINERAL SPIRITS	131	6.32	1.000	0.41	0.0002

MODULE 4

END SEALANT COMPOUND	DEXTER MIDLAND 2140	16,668	7.85	0.390	25.50	0.0166
TAB LUBE	JENKIN-GUERIN #3810	4,880	6.44	0.930	14.61	0.0049
CLEAN-UP SOLVENTS	HEXANE	3,514	5.60	0.777 *	7.65	0.0035
	MINERAL SPIRITS	196	6.32	1.000	0.62	0.0002

9th PRESS

END SEALANT COMPOUND	DEXTER MIDLAND 2140	8,335	7.85	0.390	12.75	0.0166
TAB LUBE	JENKIN-GUERIN #3810	2,435	6.44	0.930	7.29	0.0049
CLEAN-UP SOLVENTS	HEXANE	1,762	5.60	0.777 *	3.83	0.0035
	MINERAL SPIRITS	98	6.32	1.000	0.31	0.0002

10th PRESS

END SEALANT COMPOUND	DEXTER MIDLAND 2140	12,503	7.85	0.390	19.13	0.0166
TAB LUBE	JENKIN-GUERIN #3810	4,406	6.44	0.930	13.19	0.0059
CLEAN-UP SOLVENTS	HEXANE	2,599	5.60	0.777 *	5.65	0.0035
	MINERAL SPIRITS	147	6.32	1.000	0.46	0.0002

11th PRESS

END SEALANT COMPOUND	DEXTER MIDLAND 2140	12,503	7.85	0.390	19.13	0.0166
TAB LUBE	JENKIN-GUERIN #3810	4,406	6.44	0.930	13.19	0.0059
CLEAN-UP SOLVENTS	HEXANE	2,599	5.60	0.777 *	5.65	0.0035
	MINERAL SPIRITS	147	6.32	1.000	0.46	0.0002



7-11-94

12th PRESS

END SEALANT COMPOUND	DEXTER MIDLAND 2140	12,503	7.85	0.390	19.13	0.0166
TAB LUBE	JENKIN-GUERIN #3810	4,406	6.44	0.930	13.19	0.0059
CLEAN-UP SOLVENTS	HEXANE	2,599	5.60	0.777 *	5.65	0.0035
	MINERAL SPIRITS	147	6.32	1.000	0.46	0.0002

13th PRESS

END SEALANT COMPOUND	DEXTER MIDLAND 2140	12,503	7.85	0.390	19.13	0.0166
TAB LUBE	JENKIN-GUERIN #3810	4,406	6.44	0.930	13.19	0.0059
CLEAN-UP SOLVENTS	HEXANE	2,599	5.60	0.777 *	5.65	0.0035
	MINERAL SPIRITS	147	6.32	1.000	0.46	0.0002

TOTAL FACILITY VOC EMISSIONS 322.94

\* REMAINDER IS RECOVERED

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.  
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☐ Show to whom delivered, date, and addressee's address. (Extra charge)  
2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to:  
Robert M. Lanham  
Anheuser-Busch Companies, Inc.  
Executive Offices  
St. Louis, Missouri 63118-1852

4. Article Number  
P 052 482 241

Type of Service:  
☐ Registered  
☒ Certified  
☐ Express Mail  
☐ Insured  
☐ COD  
☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Address  
X

6. Signature — Agent  
X *[Signature]*

7. Date of Delivery  
*[Signature]*

Address: St. Louis, MO 63118-1852  
 APR 9 1990  
 ST. LOUIS, MO  
 U.S. MAIL

PS Form 3811, Mar. 1988

\* U.S.G.P.O. 1988-212-865

DOMESTIC RETURN RECEIPT

P 052 482 241

**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL  
(See Reverse)

Sent to Robert M. Lanham, Anheuser-	
Street and No. One Busch Place	
P.O., State and ZIP Code St. Louis, MO 63118-1852	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date Mailed: 4-6-90 Permit: AC 01-159304	

PS Form 3800, June 1985



## 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

March 26, 1990

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Robert M. Lanham  
Anheuser-Busch Companies, Inc.  
Executive Offices  
St. Louis, Missouri 63118-1852

Dear Mr. Lanham:

Re: Permit No. AC 01-159304

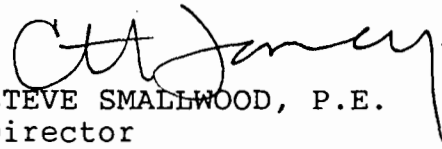
The Department is in receipt of your letters dated January 31, 1990, and February 23, 1990, on behalf of Metal Container Corporation, requesting the installation of an additional conversion press at the plant. The addition of this conversion press (Press No. 13) will not result in an additional number of lids being produced above the now permitted limit, nor will it cause any additional emissions. Press No. 13 will receive shells produced from module No. 6, but it will also have the capability to convert shells from the other plant modules.

The Department has considered your request and agree with your proposal.

Attachments to be Incorporated:

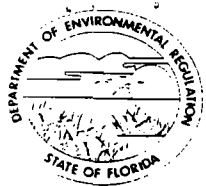
Robert Lanham's letter dated January 31, 1990 and February 23, 1990.

Sincerely,

*for*   
STEVE SMALLWOOD, P.E.  
Director  
Division of Air Resources  
Management

SS/plm

cc: *Andy Rutyna*



State of Florida  
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee	
To: _____	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

# Interoffice Memorandum

TO: Steve Smallwood  
FROM: Clair Fancy  
DATE: March 26, 1990  
SUBJ: Approval of Air Construction Permit Amendment  
Metal Container Corporation  
Lid Module No. 6, AC 01-159304

Attached for your approval and signature is a construction permit amendment prepared by the Bureau of Air Regulation for Metal Container Corp.'s lid module No. 6 at their facility in Alachua County, Florida.

I recommend your approval and signature.

CF/TH/plm

Attachment



**ANHEUSER-BUSCH COMPANIES**

February 23, 1990

EXPRESS MAIL

Ms. Teresa Heron  
State of Florida  
Department of Environmental  
Regulation  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Re: **Metal Container Corporation**  
**Gainesville, Florida**  
**AC 01-159304**

RECEIVED  
FEB 26 1990  
DER-BAQM

Dear Ms. Heron:

As we recently discussed, I have prepared the attached spreadsheet to estimate the emissions associated with specific pieces of equipment at the plant. While this sheet can be used as a good guideline, the emissions from these individual pieces of equipment may vary; however, the total plant emissions will not be exceeded.

Additionally, you asked whether or not this press is actually a portion of lid module No. 6. The best explanation is that this press will receive shells produced from module No. 6, but it will also have the capability to convert shells from the other plant modules.

If you have any questions concerning the responses, or need additional information, please contact me at (314) 577-4168.

Sincerely,

ANHEUSER-BUSCH COMPANIES, INC.

Robert M. Lanham  
Environmental Engineer

RML:cd  
RML22390

METAL CONTAINER CORPORATION  
 GAINESVILLE LID MANUFACTURING FACILITY  
 VOLATILE ORGANIC COMPOUND EMISSIONS ESTIMATE (GNSVNEW)

MODULE 1 @ 1600 LPM	6.695E+08 LIDS PER YEAR
MODULE 2 @ 1600 LPM	6.695E+08 LIDS PER YEAR
MODULE 3 @ 1600 LPM	6.695E+08 LIDS PER YEAR
MODULE 4 @ 2400 LPM	1.004E+09 LIDS PER YEAR
9th PRESS @ 1200 LPM	5.021E+08 LIDS PER YEAR
10th PRESS @ 1800 LPM	7.532E+08 LIDS PER YEAR
11th PRESS @ 1800 LPM	7.532E+08 LIDS PER YEAR
12th PRESS @ 1800 LPM	7.532E+08 LIDS PER YEAR
13th PRESS @ 1800 LPM	7.532E+08 LIDS PER YEAR
TOTAL	6.528E+09 LIDS PER YEAR

COATING/SOLVENT	TYPICAL MANUFACTURERS IDENTIFICATION	USAGE (GALLONS)	DENSITY (LBS PER GALLON)	VOC CONTENT (WEIGHT FRACTION)	VOC EMISSIONS (TONS PER YEAR)	USAGE RATE (PER 1000 CANS)
MODULE 1						
END SEALANT COMPOUND	DEXTER MIDLAND 2140	11,114	7.85	0.390	17.00	0.0166
TAB LUBE	JENKIN-GUERIN #3810	3,247	6.44	0.930	9.72	0.0049
CLEAN-UP SOLVENTS	HEXANE	2,330	5.60	0.777 *	5.07	0.0035
	MINERAL SPIRITS	131	6.32	1.000	0.41	0.0002

32.2

MODULE 2

END SEALANT COMPOUND	DEXTER MIDLAND 2140	11,114	7.85	0.390	17.00	0.0166
TAB LUBE	JENKIN-GUERIN #3810	3,247	6.44	0.930	9.72	0.0049
CLEAN-UP SOLVENTS	HEXANE	2,330	5.60	0.777 *	5.07	0.0035
	MINERAL SPIRITS	131	6.32	1.000	0.41	0.0002

MODULE 3

END SEALANT COMPOUND	DEXTER MIDLAND 2140	11,114	7.85	0.390	17.00	0.0166
TAB LUBE	JENKIN-GUERIN #3810	3,247	6.44	0.930	9.72	0.0049
CLEAN-UP SOLVENTS	HEXANE	2,330	5.60	0.777 *	5.07	0.0035
	MINERAL SPIRITS	131	6.32	1.000	0.41	0.0002

MODULE 4

END SEALANT COMPOUND	DEXTER MIDLAND 2140	16,668	7.85	0.390	25.50	0.0166
TAB LUBE	JENKIN-GUERIN #3810	4,880	6.44	0.930	14.61	0.0049
CLEAN-UP SOLVENTS	HEXANE	3,514	5.60	0.777 *	7.65	0.0035
	MINERAL SPIRITS	196	6.32	1.000	0.62	0.0002

32.2

32.2

48.38

9th PRESS

END SEALANT COMPOUND	DEXTER MIDLAND 2140	8,335	7.85	0.390	12.75	0.0166
TAB LUBE	JENKIN-GUERIN #3810	2,435	6.44	0.930	7.29	0.0049
CLEAN-UP SOLVENTS	HEXANE	1,762	5.60	0.777 *	3.83	0.0035
	MINERAL SPIRITS	98	6.32	1.000	0.31	0.0002

10th PRESS

END SEALANT COMPOUND	DEXTER MIDLAND 2140	12,503	7.85	0.390	19.13	0.0166
TAB LUBE	JENKIN-GUERIN #3810	4,406	6.44	0.930	13.19	0.0059
CLEAN-UP SOLVENTS	HEXANE	2,599	5.60	0.777 *	5.65	0.0035
	MINERAL SPIRITS	147	6.32	1.000	0.46	0.0002

11th PRESS

END SEALANT COMPOUND	DEXTER MIDLAND 2140	12,503	7.85	0.390	19.13	0.0166
TAB LUBE	JENKIN-GUERIN #3810	4,406	6.44	0.930	13.19	0.0059
CLEAN-UP SOLVENTS	HEXANE	2,599	5.60	0.777 *	5.65	0.0035
	MINERAL SPIRITS	147	6.32	1.000	0.46	0.0002

~~24.18~~

~~39.3~~

39.3

117.9



12th PRESS

END SEALANT COMPOUND	DEXTER MIDLAND 2140	12,503	7.85	0.390	19.13	0.0166
TAB LUBE	JENKIN-GUERIN #3810	4,406	6.44	0.930	13.19	0.0059
CLEAN-UP SOLVENTS	HEXANE	2,599	5.60	0.777 *	5.65	0.0035
	MINERAL SPIRITS	147	6.32	1.000	0.46	0.0002

39.3

13th PRESS

END SEALANT COMPOUND	DEXTER MIDLAND 2140	12,503	7.85	0.390	19.13	0.0166
TAB LUBE	JENKIN-GUERIN #3810	4,406	6.44	0.930	13.19	0.0059
CLEAN-UP SOLVENTS	HEXANE	2,599	5.60	0.777 *	5.65	0.0035
	MINERAL SPIRITS	147	6.32	1.000	0.46	0.0002

39.3

TOTAL FACILITY VOC EMISSIONS

322.94

\* REMAINDER IS RECOVERED



ANHEUSER-BUSCH COMPANIES

EXPRESS MAIL

January 31, 1990

Mr. Clair H. Fancy  
State of Florida  
Department of Environmental Regulation  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

RECEIVED  
FEB 1 1990  
DER-BAQM

Re: Metal Container Corporation  
Gainesville, Florida  
AC 01-159304

Dear Mr. Fancy:

As I discussed with Mr. Bill Thomas on January 31, 1990, Metal Container Corporation filed an application on January 5, 1989 for the construction of Lid Module No. 6 at the Gainesville, FL facility. On September 21, 1989, Construction Permit No. AC 01-159304 was issued to allow construction of this lid module.

Since receiving this permit, further engineering studies have indicated that the plant will experience more efficient operating conditions if one additional conversion press is installed. This press will give the plant a better balance between shell press capacity, end liners, and conversion capacity. The addition of this conversion press will not result in an additional number of lids being produced above the now permitted limit, nor will it cause any additional emissions. The reason for this press is to allow the plant to operate at its maximum efficiency. We are requesting that the above referenced construction permit be amended to allow the installation of this additional conversion press.

Mr. Thomas stated that since no increase in emissions would be realized from this requested amendment, the existing construction permit could be administratively changed by letter request. If this amendment meets with your approval,

Best Available Copy

Page 2

please contact me so that an installation schedule can be developed. Metal Container Corporation would like to incorporate the installation of this conversion press into the existing schedule; therefore, your approval prior to March 1, 1990 would be greatly appreciated.

If you have any questions or need additional information concerning this request, please contact me at (314) 5787-4168.

Sincerely,

ANHEUSER-BUSCH COMPANIES, INC.



Robert M. Lanham  
Environmental Engineering and  
Site Services Department

cc: Mr. W. H. Thomas, P.E. - FDER

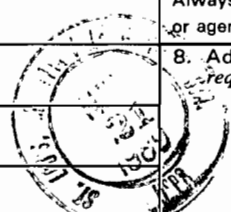
RML:cd

RL12590

*copied: J. Hearn*  
*in Rutledge BE D*  
*CHF/JRP*

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.  
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☐ Show to whom delivered, date, and addressee's address. (Extra charge) 2. ☐ Restricted Delivery (Extra charge)

<b>3. Article Addressed to:</b> Mr. Robert M. Lanham Environmental Engineer Anheuser-Busch Companies Executive Offices St. Louis, Missouri 63118-1852	<b>4. Article Number</b> P 938 762 751 <b>Type of Service:</b> <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise Always obtain signature of addressee or agent and <b>DATE DELIVERED.</b>
<b>5. Signature — Address</b> X	<b>8. Addressee's Address (ONLY if requested and fee paid)</b> 
<b>6. Signature — Agent</b> X <i>KM</i>	
<b>7. Date of Delivery</b>	

PS Form 3811, Mar. 1988

★ U.S.G.P.O. 1988-212-865

DOMESTIC RETURN RECEIPT

P 938 762 751

**RECEIPT FOR CERTIFIED MAIL**  
 NO INSURANCE COVERAGE PROVIDED  
 NOT FOR INTERNATIONAL MAIL  
 (See Reverse)

Sent to Mr. Robert M. Lanham, Anheuser-Busch Co.	
Street and No. Executive Offices	
P.O., State and ZIP Code St. Louis, MO 63118-1852	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date Mailed: 11-17-89 Permit: AC 01-159304	

PS Form 3800, June 1985



## 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

November 7, 1989

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Robert M. Lanham, Environmental Engineer  
Anheuser-Busch Companies  
Executive Offices  
St. Louis, Missouri 63118-1852

Dear Mr. Lanham:

Re: Lid Module No. 6 - AC 01-159304

The Department is in receipt of your letter dated September 25, 1989, requesting to change Specific Condition No. 2 of permit No. AC 01-159304.

The Department has considered your request and agrees to change this condition as requested, since there will be no allowable emission increase as a result of this change. Therefore, Specific Condition No. 2 will be changed as follows:

From:

2. The maximum VOC content of the coatings used in this operation shall not exceed the following limits:

<u>3.06 lbs VOC</u>	<u>5.99 lbs VOC</u>	<u>4.35 lbs VOC</u>
gal end sealant	gal tab lube	gal clean-up solvent
(excluding water)		

To:

The maximum VOC content of the coatings used in this operation shall not exceed the following limits:

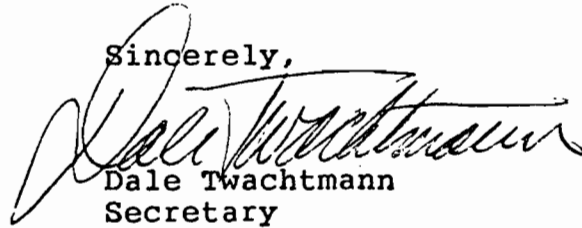
<u>3.11 lbs VOC</u>	<u>6.10 lbs VOC</u>
gal end sealant	gal tab lube
(excluding water)	

Clean up solvents:	<u>4.35 lb VOC</u>		<u>6.32 lb VOC</u>
	gal hexane	and	gal mineral spirits

Mr. Robert M. Lanham  
Page Two  
November 7, 1989

Attachment to be Incorporated:  
Letter of September 25, 1989

Sincerely,

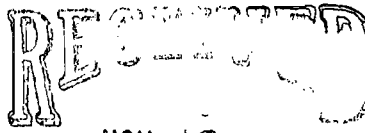
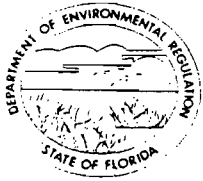
A handwritten signature in cursive script, appearing to read "Dale Twachtman", written over the typed name and title.

Dale Twachtman  
Secretary

cc: M. Benjamin, NE District  
D. Hall, BESD

attachment

DT/kt



State of Florida

NOV 18 1989

DEPARTMENT OF ENVIRONMENTAL REGULATION  
Office of the Secretary

For Routing To Other Than The Addressee	
To: _____	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

# Interoffice Memorandum

TO: Dale Twachtmann

for FROM: Steve Smallwood *cts j mcy*

DATE: November 6, 1989

SUBJ: Anheuser-Busch Permit  
AC 01-159304

Attached for your approval and signature is a letter that will modify Specific Condition No. 2 of the above referenced permit.

I recommend your approval and signature.

SS/TH/t

attachment



**ANHEUSER-BUSCH COMPANIES**

September 25, 1989

CERTIFIED MAIL

RECEIVED

SEP 27 1989

DER-BAQW

Mr. Bill Thomas  
Florida Department of  
Environmental Regulation  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Re: **Metal Container Corporation**  
**Gainesville, Florida**  
**Permit AC01-159304**

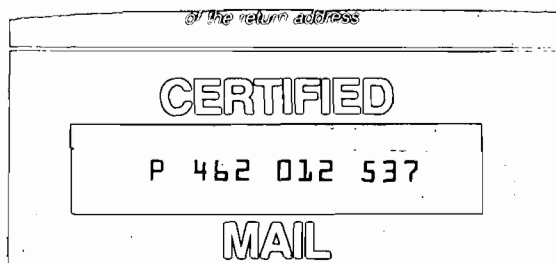
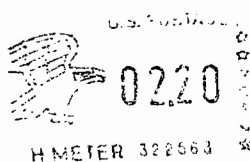
Dear Mr. Thomas:

The purpose of this letter is to clarify Specific Condition No. 2 of the above referenced permit. This condition lists the maximum permissible VOC content for end sealant, tab lube, and clean-up solvent. A slight modification is necessary to correctly define the VOC content of these coatings.

End Sealant Compound - DM2140 -- The permit condition sets a limit of 3.06 lbs VOC/gal minus water. In our application, we described this compound as having a density of 7.85 lbs/gallon with a VOC weight fraction of 0.390 which would equate to 3.06 lbs VOC/gallon. This is the actual VOC content per gallon and does not subtract the water in the compound. The correct figure for lbs VOC/ gal minus water is 3.11. We request that the permit be changed to either 3.06 lbs VOC/gallon or 3.11 lbs VOC/gallon minus water. No emissions increase will be realized due to this change.

Tab Lube - Jenkin Guerin #3810 -- The permit sets a limit of 5.99 lbs VOC/gal. When the application was originally filed, this was the VOC content supplied to us by the manufacturer. Since that time, we were notified by Jenkin-Guerin that the VOC content is better expressed as a range from 5.99-6.10 lbs/gallon. We are requesting that the maximum limit be changed on the permit to 6.10 lbs VOC/gallon to reflect this latest information. We are not requesting an increase in allowable emissions due to this change, rather this minimal increase in allowable content will be made up in a usage reduction.





**RETURN POSTAGE GUARANTEED**

**ANHEUSER-BUSCH COMPANIES, INC.  
ST. LOUIS, MO. 63118**

Mr. Bill Thomas  
FL Dept. of Env. Regulation  
Twin Towers Office Bldg.  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400

Clean-up Solvent - The permit sets a limit of 4.35 lbs VOC/gal. This figure takes into account that 22.3% of the hexane used for clean-up is recovered (this is shown on the spreadsheet submitted with the application). However, this does not take into account the use of mineral spirits. the density of mineral spirits is listed as 6.32 lbs/gal on the application and no recovery is claimed. The emissions from mineral spirits were included in our emissions estimate. We request that the VOC content be changed to 6.32 lbs/gal for clean-up solvent. No emissions increase will occur due to this requested change.

As previously stated, we are not requesting any increase in emissions, just minor changes of the specific conditions. If you or any of your staff have questions regarding this request, please contact me at (314) 577-4168.

Sincerely,

ANHEUSER-BUSCH COMPANIES



Robert M. Lanham  
Environmental Engineer

RML:cd

cc: S. Heron  
M. Benjamin, NE Dist  
CHV/13T

Nº 1437

STATE OF FLORIDA  
COUNTY OF ALACHUA

**THE GAINESVILLE SUN**  
Published Daily and Sunday  
**GAINESVILLE, FLORIDA**

Before the undersigned authority personally appeared Dorothea Clark  
who on oath says that he/she is Nat'l Advertising Manager of THE GAINESVILLE SUN, a daily  
newspaper published at Gainesville in Alachua County, Florida, that the attached copy of advertisement, being a

NOTICE OF INTENT TO ISSUE

in the matter of PERMIT TO METAL CONTAINER CORPORATION

in the..... Court, was published in said newspaper in the issue of,

AUGUST 9, 1989

Affiant further says that the said THE GAINESVILLE SUN is a newspaper published at Gainesville, in said Alachua County, Florida, and that the said newspaper has heretofore been continuously published in said Alachua County, each day, and has been entered as second class mail matter at the post office in Gainesville, in said Alachua 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 corporation any discount for publication in the said newspaper.

Sworn to and subscribed before me this

1 day of Sept, A.D., 1989

Martha A. Pattison

(Seal)

Notary Public

MY COMM. EXP. APR 8, 1990

**The Gainesville Sun**  
P.O. DRAWER A  
GAINESVILLE, FLORIDA 32602

PLEASE FORWARD AND ADDRESS CORRECTION REQUESTED

RECEIVED  
SEP 6 1989  
7th. Dept. of Environmental Regulations  
2600 Blair Stone Rd.  
Tallahassee, Florida 32301  
SEP 6 1989  
DER-BAQM

ATTN: C. H. FANAY  
(Bureau of Air Quality Management)

## 5 Legal Notices

cont.

**CALL FOR BID**  
Notice is hereby given that the Alachua County Board of County Commissioners is calling for and requesting bids for establishing firm fixed prices for the following goods for the Department of Emergency Services on an as required basis for a period of One (1) year, October 1, 1989 through September 30, 1990:

### MEDICAL SUPPLIES AND EQUIPMENT

Detailed specifications for the above may be obtained from the Alachua County Purchasing Office, Third Floor, County Administration Building, 21 East University Avenue, Gainesville, Florida.

All bids must be in writing on the prescribed forms and delivered by hand to the Purchasing Office, Third Floor, County Administration Building, 21 East University Avenue, Gainesville, Florida or mailed to P.O. Box 1467, Gainesville, Florida 32602, and must be received by **WEDNESDAY, AUGUST 23, 1989 AT 2:00 P.M.**

Only bids received by the aforesaid time and date will be considered. All bids shall be enclosed within a sealed envelope and clearly marked on the face of the envelope for the item being bid.

The Board of County Commissioners reserves the right to accept or reject any and all bids in whole or in part and to waive all informalities.

Purchasing Manager  
Alachua County, Florida  
(1436) 8:9, 16

### 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 Metal Container Corporation, 5909 N.W. 18th Drive, Gainesville, Alachua County, Florida, to install two 3-lane conversion presses, three end liners and one shell press (Lid Module No. 6). 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 ac-

## 5 Legal Notices

cont.

tion 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 of 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.

The application 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:

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

Dept. of Environmental Regulation, Northeast District Office, 3426 Bills Road, Jacksonville, Florida 32207.

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.

(1437) 8:9

## 20 The Meeting Place

33. FUN, GOOD-LOOKING, intellectual, sincere professional who's thinking:

"HONESTY, is such a lonely word, everyone is so untrue. HONESTY, is hardly ever heard, but mostly what I need from you"

If you're an attractive woman, preferably Jewish, but not a must, 28-38; have a similar mind set, isn't afraid to have a good time, likes spontaneity, and can start as friends, then write to: P.O. Box 1702-74, G'ville, FL 32602.

LADY WITH GREEN EYES that sees without & within would like to learn to fish & about antiques. Drop me a line & let



**ANHEUSER-BUSCH COMPANIES**

August 31, 1989

**RECEIVED**  
EXPRESS MAIL  
SEP 1 1989

Mr. Clair Fancy  
Department of Environmental Regulation  
Bureau of Air Quality Management  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

DER-BAQIM

Re: **Metal Container Corporation**  
**Gainesville, Florida**  
**AC01-159304**

Dear Mr. Fancy:

Attached for your information is the original publication notice for the above referenced permit. This notice was inadvertently sent to my attention.

Please contact me at (314) 577-4168 if you have any questions concerning this matter.

Sincerely,

ANHEUSER-BUSCH COMPANIES, INC.

Robert M. Lanham  
Environmental Engineer

RML:cd

Attachment

*copied: S. Heron  
J. Cole, NE Dist*



## INSTRUCTIONS:

1. Type or print firmly
2. Complete applicable unshaded areas
3. Instructions in full on reverse
4. Call us if you have any questions



230097151

FORWARDER AIRBILL - NON NEGOTIABLE

ORIGIN	DESTINATION
STL	TIH
PIECES	WEIGHT
1	0.00

1 SHIPPERS ACCOUNT No.	2 SHIPPER'S REFERENCE
14910308	164-1907-162

4 SENT BY (COMPANY NAME)
ANNELSER BUSCH INCORPORATED ROBERT M. LANHAM ENVIRONMENTAL ENGINEERING AND SITE SERVICES DEPT. 202-4 ONE BUSCH PLACE  ST LOUIS, MO  63115

5 RECIPIENT (COMPANY NAME)
MR. CLAIR FANCY DEPT. OF ENVIRONMENTAL REGULATION BUREAU OF AIR QUALITY MGMT 2600 BLAIR STONE ROAD TALLAHASSEE, FL 32399-2400

6 SERVICES	CHARGES
DOCUMENT <input checked="" type="checkbox"/> EXPRESS DOCUMENT <input type="checkbox"/>	
WORLDWIDE PARCEL EXPRESS <input type="checkbox"/>	
WORLDMAIL <input type="checkbox"/> 1st CLASS <input type="checkbox"/> 2nd CLASS <input type="checkbox"/>	
SATURDAY SERVICE <input type="checkbox"/>	
PROOF OF DELIVERY <input type="checkbox"/> (POD)	
OTHER <input type="checkbox"/>	
ONFORWARDING <input type="checkbox"/>	
EXPRESS CENTER/DROP BOX <input type="checkbox"/>	
TOTAL	

7 DESCRIPTION OF CONTENTS	
DIMENSIONS: X X X	DIMENSIONAL/CHARGED WEIGHT

10 METHOD OF PAYMENT
Assumed to be sender unless otherwise specified
<input type="checkbox"/> BILL RECIPIENT 3rd Party
<input type="checkbox"/> CASH \$
<input type="checkbox"/> CHECK \$

8 COMPLETE FOR WORLDWIDE PARCEL EXPRESS (INTERNATIONAL DUTIABLE SHIPMENTS)	
DECLARED VALUE FOR CUSTOMS (SPECIFY CURRENCY)	COMMODITY/TARIFF CODE
SHIPPER'S EIN/SSN OR VAT NUMBER	THIS SHIPMENT LICENSED BY THE UNITED STATES FOR ULTIMATE DESTINATION. DIVERSION CONTRARY TO U.S. LAW PROHIBITED. IF ULTIMATE DESTINATION IS SOUTH AFRICA OR NAMIBIA, RESALE TO OR DELIVERY DIRECTLY OR INDIRECTLY TO OR FOR USE BY OR FOR POLICE OR MILITARY ENTITIES PROHIBITED.
EXPORT LICENSE NUMBER/SYMBOL	
IMPORT CHARGES	9
DUTY OTHER TOTAL	<input type="checkbox"/> RECEIVER <input type="checkbox"/> SHIPPER CHARGE TO:

RECIPIENT'S SIGNATURE X	PLEASE PRINT NAME	DATE / /
RECEIVED IN GOOD ORDER EXCEPT AS NOTED		TIME AM PM
11 I/WE DO HEREBY AUTHORIZE DHL CORPORATION TO EXECUTE ANY ADDITIONAL DOCUMENTS NECESSARY FOR THE EXPORT OF MERCHANDISE DESCRIBED HEREIN ON MY/OUR BEHALF.	PICKED UP BY DHL	
SHIPPER'S SIGNATURE DATE 8.31.89	DATE / /	TIME AM PM

DHL COPY: DESTINATION

REMOVE SHIPPER'S COPY (SHEET 1) FROM RIGHT

DHL AIRWAYS INC. 1987, 1988 • 333 TWIN DOLPHIN DRIVE, REDWOOD CITY, CA 94065

6546-1243

STATE OF FLORIDA  
COUNTY OF ALACHUA

No 1437

THE GAINESVILLE SUN  
Published Daily and Sunday  
GAINESVILLE, FLORIDA

Before the undersigned authority personally appeared ..... Dorothea Clark .....

who on oath says that he/she is ..... Nat'l Advertising Manager ..... of THE GAINESVILLE SUN, a daily  
newspaper published at Gainesville in Alachua County, Florida, that the attached copy of advertisement, being a

NOTICE OF INTENT TO ISSUE PERMIT

in the matter of ..... METAL CONTAINER CORPORATION .....

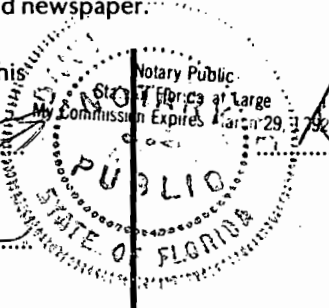
in the ..... Court, was published in said newspaper in the issue of,

..... AUGUST 9, ..... 19.89 .....

Affiant further says that the said THE GAINESVILLE SUN is a newspaper published at Gainesville, in said Alachua County, Florida, and that the said newspaper has heretofore been continuously published in said Alachua County, each day, and has been entered as second class mail matter at the post office in Gainesville, in said Alachua 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 corporation any discount for publication in the said newspaper.

Sworn to and subscribed before me this ..... day of ..... A.D., 19.....

(Seal) ..... Notary Public



..... Dorothea Clark .....

State of Florida  
Department of Environmental  
Regulation  
Notice of Intent to Issue  
The Department of Environ-  
mental Regulation hereby  
gives notice of its intent to is-  
sue a permit to Metal Container  
Corporation, 5909 N.W. 18th  
Drive, Gainesville, Alachua  
County, Florida, to install two  
3-lane conversion presses,  
three end liners and one shell  
press (Lid Module No. 6). A de-  
termination of Best Available  
Control Technology (BACT)  
was not required. The Depart-  
ment is issuing this intent to is-  
sue for the reasons stated in the  
Technical Evaluation and Pre-  
liminary Determination.  
A person whose substantial  
interests are affected by the  
Department's proposed per-  
mitting decision may petition  
for an administrative proceed-  
ing (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 Gen-  
eral Counsel of the Department  
at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400,  
within fourteen (14) days of  
publication of this notice. Peti-  
tioner 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 de-  
termination (hearing) under  
Section 120.57, Florida  
Statutes.  
The Petition shall contain the  
following information:  
(a) The name, address, and  
telephone number of each peti-  
tioner, 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 ac-  
tion or proposed action;  
(c) A statement of how each  
petitioner's substantial inter-  
ests are affected by the Depart-  
ment's action or proposed  
action;  
(d) A statement of the mate-  
rial facts disputed by Petition-  
er, if any;  
(e) A statement of facts  
which petitioner contends war-

rant reversal or modification  
of the Department's action or  
proposed action;  
(f) A statement of which  
rules or statutes petitioner con-  
tends require reversal or modi-  
fication 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 Depart-  
ment's action or proposed  
action.  
If a petition is filed, the ad-  
ministrative hearing process is  
designed to formulate agency  
action. Accordingly, the De-  
partment's final action may be  
different from the position tak-  
en 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 require-  
ments specified above and be  
filed (received) within 14 days  
of publication of this notice in  
the Office of General Counsel  
at the above address of the De-  
partment. Failure to petition  
within the allowed time frame  
constitutes a waiver of any  
right such person has to re-  
quest 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 mo-  
tion filed pursuant to Rule 28-  
5.207, F.A.C.  
The application 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:  
Department of Environmental  
Regulation, Bureau of Air  
Quality Management, 2600  
Blair Stone Road, Tallahassee,  
Florida 32399-2400.  
Dept. of Environmental Regu-  
lation, Northeast District Of-  
fice, 3426 Bills Road, Jackson-  
ville, Florida 32207  
Any person may send written  
comments on the proposed ac-  
tion to Mr. Bill Thomas at the  
Department's Tallahassee ad-  
dress. All comments mailed  
within 14 days of the publica-  
tion of this notice will be con-  
sidered in the Department's fi-  
nal determination.  
(1437) 8:9

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.  
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☐ Show to whom delivered, date, and addressee's address. (Extra charge) 2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to:  
Mr. Gary L. Reynolds, Plant Mgr.  
Metal Container Corporation  
5909 N.W. 18th Drive  
Gainesville, FL 32606

4. Article Number  
P 938 762 628

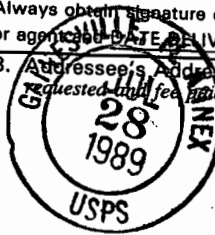
Type of Service:  
☐ Registered ☐ Insured  
☒ Certified ☐ COD  
☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent on DATE DELIVERED.

5. Signature - Address  
X

6. Signature - Agent  
X *Came Ruple*

7. Date of Delivery

8. Addressee's Address (ONLY if requested and fee paid)  


PS Form 3811, Mar. 1988 \* U.S.G.P.O. 1988-212-865 DOMESTIC RETURN RECEIPT

P 938 762 628

**RECEIPT FOR CERTIFIED MAIL**  
NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL  
(See Reverse)

Sent to	Mr. Gary L. Reynolds, Metal
Street and No.	Container Corp
	5909 N.W. 18th Dr.
P.O., State and ZIP Code	Gainesville, FL 32606
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	
Mailed:	7-27-89
Permit:	AC 01-159304

PS Form 3800, June 1985





## 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

July 26, 1989

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. Gary L. Reynolds, Plant Manager  
Metal Container Corporation  
5909 N.W. 18th Drive  
Gainesville, Florida 32606

Dear Mr. Reynolds:

Attached is one copy of the Technical Evaluation and Preliminary Determination and proposed permit for Metal Container Corporation (MCC) to install/construct two 3-lane conversion presses, three end liners, and one shell press (Lid Module No. 6) to be located at the MCC facility in Gainesville, Alachua County, Florida.

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 Quality Management.

Sincerely,

*C. H. Fancy*  
for C. H. Fancy, P.E.  
Deputy Chief  
Bureau of Air Quality  
Management

CHF/TH/s

Attachments

cc: John H. Schamburg, P.E.  
Johnny Cole, NE District  
Robert M. Lanham

BEFORE THE STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

In the Matter of  
Application for Permit by:

Metal Container, Corp.  
5909 N.W. 18th Drive  
Gainesville, Florida 32606

DER File No. AC 01-159304

---

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, Metal Container Corporation applied on January 5, 1989, to the Department of Environmental Regulation for a permit to construct/install two 3-lane conversion presses, three end liners and one shell press (Lid Module No. 6) to be located at MCC facility in Gainesville, Alachua 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

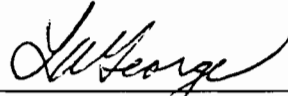
(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

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 applicant 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

  
for C. H. Fancy, P.E.  
Deputy Chief  
Bureau of Air Quality  
Management

Copies furnished to:

John H. Schamburg, P.E.  
Johnny Cole, NE District  
Robert M. Lanham

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 7-27-89.

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.

Martha J. Wise 7-27-89  
Clerk 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 Metal Container Corporation, 5909 N.W. 18th Drive, Gainesville, Alachua County, Florida, to install two 3-lane conversion presses, three end liners and one shell press (Lid Module No. 6). 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.

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- (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 normal 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 Quality Management  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Dept. of Environmental Regulation  
Northeast District Office  
3426 Bills Road  
Jacksonville, Florida 32207

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

Metal Container Corporation  
Gainesville, Alachua County, Florida

Permit No. AC 01-159304  
Lid Module No. 6

Department of Environmental Regulation  
Division of Air Resources Management  
Central Air Permitting

July 26, 1989



I. SYNOPSIS OF APPLICATION

I.1 Applicant Name and Address

Metal Container Corporation  
5909 N. W. 18th Drive  
Gainesville, Florida 32606

I. 2 Reviewing and Process Schedule

Date of Receipt of Application: January 5, 1989

30 days of Completeness Review: Department's letters dated February 1, 1989 and April 26, 1989

Response to Incompleteness Letters: Company's letters dated March 6, 1989, March 29, 1989, May 4, 1989, and May 23, 1989

Application Completeness Day: May 23, 1989

II. FACILITY INFORMATION

II.1 Facility Location

Metal Container Corporation is located at 5909 N.W. 18th Drive in Gainesville, Alachua County, Florida. The UTM coordinates are Zone 17, 369.38 km East and 3287.23 km North.

II.2 Standard Industrial Classification Code (SIC)

This facility is classified as follows:

Major Group No. 34 - Fabricated Metal Products, Except Machinery and Transportation Equipment

Group No. 341 - Metal Can and Shipping Containers

Industry No. 3411 - Metal Cans

II.3 Facility Category

Metal Container Corporation (MCC) is classified as a major emitting facility for volatile organic compounds (VOC). Existing permitted emissions of VOC are 235.59 TPY. The proposed project will increase VOC emissions by 87.4 TPY. Total permitted emissions for this facility shall not be allowed to exceed 323 TPY.

### III. PROJECT DESCRIPTION

This project will consist of the addition of two 3-lane conversion presses, three end liners, and one shell press. Existing operation involves (five) 5 Lid Modules 1 to 5 and ten (10) conversion presses.

### IV. PROCESS DESCRIPTION

Major steps in this process are as follows:

Aluminum coil stock is punched and pressed into "shell." Shell rims are curled. End sealant compound is injected into the curl. Finishing steps occur at the conversion press. These steps include embossing, scoring of the opening, tab fabrication, and riveting of the finished tabs to be embossed.

### V. RULE APPLICABILITY

The proposed project is subject to preconstruction review under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code (F.A.C.) Rules 17-2 and 17-4.

Metal Container Corporation (MCC) is located in an area (Alachua County) currently designated attainment for all criteria pollutants, F.A.C. Rule 17-2.

MCC is a major emitting facility for volatile organic compounds (VOC) as defined in F.A.C. Rule 17-2.100(112). Permitted emissions of VOC for the entire facility after the proposed project, shall not exceed 323 TPY.

The proposed project, a modification to the lid manufacturing process (Lid Module No. 6), is exempt from review under F.A.C. Rule 17-2.500, Prevention of a Significant Deterioration (PSD). For purpose of PSD requirements, this existing facility is considered to be a minor facility because potential emissions do not exceed 250 TPY, F.A.C. Rule 17-2.500(2)(d)2.a. The proposed project, increasing the facility's emissions by 87.4 VOC TPY, is considered under PSD regulations, a minor modification to a minor facility.

For any future modification, this facility will be considered a major facility. If any future emissions increase is over the significant level (Table 500-1) that future project will be subject to the PSD regulations.

This proposed project shall be permitted under Rule 17-2.520, Sources Not Subject to Prevention of Significant Deterioration or Nonattainment Requirements. The proposed source shall comply with F.A.C. Rules 17-2.620 (1) and (2), General Pollutant Emission Limiting Standards.

## VI. SOURCE IMPACT ANALYSIS

### VI.1 Emission Limitations

The chemical products used in this process are listed in the material safety data sheets (MSDS) as containing heptane, hexane, and petroleum hydrocarbons.

During the operation of the two presses (Lid Module No. 6), emissions of volatile organic compounds (VOC) will be produced.

The permitted emissions for this source shall not exceed:

21.9 lbs VOC/hour and 87.4 tons VOC/year

### VI.2. Air Quality Analysis

The Department has conducted a modeling analysis of the potential air quality impacts of this facility. The EPA and Department approved Industrial Source Complex short-term model (ISCST) was run using one year of meteorological data (Tallahassee, 1985). Emissions from the facility were assumed to be continuous (24 hrs/day) and have no plume rise (i.e., ambient gas temperature and zero gas velocities). The building dimensions were input to the model to incorporate effects of building wake downwash. The pollutants evaluated were hexane and heptane.

The emissions of hexane and heptane from the entire facility were derived from information provided by the applicant. The end sealant compound coating used, trade name DM 2140M, contains heptane (CAS No. 142-82-5) and n-hexane (CAS No. 110-54-3). The tab lube coating used, trade name Jenkin-Guerin #3810, is a mixture of petroleum hydrocarbons. The cleanup solvents used are hexane and mineral spirits. The entire facility emissions were determined to be 22.22 pounds per hour of hexane and 7.24 pounds per hour of heptane. Drawings provided by the applicant show the emissions were released through 13 vents located on the roof. The total emissions for each pollutant were distributed among the 13 vents and weighted by the flow rates associated with each vent.

The following parameters were evaluated and compared.

(a) The acceptable ambient concentration levels for these pollutants are:

Pollutant	8-hr ( $\mu\text{g}/\text{m}^3$ )	24-hr ( $\mu\text{g}/\text{m}^3$ )
Hexane	3600	857
Heptane	32,000	7619

(b) The estimated maximum emission rates for the proposed source (Lid Module No. 6) are:

3.59  $\frac{\text{gal}}{\text{hr}}$  end sealant x 3.06  $\frac{\text{lbs VOC}}{\text{gal}}$  end sealant excluding water  
= 10.98 lbs VOC/hr

1.27  $\frac{\text{gal}}{\text{hr}}$  tab lube x  $\frac{5.99 \text{ lbs VOC}}{\text{gal tab lube}}$  = 7.61 lbs VOC/hr

0.76  $\frac{\text{gal}}{\text{hr}}$  clean-up solvents x  $\frac{4.35 \text{ lbs VOC}}{\text{gal clean-up solvent}}$  = 3.31 lbs VOC/hr  
Total VOC emissions = 21.9 lbs/hr

As shown in paragraph VI.2.(b), the emission limiting standard for the end sealant compound operation of 3.06 lbs of VOC/gal, excluding water, is lower than the RACT limitation for this same operation of 3.7 lbs of VOC/gal excluding water.

(c) The predicted maximum concentrations are:

Pollutant	8-hr ( $\mu\text{g}/\text{m}^3$ )	24-hr ( $\mu\text{g}/\text{m}^3$ )
Hexane	2825	1615
Heptane	920	527

Comparing parameters (a) and (c), it can be noted that the 24-hr AAC for hexane is exceeded.

The Department's proposed air toxic guidelines consider n-hexane a low toxicity air contaminant.

However, based on the above parameters comparison, the Department has decided to permit this source (Lid Module No. 6) since the proposed emission limiting standard of 3.06 lbs of VOC/gal, excluding water, for the end sealant compound operation is lower than the RACT limiting standard of 3.7 lbs VOC/gal, excluding water, for this same operation.

The Company (MCC) is requested to lower the facility impact to the acceptable ambient concentration (AAC) before the expiration date of this permit.

V. CONCLUSION

Based on the information provided by Metal Container Corporation, the Department has reasonable assurance that the installation of the proposed source, 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 or PSD increment, or violate any other technical provision of Chapter 17-2 of the Florida Administrative Code.





## 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:**

Metal Container Corp.  
5909 NW 18th Drive  
Gainesville, Florida 32606

Permit Number: AC 01-159304  
Expiration Date: July 31, 1991  
County: Alachua  
Latitude/Longitude: 29°42'5"  
82°20'53"  
Project: Lid Module No. 6

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 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 the construction/installation of Lid Module No. 6 which consists of two 3-line conversion presses, three end lines, and one shell press to be located at Metal Container Corp. facility in Gainesville, Alachua, County, Florida. The UTM coordinates are Zone 17, 369.38 km and 3287.23 N.

The source shall be constructed/installed 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 17-1.122(16), dated January 5, 1989.
2. Department's letters dated February 1, 1989, and April 26, 1989.
3. Metal Container Corporation's letters dated March 9, 1989, March 29, 1989, May 4, 1989, and May 21, 1989.

PERMITTEE: Metal Container

Permit Number: AC 01-159304

Expiration Date: July 31, 1991

**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.

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. Nor 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 does not constitute 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, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, 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: Metal Container

Permit Number: AC 01-159304

Expiration Date: July 31, 1991

**GENERAL CONDITIONS:**

6. The permittee shall at all times 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, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring 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 notify and provide the Department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including exact 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: Metal Container

Permit Number: AC 01-159304

Expiration Date: July 31, 1991

**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 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 arising under the Florida Statutes or Department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

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 17-4.12 and 17-30.30, 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 is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- ( ) Determination of Best Available Control Technology (BACT)
- ( ) Determination of Prevention of Significant Deterioration (PSD)
- ( ) Compliance with New Source Performance Standards

14. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under Department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the Department, during the course of any unresolved enforcement action.

PERMITTEE: Metal Container

Permit Number: AC 01-159304

Expiration Date: July 31, 1991

**GENERAL CONDITIONS:**

b. The permittee shall retain 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), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be 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 date(s) analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- the results of such analyses.

15. 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 submitted or corrected promptly.

**SPECIFIC CONDITIONS:**

1. This source is allowed to operate continuously (8760 hours per year).

2. The maximum VOC content of the coatings used in this operation shall not exceed the following limits:

3.06 lbs VOC  
gal end sealant  
(excluding water)

5.99 lbs VOC  
gal tab lube

4.35 lbs VOC  
gal clean-up solvent

PERMITTEE: Metal Container

Permit Number: AC 01-159304

Expiration Date: July 31, 1991

3. The permittee shall determine the VOC content of the coating from formulation data supplied by the manufacturer of the coating or by an analysis of each coating, as received, using EPA Reference Method 24. The Department may require the permittee to use EPA Reference Method 24 as described in the October 3, 1980, Federal Register (45 FR 65956) or an equivalent or alternative method if the permittee used formulation data supplied by the manufacturer of the coating to determine the VOC content of coatings. The use of a different coating requires prior written notification. Notification shall be provided to the Northeast District office and shall include EPA Reference Method 24 test results on the proposed coatings.

4. The total permitted emissions for this source (lid module No. 6) shall not exceed 22 lbs/hour and 87.4 tons per year. Total production capacity for this source shall not exceed 3,600 lids per minute.

5. No objectionable odors are allowed from this facility.

6. According to F.A.C. Rule 17-2.620(1)(a), no person shall store, pump, handle, process, load, unload, or use in any process or installation volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department. Currently, there are no control strategies associated with this operation other than crew efficiency to minimize pollutant emissions. The following procedures shall be utilized to minimize pollutant emissions, but shall not be limited to:

- o maintain tightly fitting covers, lids, etc., on all containers of VOC when they are not being handled, tapped, etc.;
- o where possible and practical, procure/fabricate a tightly fitting cover for any open trough, basin, bath, etc., of VOC so that it can be covered when not use;
- o all fittings, valve lines etc., shall be properly maintained; and,
- o all VOC spills shall be attended to immediately and the waste properly disposed of, recycled, etc.

PERMITTEE: Metal Container

Permit Number: AC 01-159304

Expiration Date: July 31, 1991

7. When the Department, after investigation, has good reason (such as complaints, increased visible emissions, etc.), to believe that any applicable emission standard contained in Chapter 17-2, F.A.C., or in this permit is being violated, it may require the owner or operator of the source to conduct compliance tests which identify the nature and quantity of pollutant emissions from the source and to provide a report on the results of the tests to the Department.

8. This permit does not preclude compliance with any applicable local permitting requirements and regulations.

9. This facility shall comply with all applicable provisions of Chapter 403, Florida Statutes, and Chapters 17-2 and 17-4, Florida Administrative Code.

10. The permittee is required to lower the facility's impact to the acceptable ambient concentrations (AAC) for hexane before the expiration date of this permit.

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

12. An application for an operation permit must be submitted to the Northeast 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. 17-4.220).

13. The permittee shall be required to submit annual reports on the actual operation and emissions of the facility. Material balance reports are required and shall be sent to the Northeast District office to assess emissions and maintain VOC emissions inventory. The quantity of lids processed shall be included in the report. This report shall also include but not be limited to manufacturer's certification, coating usage records, hours of operation, and test results. EPA Reference Method 24 or any other method approved by the Department shall be used to verify compliance with the VOC emission limits.

PERMITTEE: Metal Container

Permit Number: AC 01-159304  
Expiration Date: July 31, 1991

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

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

---

Dale Twachtman, Secretary



State of Florida  
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee	
To: _____	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

# Interoffice Memorandum

To: Teresa Heron

From: Tom Rogers *TR*

Date: May 31, 1989

Subject: Metal Container Corp. -- Air Quality Assessment

I have completed an assessment of the potential air quality impacts due to Metal Container Corp. (MCC). The pollutants evaluated were Hexane and Heptane. The results indicate that the release of Hexane from this facility may result in concentration levels above the defined acceptable ambient concentration level on property outside the control of MCC.

The emissions of hexane and heptane from the facility were derived from information provided by the applicant. The facility-wide emissions were determined to be 22.22 lb/hr of hexane and 7.24 lb/hr of heptane. From drawings provided by the applicant, the emissions were released through 13 vents located on the roof. The total emissions for each pollutant were distributed among the 13 vents as weighted by the flow rates associated with each vent. This information was used to estimate the ground-level ambient concentrations of these substances using an air quality dispersion model. The EPA and Department-approved Industrial Source Complex (ISC) short-term model was run with one year of meteorological data (Tallahassee, 1985). Emissions from the vents were assumed to have no plume rise (i.e., gas temperatures were near ambient and gas velocities were zero) and occurred 24 hours per day. The building dimensions were input to the model to incorporate the effects of building wake downwash.

The acceptable ambient concentration levels for these pollutants are:

<u>Pollutant</u>	<u>8-hr (ug/m<sup>3</sup>)</u>	<u>24-hour (ug/m<sup>3</sup>)</u>
Hexane	3600	857
Heptane	32,000	7619

The predicted maximum concentrations are:

<u>Pollutant</u>	<u>8-hr (ug/m<sup>3</sup>)</u>	<u>24-hour (ug/m<sup>3</sup>)</u>
Hexane	2825	1617
Heptane	920	527

Teresa Heron  
May 31, 1989  
Page 2

The 24-hour AAC for Hexane is exceeded. A reduction in emissions or hours of operation may be necessary. The results of this analysis should be used in conjunction with other environmental and engineering factors in making any final decision. Reasonable effort should be made to achieve the acceptable ambient concentration levels, however, predicted exceedance of these levels should probably not be used as the sole basis for permit denial.

**SENDER:** Complete items 1. and 2. when additional services are desired, and complete items 3 and 4.  
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☐ Show to whom delivered, date, and addressee's address. (Extra charge) 2. ☐ Restricted Delivery (Extra charge)

<b>3. Article Addressed to:</b> Mr. Robert M. Lanham Environmental Engineer Anheuser-Busch Companies, Inc. Executive Office St. Louis Missouri 63118-1852	<b>4. Article Number</b> P 274 007 496 <b>Type of Service:</b> <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise Always obtain signature of addressee or agent and DATE DELIVERED.
<b>5. Signature — Address</b> X	<b>8. Addressee's Address (ONLY if requested and fee paid)</b>
<b>6. Signature — Agent</b> X <i>Gary L. Lamm</i>	
<b>7. Date of Delivery</b>	

PS Form 3811, Mar. 1988

\* U.S.G.P.O. 1988-212-865

DOMESTIC RETURN RECEIPT

P 274 007 496

**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL  
(See Reverse)

\* U.S.G.P.O. 1985-480-794

Sent to	
Mr. Robert M. Lanham	
Street and No.	
One Busch Place	
P.O., State and ZIP Code	
St. Louis, Missouri	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	
Mailed: 4-26-89	
Permit: AC 01-159304	

PS Form 3800, June 1985





# *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

April 26, 1989

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Robert M. Lanham  
Environmental Engineer  
Anheuser-Busch Companies, Inc.  
Executive Office  
St. Louis, Missouri 63118-1852

Dear Mr. Lanham:

Re: AC 01-159304 Lid Module No. 6

This letter is to confirm your telephone conversation with Mr. Tom Rogers on April 21, 1989, regarding your application's air quality modeling data.

The data needed to complete your application follows:

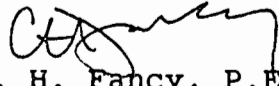
Emission rate (lbs/hr) for each pollutant, for each source.

Source Characteristics: Stack or vent height above ground  
Stack diameter or vent size  
Gas exit temperature  
Gas flow rate or velocity  
Location of each source

Facility Characteristics: Buildings or structures sizes and locations  
Property boundaries

If you have any questions about the data requested, please call Tom Rogers, Meteorologist, at (904)488-1344 or write to me at the above address.

Sincerely,

  
C. H. Fancy, P.E.  
Deputy Chief  
Bureau of Air Quality  
Management

CHF/TH/s

cc: J. Cole  
G. Reynolds



**ANHEUSER-BUSCH COMPANIES**

March 6, 1989

Ms. Teresa Heron  
Florida Department of Environmental  
Regulations  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Re: Metal Container Corporation  
Gainesville, Florida  
AC01-159304

Dear Ms. Heron:

The purpose of this letter is to answer the questions raised in your February 1, 1989 letter.

1) Process Description

Aluminum coil stock is punched and pressed into "shells." Shell rims are curled. End sealant compound is injected into the curl. Finishing steps occur at the conversion press. These steps include embossing, scoring of the opening, tab fabrication, and riveting of the finished tabs to the embossed and scored ends.

- 2) The only coatings to be used in this plant are listed in Section V. A Material Safety Data Sheet for each coating is attached.
- 3) The calculations below list maximum hourly emissions and the attached spreadsheet details annual emissions for the proposed expansion.

Maximum Emission Rate

$$3.59 \frac{\text{gals}}{\text{hr}} \text{ end sealant} \times 3.06 \frac{\text{lbs VOC}}{\text{gal end sealant}} = 10.98 \text{ lbs VOC}$$

$$1.27 \frac{\text{gals}}{\text{M}} \text{ tab lube} \times 5.99 \frac{\text{lbs VOC}}{\text{gal tab lube}} = 7.63 \text{ lbs VOC}$$

$$0.76 \frac{\text{gals}}{\text{M}} \text{ hexane} \times 4.35 \frac{\text{lbs VOC}^*}{\text{gal mineral}} = 3.29 \text{ lbs VOC}$$

TOTAL - 22.17 lbs/hr

\*Remainder is recovered

PM  
3-7-89  
St. Louis, MO

file copy

RECEIVED

MAR 9 1989

DER-BAQM



**ANHEUSER-BUSCH COMPANIES**

One Busch Place  
St. Louis, MO 63118-1852

Ms. Teresa Heron  
Florida Department of Environmental  
Regulations  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400



Ms. Teresa Heron  
Florida Dept. of Env. Regulation  
Page 2

4) There are no stacks associated with this facility.

If you need any additional information, please contact me at  
(314) 577-4168.

Sincerely,

ANHEUSER-BUSCH COMPANIES, INC.

*Bob Lanham*

Robert M. Lanham  
Environmental Engineer


RML:cd

RML36

*copied: J. Heron  
B. Stewart, NE Dist  
CHF/BT*

**SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.  
Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☐ Show to whom delivered, date, and addressee's address. 2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to:  Mr. Gary L. Reynolds Metal Container Corp. 5909 N.W. 18th Drive Gainesville, FL 32606	4. Article Number P 274 007 571 Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature — Address X <i>G. W. Prince</i>	8. Addressee's Address (ONLY if requested and fee paid) 
6. Signature — Agent X	
7. Date of Delivery	

PS Form 3811, Mar. 1988

\* U.S.G.P.O. 1988-212-865

DOMESTIC RETURN RECEIPT

HCPS

P 274 007 571

**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL  
(See Reverse)

\* U.S.G.P.O. 1985-480-794

Sent to	Mr. Gary L. Reynolds, Metal
Street and No.	Container Corp
	5909 N.W. 18th Dr.
P.O. State and ZIP Code	Gainesville, FL 32606
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	
Permit: AC 01-159304	
Mailed: 2-2-89	

PS Form 3800, June 1985



## *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

February 1, 1989

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Gary L. Reynolds, Plant Manager  
Metal Container Corporation  
Anheuser-Busch Companies  
5909 NW 18<sup>th</sup> Drive  
Gainesville, Florida 32606

Dear Mr. Reynolds:

Re: AC 01-159304

The Bureau of Air Quality Management (BAQM) has received your application for a permit to construct/modify an aluminum lid manufacturing operation at your facility located in Gainesville, Alachua County, Florida.

Based on our initial review of your proposal, it has been determined that the following additional information is needed to complete your applications.

- o Give a brief description of your process.
- o Is the company planning to use coatings other than the one listed in Section V? What is the chemical composition (CAS number & chemical compound name) of each one of the proposed coatings? Include a material safety data sheet for each compound.
- o Submit a table indicating emission rates (lbs/hr and tons/yr) for each chemical compound used in order to evaluate acceptable ambient concentrations.
- o For our records, submit emission stack geometry and flow characteristics information.

Mr. Gary L. Reynolds, Plant Manager  
Page Two  
February 1, 1989

If you have question about the information requested, please call  
Teresa Heron, Review Engineer, at (904) 488-1344 or write to me  
at the above address.

Sincerely,

A handwritten signature in black ink, appearing to read 'C. H. Fancy', with a long horizontal flourish extending to the right.

C. H. Fancy, P.E.  
Deputy Chief  
Bureau of Air Quality  
Management

CHF/TH/s

cc: J. Cole, NW District

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

NORTHEAST DISTRICT  
3426 BILLS ROAD  
JACKSONVILLE, FLORIDA 32207  
904/798-4200

RECEIVED

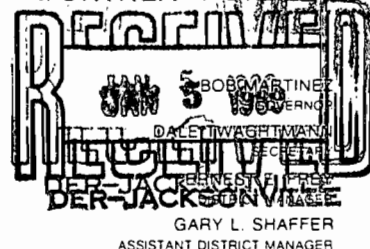
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DER-BAQM



AC01-159304

\$1000 pd.  
1-11-89



APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Aluminum Lid Manufacturing [ ] New<sup>1</sup> [X] Existing<sup>1</sup>

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

COMPANY NAME: Metal Container Corporation COUNTY: Alachua

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) Lid Module No. 6

SOURCE LOCATION: Street 5909 N.W. 18th Drive City Gainesville

UTM: East 369.38 Km North 3287.23 Km

Latitude 29 ° 42 ' 5 "N Longitude 82 ° 20 ' 53 "W

APPLICANT NAME AND TITLE: Gary L. Reynolds, Plant Manager

APPLICANT ADDRESS: 5909 N.W. 18th Drive; Gainesville, FL 32606

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative\* of Metal Container Corporation

I certify that the statements made in this application for a construction permit 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: Gary L. Reynolds

Gary L. Reynold, Plant Manager  
Name and Title (Please Type)

Date: 12/21/88 Telephone No. 904/378-8800

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 the permit application. There is reasonable assurance, in my professional judgment, that

<sup>1</sup> 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 John H. Schamburg

John H. Schamburg

Name (Please Type)

Metal Container Corporation

Company Name (Please Type)

10733 Sunset Office Drive

Sunset Hills, MO 63127-1010

Mailing Address (Please Type)

Florida Registration No. 29984 Date: 21 Dec 88 Telephone No. 314/957-9556

## 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.

This project will consist of the addition of two 3-lane conversion presses, three  
end liners and one shell press. This facility will remain in full compliance  
after the completion of this project.

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

Start of Construction 6/1/89 Completion of Construction 11/1/90

- 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.)

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

Permit No. A001-144728 issued April 20, 1988, revised 9/23/88 expires May 1, 1993

E. Requested permitted equipment operating time: hrs/day 24; days/wk 7; wks/yr 52;  
if power plant, hrs/yr \_\_\_\_\_; if seasonal, describe: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

1. Is this source in a non-attainment area for a particular pollutant? \_\_\_\_\_
    - 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. \_\_\_\_\_
  3. Does the State "Prevention of Significant Deterioration" (PSD)  
requirement apply to this source? If yes, see Sections VI and VII. \_\_\_\_\_
  4. Do "Standards of Performance for New Stationary Sources" (NSPS)  
apply to this source? \_\_\_\_\_
  5. Do "National Emission Standards for Hazardous Air Pollutants"  
(NESHAP) apply to this source? \_\_\_\_\_
- H. Do "Reasonably Available Control Technology" (RACT) requirements apply  
to this source? \_\_\_\_\_
- 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 justifi-  
cation 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		
End Sealant	VOC	39	28.15	
Tab Lube	VOC	93	8.21	
Hexane	VOC	77.7*	4.23	
Mineral Spirits	VOC	100	0.27	
Aluminum	-	-		

\*remainder is recovered

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

1. Total Process Input Rate (lbs/hr): 2434
2. Product Weight (lbs/hr): 1974

#### 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	
VOC	22.15	87.4			22.15	87.4	

<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)

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.

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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


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).

2. Instrumentation, Field and Laboratory

- a. Was instrumentation EPA referenced or its equivalent? ☐ Yes ☐ No
- b. Was instrumentation calibrated in accordance with Department procedures?  
☐ Yes ☐ No ☐ Unknown

B. Meteorological Data Used for Air Quality Modeling

1. \_\_\_\_\_ Year(s) of data from \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ to \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
month day year month day year
2. Surface data obtained from (location) \_\_\_\_\_
3. Upper air (mixing height) data obtained from (location) \_\_\_\_\_
4. Stability wind rose (STAR) data obtained from (location) \_\_\_\_\_

C. Computer Models Used

1. \_\_\_\_\_ Modified? If yes, attach description.
2. \_\_\_\_\_ Modified? If yes, attach description.
3. \_\_\_\_\_ Modified? If yes, attach description.
4. \_\_\_\_\_ Modified? If yes, attach description.

Attach copies of all final model runs showing input data, receptor locations, and principle output tables.

D. Applicants Maximum Allowable Emission Data

Pollutant	Emission Rate
TSP	_____ grams/sec
SO <sup>2</sup>	_____ grams/sec

E. Emission Data Used in Modeling

Attach list of emission sources. Emission data required is source name, description of point source (on NEDS point number), UTM coordinates, stack data, allowable emissions, and normal operating time.

F. Attach all other information supportive to the PSD review.

G. Discuss the social and economic impact of the selected technology versus other applicable technologies (i.e., jobs, payroll, production, taxes, energy, etc.). Include assessment of the environmental impact of the sources.

H. Attach scientific, engineering, and technical material, reports, publications, journals, and other competent relevant information describing the theory and application of the requested best available control technology.

METAL CONTAINER CORPORATION  
VOC EMISSION CALCULATIONS

SECTION III, C. - Maximum Emission Rate

$$3.59 \frac{\text{gals}}{\text{hr}} \text{ end sealant} \times 3.06 \frac{\text{lbs VOC}}{\text{gal end sealant}} = 10.98 \text{ lbs VOC}$$

$$1.27 \frac{\text{gals}}{\text{M}} \text{ tab lube} \times 5.99 \frac{\text{lbs VOC}}{\text{gal tab Tube}} = 7.63 \text{ lbs VOC}$$

$$0.76 \frac{\text{gals}}{\text{M}} \text{ hexane} \times 4.35 \frac{\text{lbs VOC}^*}{\text{gal mineral}} = 3.29 \text{ lbs VOC}$$

TOTAL - 22.17 lbs/hr

\*remainder is recovered

SECTION III, C. - Actual annual tonnage

See attached spreadsheet.

METAL CONTAINER CORPORATION  
PROCESS RATE DERIVATION

SECTION V, Item 1

1. Total Process Input Rate

a) Aluminum Shell Stock

$$3600 \frac{\text{shells}}{\text{min}} \times 60 \frac{\text{min}}{\text{hr}} \times \frac{9.1445 \text{ lbs aluminum}}{1000 \text{ shells}} = 1975.2 \text{ lb/hr}$$

b) Aluminum Tab Stock

$$3600 \frac{\text{tabs}}{\text{min}} \times 60 \frac{\text{min}}{\text{hr}} \times \frac{1.9960 \text{ lbs aluminum}}{1000 \text{ tabs}} = 431.1 \text{ lbs/hr}$$

c) End Sealant Compound

$$3600 \frac{\text{lids}}{\text{min}} \times 60 \frac{\text{min}}{\text{hr}} \times \frac{0.13 \text{ lbs sealant}}{1000 \text{ lids}} = 28.1 \text{ lbs/hr}$$

d) Total input = 2434 lbs/hr

2. Total Product Rate

a) Finished Aluminum Lids

$$3600 \frac{\text{lids}}{\text{min}} \times 60 \frac{\text{min}}{\text{hr}} \times \frac{9.059 \text{ lbs aluminum}}{1000 \text{ lids}}$$

+

$$3.58 \frac{\text{gals}}{\text{hr}} \text{ End Sealant} \times 7.85 \frac{\text{lbs}}{\text{gal}} \times 0.61 \text{ solids} = 1973.9 \text{ lbs/hr}$$

b) Aluminum Scrap

$$3600 \frac{\text{lids}}{\text{min}} \times 60 \frac{\text{min}}{\text{hr}} \times \frac{2.0815 \text{ lbs Scrap}}{1000 \text{ lids}} = 449.6 \text{ lbs/hr}$$

c) Volatile Emissions

$$3.58 \frac{\text{gals}}{\text{hr}} \text{ End Sealant} \times 7.85 \frac{\text{lbs}}{\text{gal}} \times 0.39 \text{ volatiles} = 11.0 \text{ lbs/hr}$$

d) Total output = 2434 lbs/hr

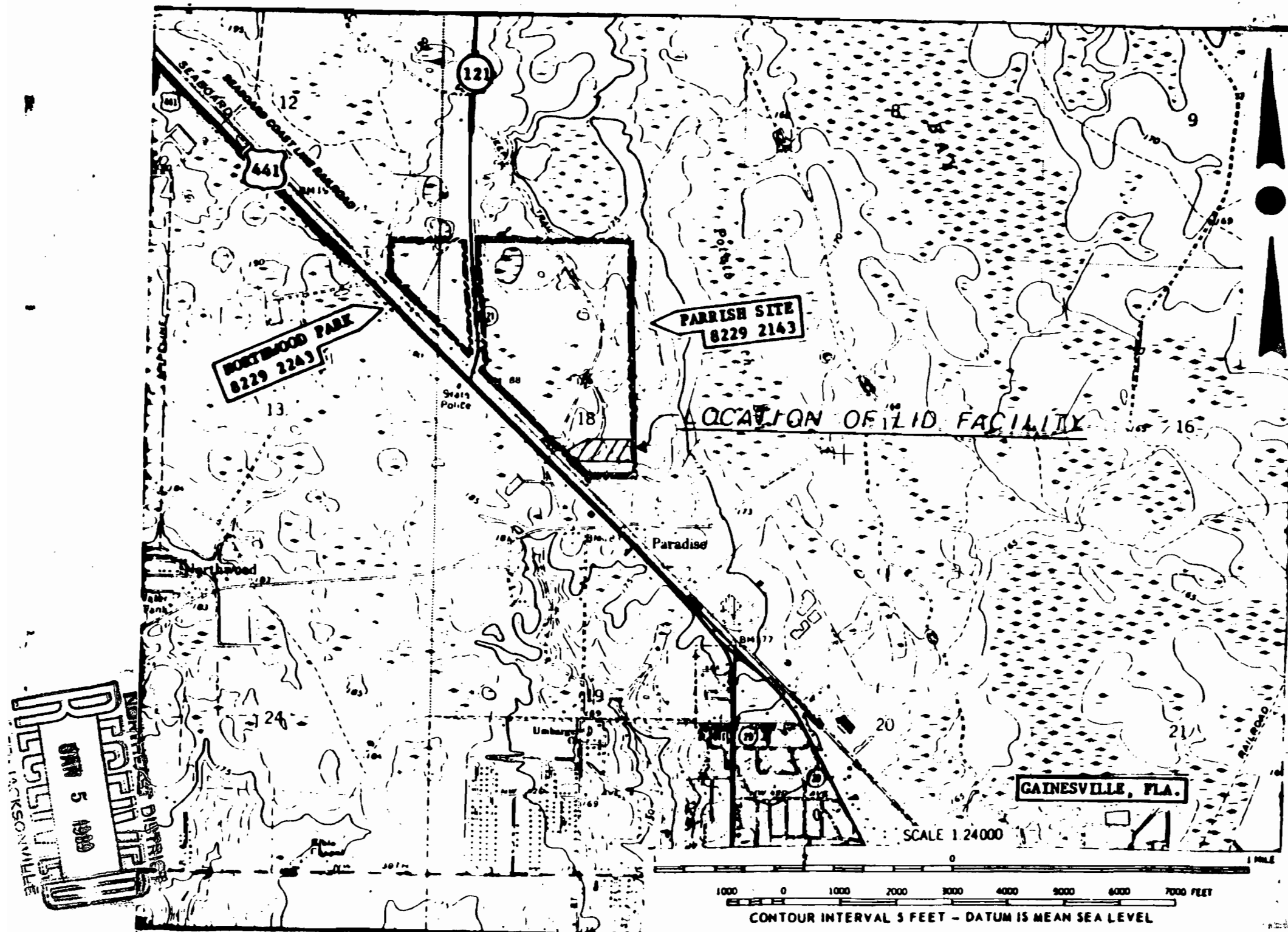
METAL CONTAINER CORPORATION  
 GAINESVILLE LID MANUFACTURING FACILITY  
 VOLATILE ORGANIC COMPOUND EMISSIONS ESTIMATE (GNSVEXP)  
 ALL MODULES @ 90% EFFICIENCY

11th PRESS @ 1800 LPM                    8.515E+08 LIDS PER YEAR  
 12th PRESS @ 1800 LPM                    8.515E+08 LIDS PER YEAR  
                                          TOTAL                    1.703E+09 LIDS PER YEAR

*****						
COATING/SOLVENT	TYPICAL MANUFACTURERS IDENTIFICATION	USAGE (GALLONS)	DENSITY (LBS PER GALLON)	VOC CONTENT (WEIGHT FRACTION)	VOC EMISSIONS (TONS PER YEAR)	USAGE RATE (PER 1000 CANS)
*****						
11th PRESS						
END SEALANT COMPOUND	DEXTER MIDLAND 2140	14,134	7.85	0.390	21.63	0.0166
TAB LUBE	JENKIN-GUERIN #3810	5,024	6.44	0.930	15.04	0.0059
CLEAN-UP SOLVENTS	HEXANE	2,980	5.60	0.777 *	6.48	0.0035
	MINERAL SPIRITS	166	6.32	1.000	0.52	0.0002
12th PRESS						
END SEALANT COMPOUND	DEXTER MIDLAND 2140	14,134	7.85	0.390	21.63	0.0166
TAB LUBE	JENKIN-GUERIN #3810	5,024	6.44	0.930	15.04	0.0059
CLEAN-UP SOLVENTS	HEXANE	2,980	5.60	0.777 *	6.48	0.0035
	MINERAL SPIRITS	166	6.32	1.000	0.52	0.0002
TOTAL FACILITY VOC EMISSIONS					87.35	

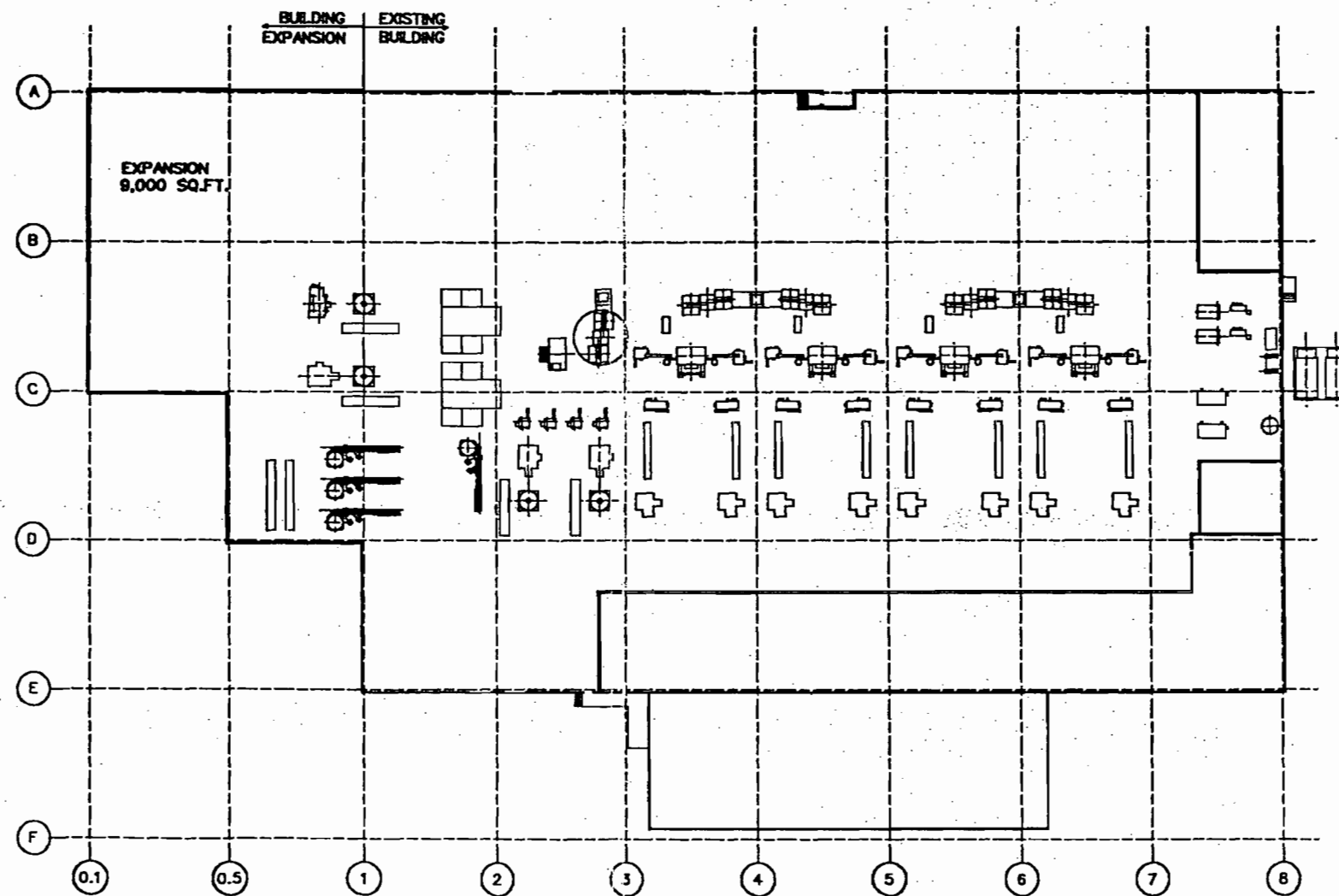
\* REMAINDER IS RECOVERED











NOTE: THIS IS A C. A. D. PRODUCED DRAWING / DO NOT MAKE ANY CHANGES ON THIS DRAWING

NORTHEAST DISTRICT  
**RECEIVED**  
 JAN 5 1988  
**RECEIVED**  
 DER-JACKSONVILLE

NE

CONSULTANT  
**The Benham Group**  
 178 Midway Creek Court  
 Suite 200  
 St. Louis, MO 63131-1526

EXPANSION FLOOR PLAN	
DESIGNED BY JAN 5 1988	CHECKED BY JAN 5 1988
DRAWN BY JAN 5 1988	IN CHARGE JAN 5 1988
PROJECT NO. 1-M88-PD:0	



**Metal Container Corporation**

ONE OF THE ANHEUSER-BUSCH COMPANIES

044514

CHECK NO.	044514	DATE	01/04/89	VENDOR NO.	
VENDOR	Dept. of Environmental Regulations				

INVOICE NUMBER	INVOICE DATE	INVOICE DESCRIPTION	RECEIVED FLORIDA DEPT. OF ENVIRONMENTAL REGULATIONS 1989 JAN 10 AM 10 40 1031	DISCOUNTS, TAXES, RETENTION	NET AMOUNT
	01/04/89	App. & Permit Fee Construct 6th Module			\$250.00
<p>cl for air const. app. 1031 Rec'd in pay 1-5-89 " " sal. 1-6-89 Send cash listing to Patty Adams</p>					

DETACH BEFORE DEPOSITING

TOTALS

GROSS AMOUNT

NET AMOUNT

\$250.00



**Metal Container Corporation**

ONE OF THE ANHEUSER-BUSCH COMPANIES

0215

044514

CHECK DATE	CHECK NUMBER
01/04/89	044514

66-35  
531

TO  
THE  
ORDER  
OF:

DEPT. OF ENVIRONMENTAL REGULATIONS  
STATE OF FLORIDA

Wachovia

Wachovia Bank & Trust Company, N.A.

PAY THIS AMOUNT

\$ \*\*\*250.00

METAL CONTAINER CORPORATION

AUTHORIZED SIGNATURE

AUTHORIZED SIGNATURE



**Metal Container  
Corporation**

ONE OF THE ANHEUSER-BUSCH COMPANIES

RECEIVED  
DER - MAIL ROOM  
1989 JAN 11 AM 10:53

January 9, 1989

Ms. Patty Adams  
State of Florida  
Department of Environmental Regulations  
Twin Towers Office Building  
266 Blair Stone Rd.  
Tallahassee, FL 32301-8241

001031

Dear Ms. Adams:

I apologize for our misinformation, please find enclosed our check in the amount of \$750.00 to cover our application for expansion.

Sincerely,

John Lutz  
Plant Engineer

JL:am

enclosure



**Metal Container  
Corporation**

ONE OF THE ANHEUSER-BUSCH COMPANIES

0222

044595

CHECK DATE

01/09/89

CHECK NUMBER

044595

66-35  
531

TO  
THE  
ORDER  
OF:

STATE OF FLORIDA  
DEPT. OF ENVIRONMENTAL REGULATIONS  
Twin Towers Office Building  
2600 Blair Stone Rd.  
Tallahassee, FL 32301-8241

**Wachovia**  
Wachovia Bank & Trust Company, N.A.

**PAY THIS AMOUNT**

\$ \*\*\*750.00

METAL CONTAINER CORPORATION

AUTHORIZED SIGNATURE

AUTHORIZED SIGNATURE



**Metal Container  
Corporation**

ONE OF THE ANHEUSER-BUSCH COMPANIES

044595

CHECK NO.

044595

DATE

1/9/89

VENDOR NO.

VENDOR

DEPT. OF ENVIRONMENTAL REGULATIONS

INVOICE  
NUMBER

INVOICE  
DATE

INVOICE DESCRIPTION

GROSS AMOUNT

DISCOUNTS, TAXES,  
RETENTION

NET AMOUNT

1/9/89

APPLICATION FEE  
Gainesville Expansion

\$750.00

DETACH BEFORE DEPOSITING

TOTALS

GROSS AMOUNT

NET AMOUNT

\*\*\*\$750.00

## DEPARTMENT OF ENVIRONMENTAL REGULATION

ROUTING AND  
TRANSMITTAL SLIP

ACTION NO

ACTION DUE DATE

1. TO: (NAME, OFFICE, LOCATION)

Bill Thomas, DARN, BARM, CAPS

Initial

Date

Initial

Date

Initial

Date

Initial

Date

4.

## REMARKS:

This ACP is for an  
increase of 87.4 TPY of  
VOC at a facility  
permitted to emit  
235.59 TPY of VOC.

A check for \$250 is  
enclosed.

## INFORMATION

Review &amp; Return

Review &amp; File

Initial &amp; Forward

## DISPOSITION

Review &amp; Respond

Prepare Response

For My Signature

For Your Signature

Let's Discuss

Set Up Meeting

Investigate &amp; Report

Initial &amp; Forward

Distribute

Concurrence

For Processing

Initial &amp; Return

FROM:

Johnny Cole

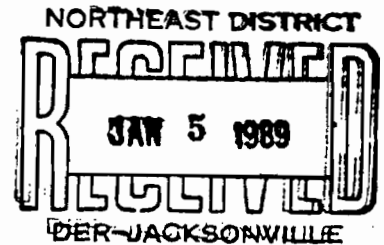
DATE

01-05-89

PHONE



ANHEUSER-BUSCH COMPANIES



December 28, 1988

RECEIVED

JAN 11 1989

DER-BAQM

Mr. W. P. Stewart, P.E.  
State of Florida  
Department of Environmental Regulation  
Northeast District  
3426 Bills Road  
Jacksonville, Florida 32207

re: Metal Container Corporation  
Gainesville, Florida 32207

Dear Mr. Stewart:

Metal Container Corporation is proposing to expand its lid manufacturing facility in Gainesville, Florida. This expansion will include enlargement of the building and the addition of the following process equipment:

- 1 - shell press
- 3 - end liners
- 2 - three-lane conversion presses

This expansion will provide the capability to produce an additional 3600 lids per minute. This expansion is estimated to increase VOC emissions by 87.4 tons per year. A completed application and a check for \$250.00 is attached for a permit to construct for this proposed expansion.

If you have any or need additional information concerning this request please contact me at (314) 577-4168.

Sincerely,

ANHEUSER-BUSCH COMPANIES

Mr. Robert M. Lanham  
Environmental Engineer

RML/vrg  
Att.  
121988

DEPARTMENT OF ENVIRONMENTAL REGULATION

**ROUTING AND  
TRANSMITTAL SLIP**

ACTION NO

ACTION DUE DATE

1. TO: (NAME, OFFICE, LOCATION)

*Bill Thomas, B&QM*

Initial

Date

2.

Initial

Date

3.

Initial

Date

4.

Initial

Date

REMARKS:

*Attached is an ACP  
from Metal Container.*

*Information from  
District office*

*March 1988*

**INFORMATION**

Review & Return

Review & File

Initial & Forward

**DISPOSITION**

Review & Respond

Prepare Response

For My Signature

For Your Signature

Let's Discuss

Set Up Meeting

Investigate & Report

Initial & Forward

Distribute

Concurrence

For Processing

Initial & Return

FROM:

*Johnny Cole*

DATE

*03-10-88*

PHONE



Alachua Co. - AP  
Metal Container  
ACP to mod facility

03-10-88

Mtg w/ John Stier & Bob Lanham  
to discuss permitting requirements for  
proposed modification (expanded by adding a  
press & change materials used to lower  
VOC emissions enough to prevent an  
increase of VOC). Said have changed end resistant yd. &  
I said would have to discuss w/ <sup>stages using spray mtl</sup>  
BACM to decide -

1. If ~~BACM~~ BACM will use this request as  
a 'window' to put this facility under  
federally enforceable conditions.
2. If will require a CP issued by NED?  
Probably not since this is a major  
facility.
3. Modify the OP by adding module 5  
w/o an emissions increase.

Called BT; out; discussed w/ BM; he  
said send copy of ACP & they ~~is~~ probably  
will process. A copy was sent. *[initials]*

03-17 Bob Lanham called.

I called BT; he will check & advise.

Called Bob L.; will call him as soon as hear from

03-25 Called BT; he said process it here. *[initials]*

Called BL; he out; left msg. *[initials]*

3/10

module 1-3

end	19.22
tab	11.10
clean	5.76
mineral spt	<u>.47</u>
	36.55 x 3 =

mod 4

28.83
- 16.65
8.64
<u>.70</u>
54.82

14.42
8.33
4.32
<u>.35</u>
27.42

191.89

mod 5

21.63
15.04
6.48
<u>.52</u>
43.67

235.56

3/10

'88' rates	mod	end	Tab	Chan	min lapt
	1-3	57.66	33.30	17.28	1.41
{	4	28.83	16.65	8.64	.70
		<u>14.42</u>	<u>8.33</u>	<u>4.32</u>	<u>.35</u>
		100.91	58.28	30.24	2.46
		157.90	50.67	25.13	1.56
'86 AOR <sup>2</sup>					
	5	21.63	15.04	6.48	.52

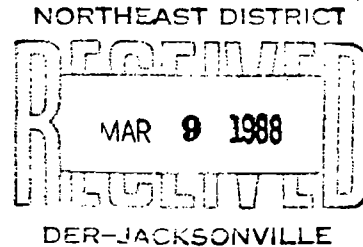
- 1 # of lids  $3.97 \times 10^9$
- 2 spray mist 3.19 TPY VOC
- 2 # of lids  $3.252 \times 10^9$



**ANHEUSER-BUSCH COMPANIES**

March 3, 1988

Mr. W. P. Stewart, P.E.  
State of Florida  
Department of Environmental Regulation  
3426 Bills Road  
Jacksonville, FL 32207



Metal Container Corporation, Gainesville, Florida

Dear Mr. Stewart:

On January 29, 1988, Metal Container Corporation submitted an application to renew the operating permit at the Gainesville, Florida facility. Since that submittal, Metal Container Corporation has decided to expand and modernize this facility. This expansion/modernization will be done by increasing the speed of existing conversion presses and installing one additional conversion press. For this reason we are requesting a modification to the existing operating permit.

The new conversion press is a three-lane Bruderer capable of producing 1800 lids per minute. The three existing two-lane Bruderer presses speed will be increased to 600 strokes per minute, which will enable them to produce 1200 lids per minute each.

A completed application and a check for \$250.00 is attached for a permit to construct for this new conversion press. In an effort to reduce paperwork we are requesting that the existing permit be modified to include this new equipment.

The present operating permit limits emissions of volatile organic compounds to 239.2 tons per year. No increase in emissions will occur due to this expansion/modernization. Any increase in emissions that would have been realized will be offset by discontinuing the use of spray mist. Therefore the only modification requested is for the operating permit to reflect the operation of five (5) rather the four (4) modules. All other permit conditions will remain the same.

I will contact you early next week to see if this modification meets with your approval so that installation of the equipment can begin. If you have any questions or need additional information concerning this request please contact me at (314) 577-4168.

Sincerely,

Mr. Robert M. Lanham  
Environmental Engineer

RML/vrg  
Att.

Robert M. Lanham  
Environmental Engineer



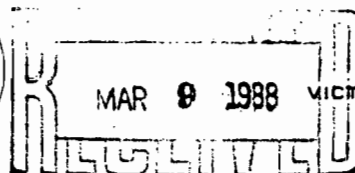
**ANHEUSER-BUSCH COMPANIES**

Anheuser-Busch Companies Inc.  
Executive Office  
One Busch Place  
St. Louis, MO 63116-1852  
(314) 577-4168

One Busch Place (202-4)  
St. Louis, MO, U.S.A. 63116-1852  
(314) 577-4168

## DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32301-8241



BOB GRAHAM  
GOVERNOR

VICTORIA J. TSCHINKEL  
SECRETARY

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCE<sup>1</sup>

SOURCE TYPE: Aluminum Lid Manufacturing ☒ New<sup>1</sup> ☐ Existing<sup>1</sup>

APPLICATION TYPE: ☒ Construction ☐ Operation ☐ Modification

COMPANY NAME: Metal Container Corporation COUNTY: Alachua

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) Lid Module No. 5

SOURCE LOCATION: Street 5909 N.W. 18th Drive City Gainesville

UTM: East 369.38 Km North 3287.23 Km

Latitude 29 ° 42 ' 5 "N Longitude 82 ° 20 ' 53 "W

APPLICANT NAME AND TITLE: Gary L. Reynolds, Plant Manager

APPLICANT ADDRESS: 5909 N.W. 18th Drive, Gainesville, FL 32606

## SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

## A. APPLICANT

I am the undersigned owner or authorized representative\* of Metal Container Corporation

I certify that the statements made in this application for a Construction permit 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: Gary L. Reynolds

Gary L. Reynolds, Plant Manager  
Name and Title (Please Type)

Date: 3-8-88 Telephone No. (904) 378-8800

## 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 the permit application. There is reasonable assurance, in my professional judgment, that

<sup>1</sup> 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 John H. Schamburg

John H. Schamburg

Name (Please Type)

Metal Container Corporation

Company Name (Please Type)

10733 Sunset Office Drive  
Sunset Hills, MO 63127-1010

Mailing Address (Please Type)

Florida Registration No. 29984 Date: 3/15/88 Telephone No. (314) 957-9556

## 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.

One three-lane Bruderer conversion press capable of producing 1800  
lids/minute will be added to the existing plant

- B. Schedule of project covered in this application (Construction Permit Application Only)  
As soon as approval  
Start of Construction is received 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.)

A001-68876 expires May 1, 1988 (renewal filed 1/29/88)

- 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 24 ; days/wk 7 ; wks/yr 52 ;  
if power plant, hrs/yr \_\_\_\_\_ ; 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. \_\_\_\_\_

3. Does the State "Prevention of Significant Deterioration" (PSD)  
requirement apply to this source? If yes, see Sections VI and VII. \_\_\_\_\_

4. Do "Standards of Performance for New Stationary Sources" (NSPS)  
apply to this source? \_\_\_\_\_

5. Do "National Emission Standards for Hazardous Air Pollutants"  
(NESHAP) apply to this source? \_\_\_\_\_

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 justifi-  
cation 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		
End Sealant	VOC	39	14.05	
Tab lube	VOC	93	4.12	
Hexane	VOC	77.7*	2.13	
Mineral Spirits	VOC	100	0.13	
Aluminum	---	--		

\*remainder is recovered

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

1. Total Process Input Rate (lbs/hr): 1217
2. Product Weight (lbs/hr): 987

#### 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	
VOC	11.09	43.7			11.09	43.7	

<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)

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.

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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 D (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.

## Best Available Copy

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


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

Contaminant

Rate or Concentration


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

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:

Explain method of determining efficiency.

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).

2. Instrumentation, Field and Laboratory

- a. Was instrumentation EPA referenced or its equivalent? ☐ Yes ☐ No
- b. Was instrumentation calibrated in accordance with Department procedures?  
☐ Yes ☐ No ☐ Unknown

B. Meteorological Data Used for Air Quality Modeling

1. \_\_\_\_\_ Year(s) of data from \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ to \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
month day year month day year
2. Surface data obtained from (location) \_\_\_\_\_
3. Upper air (mixing height) data obtained from (location) \_\_\_\_\_
4. Stability wind rose (STAR) data obtained from (location) \_\_\_\_\_

C. Computer Models Used

1. \_\_\_\_\_ Modified? If yes, attach description.
2. \_\_\_\_\_ Modified? If yes, attach description.
3. \_\_\_\_\_ Modified? If yes, attach description.
4. \_\_\_\_\_ Modified? If yes, attach description.

Attach copies of all final model runs showing input data, receptor locations, and principle output tables.

D. Applicants Maximum Allowable Emission Data

Pollutant	Emission Rate
TSP	_____ grams/sec
SO <sub>2</sub>	_____ grams/sec

E. Emission Data Used in Modeling

Attach list of emission sources. Emission data required is source name, description of point source (on NEDS point number), UTM coordinates, stack data, allowable emissions, and normal operating time.

F. Attach all other information supportive to the PSD review.

G. Discuss the social and economic impact of the selected technology versus other applicable technologies (i.e., jobs, payroll, production, taxes, energy, etc.). Include assessment of the environmental impact of the sources.

H. Attach scientific, engineering, and technical material, reports, publications, journals, and other competent relevant information describing the theory and application of the requested best available control technology.



METAL CONTAINER CORPORATION  
VOC EMISSION CALCULATIONS

SECTION III, C. - Maximum emission rate

$$\begin{array}{llll} 1.79 \frac{\text{gals}}{\text{hr}} \text{ end sealant} & \times 3.06 \frac{\text{lbs VOC}}{\text{gal end sealant}} & = 5.48 \text{ lbs VOC} \\ 0.64 \frac{\text{gals}}{\text{hr}} \text{ tab lube} & \times 5.99 \frac{\text{lbs VOC}}{\text{gal tab lube}} & = 3.83 \text{ lbs VOC} \\ 0.38 \frac{\text{gals}}{\text{hr}} \text{ hexane} & \times 4.35 \frac{\text{lbs VOC}^*}{\text{gal hexane}} & = 1.65 \text{ lbs VOC} \\ 0.02 \frac{\text{gals}}{\text{hr}} \text{ mineral spirits} & \times 6.32 \frac{\text{lbs VOC}}{\text{gal mineral spirits}} & = 0.13 \text{ lbs VOC} \end{array}$$

TOTAL - 11.09 lbs/hr

\*remainder is recovered

SECTION III, C. - Actual annual tonnage

See attached spreadsheet.

METAL CONTAINER CORPORATION  
PROCESS RATE DERIVATION

SECTION V, ITEM 1

1. Total Process Input Rate

a) Aluminum Shell Stock

$$1800 \frac{\text{shells}}{\text{min}} \times 60 \frac{\text{min}}{\text{hr}} \times \frac{9.1445 \text{ lbs aluminum}}{1000 \text{ shells}} = 987.7 \text{ lbs/hr}$$

b) Aluminum Tab Stock

$$1800 \frac{\text{tabs}}{\text{min}} \times 60 \frac{\text{min}}{\text{hr}} \times \frac{1.9960 \text{ lbs aluminum}}{1000 \text{ shells}} = 215.6 \text{ lbs/hr}$$

c) End Sealing Compound

$$1800 \frac{\text{lids}}{\text{min}} \times 60 \frac{\text{min}}{\text{hr}} \times \frac{1 \text{ lb Sealant}}{7926 \text{ lids}} = 13.6 \text{ lbs/hr}$$

d) Total input = 1217 lbs/hr

2. Total Product Rate

a) Finished Aluminum Lids

$$1800 \frac{\text{lids}}{\text{min}} \times 60 \frac{\text{min}}{\text{hr}} \times \frac{9.059 \text{ lbs Aluminum}}{1000 \text{ lids}} +$$

$$1.79 \frac{\text{gals}}{\text{hr}} \text{ End Sealant} \times 7.85 \frac{\text{lbs}}{\text{gal}} \times 0.61 \text{ Solids} = 986.9 \text{ lbs/hr}$$

b) Aluminum Scrap

$$1800 \frac{\text{lids}}{\text{min}} \times 60 \frac{\text{min}}{\text{hr}} \times \frac{2.0815 \text{ lbs Scrap}}{1000 \text{ lids}} = 224.8 \text{ lbs/hr}$$

c) Volatile Emissions

$$1.79 \frac{\text{gals}}{\text{hr}} \text{ End Sealant} \times 7.85 \frac{\text{lbs}}{\text{gal}} \times 0.39 \text{ volatiles} = 5.5 \text{ lbs VOC/hr}$$

d) Total Output = 1217 lbs/hr

METAL CONTAINER CORPORATION  
 GAINESVILLE LID MANUFACTURING FACILITY  
 VOLATILE ORGANIC COMPOUND EMISSIONS ESTIMATE (GNSV87D)  
 ALL MODULES @ 90% EFFICIENCY

MODULE 1 @ 1600 LPM	7.569E+08 LIDS PER YEAR
MODULE 2 @ 1600 LPM	7.569E+08 LIDS PER YEAR
MODULE 3 @ 1600 LPM	7.569E+08 LIDS PER YEAR
MODULE 4 @ 2400 LPM	1.135E+09 LIDS PER YEAR
9th PRESS @ 1200 LPM	5.676E+08 LIDS PER YEAR
10th PRESS @ 1800 LPM	8.515E+08 LIDS PER YEAR
TOTAL	4.825E+09 LIDS PER YEAR

*****						
COATING/SOLVENT	TYPICAL MANUFACTURERS IDENTIFICATION	USAGE (GALLONS)	DENSITY (LBS PER GALLON)	VOC CONTENT (WEIGHT FRACTION)	VOC EMISSIONS (TONS PER YEAR)	USAGE RATE (PER 1000 CANS)
*****						
MODULE 1						
END SEALANT COMPOUND	DEXTER MIDLAND 2140	12,564	7.85	0.390	19.22	0.0166
TAB LUBE	JENKIN-GUERIN #3810	3,709	6.44	0.930	11.10	0.0049
CLEAN-UP SOLVENTS	HEXANE	2,649	5.60	0.777 *	5.76	0.0035
	MINERAL SPIRITS	148	6.32	1.000	0.47	0.0002
MODULE 2						
END SEALANT COMPOUND	DEXTER MIDLAND 2140	12,564	7.85	0.390	19.22	0.0166
TAB LUBE	JENKIN-GUERIN #3810	3,709	6.44	0.930	11.10	0.0049
CLEAN-UP SOLVENTS	HEXANE	2,649	5.60	0.777 *	5.76	0.0035
	MINERAL SPIRITS	148	6.32	1.000	0.47	0.0002
MODULE 3						
END SEALANT COMPOUND	DEXTER MIDLAND 2140	12,564	7.85	0.390	19.22	0.0166
TAB LUBE	JENKIN-GUERIN #3810	3,709	6.44	0.930	11.10	0.0049
CLEAN-UP SOLVENTS	HEXANE	2,649	5.60	0.777 *	5.76	0.0035
	MINERAL SPIRITS	148	6.32	1.000	0.47	0.0002

## MODULE 4

END SEALANT COMPOUND	DEXTER MIDLAND 2140	18,846	7.85	0.390	28.83	0.0166
TAB LUBE	JENKIN-GUERIN #3810	5,563	6.44	0.930	16.65	0.0049
CLEAN-UP SOLVENTS	HEXANE	3,974	5.60	0.777 *	8.64	0.0035
	MINERAL SPIRITS	221	6.32	1.000	0.70	0.0002
9th PRESS						
END SEALANT COMPOUND	DEXTER MIDLAND 2140	9,423	7.85	0.390	14.42	0.0166
TAB LUBE	JENKIN-GUERIN #3810	2,781	6.44	0.930	8.33	0.0049
CLEAN-UP SOLVENTS	HEXANE	1,987	5.60	0.777 *	4.32	0.0035
	MINERAL SPIRITS	111	6.32	1.000	0.35	0.0002
10th PRESS						
END SEALANT COMPOUND	DEXTER MIDLAND 2140	14,134	7.85	0.390	21.63	0.0166
TAB LUBE	JENKIN-GUERIN #3810	5,024	6.44	0.930	15.04	0.0059
CLEAN-UP SOLVENTS	HEXANE	2,980	5.60	0.777 *	6.48	0.0035
	MINERAL SPIRITS	166	6.32	1.000	0.52	0.0002

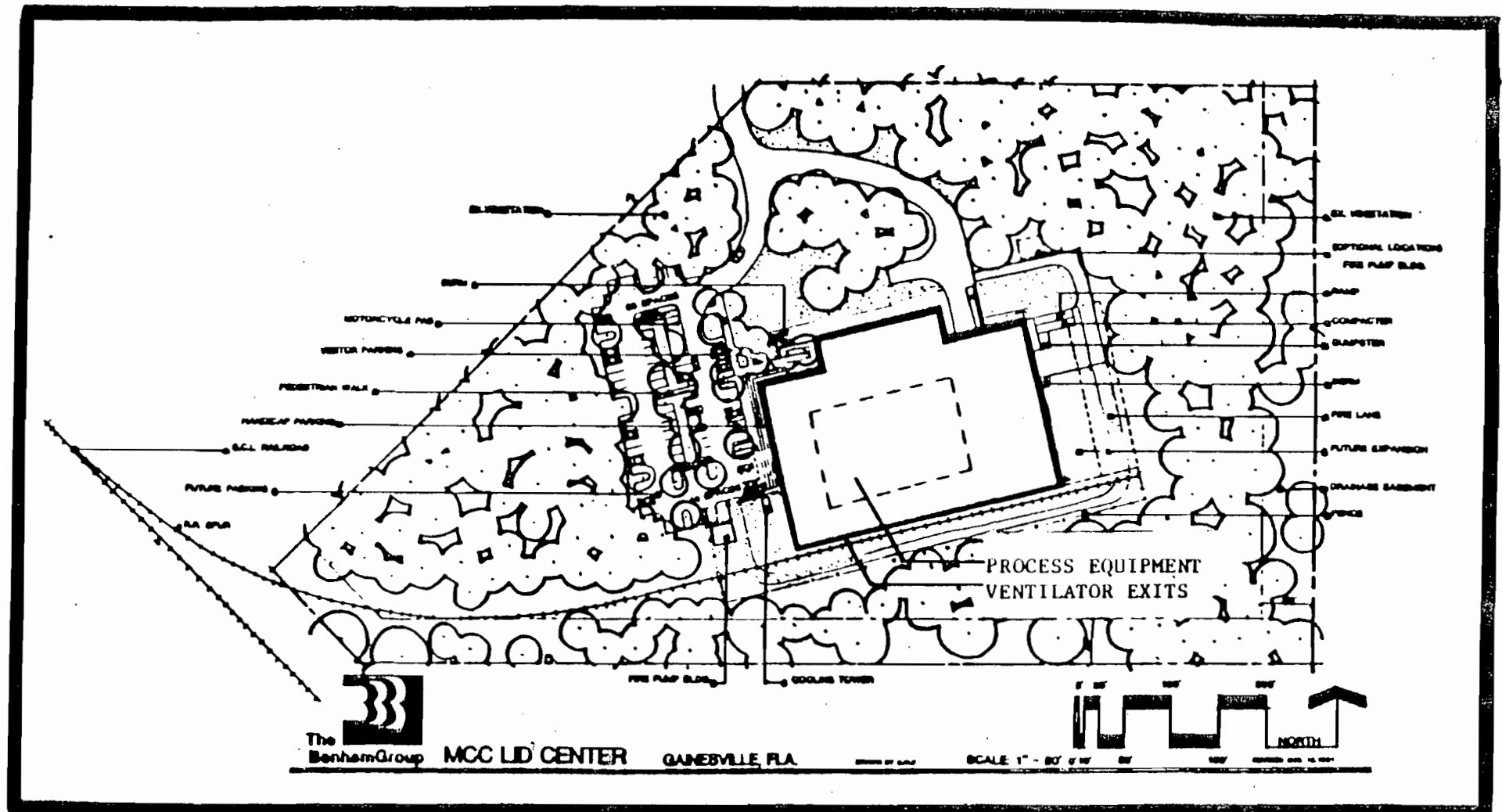
TOTAL FACILITY VOC EMISSIONS

235.59 ✓

\* REMAINDER IS RECOVERED

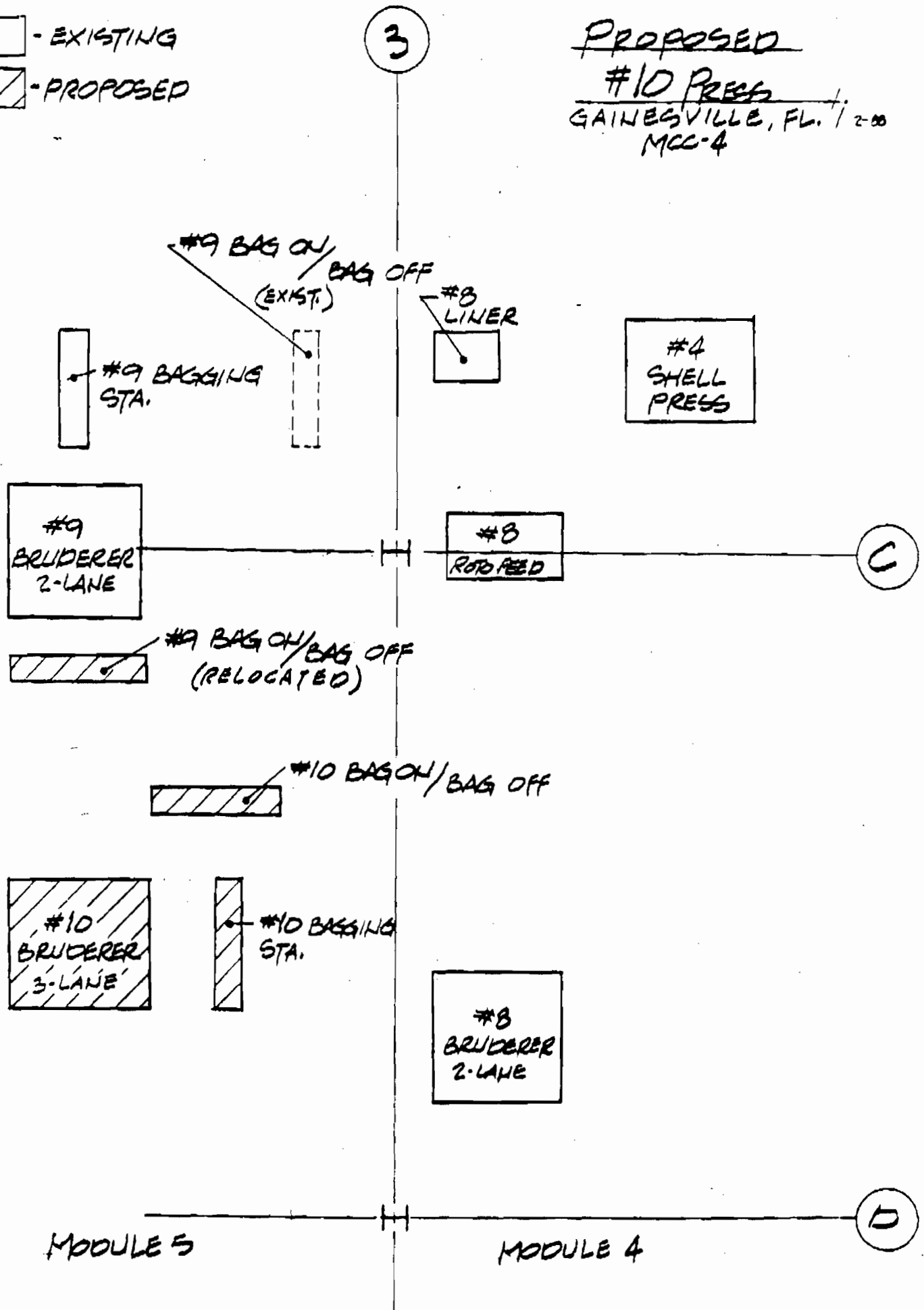
Best Available Copy

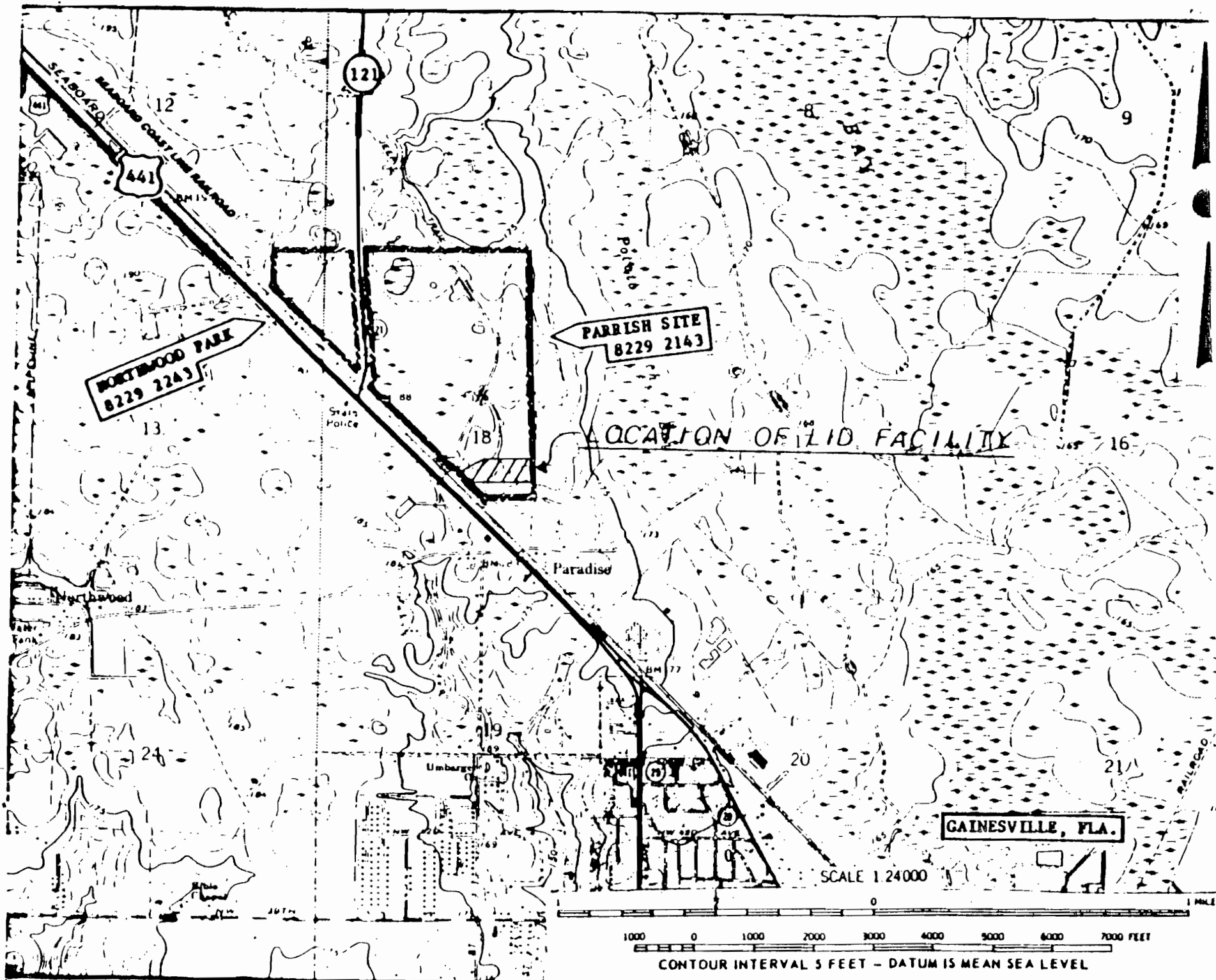
LOCATION OF MANUFACTURING PROCESS AND  
OUTLETS FOR AIRBORNE EMISSIONS 8/12/81



- ☐ - EXISTING  
☒ - PROPOSED

PROPOSED  
#10 PRESS  
 GAINESVILLE, FL. 12-00  
 MCC-4





STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

NORTHEAST DISTRICT

3426 BILLS ROAD  
JACKSONVILLE, FLORIDA 32207  
904/796-4200



BOB MARTINEZ  
GOVERNOR  
DALE TWACHTMANN  
SECRETARY  
ERNEST E. FREY  
DISTRICT MANAGER  
GARY L. SHAFFER  
ASSISTANT DISTRICT MANAGER

April 13, 1988

Mr. Gary L. Reynolds  
Plant Manager  
Metal Container Corporation  
5909 N.W. 18th Drive  
Gainesville, Florida 32606

*file*

Dear Mr. Reynolds:

Alachua County - AP  
Metal Container Corporation  
No. 5 Lid Module

Reference is made to your permit application dated March 8, 1988 for the construction of an air pollution source located at U.S. 441 and S.R. 121, north of Gainesville, Alachua County, FL.

Prior to the consideration of this proposal by the Northeast District Office of the Department of Environmental Regulation, it is necessary for you to give public notice to persons substantially affected by this proposed permitting decision. Please have the public notice published for one day in the legal advertisement section of a newspaper of general circulation in the area according to the attached Notice of Proposed Agency Action on Permit Application.

In addition, please have the newspaper forward on the date of publication, a copy of their certification of publication to the Department at the above address.

Sincerely,

*Michael J. Fitzsimmons*  
for Ernest E. Frey  
District Manager

*BPH*  
*EEF*

EEF:jck

Enclosure

cc: Gainesville Branch Office



State of Florida  
Department of Environmental Regulation  
Notice of Proposed Agency Action on Permit Application

The Department gives notice of its intent to issue a permit to Metal Container Corporation to construct an additional aluminum lid module, an air emissions source, to be located on U.S. 441 and S.R. 121, north of Gainesville, Alachua County, FL.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative determination (hearing) in accordance with Section 120.57, Florida Statutes (F.S.). The petition must conform to the requirements of Chapters 17-103 and 28-5, Florida Administrative Code (FAC), and must be filed (received) in the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400 within fourteen (14) days of publication of this notice. Failure to file a petition within the fourteen (14) days constitutes a waiver of any right such person has to an administrative determination (hearing) pursuant to Section 120.57, Florida Statutes.

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 preliminary statement. Persons whose substantial interests will be affected by any decision of the Department have the right to intervene in the proceeding. A petition for intervention must be filed pursuant to Model Rule 28-5.207, FAC, at least five (5) days before the final hearing and be filed with the Hearing Officer if one has been assigned at the Division of Administrative Hearings, Department of Administration, 2009 Apalachee Parkway, Tallahassee, Florida 32301. If no Hearing Officer has been assigned, the petition is to be filed with the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Failure to petition to intervene within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S.

The application 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 the Department of Environmental Regulation, Northeast District Office, 3426 Bills Road, Jacksonville, Florida 32207.

CERTIFIED  
P 278 299 771

BEFORE THE STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

In the Matter of an  
Application for Permit by:

Gary L. Reynolds, Plant Manager	)	
Metal Container Corporation	)	DER File No. AC01-146396
5909 N.W. 18th Drive	)	
Gainesville, Fl 32606	)	
	)	

INTENT TO ISSUE

The Division of Environmental Permitting hereby gives notice of its intent to issue a permit (copy attached) for the proposed project as detailed in the application specified above. The Division is issuing this Intent to Issue for the reasons stated below.

The applicant, Gary L. Reynolds, applied on March 9, 1988 to the Department of Environmental Regulation (DER) for a permit to construct an additional aluminum lid module located at U.S. 441 & S.R. 121, north of Gainesville, Alachua County, FL .

The Department has permitting jurisdiction under Florida Statutes (F.S.) 403 . The project is not exempt from permitting procedures. The Department has determined that a construction permit is required for the proposed work. This source of air emissions is subject to Florida Administrative Code Rule 17-2.620(1).

Pursuant to Section 403.815, F.S. and DER Rule 17-103.150, (FAC), you are required to publish at your own expense the enclosed Notice of Application on Permit Application. The notice must be published one time only in a section of a major local

newspaper of general circulation in the county in which the project is located and within thirty (30) days from receipt of this intent. Proof of publication must be provided to the Department within seven days of publication of the notice. 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 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, F.S.. Petitions must comply with the requirement of FAC Rules 17-103.155 and 28-5.201 (copies enclosed) and be filed with (received by) the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions filed by the permit applicant must be filed within fourteen (14) days of receipt of this intent. Petitions filed by other persons must be filed within fourteen (14) days of publication of the public notice or within fourteen (14) day of receipt of this intent, whichever occurs first. 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, F.S., concerning the subject permit application. Petitions which are not filed in accordance with the above provisions will be dismissed.

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

*for* Michael J. Fitzsimmons  
Ernest E. Frey  
District Manager  
3426 Bills Road  
Jacksonville, Florida 32207  
(904) 798-4200

Copies sent to:

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 4/15/88 (date) to the listed persons.

FILING AND ACKNOWLEDGEMENT

FILED, on this date, pursuant to S120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

Ernest E. Frey 4/15/88  
Clerk Date

**DRAFT**

STATE OF FLORIDA  
**DEPARTMENT OF ENVIRONMENTAL REGULATION**

**NORTHEAST DISTRICT**

3426 BILLS ROAD  
JACKSONVILLE, FLORIDA 32207  
904/798-4200



BOB MARTINEZ  
GOVERNOR  
DALE TWACHTMANN  
SECRETARY

ERNEST E. FREY  
DISTRICT MANAGER  
GARY L. SHAFFER  
ASSISTANT DISTRICT MANAGER

PERMITTEE:  
Metal Container Corporation  
5909 N.W. 18th Drive  
Gainesville, FL 32606

I.D. Number: 31GLV01004601  
Permit Number: AC01-146396  
Date of Issue:  
Expiration Date:  
County: Alachua  
Latitude/Longitude: 29°42'05"N; 82°20'53"W  
Project: No. 5 Lid Module  
UTM: E-(17)369.4; N-3287.2

D R A F T

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 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 the construction of No. 5 Lid Module (10th press)  
at an aluminum lid manufacturing facility.

Located at U.S. 441 and S.R. 121, north of Gainesville, Alachua County, FL

In accordance with:

construction permit application dated march 8, 1988  
additional information received April 7, 1988.

DRAFT

PERMITTEE:  
Metal Container Corporation

Permit No.: AC01-146396  
Date of Issue:  
Expiration Date:

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.
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. Nor 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 does not constitute 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, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, 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.
6. The permittee shall at all times 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, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

PERMITTEE:  
Metal Container Corporation

**DRAFT**  
Permit No.: AC01-146396  
Date of Issue:  
Expiration Date:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring 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 notify and provide the Department with the following information:
  - a. a description of and cause of noncompliance; and
  - b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.
  - c. 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 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 arising under the Florida Statutes or Department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.
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 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department.
12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.
13. This permit also constitutes:
  - ( ) Determination of Best Available Control Technology (BACT)
  - ( ) Determination of Prevention of Significant Deterioration (PSD)
  - ( ) Certification of Compliance with State Water Quality Standards  
(Section 401, FL 92-500)
  - ( ) Compliance with New Source Performance Standards

**DRAFT**

PERMITTEE:  
Metal Container Corporation

Permit No.: AC01-146396  
Date of Issue:  
Expiration Date:

14. The permittee shall comply with the following monitoring and record keeping requirements:
- a. Upon request, the permittee shall furnish all records and plans required under Department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the Department, during the course of any unresolved enforcement action.
  - b. The permittee shall retain 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), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be 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 date(s) analyses were performed;
    - the person responsible for performing the analyses;
    - the analytical techniques or methods used; and
    - the results of such analyses.
15. When requested by the Department, the permittee shall, within a reasonable period of 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 submitted or corrected promptly.



DRAFT

PERMITTEE:  
Metal Container Corporation

Permit No.: AC01-146396  
Date of Issue:  
Expiration Date:

SPECIFIC CONDITIONS:

1. The construction of this installation shall be completed by ☒ and the operation permit application is to be submitted by ☒
2. The maximum allowable emission rate for each pollutant is as follows:

<u>Pollutant</u>	<u>Regulation</u>	<u>Emission Rate</u>	
		<u>lbs/hr</u>	<u>TPY</u>
VOC	17-2.620(1)	11.09 <sup>2,3</sup>	43.7

<sup>1</sup>VOC: volatile organic compounds

<sup>2</sup>Applicant proposes to emit less than RACT standard

<sup>3</sup>Basis: From ACP -

<u>Material</u>	<u>% VOC</u>	<u>Lbs. VOC/hr.</u>
end sealant <sup>4</sup>	39	5.48
tab lube	93	3.83
hexane	77.7	1.65
mineral spirits	100	0.13
		<u>11.09</u>

<sup>4</sup>The end sealant volatile portion shall not exceed 3.06 lbs/gal (excluding water) based on mfg. data submitted as additional information dated April 5, 1988.

3. Compliance shall be determined by recording the following data for each material used (see Specific Condition #2) that contains VOC:

1. amount (gals)
2. density (lbs/gal)
3. VOC factor (% by wt)
4. time factor(hrs)
5. total accumulative VOC emissions (tons)
6. hourly VOC emissions (lbs/hr)

<sup>1</sup>Maintain a file of plant usage logs

<sup>2</sup>Maintain a file of mfr. spec's data

4. Submit a report containing the data required in Specific Condition #3 for the 30 days' period after the startup of this module with the operation permit application. Also include a copy of the mfr. spec's data sheet(s) for each material used.
5. Any revision(s) to a permit (and application) must be submitted and approved prior to implementing.

**DRAFT**

PERMITTEE:  
Metal Container Corporation

Permit No.: AC01-146396  
Date of Issue:  
Expiration Date:

6. Stack sampling ports and platform are to be provided with a method of access that is safe and reasonably accessible.
7. Forms for renewal will be sent 5 months prior to ~~Ø~~ and the completed forms with the test results are due 90 days prior to ~~Ø~~.

Issued this ~~Ø~~ day of ~~Ø~~, 1987

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

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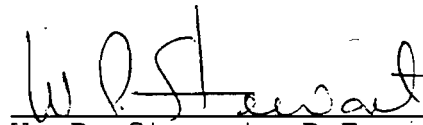
Ernest E. Frey, District Manager

CERTIFICATION

PROJECT NAME: Metal container Corporation

Application No. AC01-146396

I HEREBY CERTIFY that the engineering features described in application No. AC01-146396 provide reasonable assurance of compliance with the applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Title 17. However, I have not evaluated and I do not certify aspects of the proposal outside of my area of expertise (including, but not limited to, the electrical, mechanical, structural, hydrological, and geological features).

  
W. P. Stewart, P.E.

Date 4/13/88

Alachua Co. - AP  
Metal Container  
#5 lid module  
ACP review

03-14-88

1. See 3/10 notes; B.P.Q.M. will probably process.
2. In ~~Section~~ B., p. 1 cont'd on p. 2, the date the PE signed is incorrect.
3. In Section II, part B., need est. for time to complete.
4. In Section II, part C., need it filled in.
5. Send copy of imp spec data for <sup>spraying</sup> end sealant, tab tube, hexane, & mineral spirits used before adding #5 module & after. (L)

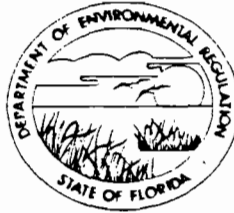
03-17 <sup>BT</sup> Bot L. called (see telecon notes); told him this is not official more info request, but that need info in #5 above. (L)

03-25 (see telecon note; BT said process here)  
review cont'd  
6. Send stack data.  
7. Send facility flow diagram showing all EPs. (L)

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

NORTHEAST DISTRICT

3426 BILLS ROAD  
JACKSONVILLE, FLORIDA 32207  
904/798-4200



BOB MARTINEZ  
GOVERNOR  
DALE TWACHTMANN  
SECRETARY

ERNEST E. FREY  
DISTRICT MANAGER  
GARY L. SHAFFER  
ASSISTANT DISTRICT MANAGER

March 28, 1988

Mr. Gary L. Reynolds  
Plant Manager  
Metal Container Corporation  
5909 N.W. 18th Drive  
Gainesville, Florida 32606

*file*

Dear Mr. Reynolds:

Alachua County - AP  
Metal Container Corporation  
No. 5 Lid Module

This is a request for the following additional information by April 30, 1988, which is required to complete the permit application for the referenced source. It is requested in accordance with Florida Administrative Code Rule 17-4.055.

Please submit:

- ✓1. The date the PE signed the application.
- ✓2. Estimated time required to complete this project.
- ✓3. Estimate of the pollution control costs.
- ✓4. Copy of the manufacturer specifications data for end sealant, tab lube, hexane, spray mist and mineral spirits used before adding #5 module and to be used after adding #5 module.
- ✓5. Emissions stack (vent) data for the entire facility; i.e., height of vents AGL, vents exhaust area, ACFM, and gas exit temperature.
- ✓6. Facility flow diagram showing layout of all of the modules and emissions vents.

If there are any questions please contact us.

Very truly yours,

*W. P. Stewart*

W. P. Stewart, P.E.  
Supervisor Air Section

WPS:jck

Wachna Co. - AP  
 Metal Container  
 # 5 lid module  
 ACP review  
 add'l info

04-08-88

Check some of VOC emissions TPY calc's  
 in Table using add'l info data

Module 1  
 ind  
 solvent: 
$$\frac{12564 \text{ gals}}{\text{yr}} \left| \frac{7.8 \text{ lbs}}{\text{gal}} \right| \frac{3.06 \text{ lbs VOC}}{7.8 \text{ lbs}} \left| \frac{T}{2000 \text{ lbs}} \right| = 19.22 \text{ TPY}$$

From mfr data  
~~ACP~~ Table shows 19.22 also.

Table: 
$$\frac{3709 \text{ gals}}{\text{yr}} \left| \frac{0.772 \text{ SG}}{6.44} \right| \frac{8.34 \text{ lbs}}{\text{gal}} \left| \frac{0.93 \text{ \% VOC}}{1} \right| \left| \frac{T}{2000 \text{ lbs}} \right| = 11.10 \text{ TPY}$$

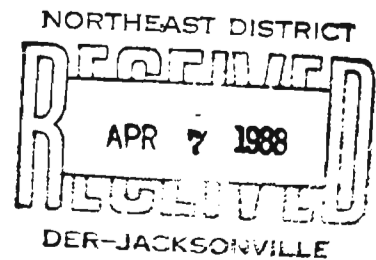
04-11 From mfr data  
 ACP Table also shows 11.10 TPY

So, based on above the ACP Table is confirmed.

So can add #5 module w/o VOC increase from  
 the facility.



# ANHEUSER-BUSCH COMPANIES



April 5, 1988

Mr. W. P. Stewart  
State of Florida  
Department of Environmental Regulation  
Northeast Division  
3426 Bills Road  
Jacksonville, Florida 32207

Re: Alachua County - AP  
Metal Container Corporation  
No. 5 Lid Module

Dear Mr. Stewart:

This letter is in response to your March 28, 1988 request for additional information concerning the referenced source.

- 1) The P.E. signed the application on March 4, 1988.
- 2) It will take approximately two weeks to complete the installation of this equipment.
- 3) There are no specific pollution control costs associated with this conversion press.

4) Material Usage

	<u>Before Addition of 5th Module</u>	<u>After Addition of 5th Module</u>
End Sealant	Dexter Midland 7201-C	Dexter Midland 2140
Tab Lube	Jenkin Guerin 3810	Jenkin Guerin 3810
Spray Mist	Jenkin Guerin 20-1	-----
Clean-up Solvents	Hexane	Hexane
	Minerals Spirits	Mineral Spirits

Manufacturers Material Safety Data Sheets (MSDS) are attached for each of these materials.

- 5) The plant does not have any exhaust stacks. All VOC emissions are fugitive. The only vents on the roof are for air intake.
- 6) A drawing of the plant layout is attached. All fugitive emissions will occur around the liners (end sealant and clean-up) and the conversion presses (tab lube and clean-up).

Mr. W. P. Stewart  
April 5, 1988  
Page 2

If you need any additional information concerning the referenced source,  
do not hesitate to contact me at (314) 577-4168.

Sincerely,

ANHEUSER-BUSCH COMPANIES, INCORPORATED

*Bob Lanham*

Mr. Robert M. Lanham  
Environmental Engineer

RML/vrg

Att.

4588



# MATERIAL SAFETY DATA SHEET

For Coatings, Resins, and Related Materials  
(Essentially Similar to Form OSHA-20)

Page 1 of 1

Date Prepared : 1/30/85

Prepared by : S MORRIS

## Section I

Manufacturer's Name: MIDLAND DIVISION, THE DEXTER CORPORATION

Street Address : 1 East Water Street Waukegan, Illinois 60085

DAY-312/623-4200 Thomas Daly

NIGHT-312/945-3135

Emergency Telephone: DAY-312/623-4200 David Richie

NIGHT-312/872-4991

DAY-312/623-4200 Leonard Afremow

NIGHT-312/537-3034

Product Class : BEER & BEVERAGE END SEALANT

Trade Name : 7201-C

Manufacturer's Code: 0612A102

## Section II - HAZARDOUS INGREDIENTS

Ingredient(s)	Percent	TLV		LEL	Vapor Pres. mm Hg @ 20C
	Weight	PPM	mg/cu-m		
Cyclohexane	15 - 20	300		1.3	100 @ 60.
Hexane	25 - 30	100		1.2	100 @ 60.
Heptane	< 0.5	500		1.25	45.0
Denatured Ethyl Alcohol	< 5	1000		3.7	44.0
Methanol 99%	< 0.5	200		2.3	97.0
Methyl IsoButyl Ketone	< 0.5	100		4	15.0

## Section III - PHYSICAL DATA

Percent Volatile by Volume = 61.26  
 Weight per Gallon = 7.72 Pounds per Gallon  
 Boiling Range = 148 - 242 Deg. F.  
 Evaporation Rate = Slower than Ether  
 Vapor Density = Heavier than Air

NOV 30 1987

01/30 16:47

7211003 #01

-----  
Section IV - FIRE AND EXPLOSION DATA  
-----

Flashpoint for 0612A102 = 15 deg. F Setflash CC  
DOT Category = Flammable Liquid

EXTINGUISHING MEDIA: Use National Fire Protection Association (NFPA) Class B extinguishers (carbon dioxide, dry chemical or foam) designed to extinguish NFPA Class IB flammable liquid fires.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed container may explode when exposed to extreme heat. Do not apply to hot surfaces.

DANGER! VAPORS MAY CAUSE FLASH FIRES!

SPECIAL FIRE FIGHTING PROCEDURES: Water spray may be ineffective. Water may be used to cool closed containers to prevent pressure build up and possible autoignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable.

-----  
Section V - HEALTH HAZARD DATA  
-----

THRESHOLD LIMIT VALUE: See Section II.

EFFECTS OF OVEREXPOSURE: INHALATION: Anesthetic. Irritation of the respiratory tract or acute nervous system depression characterized by headache, dizziness, staggering gait, confusion, unconsciousness or coma.

Skin or Eye Contact: Primary irritation.

EMERGENCY AND FIRST AID PROCEDURES: FUMES: Remove from exposure. Restore breathing. Keep warm and quiet. Notify a physician. SPLASH (Eyes): Flush immediately with copious amounts of running water for at least 15 minutes. Take to a physician for definitive medical treatment. SPLASH (Skin): Remove with soap and water. Remove contaminated clothing.

-----  
Section VI - REACTIVITY DATA  
-----

STABILITY: Stable.

CONDITIONS TO AVOID:

INCOMPATIBILITY (Materials to avoid):

HAZARDOUS DECOMPOSITION PRODUCTS: May produce hazardous fumes when heated to decomposition as in welding. Fumes may contain carbon monoxide and oxides of nitrogen.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: N/A

-----  
Section VII - SPILL OR LEAK PROCEDURES  
-----

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove all sources of ignition (flames, hot surfaces, and electrical, static, or frictional sparks). Avoid breathing vapors. Ventilate area. Remove with inert absorbent and non-sparking tools.

WASTE DISPOSAL METHOD: Dispose of in accordance with local, state, and federal regulations. Do not incinerate closed containers.

## =====

## Section VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: In outdoor or open areas use NIOSH approved mechanical filter respirator to remove solid air borne particles of overspray during spray application. In restricted ventilation areas use NIOSH approved chemical mechanical filters designed to remove a combination of particulate and gas and vapor. In confined areas use NIOSH approved air line type respirators or hoods.

VENTILATION: Provide general dilution or local exhaust ventilation in volume and pattern to keep TLV of most hazardous ingredient in Section II below acceptable limit, LEL in Section IV below stated limit, and to remove decomposition products during welding or flame cutting on surfaces coated with this product.

PROTECTIVE GLOVES: Required for prolonged or repeated contact.

EYE PROTECTION: Use safety eyewear designed to protect against splash of liquids.

OTHER PROTECTIVE EQUIPMENT: Prevent prolonged skin contact with contaminated clothing.

## =====

## Section IX - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Do not store above 120 degrees Fahrenheit. Store large quantities in buildings designed for storage of NFPA Class I flammable liquids.

OTHER PRECAUTIONS: Do not take internally. Containers should be grounded when pouring. Avoid free fall of liquid in excess of a few inches. Do not flame cut, braze, or weld without NIOSH approved respirator or appropriate ventilation.

KEEP CONTAINER CLOSED WHEN NOT IN USE!

PRODUCT DATA SHEET

DM 2140

HIGH SOLIDS BEER AND BEVERAGE END SEALANT

PHYSICAL DATA

Viscosity	1500 $\pm$ 200 cps, 6/100/80° RVT
% Total Solids	61.0 $\pm$ 1.5%
Specific Gravity (Dry Film)	1.24
Sealing Units/Lb.	0.492
Lbs./U.S. Gallon	7.8
Lbs./U.S. Gallon Total Solids (61.0%)	4.79
Diluent	Hexane
Color (Wet/Dry)	Gray
Lbs. Organic Solvent Gal.	3.06
Flash Point	-12°F
F.D.A. Letter	Compliance letter submitted upon request

Midland Code: 0612-A110

Date: 5/7/87

The Midland Division of the Dexter Corporation warrants that its goods are free from defect in material and workmanship. Liability of the Midland Division of The Dexter Corporation under all warranties, expressed and implied, shall be limited to replacement of defective goods supplied. This transaction is subject to the following terms and conditions and those printed on the reverse side hereof.

855

Date Prepared : 01/14/88

Prepared By : K. BUNTON

SECTION I

MANUFACTURER'S NAME: Midland Division, The Dexter Corporation.  
STREET ADDRESS : 1 East Water Street Waukegan, Illinois 60085  
TELEPHONE : (312) 623-4200 Night: (312) 679-6967  
MANUFACTURER'S CODE: 0612A110  
TRADE NAME : DM 2140M

SECTION II - HAZARDOUS INGREDIENTS

Ingredient(s)	CAS Number	Weight Percent	Vapor Press. mm Hg @ 20C
HEPTANE	142-82-5	10 - 20	100.0
TWA : 400 (ppm)	STEL : 500 (ppm)	TLV-C: UK	
PEL : 500 (ppm)	OTHER: UK		
HEXANE	110-54-3	20 - 30	180.0
TWA : 50 (ppm)	STEL : UK	TLV-C: UK	
PEL : 500 (ppm)	OTHER: UK		

SECTION III - PHYSICAL PROPERTIES & FIRE AND EXPLOSION HAZARDS

FLASHPOINT FOR 0612A110 = 15 Deg. F Setflash CC LEL: 1.20  
BOILING RANGE = 149 to 210 Deg. F.  
DOT CATEGORY = Flammable Liquid  
OSHA Classification = Flammable Liquid - Class IB  
VAPOR DENSITY: Heavier than air.  
EXTINGUISHING MEDIA: Use water fog, foam, dry chemical, or carbon dioxide.  
VOLATILE ORGANIC CONTENT: 3.111 pounds per gallon less water.

*End Sealant Compound*

## =====

## SECTION IV - HEALTH INFORMATION

-----

ACUTE: Over exposure by inhalation may cause irritation of the respiratory tract, headache, dizziness, or drowsiness.

SKIN OR EYE CONTACT: Irritant to the eyes and skin.

EMERGENCY AND FIRST AID PROCEDURES: INHALATION: Remove from exposure.

EYE CONTACT: Flush immediately with large amounts of running water for at least 15 minutes. SKIN CONTACT: Remove contaminated clothing and wash skin

with soap and water. INGESTION: Drink water.

If necessary, consult a physician for any of these conditions.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Unknown at this time.

CHRONIC HEALTH EFFECTS: Those hazardous materials listed in Section II may affect the following organs: -Central nervous system-

## =====

## SECTION V - REACTIVITY DATA

-----

STABILITY: Stable. HAZARDOUS DECOMPOSITION BY-PRODUCTS: Fumes may contain carbon monoxide and oxides of nitrogen. May produce hazardous fumes when heated to decomposition as in welding.

## =====

## SECTION VI - SPILL OR LEAK PROCEDURES

-----

Remove all sources of ignition, avoid breathing vapors, ventilate area, and remove with inert absorbant and non-sparking tools. Dispose of in accordance with local, state, and federal regulations. Before attempting to clean up, see Section II.

## =====

## SECTION VII - PRECAUTIONS IN HANDLING

-----

VENTILATION: Provide general dilution or local exhaust ventilation to keep TWA and LEL below acceptable limits and to remove decomposition products.

RESPIRATORY PROTECTION: Where general dilution or local exhaust fails to adequately dilute the TWA/PEL of the material, then respiratory protection should be used as follows: In accord with 29CFR 1910.134, use NIOSH/MSHA approved air line type respirators or hoods for enclosed and confined areas. Air purifying respirators may be used for other areas.

PROTECTIVE EQUIPMENT: Chemical resistant gloves are required for prolonged or repeated contact. Use safety eyeware designed to protect against splash of liquids.

Do not take internally. Containers should be grounded when pouring. Avoid free fall of liquid in excess of a few inches. Make sure the drum is completely empty before attempting to weld or braze. The drum should be industrially cleaned prior to reuse. Do not flame cut, braze, or weld without a NIOSH approved respirator or appropriate ventilation.

## =====

## SECTION VIII - ADDITIONAL INFORMATION

-----

Those materials listed in Section II with an asterisk have been listed by one of the following testing agencies: National Toxicology program, International Agency for Research and Cancer, or OSHA.

KEEP CONTAINER CLOSED WHEN NOT IN USE!

NPCA HMIS CLASSIFICATION: Health- 1 Flammability- 3 Reactivity- 0  
See Section VII for personal protection equipment.



U.S. DEPARTMENT OF LABOR  
WAGE AND LABOR STANDARDS ADMINISTRATION  
Bureau of Labor Standards

MATERIAL SAFETY DATA SHEET

SECTION I	
MANUFACTURER'S NAME JENKIN-GUERIN, INC.	EMERGENCY TELEPHONE NO. (314) 652-2905
ADDRESS (Number, Street, City, State, and ZIP Code) 4480 HUNT AVENUE ST. LOUIS, MISSOURI 63110	
CHEMICAL NAME AND SYNONYMS ANCHOR #3810 TAB LUBE	TRADE NAME AND SYNONYMS
CHEMICAL FAMILY PETROLEUM HYDROCARBON	FORMULA

SECTION II HAZARDOUS INGREDIENTS					
PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)

SECTION III PHYSICAL DATA				
BOILING POINT (°F.)	Initial	350	SPECIFIC GRAVITY (H <sub>2</sub> O=1) @ 60/60°F.	0.772
VAPOR PRESSURE (mm Hg.)		0.27	PERCENT VOLATILE BY VOLUME (%)	93
VAPOR DENSITY (AIR=1) @ 230°F.	0.348#/FT <sup>3</sup>		EVAPORATION RATE Ethyl Ether=1	Less than 0.1
SOLUBILITY IN WATER		NIL		
APPEARANCE AND ODOR	COLOR +18 SAYBOLT WITH MILD MINERAL OIL ODOR			

SECTION IV FIRE AND EXPLOSION HAZARD DATA			
FLASH POINT (Method used)	144°F. C.O.C.	FLAMMABLE LIMITS	Let Uet
EXTINGUISHING MEDIA	FOAM, DRY CHEMICAL, CO <sub>2</sub>		
SPECIAL FIRE FIGHTING PROCEDURES	NONE		
UNUSUAL FIRE AND EXPLOSION HAZARDS - PRODUCT IS COMBUSTIBLE.			

NOTE: ALL INGREDIENTS COMPLY WITH THE FEDERAL FOOD & DRUG ADMIN. REQUIREMENTS.

(1) Regulation 178.3910, surface lubricants used in the manufacture of metallic articles. These regulations are part of the Federal Register of Regulations.

# BEST AVAILABLE COPY

The solvent used as a diluent for the above mentioned material is listed under regulation 178.3570. The solvent is used merely as a diluent and should be allowed to evaporate so that the residue coating left on the can parts consists only of Item I, thus the solvent residue is well below the .015 milligram per square inch allowed.

## SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

TWA 200 PPM

STEL 500 PPM

EFFECTS OF OVEREXPOSURE

DIZZINESS, DROWSY

EMERGENCY AND FIRST AID PROCEDURES

INITIATION: REMOVE TO FRESH AIR. INGESTION: DO NOT INDUCE VOMITING. CALL PHYSICIAN IMMEDIATELY. SKIN: WASH WITH SOAP AND WATER. EYES: FLUSH WITH PLenty OF WATER.

## SECTION VI REACTIVITY DATA

STABILITY

UNSTABLE

CONDITIONS TO AVOID

STABLE

X

NONE KNOWN

INCOMPATIBILITY (Materials to avoid)

STRONG OXIDIZERS

HAZARDOUS DECOMPOSITION PRODUCTS

CO, CO<sub>2</sub>

HAZARDOUS POLYMERIZATION

MAY OCCUR

CONDITIONS TO AVOID

WILL NOT OCCUR

X

NONE KNOWN

## SECTION VII SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

ABSORB WITH SUITABLE OIL ABSORBENT OR SAND.

WASTE DISPOSAL METHOD

MIX WITH FUEL OIL AND BURN IN AN INCINERATOR OR FURNACE, OR USE

USUALLY ACCEPTED PETROLEUM DISPOSAL METHODS.

## SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

ONLY IF VAPORS OR MIST EXCEED TLV

VENTILATION

LOCAL EXHAUST

NO

SPECIAL

NONE

MECHANICAL (General)

NO

OTHER

NONE

PROTECTIVE GLOVES

NO

EYE PROTECTION

NO

OTHER PROTECTIVE EQUIPMENT

## SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

USE AND STORE IN A WELL VENTILATED AREA.

KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME.

OTHER PRECAUTIONS



# MATERIAL SAFETY DATA SHEET

RECEIVED  
JAN 28 1985

METAL CONTAINER

## SECTION I

MANUFACTURER'S NAME JENKIN-GUERIN, INC.		EMERGENCY TELEPHONE NO. (314) 652-2905
ADDRESS (Number, Street, City, State, and ZIP Code) 4480 HUNT AVENUE ST. LOUIS, MO 63110		
CHEMICAL NAME AND SYNONYMS	TRADE NAME AND SYNONYMS ANCHOR SPRAY MIST SOLUTION 20-1	
CHEMICAL FAMILY ALIPHATIC HYDROCARBON	FORMULA	

## SECTION II - HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES		2	OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)

## SECTION III - PHYSICAL DATA

BOILING POINT (°F.)	151-157	SPECIFIC GRAVITY (H <sub>2</sub> O=1) 20/4°C.	0.716
VAPOR PRESSURE (mm Hg.) 100mm @	15.8°C.	PERCENT VOLATILE BY VOLUME (%)	89.99
VAPOR DENSITY (AIR=1)	2.97	EVAPORATION RATE (ETYL ETHER=1)	1.3
SOLUBILITY IN WATER	INSOLUBLE		
APPEARANCE AND ODOR WATER WHITE LIQUID HAVING A MILD SWEET ODOR			

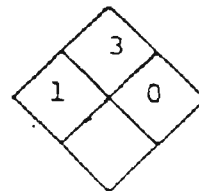
## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	TAG. CLOSED CUP -25°F.	FLAMMABLE LIMITS	LEL	UEL
EXTINGUISHING MEDIA	CARBON DIOXIDE, DRY CHEMICAL, FOAM OR OTHER MEDIA FOR CLASS B FIRE			
SPECIAL FIRE FIGHTING PROCEDURES				
UNUSUAL FIRE AND EXPLOSION HAZARDS FORMS COMBUSTIBLE AND/OR EXPLOSIVE MIXTURES WITH AIR.				



# MATERIAL HEALTH AND SAFETY BULLETIN

Union Chemicals Division  
Petrochemical Group



UCD No.: 871

Product Code No.: 1487

UN No. 1208

MANUFACTURER'S NAME

Union Chemicals Division, Union Oil Company of California

STREET ADDRESS

1345 North Meacham Road

CITY, STATE, AND ZIP CODE

Schaumburg, Illinois 60196

Business Phone: (312) 885-5450

EMERGENCY TELEPHONE NO.

Transportation Emergencies call CHEMTREC (800) 424-9300

Health Emergencies Call Los Angeles Poison Control Center (24 hours) (213) 664-2121

PRODUCT: Hexane  
COMMON NAME: AMSCO Solv 1487  
GENERIC NAME: Volatile Solvent  
CHEMICAL NAME: Hexane  
CHEMICAL FAMILY: Hydrocarbon Mixture  
DOT PROPER SHIPPING NAME:  
Hexane

WARNING STATEMENT:

Danger Extremely Flammable.  
DO NOT induce vomiting if swallowed.  
For industrial use only.

Section I - INGREDIENTS

n-Hexane  
Cyclohexane  
C<sub>6</sub> Isomers

TLV\*

500A  
300A  
500B

TLV\*

Threshold Limit Value

A. OSHA ☒

B. ACGIH ☒

C. See Section III ☐

D. Other ☐

NOV 30 1987

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## Section II - - EMERGENCY AND FIRST AID PROCEDURES

EMERGENCY: Have a physician call LOS ANGELES POISON CONTROL CENTER (24 hrs.) 213/664-2121

Eye Contact	If this product comes in contact with the eyes, flush with large quantities of water for at least 15 minutes and seek immediate medical attention.
Skin Contact	If this product comes in contact with the skin, wash with soap and large quantities of water and seek medical attention if irritation from contact persists.
Inhalation	If breathing difficulties, dizziness, or lightheadedness occur when working in areas with high vapor concentrations, victim should seek air free of vapors. If victim experiences continued breathing difficulties, administer oxygen until medical assistance can be rendered. If breathing stops, begin artificial respiration and seek immediate medical attention.
Ingestion	If this product is swallowed, DO NOT induce vomiting. Seek immediate medical advice and/or attention.

## Section III - - PHYSIOLOGICAL EFFECTS AND HEALTH INFORMATION

Eye Effects	This product may be an eye irritant.
Skin Effects	This product may cause skin irritation upon prolonged or repeated contact.
Systemic Effects	<p>Various studies have shown a possible association with exposure to this product and the following:</p> <p>Respiratory tract irritation</p> <p>Central nervous system depression in high concentrations</p> <p>Weakening and numbness in extremities</p>

NOV 30 1977

### Section IV -- SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type)	The use of respiratory protection depends on vapor concentration above the time-weighted TLV: use a NIOSH approved cart-ridge respirator or gas mask.		
Ventilation	General mechanical ventilation may be sufficient to keep product vapor concentrations within specified time-weighted TLV ranges. If general ventilation proves inadequate to maintain safe vapor concentrations, supplemental local exhaust may be required. Other special precautions such as respiratory masks or environmental containment devices may be required in extreme cases.		
Protective Gloves	The use of impermeable gloves is advised to prevent skin irritation in sensitive individuals.	Eye Protection	Safety glasses, chemical goggles and/or face shields are recommended to safeguard against potential eye contact, irritation, or injury.
Other Protective Equipment	Impermeable aprons are advised when working with this product. The availability of eye washes and safety showers in work areas is recommended.		

### Section V -- REACTIVITY DATA

Stability	Unstable		Conditions to Avoid:
	Stable	X	
Incompatibility (Materials to Avoid)	This product is incompatible with strong oxidizing agents strong acids or bases selected amines		
Hazardous Decomposition Products	Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide.		
Hazardous Polymerization	May Occur		Conditions to Avoid:
	Will Not Occur	X	

### Section VI -- SPILL OR LEAK PROCEDURES

HIGHWAY OR RAILWAY SPILLS - CALL CHEMTREC 800/424-9300

Precautions In Case of Release or Spill	Keep sources of ignition and hot metal surfaces isolated from the spill. Flush spilled material into suitable retaining areas or containers with large quantities of water. Small amounts of spilled material may be absorbed into an appropriate absorbant.		
Reportable Quantity	Notify Coast Guard National Response Center; Phone No. 800-424-8802, If Spill Is Greater Than <u>    </u> lbs (Kilograms)		
Waste disposal method	Dispose of <u>    </u> product in accordance with applicable local, county, state and federal regulations.		

## Section VII -- STORAGE AND SPECIAL PRECAUTIONS

Handling and Storing Precautions	Keep product containers cool, dry, and away from sources of ignition. Use and store this product with adequate ventilation. (See Section IV.)
Other Precautions	Personnel should avoid inhalation of vapors. (See sections I, II, III, V, VI) Personal contact with the product should be avoided. Should contact be made, remove saturated clothing and flush affected areas with water. (See sections II, IV, VI)

## Section VIII -- FIRE AND EXPLOSION HAZARD DATA

DOT Flammability Classification	Flammable Liquid	Flash Point Range: <input checked="" type="checkbox"/> Below 20° F, <input type="checkbox"/> 20° F - 100° F <input type="checkbox"/> 100° F - 200° F <input type="checkbox"/> Over 200° F <input type="checkbox"/> None to boiling
Extinguishing Media	Use foam, CO <sub>2</sub> or dry chemical fire fighting apparatus.	
Unusual Fire and Explosion Hazards	Keep work areas free of hot metal surfaces and other sources of ignition.	
Fire Fighting Procedures	The use of self-contained breathing apparatus is recommended for fire fighters. Water may be unsuitable as an extinguishing media, but helpful in keeping adjacent containers cool. Avoid spreading burning liquid with water used for cooling purposes.	

## Section IX -- PHYSICAL DATA

Approximate Boiling Range, ° F	150° - 158° F	Vapor Density: <input checked="" type="checkbox"/> Heavier Than Air <input type="checkbox"/> Lighter
Evaporation Rate: <input type="checkbox"/> Faster Than Ether <input checked="" type="checkbox"/> Slower	Percent Volatile: 100%	Solubility in Water: Negligible
Specific Gravity: <input checked="" type="checkbox"/> Lighter Than Water <input type="checkbox"/> Heavier	Weight per Gallon: 5.61	
Appearance and Odor:	This product is clear, has little if any color and has a characteristic odor.	

## Section X -- DOCUMENTARY INFORMATION

Product Code No. 1487	Issue Date 10/20/80	Prepared By Paul Pfeifer
Replaces: UCD No. 249	Product Code No. 1487	Issued 12/79
Reviewed By: <i>J. Litten</i>	Manager, Loss Prevention	
Reviewed By: <i>R. L. Litten</i>	Director of Occupational Health & Toxicology	
Reviewed By: <i>William L. Litten</i>	Science and Technology Division	

The above information is believed to be correct as of the date hereof. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or is to be implied regarding the accuracy of these data, the results to be obtained from the use of the material, or the hazards connected with such use. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume responsibility for the results of its use. This information is furnished on the condition that the person receiving it shall make his own determination as to the suitability of the material for his particular purpose and on the condition that he assume the risk of his use thereof.

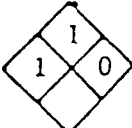
Best Available Copy  
**MATERIAL SAFETY DATA SHEET**

**Section I**

PRODUCER'S NAME		AMSCO Division Union Oil Company of California	
ADDRESS		3100 South Meacham Road	
CITY, STATE, AND ZIP CODE		Palatine, Illinois 60067	
TELEPHONE NO.		(312) 885-5467	
AL NAME AND SYNONYMS		TRADE NAME	
not applicable		AMSCO Solv 1241, Odorless Mineral Spirits	
AL FAMILY		FORMULA	
Petroleum Hydrocarbon Fraction		not applicable	

**Section II -- HAZARDOUS INGREDIENTS**

PAINTS, PRESERVATIVES, & SOLVENTS

 NFPA 704M	%	TLV (Units)	SOLVENTS	%	TLV (Units)
			Solvent	100	85 ppm
			ADDITIVES		
			OTHERS		

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)

**Section III -- PHYSICAL DATA**

BOILING POINT (°F.)	350-400	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	0.76
VAPOR PRESSURE (mm Hg.)	0.5 @ 68° F.	PERCENT VOLATILE BY VOLUME (%)	100
VISCOSITY (AIR=1)	5.9	EVAPORATION RATE (n-BuAc=1)	0.2
SOLUBILITY IN WATER	negligible		
APPEARANCE AND ODOR	clear, colorless, characteristic		

**Section IV -- FIRE AND EXPLOSION HAZARD DATA**

EXTINGUISHING MEDIA	125 F., TCC	FLAMMABLE LIMITS	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; text-align: center;">Lel</td> <td style="width: 50%; text-align: center;">Uel</td> </tr> <tr> <td> </td> <td> </td> </tr> </table>	Lel	Uel		
Lel	Uel						
FIRE FIGHTING PROCEDURES							
wear self-contained breathing apparatus							
water may be unsuitable except as a cooling medium							
FIRE AND EXPLOSION HAZARDS							

OMB No. 1218-0072

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

Section I

Manufacturer's Name

JENKIN-GUERIN, INC.

Emergency Telephone Number

1-800-424-9300

Address (Number, Street, City, State, and ZIP Code)  
4480 HUNT AVENUE

4480 HUNT AVENUE

Telephone Number for Information

(314) 652-2905

ST. LOUIS, MO

Date Prepared  
4/22/86

63110 - 2182

Signature of Preparer (optional)

## Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
ADDITIVES		2		

### Section III — Physical/Chemical Characteristics

Boiling Point	151-157	Specific Gravity (H <sub>2</sub> O = 1) 20/4 °C.	0.716
Vapor Pressure (mm Hg.) 100mm @	15.8 °C	Melting Point	89.99
Vapor Density (AIR = 1)	2.97	Evaporation Rate (Butyl Acetate = 1)	ND

### Solubility in Water

INSOLUBLE

### Appearance and Odor

WATER WHITE LIQUID HAVING A MILD SWEET ODOR

## Section IV — Fire and Explosion Hazard Data

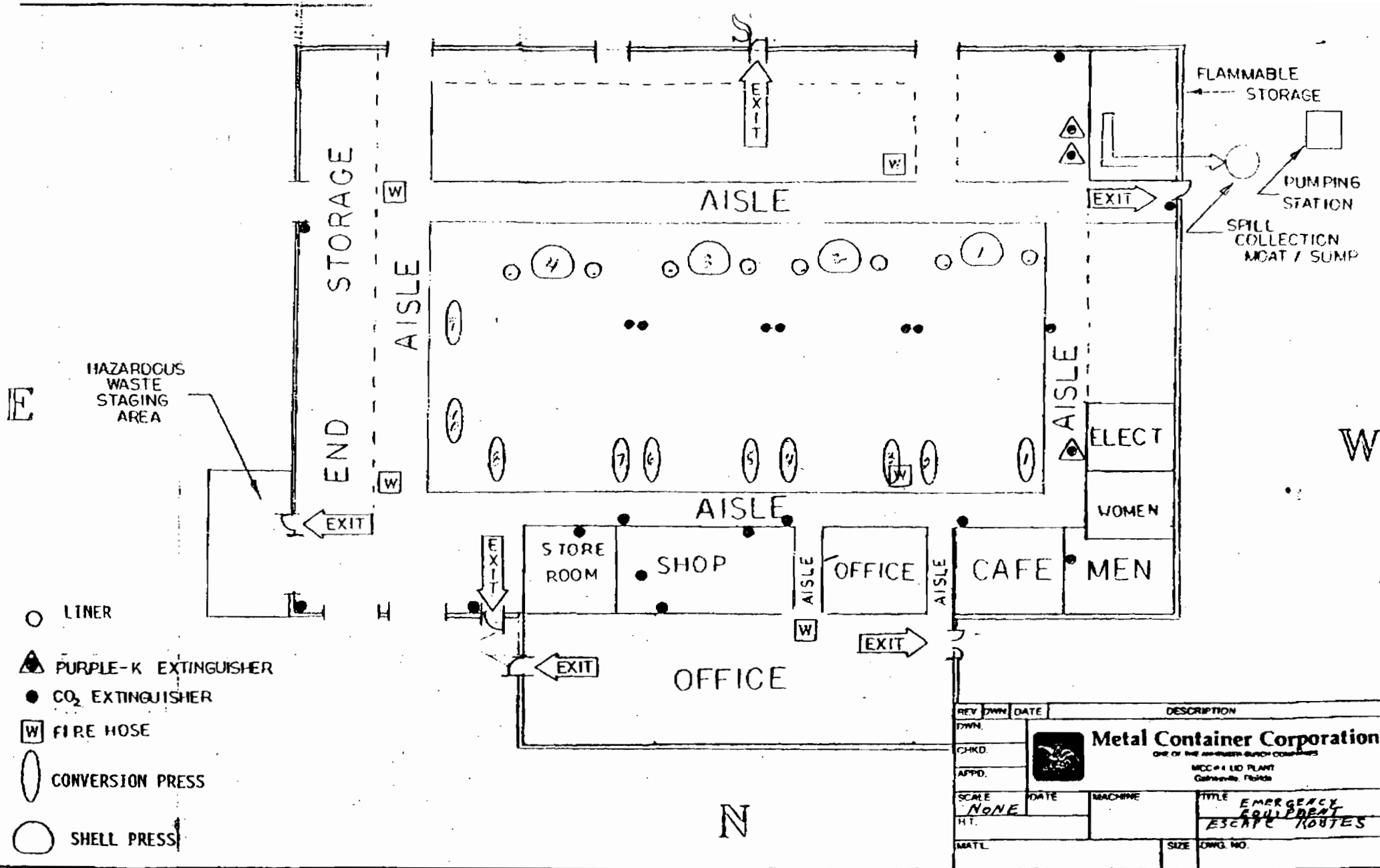
Flash Point (Method Used)	Flammable Limits	LEL	UEL
TAG CLOSED CUP -25°F.		1.1	7.5

## Extinguishing Media

**CARBON DIOXIDE, DRY CHEMICAL, FOAM OR OTHER MEDIA FOR CLASS B FIRE**

SPECIAL FIRE FIGHTING PROCEDURES DO NOT ENTER CONFINED FIRE SPACE WITHOUT PROPER PROTECTIVE EQUIPMENT INCLUDING A NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER. IN CASE OF LARGE FIRES, ALSO COOL SURROUNDING EQUIPMENT AND STRUCTURES WITH WATER.

Unusual Fire and Explosion Hazards VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND, OR BE MOVED BY VENTILATION AND IGNITED BY HEAT, PILOT LIGHTS, OTHER FLAMES AND IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIAL HANDLING POINT. NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM. PRODUCT CAN IGNITE EXPLOSIVELY.



REV	DWN	DATE	DESCRIPTION
	DWN.		
	CHKD.		
	APPD.		
SCALE	DATE	MACHINE	TITLE
NONE			EMERGENCY EQUIPMENT
H.T.			ESCAPE ROUTES
MATL.		SIZE	QTY. NO.

**Metal Container Corporation**  
 ONE OF THE AMERICAN RANCH COMPANIES  
 MDC #1 LEO PLANT  
 Gainesville, Florida



STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

NORTHEAST DISTRICT

3426 BILLS ROAD  
JACKSONVILLE, FLORIDA 32207  
904/798-4200



BOB MARTINEZ  
GOVERNOR  
DALE TWACHTMANN  
SECRETARY  
ERNEST E. FREY  
DISTRICT MANAGER  
GARY L. SHAFFER  
ASSISTANT DISTRICT MANAGER

June 10, 1988

Mr. Gary L. Reynolds  
Plant Manager  
Metal Container Corporation  
5909 N.W. 18th Drive  
Gainesville, Florida 32606

Dear Mr. Reynolds:

Alachua County - AP  
Metal Container Corporation  
No. 5 Module

Pursuant to Florida Administrative Code Rules 17-4.03 and 17-4.09 and Section 120.60, Florida Statutes, an application form for a permit to operate an air pollution source is being forwarded to you since, according to our records, your present permit No. AC01-146396 expires October 28, 1988.

Please submit the original and three copies of the completed and signed form by July 31, 1988 for processing by this office. Also include report per Specific Condition #4.

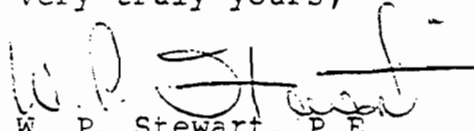
This will allow time for processing of the application and issuance of the new permit to be completed prior to expiration of the present permit.

A check in the amount of N/A<sup>1</sup> made payable to the Florida Department of Environmental Regulation is the required permit application processing fee.

If there are any questions regarding the above, please contact this office.

Operation permit to be revised

Very truly yours,

  
W. P. Stewart, P.E.  
Supervisor Air Section

WPS:jck

Enclosure - Certificate of Completion of Construction

Alachua Co. - AP  
Metal Container

05-16-88

CP for #5 module

issued 5- -88

expires 10-28-88

Made this note because this AM  
printed MAPPER for Oct upcoming permits.

→ Send form in June & fee NA. J

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

NORTHEAST DISTRICT  
3426 BILLS ROAD  
JACKSONVILLE, FLORIDA 32207  
904/798-4200



BOB MARTINEZ  
GOVERNOR  
DALE TWACHTMANN  
SECRETARY  
ERNEST E. FREY  
DISTRICT MANAGER

August 11, 1988

Mr. Robert M. Lanham  
Environmental Engineer  
Anheuser-Busch Companies  
One Busch Place  
St. Louis, Missouri 63118

*file*

Dear Mr. Lanham:

Alachua County - AP  
Metal Container Corporation  
No. 5 Module

This is a request for the following additional information by September 10, 1988, which is required to complete the permit application for the referenced source. It is requested in accordance with Florida Administrative Code Rule 17-4.055.

Please submit:

- ✓ 1. A copy of the daily operation log that includes the data required in Specific Condition #3 of permit No. AC01-146396.
- ✓ 2. Data that shows 22.3% of the hexane used in the thirty (30) day period after startup was recovered.

If there are any questions please contact us.

Very truly yours,

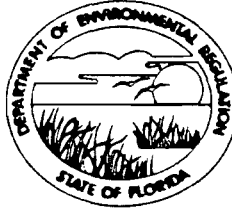
*W. P. Stewart*  
W. P. Stewart, P.E.  
Supervisor Air Section

WPS:jck

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

**NORTHEAST DISTRICT**

3426 BILLS ROAD  
JACKSONVILLE, FLORIDA 32207  
904/798-4200



BOB MARTINEZ  
GOVERNOR

DALE TWACHTMANN  
SECRETARY

ERNEST E. FREY  
DISTRICT MANAGER

GARY L. SHAFFER  
ASSISTANT DISTRICT MANAGER

PERMITTEE:  
Metal Container Corporation  
5909 N.W. 18th Drive  
Gainesville, FL 32606

I.D. Number:	31GVL01004601
Permit Number:	AC01-146396
Date of Issue:	May 17, 1988
Expiration Date:	October 28, 1988
County:	Alachua
Latitude/Longitude:	29°42'05"N; 82°20'53"W
Project:	No. 5 Lid Module
UTM:	E-(17)369.4; N-3287.2

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 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 the construction of No. 5 Lid Module (10th press)  
at an aluminum lid manufacturing facility.

Located at U.S. 441 and S.R. 121, north of Gainesville, Alachua County, FL

In accordance with:

construction permit application dated March 8, 1988  
additional information received April 7, 1988.

PERMITTEE:  
Metal Container Corporation

Permit No.: AC01-146396  
Date of Issue: May 17, 1988  
Expiration Date: October 28, 1988

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.
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. Nor 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 does not constitute 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, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, 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.
6. The permittee shall at all times 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, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

PERMITTEE:  
Metal Container Corporation

Permit No.: AC01-146396  
Date of Issue: May 17, 1988  
Expiration Date: October 28, 1988

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring 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 notify and provide the Department with the following information:
  - a. a description of and cause of noncompliance; and
  - b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.
  - c. 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 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 arising under the Florida Statutes or Department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.
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 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department.
12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.
13. This permit also constitutes:
  - ( ) Determination of Best Available Control Technology (BACT)
  - ( ) Determination of Prevention of Significant Deterioration (PSD)
  - ( ) Certification of Compliance with State Water Quality Standards  
(Section 401, FL 92-500)
  - ( ) Compliance with New Source Performance Standards

PERMITTEE:  
Metal Container Corporation

Permit No.: AC01-146396  
Date of Issue: May 17, 1988  
Expiration Date: October 28, 1988

14. The permittee shall comply with the following monitoring and record keeping requirements:
- a. Upon request, the permittee shall furnish all records and plans required under Department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the Department, during the course of any unresolved enforcement action.
  - b. The permittee shall retain 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), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be 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 date(s) analyses were performed;
    - the person responsible for performing the analyses;
    - the analytical techniques or methods used; and
    - the results of such analyses.
15. When requested by the Department, the permittee shall, within a reasonable period of 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 submitted or corrected promptly.

PERMITTEE:  
Metal Container Corporation

Permit No.: AC01-146396  
Date of Issue: May 17, 1988  
Expiration Date: October 28, 1988

SPECIFIC CONDITIONS:

1. The construction of this installation shall be completed by June 15, 1988 and the operation permit application is to be submitted by July 30, 1988.
2. The maximum allowable emission rate for each pollutant is as follows:

<u>Pollutant</u>	<u>Regulation</u>	<u>Emission Rate</u> <u>lbs/hr</u> <u>TPY</u>
VOC	17-2.620(1)	11.09 <sup>2,3</sup> 43.7

<sup>1</sup>VOC: volatile organic compounds

<sup>2</sup>Applicant proposes to emit less than RACT standard

<sup>3</sup>Basis: From ACP -

<u>Material</u>	<u>% VOC</u>	<u>Lbs. VOC/hr.</u>
end sealant <sup>4</sup>	39	5.48
tab lube	93	3.83
hexane	77.7	1.65
mineral spirits	100	0.13
		11.09

<sup>4</sup>The end sealant volatile portion shall not exceed 3.06 lbs/gal (excluding water) based on mfg. data submitted as additional information dated April 5, 1988.

3. Compliance shall be determined by recording the following data for each material used (see Specific Condition #2) that contains VOC:

1. amount (gals)
2. density (lbs/gal)
3. VOC factor (% by wt)
4. time factor(hrs)
5. total accumulative VOC emissions (tons)
6. hourly VOC emissions (lbs/hr)

<sup>1</sup>Maintain a file of plant usage logs

<sup>2</sup>Maintain a file of mfr. spec's data

4. Submit a report containing the data required in Specific Condition #3 for the 30 days' period after the startup of this module with the operation permit application. Also include a copy of the mfr. spec's data sheet(s) for each material used.
5. Any revision(s) to a permit (and application) must be submitted and approved prior to implementing.



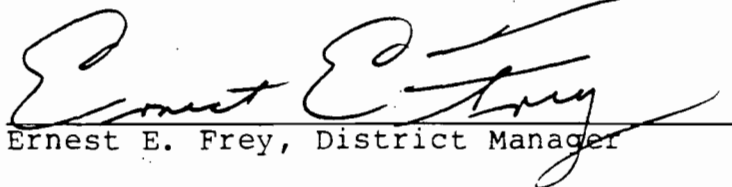
PERMITTEE:  
Metal Container Corporation

Permit No.: AC01-146396  
Date of Issue: May 17, 1988  
Expiration Date: October 28, 1988

6. Stack sampling ports and platform are to be provided with a method of access that is safe and reasonably accessible.
7. Forms for renewal will be sent 5 months prior to October 28, 1988 and the completed forms with the test results are due 90 days prior to October 28, 1988.

Issued this 17 day of May, 1987

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

  
Ernest E. Frey, District Manager

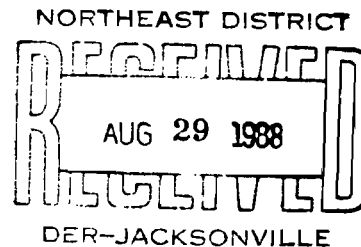
J. GLE



**ANHEUSER-BUSCH COMPANIES**

August 26, 1988

Mr. W. P. Stewart  
State of Florida  
Department of Environmental Regulation  
Northeast District  
3426 Bills Road  
Jacksonville, Florida 32207



Metal Container Corporation  
Permit No. AC01-146396  
Module No. 5

Dear Mr. Stewart:

In accordance with your request dated August 11, 1988, I have attached the following items:

- 1) A copy of the plant daily operation log that includes the data required in Specific Condition #3 of our construction permit (Attachment #1).
- 2) A laboratory analysis describing the method used to calculate the amount of hexane that is recovered (Attachment #2).

The attached operation logs are for plant-wide usage and production numbers. Actual emissions for Module No. 5 were calculated by taking the number of lids produced from Module No. 5 versus total plant production and using that ratio to determine the amount of each material used (see Attachment #3). There is no provision for measuring the actual usage rate at each module.

The second attachment is a report from Water and Air Research, Inc. describing the methods employed to determine what percentage of hexane is recovered for a given time period. This percentage was found to be 22.3% on a plant-wide basis. There is no actual data that was taken during the 30 days after start-up, but rather the average percent recovery determined in the report is assumed.

If you need any additional information please contact me at (314) 577-4168.

Sincerely,

*Bob Lanham*

Mr. Robert M. Lanham  
Environmental Engineer

RML/vrg  
Att.

Anheuser-Busch Companies, Inc.  
Executive Office  
One Busch Blvd.  
St. Louis, MO 63166

## ATTACHMENT #1

METAL CONTAINER CORPORATION  
GAINESVILLE, FLORIDA

## E M I S S I O N S   R E C O R D

Week Ending: 29-May-88

Day Date	Mon 05/23/88	Tue 05/24/88	Wed 05/25/88	Thur 05/26/88	Fri 05/27/88	Sat 05/28/88	Sun 05/29/88	Weekly Totals
Production-Shells	12255	11268	9393	10573	12354	11392	11777	79012
o COMPOUND [Lbs]	1705	1567	1306	1471	1718	1585	1638	10990
V.O.C. Factor	0.000195	0.000195	0.000195	0.000195	0.000195	0.000195	0.000195	
Tons V.O.C.	0.33248	0.30557	0.25467	0.28685	0.33501	0.30908	0.31941	2.14307
o TAB LUBE [Gal]	60	55	46	52	60	56	56	385
V.O.C. Factor	0.002995	0.002995	0.002995	0.002995	0.002995	0.002995	0.002995	
Tons V.O.C.	0.17970	0.16473	0.13777	0.15574	0.17970	0.16772	0.16772	1.15308
o HEXANE [Gal]	43	39	33	37	43	40	40	275
V.O.C. Factor	0.002176	0.002176	0.002176	0.002176	0.002176	0.002176	0.002176	
Tons V.O.C.	0.09357	0.08486	0.07181	0.08051	0.09357	0.08704	0.08704	0.59840
o SPRAY MIST [Gal]	0	0	0	0	0	0	0	0
V.O.C. Factor	0.002519	0.002519	0.002519	0.002519	0.002519	0.002519	0.002519	
Tons V.O.C.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
o MACHINE CLEANER [Gal]	0	0	0	0	0	0	0	0
V.O.C. Factor	0.00316	0.00316	0.00316	0.00316	0.00316	0.00316	0.00316	
Tons V.O.C.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
TOTAL V.O.C.	0.60575	0.55516	0.46425	0.52310	0.60828	0.56384	0.57417	3.89455
CUMULATIVE V.O.C.	0.60575	1.16091	1.62516	2.14826	2.75654	3.32038	3.89455	

Y.T.D. V.O.C.

$$72.44 + 3.89 = 76.33$$

02502849 P.02

\*\*\*\*\* PANAFAX UF-400 \*\*\*\*\*

10:35

05/31/1988

## Best Available Copy

METAL CONTAINER CORPORATION  
GAINESVILLE, FLORIDA

## E M M I S S I O N S   R E C O R D

x Ending: 05-Jun-88

	Mon 05/30/88	Tue 05/31/88	Wed 06/01/88	Thur 06/02/88	Fri 06/03/88	Sat 06/04/88	Sun 06/05/88	Weekly Totals
uction-5hells	11297	11430	12103	11814	11544	11915	10848	80951
OMPOUND (Lbs)	1342	1358	1438	1403	1371	1415	1289	9616
V.O.C. Factor	0.000195	0.000195	0.000195	0.000195	0.000195	0.000195	0.000195	
Tons V.O.C.	0.26169	0.26481	0.28041	0.27359	0.26735	0.27593	0.25136	1.87514
AB LUBE (Gall)	61	62	66	64	63	65	59	440
V.O.C. Factor	0.002995	0.002995	0.002995	0.002995	0.002995	0.002995	0.002995	
Tons V.O.C.	0.18270	0.18569	0.19767	0.19168	0.18869	0.19468	0.17671	1.31782
EXANE (Gall)	31	31	33	32	31	32	30	220
V.O.C. Factor	0.002176	0.002176	0.002176	0.002176	0.002176	0.002176	0.002176	
Tons V.O.C.	0.06746	0.06746	0.07181	0.06963	0.06746	0.06963	0.06528	0.47873
PRAY MIST (Gall)	0	0	0	0	0	0	0	0
V.O.C. Factor	0.002519	0.002519	0.002519	0.002519	0.002519	0.002519	0.002519	
Tons V.O.C.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
ACHINE CLEANER (Gall)	0	0	0	0	0	0	0	
V.O.C. Factor	0.00316	0.00316	0.00316	0.00316	0.00316	0.00316	0.00316	
Tons V.O.C.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
T A L V.O.C.	0.51185	0.51796	0.54989	0.53490	0.52350	0.54024	0.49335	3.67169
MULATIVE V.O.C.	0.51185	1.02981	1.57970	2.11460	2.63810	3.17834	3.67169	
T.D. V.O.C.	76.33 + 3.67 =							80

**METAL CONTAINER CORPORATION  
GAINESVILLE, FLORIDA**

## E M M I S S I O N S   R E C O R D

**Week Ending:** 12-Jun-88

Day Date	Mon 06/06/88	Tue 06/07/88	Wed 06/08/88	Thur 06/09/88	Fri 06/10/88	Sat 06/11/88	Sun 06/12/88	Weekly Totals
Production-Shells	12266	7638	9260	10295	12954	12393	11540	76346
o COMPOUND [Lbs]	1536	957	1160	1289	1622	1552	1446	9562
V.O.C. Factor	0.000195	0.000195	0.000195	0.000195	0.000195	0.000195	0.000195	
Tons V.O.C.	0.29952	0.18662	0.22620	0.25136	0.31629	0.30264	0.28197	1.86460
o TAB LUBE [Gall]	71	44	53	59	75	71	67	440
V.O.C. Factor	0.002995	0.002995	0.002995	0.002995	0.002995	0.002995	0.002995	
Tons V.O.C.	0.21265	0.13178	0.15874	0.17671	0.22463	0.21265	0.20067	1.31783
o HEXANE [Gall]	35	22	27	30	37	36	33	220
V.O.C. Factor	0.002176	0.002176	0.002176	0.002176	0.002176	0.002176	0.002176	
Tons V.O.C.	0.07616	0.04787	0.05875	0.06528	0.08051	0.07834	0.07181	0.47872
o SPRAY MIST [Gall]	0	0	0	0	0	0	0	0
V.O.C. Factor	0.002519	0.002519	0.002519	0.002519	0.002519	0.002519	0.002519	
Tons V.O.C.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.000
o MACHINE CLEANER [Gall]	0	0	0	0	0	0	0	
V.O.C. Factor	0.00316	0.00316	0.00316	0.00316	0.00316	0.00316	0.00316	
Tons V.O.C.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
TOTAL V.O.C.	0.58833	0.36627	0.44369	0.49335	0.62143	0.59363	0.55445	3.66115
CUMMULATIVE V.O.C.	0.58833	0.95460	1.39829	1.89164	2.51307	3.10670	3.66115	
Y.T.D. V.O.C.	80 + 3.66 = 83.66							

**METAL CONTAINER CORPORATION  
GAINESVILLE, FLORIDA**

**E M M I S S I O N S   R E C O R D**

Week Ending: 19-Jun-88

Day Date	Mon 06/13/88	Tue 06/14/88	Wed 06/15/88	Thur 06/16/88	Fri 06/17/88	Sat 06/18/88	Sun 06/19/88	Weekly Totals
Production-Shells	11557	8458	11660	11080	12472	11953	11650	78830
o COMPOUND [Lbs]	1551	1135	1565	1487	1674	1604	1565	10581
V.O.C. Factor	0.000195	0.000195	0.000195	0.000195	0.000195	0.000195	0.000195	
Tons V.O.C.	0.30245	0.22133	0.30518	0.28997	0.32643	0.31278	0.30518	2.06332
o TAB LUBE [Gal]	65	47	65	62	70	67	64	440
V.O.C. Factor	0.002995	0.002995	0.002995	0.002995	0.002995	0.002995	0.002995	
Tons V.O.C.	0.19468	0.14077	0.19468	0.18569	0.20965	0.20067	0.19168	1.31782
o BRXANE [Gal]	40	30	41	39	44	42	39	275
V.O.C. Factor	0.002176	0.002176	0.002176	0.002176	0.002176	0.002176	0.002176	
Tons V.O.C.	0.08704	0.06528	0.08922	0.08486	0.09574	0.09139	0.08486	0.59839
o SPRAY MIST [Gal]	0	0	0	0	0	0	0	0
V.O.C. Factor	0.002519	0.002519	0.002519	0.002519	0.002519	0.002519	0.002519	
Tons V.O.C.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
o MACHINE CLEANER [Gal]	0	0	0	0	0	0	0	0
V.O.C. Factor	0.00316	0.00316	0.00316	0.00316	0.00316	0.00316	0.00316	
Tons V.O.C.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
TOTAL V.O.C.	0.58417	0.42738	0.58908	0.56052	0.63182	0.60484	0.58172	3.97953
CUMULATIVE V.O.C.	0.58417	1.01155	1.60063	2.16115	2.79297	3.39781	3.97953	

Y.T.D. V.O.C.

$$83.66 + 3.98 = \boxed{87.64}$$

**METAL CONTAINER CORPORATION  
GAINESVILLE, FLORIDA**

**E M I S S I O N S   R E C O R D**

Week Ending:

26-Jun-88

Day Date	Mon 06/20/88	Tue 06/21/88	Wed 06/22/88	Thur 06/23/88	Fri 06/24/88	Sat 06/25/88	Sun 06/26/88	Weekly Totals
Production-Shells	12220	11088	11821	12303	8519	10040	11764	77753
o COMPOUND [Lbs]	1575	1429	1523	1585	1098	1294	1515	10019
V.O.C. Factor	0.000195	0.000195	0.000195	0.000195	0.000195	0.000195	0.000195	
Tons V.O.C.	0.30713	0.27866	0.29699	0.30908	0.21411	0.25233	0.29543	1.95373
o TAB LUBE [Gal]	86	78	84	87	60	71	84	550
V.O.C. Factor	0.002995	0.002995	0.002995	0.002995	0.002995	0.002995	0.002995	
Tons V.O.C.	0.25757	0.23361	0.25158	0.26057	0.17970	0.21265	0.25158	1.64726
o HEXANE [Gal]	35	31	33	35	24	28	34	220
V.O.C. Factor	0.002176	0.002176	0.002176	0.002176	0.002176	0.002176	0.002176	
Tons V.O.C.	0.07616	0.06746	0.07181	0.07616	0.05222	0.06093	0.07398	0.47872
o SPRAY MIST [Gal]	0	0	0	0	0	0	0	0
V.O.C. Factor	0.002519	0.002519	0.002519	0.002519	0.002519	0.002519	0.002519	
Tons V.O.C.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
o MACHINE CLEANER [Gal]	0	0	0	0	0	0	0	0
V.O.C. Factor	0.00316	0.00316	0.00316	0.00316	0.00316	0.00316	0.00316	
Tons V.O.C.	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000	0.00000
TOTAL V.O.C.	0.64088	0.57973	0.62038	0.64581	0.44603	0.52591	0.62099	4.07971
CUMULATIVE V.O.C.	0.64088	1.22059	1.84097	2.48678	2.93281	3.45872	4.07971	

Y.T.D. V.O.C.

$$87.64 + 4.08 = \boxed{91.72}$$

JUN 6 1985

**Water and Air Research, Inc.**  
CONSULTING ENVIRONMENTAL ENGINEERS AND SCIENTISTS

June 3, 1985

Mr. John Lutz  
Metal Container Corp.  
5909 N.W. 18th Drive  
Gainesville, FL 32606

Dear Mr. Lutz:

This letter is to report the results of the analyses of material obtained from your hexane waste drums. Our assumption was that if only waste hexane and oils were present, heating the liquid to 80°C would remove only the more volatile hexane fraction thereby allowing quantification of that fraction. Ten drums were sampled on May 28, 1985 by me with the assistance of Mr. Dave Lomos. Before sampling, the height of the liquid in each drum above the bottom or sediment was estimated to be:

<u>Drum No.</u>	<u>Height (cm)</u>	<u>Drum No.</u>	<u>Height (cm)</u>
1	77	6	70
2	85	7	67
3	84	8	84
4	80	9	80
5	75	10	72

An eleventh drum that was only about half full was not sampled. All drums had an internal diameter at the rim of about 56.5 cm.

A Coli-wasa-type sampler was used to obtain three composite grab samples from each drum.

At the Water and Air Research, Inc. laboratory, 20 ml aliquots of the first grab from each of the 10 drums were composited. Similar grab composites were made for the second and third grab samples. A duplicate composite was made for the second grab fractions. After sitting overnight, none of the grab samples appeared to have multiple layers, except for a small amount of sediment on the bottom of some sample containers.

After compositing, the grab composites were placed in a water bath at 60 to 65°C with air flowing over the sample surface. After 19 hours, the samples were placed in an oven at 80°C for 8 hours.



Mr. John Lutz  
June 3, 1985  
Page Two

Listed below are results of the weight and volume measurements and the calculated densities:

Measurement/Calculation	Grab Composite			
	1	2	2 Dup	3
Initial volume (ml)	199.5	199.0	199.5	198
Final volume (ml)	125	116	119.5	131
Volume lost (ml)	74.5	83	80	67
Initial sample weight (g)	154.53	154.41	155.45	155.22
Final sample weight (g)	104.19	98.18	100.85	109.62
Sample weight lost (g)	50.34	56.23	54.60	45.60
Initial sample density (g/ml)	0.775	0.776	0.779	0.784
Density material remaining (g/ml)	0.834	0.845	0.844	0.837
Density material lost (g/ml)	0.676	0.677	0.682	0.681
Approx. sediment volume (ml)	1-2	1	4-5	1
Percent volume lost	37.3	41.7	40.1	33.8

From a calculated volume of the ten drums (1,941 liters) and the mean volume loss (38.225 percent) it would appear that 742 liters of waste would be volatile at 80°C.

From the specifications sheet of your purchased hexane, the density is 5.61 lbs/gal, or 0.672 g/ml. The density/boiling point for n-hexane is listed as 0.659 g/ml and 68°C; for cyclohexane 0.779 g/ml and 81°C. It appears that cyclohexane would make up only a small portion of your purchased hexane since the density is close to that for n-hexane. There also appears to be good agreement between your specification sheet density and the calculated densities of the material lost at 80°C.

If you have any questions about these analyses or if I can be of further assistance, please give me a call.

Sincerely,

WATER AND AIR RESEARCH, INC.



Charles R. Fellows  
Laboratory Supervisor/Chemist

CRF/alf

METAL CONTAINER CORPORATION  
HEXANE BALANCE CALCULATIONS

1984 Usage of Hexane - 10,230 gals  
1984 Hexane sludge generated - 5,960 gals

5960 gals sludge X  $\frac{0.3823 \text{ gals Hexane}}{\text{GAL SLUDGE}}$  = 2279 gals Hexane

$\frac{2279 \text{ gals Hexane disposed}}{10,230 \text{ gals Hexane used}}$  = 22.3%

VOC factor for Hexane =  $1 - 0.223 = 0.777$

JVS 6/13/85

Table 1 - Lids Produced (M lids)

<u>Week Ending</u>	<u>Module 5</u>	<u>Total Plant</u>	<u>Percentage</u>
5/29/88	4,111	79,102	5.20
6/5/88	4,994	80,951	6.17
6/12/88	7,653	76,346	10.02
6/19/88	6,802	78,830	8.63
6/20-6/21	2,404	23,306	10.03

Table 2 - Materials Used

<u>Material</u>	<u>Density (lbs/gal)</u>	<u>VOC content (% by wgt)</u>
End Sealant Compound	7.85	39.0
Tab Lube	6.44	93.0
Hexane	5.60	77.7*
Mineral Spirits	6.32	100

\* remainder is uncovered

Table 3 - Usage Rates (gallons/week)

<u>Week Ending</u>	<u>End Sealant</u>	<u>Tab Lube</u>	<u>Hexane</u>	<u>Mineral Spirits</u>
5/29/88	72.84	20.03	14.31	-0-
6/05/88	75.57	27.14	13.57	-0-
6/12/88	122.10	44.11	22.05	-0-
6/19/88	116.31	37.97	23.73	-0-
6/20-6/21	39.47	16.91	6.81	-0-
	<hr/>	<hr/>	<hr/>	<hr/>
TOTAL	426.29	146.16	80.47	-0-

Table 4 - VOC Emissions

<u>Material</u>	<u>Usage (gallons)</u>	<u>Emission Factor (lbs/gal)</u>	<u>Emissions (lbs)</u>
End Sealant	426.29	3.06	1304.45
Tab Lube	146.16	5.99	875.50
Hexane	80.47	4.35	350.04
			<hr/>
		TOTAL	2529.99

30-day emission total - 1.26 tons  
Average hourly emissions - 3.51 lbs/hour

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

NORTHEAST DISTRICT

3426 BILLS ROAD  
JACKSONVILLE, FLORIDA 32207  
904/796-4200



NOTICE OF PERMIT

Mr. Gary L. Reynolds = 128, 127  
Plant Manager  
Metal Container Corporation  
5909 N.W. 18th Drive  
Gainesville, Florida 32606

Dear Mr. Reynolds: ~178

Alachua County - AP  
Metal Container Corporation  
Nos. 1, 2, 3 & 4 Lid Modules

Enclosed is Permit Number AO01-144728, dated April 20, 1988, to operate the subject air pollution source, issued pursuant to Section 403.087, Florida Statutes (F.S.).

Persons whose substantial interests are affected by this permit have a right, pursuant to Section 120.57, F.S., to petition for an administrative determination (hearing) on it. The petition must conform to the requirements of Chapters 17-103 and 28-5.201, Florida Administrative Code (FAC), and must be filed (received) in the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within fourteen (14) days of receipt of this notice. Failure to file a petition within the fourteen (14) days constitutes a waiver of any right such person has to an administrative determination (hearing) pursuant to Section 120.57, F.S.. This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with this paragraph or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, FAC. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, F.S., by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the 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 the Final Order is filed with the Clerk of the Department.

Mr. Gary L. Reynolds  
Metal Container Corporation  
Nos. 1,2,3 & 4 Lid Modules  
Permit No. A001-144728

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

*for Michael J. Fitzhums*  
Ernest E. Frey  
District Manager

*WPL*  
EEF:jck

Copies furnished to:

Gainesville Branch Office

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on 4/26/84 to the listed persons.

FILING AND ACKNOWLEDGEMENT  
FILED, on this date, pursuant to S120.52, Florida  
Statutes, with the designated Department Clerk,  
receipt of which is hereby acknowledged.

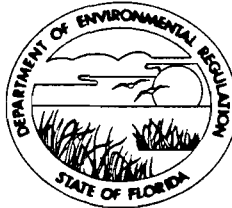
*[Signature]*  
Clerk

*[Signature]*  
Date

STATE OF FLORIDA  
**DEPARTMENT OF ENVIRONMENTAL REGULATION**

**NORTHEAST DISTRICT**

3426 BILLS ROAD  
JACKSONVILLE, FLORIDA 32207  
904/788-4200



BOB MARTINEZ  
GOVERNOR  
DALE TWACHTMANN  
SECRETARY

ERNEST E. FREY  
DISTRICT MANAGER  
GARY L. SHAFFER  
ASSISTANT DISTRICT MANAGER

**PERMITTEE:**

Metal Container Corporation  
5909 N.W. 18th Drive  
Gainesville, Florida

I.D. Number:	31GVL01004601
Permit Number:	AO01-144728
Date of Issue:	April 20, 1988
Expiration Date:	May 1, 1993
County:	Alachua
Latitude/Longitude:	29°42'05"N; 82°20'53"W
Project:	No. 1,2,3 & 4 Lid Modules
UTM:	E-(17)369.4; N-3287.2

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 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 the operation of No. 1, 2, 3 and 4 Lid Modules at an aluminum lid manufacturing facility.

Located at 5909 18th Drive, near the intersection of U.S. 441 and S.R. 121, north of Gainesville, Alachua County, FL.

In accordance with:

construction permit application dated September 18, 1981  
additional information received January 1, 1982  
operation permit application dated April 12, 1982  
construction permit application dated March 1, 1985  
additional information received April 18 and June 21, 1985  
operation permit application dated February 26, 1986  
additional information received April 7 and 15, 1986  
modification request received October 21, 1986  
renewal permit application dated January 29, 1988

PERMITTEE:  
Metal Container Corporation  
No. 1, 2, 3 and 4 Lid Modules

Permit No.: AO01-144728  
Date of Issue: April 20, 1988  
Expiration Date: May 1, 1993

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.
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. Nor 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 does not constitute 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, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, 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.
6. The permittee shall at all times 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, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

PERMITTEE:  
Metal Container Corporation

Permit No.: AO01-144728  
Date of Issue: April 20, 1988  
Expiration Date: May 1, 1993

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring 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 notify and provide the Department with the following information:
  - a. a description of and cause of noncompliance; and
  - b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.
  - c. 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 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 arising under the Florida Statutes or Department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.
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 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department.
12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.
13. This permit also constitutes:
  - ( ) Determination of Best Available Control Technology (BACT)
  - ( ) Determination of Prevention of Significant Deterioration (PSD)
  - ( ) Certification of Compliance with State Water Quality Standards  
(Section 401, FL 92-500)
  - ( ) Compliance with New Source Performance Standards



PERMITTEE:  
Metal Container Corporation  
No. 1, 2, 3 and 4 Lid Modules

Permit No.: AO01-144728  
Date of Issue: April 20, 1988  
Expiration Date: May 1, 1993

14. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under Department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the Department, during the course of any unresolved enforcement action.
- b. The permittee shall retain 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), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be 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 date(s) analyses were performed;
  - the person responsible for performing the analyses;
  - the analytical techniques or methods used; and
  - the results of such analyses.

15. When requested by the Department, the permittee shall, within a reasonable period of 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 submitted or corrected promptly.

PERMITTEE:  
Metal Container Corporation  
No. 1, 2, 3 and 4 Lid Modules

Permit No.: AO01-144728  
Date of Issue: April 20, 1988  
Expiration Date: May 1, 1993

SPECIFIC CONDITIONS:

1. The permitted maximum allowable emission rate for each pollutant is as follows:

<u>Pollutant</u>	<u>Rule</u>	<u>Emission Rate</u> <u>lbs/hr</u>	<u>TPY</u>
VOC <sup>1</sup>	17-2.620(1)	53.79 <sup>2</sup>	235.59 <sup>3,4</sup>

<sup>1</sup>VOC - volatile organic compounds (from production processes and cleanup)

<sup>2</sup>Basis: 235.59 TPY; 8760 hrs/yr.

<sup>3</sup>Note: 17-2.500(2)(d)2.a. states less than 250 TPY does not require NSR.

<sup>4</sup>Basis: No. 5 module ACP dated 3/8/88.

2. The End Sealant Compound volatile portion shall not exceed 3.06 lbs/gal excluding water) based on #5 module ACP will emit less than RACT standard, Rule 17-2.650(1)(f)1.b.(iv), FAC

3. Compliance shall be determined by recording the following data for each compound used that contains VOC and reported as required in Specific Condition No. 4:

11. amount (gals)

22. density (lbs/gal)

3. VOC FACTOR (% by wt)

4. time factor (hrs)

5. total accumulative VOC emissions (tons)

<sup>3</sup>6. hourly VOC emissions (lbs/hr)

<sup>1</sup>Note: Maintain a file of plant usage logs

<sup>2</sup>Note: Retain a file of manufacturer specifications data

<sup>3</sup>Note: Determine by (daily VOC emissions)  $\div$  (time factor)

4. Submit an annual operation report for this source on the form supplied by the Department for each calendar year on or before March 1 which shall include a copy of:

- Manufacturer's specifications dat sheet(s) for each material used.
- First and last plant usage logs (emissions record) showing the data required in Specific Condition No. 3.

PERMITTEE:

Metal Container Corporation  
No. 1, 2, 3 and 4 Lid Modules

Permit No.: AO01-144728  
Date of Issue: April 20, 1988  
Expiration Date: May 1, 1993

SPECIFIC CONDITIONS:

5. Any revision(s) to a permit (and application) must be submitted and approved prior to implementing.
6. Forms for renewal will be sent 5 months prior to May 1, 1993 and the completed forms with test results are due 90 days prior to May 1, 1993.

Issued this 20 day of April, 1988

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

*for* Michael J. Fitzsimmons  
Ernest E. Frey, District Manager

Madhuwa Co. - AP  
Metal Container  
Lid Plant  
renewal AOP review

02-12-88

Using '86 AOR, calc VOC rates

$$\text{Sealant (VOC)} = 92,342 \frac{\text{gal}}{\text{yr}} \times \frac{7.60 \text{ lbs}}{\text{gal}} \times .45 = 315809.6 \frac{\text{lbs}}{\text{yr}}$$
$$= 157.90 \text{ TPy}$$

$$\frac{\text{lbs (VOC)}}{\text{gal}} = \frac{315809.6}{92342} = 3.42 \text{ vs } 3.7 \text{ max}$$

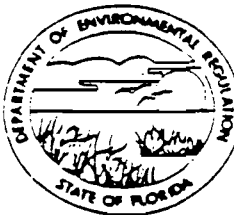
Total VOC in ~~the~~ AOR is 238,46 vs  
239.2 max

04-20 Decided to change the renewal OP to include emis rates, VOC lbs/gal that were in the ACP for #5 module.

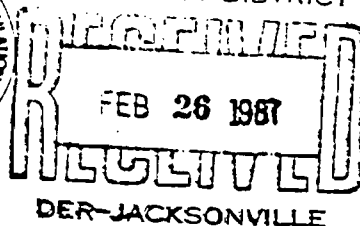
Called Bob L. & asked if they can comply with the lower VOC lbs/gal & soon after issue OP. He said he thinks so.

## DEPARTMENT OF ENVIRONMENTAL REGULATION

NORTHEAST DISTRICT

26 BILLS ROAD  
JACKSONVILLE, FLORIDA 32207

NORTHEAST DISTRICT

BOB GRAMAM  
GOVERNORVICTORIA J. TSCHINKEL  
SECRETARYErnest E. Frey  
DISTRICT MANAGER

A 3117

## ANNUAL OPERATION REPORT FORM FOR AIR EMISSIONS SOURCES

For each permitted emission point, please submit a separate report for calendar year 19\_\_\_\_  
prior to March 1st of the following year.

## I GENERAL INFORMATION

1. Source Name: Metal Container Corporation2. Permit Number: A001-688763. Source Address: 5909 N.W. 18th DriveGainesville, FL 326064. Description of Source: Lid PlantII ACTUAL OPERATING HOURS: 24 hrs/day 7 days/wk 52 wks/yrIII RAW MATERIAL INPUT PROCESS WEIGHT: (List separately all materials put into process  
and specify applicable units if other than tons/yr)

## Raw Material

## Input Process Weight

End Sealant Compound350.90tons/yrSpray Mist3.78tons/yrTab Lube54.50tons/yrHexane32.34tons/yrMineral Spirits1.56tons/yr

## IV PRODUCT OUTPUT (Specify applicable units)

3,252,473,000 lids

V TOTAL FUEL USAGE including standby fuels. If fuel is oil, specify type and sulfur content (e.g., No. 6 oil with 1% S).

\_\_\_\_\_ 10<sup>6</sup> cubic feet Natural Gas \_\_\_\_\_ 10<sup>3</sup> Kerosene  
\_\_\_\_\_ 10<sup>3</sup> gallons \_\_\_\_\_ Oil, \_\_\_\_\_ %S \_\_\_\_\_ tons Coal  
\_\_\_\_\_ 10<sup>3</sup> gallons Propane \_\_\_\_\_ tons Carbonaceous  
\_\_\_\_\_ 10<sup>6</sup> Black Liquor Solids \_\_\_\_\_ tons Refuse

Other (Specify type and units) \_\_\_\_\_

VI EMISSION RATE(S) (tons/yr)

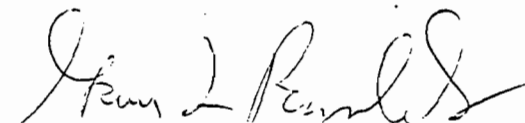
\_\_\_\_\_ Particulates \_\_\_\_\_ Sulfur Dioxide \_\_\_\_\_ Total Reduced Sulfur  
\_\_\_\_\_ Nitrogen Oxide \_\_\_\_\_ Carbon Monoxide \_\_\_\_\_ Fluoride  
238.46 \_\_\_\_\_ Hydrocarbon Other (Specify type and units) \_\_\_\_\_

VII METHOD OF CALCULATING EMISSION RATES (e.g., use of fuel and materials balance, emission factors drawn from AP 42, etc.)

Material balance from manufacturers MSDS

VIII CERTIFICATION:

I hereby certify that the information given in this report is correct to the best of my knowledge.



SIGNATURE OF OWNER OR  
AUTHORIZED REPRESENTATIVE

2-25-87

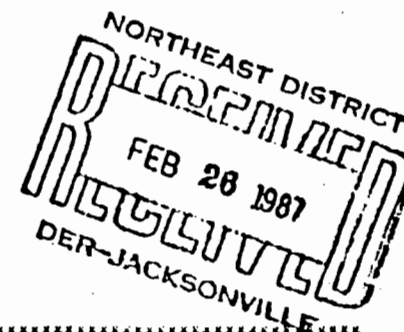
DATE

Plant Manager

TYPED NAME AND TITLE

METAL CONTAINER CORPORATION  
 GAINESVILLE LID MANUFACTURING FACILITY  
 1986 DER ANNUAL OPERATION REPORT  
 ACTUAL VOLATILE ORGANIC COMPOUND EMISSIONS

3.252 BILLION LIDS PRODUCED



*****					
COATING/SOLVENT	TYPICAL MANUFACTURERS IDENTIFICATION	USAGE (GALLONS)	DENSITY (LBS PER GALLON)	VOC CONTENT (BY WEIGHT)	VOC EMISSIONS (TONS PER YEAR)
*****					
END SEALANT COMPOUND	WHITTAKER 7201-C	92,342	7.60	0.450	157.90 ✓
SPRAY MIST	JENKIN-GUERIN (20/1)	1,265	5.97	0.844	3.19
TAB LUBE	JENKIN-GUERIN #3810	16,925	6.44	0.930	50.67
CLEAN-UP SOLVENTS	HEXANE	11,550	5.60	0.777 *	25.13
	MINERAL SPIRITS	455	6.32	1.000	1.56
TOTAL FACILITY VOC EMISSIONS					238.46

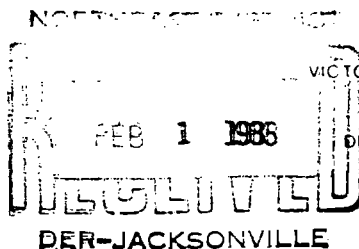
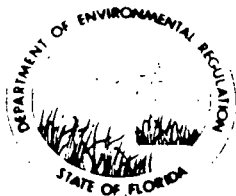
\*REMAINDER IS RECOVERED

STATE OF FLORIDA

## DEPARTMENT OF ENVIRONMENTAL REGULATION

## NORTHEAST DISTRICT

3426 BILLS ROAD  
JACKSONVILLE, FLORIDA 32207  
(904) 396-6959

BOB GRAHAM  
GOVERNORVICTORIA J. TSCHINKEL  
SECRETARYERNEST E. FREY  
DISTRICT MANAGER

APPLICATION FOR RENEWAL OF  
PERMIT TO OPERATE AIR POLLUTION SOURCE(S)

If major alterations have occurred, the applicant should complete the Standard Air Permit Application Form.

Source Type: Aluminum Lid Manufacturing Renewal of DER Permit No. AO 01-68876 ✓

Company Name: Metal Container Corporation County: Alachua

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):

No. 1, 2, 3, & 4 Lid Modules ✓

Source Location: Street: 5909 N.W. 18th Drive City: Gainesville

UTM: East 369.38 Km ✓ North 3287.23 Km ✓

Latitude: 2 9° 4 2' 0 5"N. ✓ Longitude: 8 2° 2 0' 5 3"W. ✓

- ✓ 1. Attach a check made payable to the Department of Environmental Regulation in accordance with operation permit fee schedule set forth in Florida Administrative Code Rule 17-4.05.
- ✓ 2. Have there been any alterations to the plant since last permitted? [ ] Yes [X] No  
If minor alterations have occurred, describe on a separate sheet and attach.
- NA 3. Attach the last compliance test report required per permit conditions if not submitted previously.
4. Have previous permit conditions been adhered to? [X] Yes [ ] No If no, explain on a separate sheet and attach.
- ✓ 5. Has there been any malfunction of the pollution control equipment during tenure of current permit? [ ] Yes [X] No If yes, and not previously reported, give brief details and what action was taken on a separate sheet and attach.
- ✓ 6. Has the pollution control equipment been maintained to preserve the collection efficiency last permitted by the Department? [X] Yes [ ] No
- ✓ 7. Has the annual operating report for the last calendar year been submitted? [X] Yes [ ] No If no, please attach.



8. Please provide the following information if applicable:

A. Raw Materials and Chemical Used in Your Process:

Description	Contaminant		Utilization	
	Type	%wt	Rate	lbs/hr
see attached sheet				

B. Product Weight (lbs/hr): \_\_\_\_\_

C. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	Avg/hr*	Max/hr**	

D. Normal Equipment Operating Time: hrs/day 24✓; days/wk 7✓; wks/yr 52✓;  
hrs/yr (power plants only) \_\_\_\_\_; if seasonal, describe \_\_\_\_\_

The undersigned owner or authorized representative\*\*\* of Metal Container Corporation is fully aware that the statements made in this application for a renewal of a permit to operate an air pollution source are true, correct and complete to the best of his knowledge and belief. Further, the undersigned agrees to maintain and operate the pollution source and pollution control facilities in such a manner as to comply with the provisions of Chapter 403, Florida Statutes, and all the rules and regulations of the Department. He also understands that a permit, if granted by the Department, will be non-transferable and he will promptly notify the Department upon sale or legal transfer of the permitted facility.

\*During actual time of operation.

\*\*Units: Natural Gas-MMCF/hr;  
Fuel Oils-barrels/hr; Coal-lbs/hr.

\*\*\*Attach letter of authorization if not previously submitted

Gary L. Reynolds 1/29/88  
Signature, Owner or Authorized Representative  
(Notarization is mandatory)

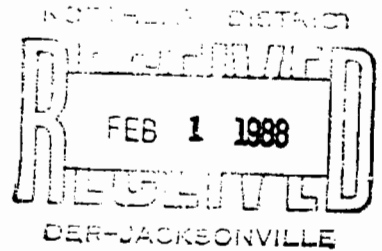
Gary L. Reynolds, Plant Manager

5909 N.W. 18th Drive  
Typed Name and Title

Gainesville, Florida 32606  
Address

City State Zip  
Gainesville FL 32606  
Date Telephone No. (904) 378-8800

2,  
Gainesville Metal Container Corporation  
Permit No. A001-68876



<u>DESCRIPTION</u>	<u>CONTAMINANT</u>		<u>UTILIZATION</u>		1487
	<u>TYPE</u>	<u>WT%</u>	<u>RATE</u>	<u>LBS/HR</u>	TP4
End Sealant Compound	VOC	45.0	80.11		157.90
Spray Mist	VOC	84.4	1.06		3.19
Tab Lube	VOC	93.0 ✓	12.44		50.67
Hexane	VOC	77.7	7.38		25.13
Mineral Spirits	VOC	100.0 ✓	.36		1.56
					<hr/> 238.46

# MATERIAL SAFETY DATA SHEET

For Coatings, Resins, and Related Materials  
(Essentially Similar to Form OSHA-20)

Page 1 of 1

Date Prepared : 1/30/85

Prepared by : S MORRIS

## Section I

Manufacturer's Name: MIDLAND DIVISION, THE DEXTER CORPORATION

Street Address : 1 East Water Street Waukegan, Illinois 60085

DAY-312/623-4200 Thomas Daly

NIGHT-312/945-3135

Emergency Telephone: DAY-312/623-4200 David Richie

NIGHT-312/872-4991

DAY-312/623-4200 Leonard Afremow

NIGHT-312/537-3034

Product Class : BEER & BEVERAGE END SEALANT

Trade Name : 7201-C

Manufacturer's Code: 0612A102

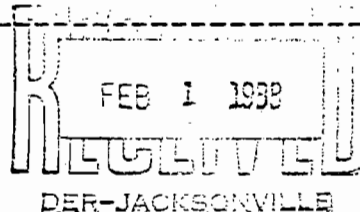
## Section II - HAZARDOUS INGREDIENTS

Ingredient(s)	Percent Weight	TLV		LEL	Vapor Pres. mm Hg @ 20C
		PPM	mg/cu-m		
Cyclohexane	15 - 20	300		1.3	100 @ 60.
Hexane	25 - 30	100		1.2	100 @ 160
Heptane	< 0.5	500		1.25	45.0
Denatured Ethyl Alcohol	< 5	1000		3.7	44.0
Methanol 99%	< 0.5	200		7.3	97.0
Methyl IsoButyl Ketone	< 0.5	100		4	15.0

## Section III - PHYSICAL DATA

Percent Volatile by Volume = 61.26  
 Weight per Gallon = 7.72 Pounds per Gallon  
 Boiling Range = 148 - 242 Deg. F.  
 Evaporation Rate = Slower than Ether  
 Vapor Density = Heavier than Air

NORTHEAST DISTRICT



NOV 30 1987

-----  
Section IV - FIRE AND EXPLOSION DATA  
-----

Flashpoint for Q612A102 = 15 deg. F Setflash CC  
DOT Category = Flammable Liquid

EXTINGUISHING MEDIA: Use National Fire Protection Association (NFPA) Class B extinguishers (carbon dioxide, dry chemical or foam) designed to extinguish NFPA Class IB flammable liquid fires.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Keep containers tightly closed. Isolate from heat, electrical equipment, sparks and open flame. Closed container may explode when exposed to extreme heat. Do not apply to hot surfaces.

DANGER! VAPORS MAY CAUSE FLASH FIRES!

SPECIAL FIRE FIGHTING PROCEDURES: Water spray may be ineffective. Water may be used to cool closed containers to prevent pressure build up and possible autoignition or explosion when exposed to extreme heat. If water is used, fog nozzles are preferable.

-----  
Section V - HEALTH HAZARD DATA  
-----

THRESHOLD LIMIT VALUE: See Section II.

EFFECTS OF OVEREXPOSURE: INHALATION: Anesthetic. Irritation of the respiratory tract or acute nervous system depression characterized by headache, dizziness, staggering gait, confusion, unconsciousness or coma.

Skin or Eye Contact: Primary irritation.

EMERGENCY AND FIRST AID PROCEDURES: FUMES: Remove from exposure. Restore breathing. Keep warm and quiet. Notify a physician. SPLASH (Eyes): Flush immediately with copious amounts of running water for at least 15 minutes. Take to a physician for definitive medical treatment. SPLASH (Skin): Remove with soap and water. Remove contaminated clothing.

-----  
Section VI - REACTIVITY DATA  
-----

STABILITY: Stable. CONDITIONS TO AVOID:

INCOMPATIBILITY (Materials to avoid):

HAZARDOUS DECOMPOSITION PRODUCTS: May produce hazardous fumes when heated to decomposition as in welding. Fumes may contain carbon monoxide and oxides of nitrogen.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: N/A

-----  
Section VII - SPILL OR LEAK PROCEDURES  
-----

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove all sources of ignition (flames, hot surfaces, and electrical, static, or frictional sparks). Avoid breathing vapors. Ventilate area. Remove with inert absorbent and non-sparking tools.

WASTE DISPOSAL METHOD: Dispose of in accordance with local, state, and federal regulations. Do not incinerate closed containers.

Section VIII - SPECIAL PROTECTION INFORMATION

**RESPIRATORY PROTECTION:** In outdoor or open areas use NIOSH approved mechanical filter respirator to remove solid air borne particles of overspray during spray application. In restricted ventilation areas use NIOSH approved chemical mechanical filters designed to remove a combination of particulate and gas and vapor. In confined areas use NIOSH approved air line type respirators or hoods.

**VENTILATION:** Provide general dilution or local exhaust ventilation in volume and pattern to keep TLV of most hazardous ingredient in Section II below acceptable limit, LEL in Section IV below stated limit, and to remove decomposition products during welding or flame cutting on surfaces coated with this product.

**PROTECTIVE GLOVES:** Required for prolonged or repeated contact.

**EYE PROTECTION:** Use safety eyewear designed to protect against splash of liquids.

**OTHER PROTECTIVE EQUIPMENT:** Prevent prolonged skin contact with contaminated clothing.

Section IX - SPECIAL PRECAUTIONS

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Do not store above 120 degrees Fahrenheit. Store large quantities in buildings designed for storage of NFPA Class I flammable liquids.

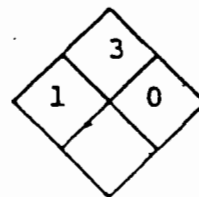
**OTHER PRECAUTIONS:** Do not take internally. Containers should be grounded when pouring. Avoid free fall of liquid in excess of a few inches. Do not flame cut, braze, or weld without NIOSH approved respirator or appropriate ventilation.

KEEP CONTAINER CLOSED WHEN NOT IN USE!



# MATERIAL HEALTH AND SAFETY BULLETIN

Union Chemicals Division  
Petrochemical Group



UCD No.: 871

Product Code No.: 1487

UN No. 1208

MANUFACTURER'S NAME  Union Chemicals Division, Union Oil Company of California	
STREET ADDRESS  1345 North Meacham Road	
CITY, STATE, AND ZIP CODE  Schaumburg, Illinois 60196	Business Phone: (312) 885-5450
EMERGENCY TELEPHONE NO.  Transportation Emergencies call CHEMTREC (800) 424-9300 Health Emergencies Call Los Angeles Poison Control Center (24 hours) (213) 664-2121	

<b>PRODUCT:</b> Hexane	<b>WARNING STATEMENT:</b>  Danger Extremely Flammable. DO NOT induce vomiting if swallowed. For industrial use only.
<b>COMMON NAME:</b> AMSCO Solv 1487	
<b>GENERIC NAME:</b> Volatile Solvent	
<b>CHEMICAL NAME:</b> Hexane	
<b>CHEMICAL FAMILY:</b> Hydrocarbon Mixture	
<b>DOT PROPER SHIPPING NAME:</b>  Hexane	

## Section I - - INGREDIENTS

	TLV*		TLV*
n-Hexane	500A		
Cyclohexane	300A		
C <sub>6</sub> Isomers	500B		

Threshold Limit Value    A. OSHA ☒    B. ACGIH ☒    C. See Section III ☐    D. Other ☐

NOV 30 1987

## Section II -- EMERGENCY AND FIRST AID PROCEDURES

**EMERGENCY:** Have a physician call LOS ANGELES POISON CONTROL CENTER (24 hrs.) 213/664-2121

Eye Contact	If this product comes in contact with the eyes, flush with large quantities of water for at least 15 minutes and seek immediate medical attention.
Skin Contact	If this product comes in contact with the skin, wash with soap and large quantities of water and seek medical attention if irritation from contact persists.
Inhalation	If breathing difficulties, dizziness, or lightheadedness occur when working in areas with high vapor concentrations, victim should seek air free of vapors. If victim experiences continued breathing difficulties, administer oxygen until medical assistance can be rendered. If breathing stops, begin artificial respiration and seek immediate medical attention.
Ingestion	If this product is swallowed, DO NOT induce vomiting. Seek immediate medical advice and/or attention.

## Section III -- PHYSIOLOGICAL EFFECTS AND HEALTH INFORMATION

Eye Effects	This product may be an eye irritant.
Skin Effects	This product may cause skin irritation upon prolonged or repeated contact.
Systemic Effects	<p>Various studies have shown a possible association with exposure to this product and the following:</p> <p>Respiratory tract irritation</p> <p>Central nervous system depression in high concentrations</p> <p>Weakening and numbness in extremities</p> <p>NOV 30 1987</p>

Section IV -- SPECIAL PROTECTION INFORMATION			
Respiratory Protection (Specify Type)	The use of respiratory protection depends on vapor concentration above the time-weighted TLV: use a NIOSH approved cart-ridge respirator or gas mask.		
Ventilation	General mechanical ventilation may be sufficient to keep product vapor concentrations within specified time-weighted TLV ranges. If general ventilation proves inadequate to maintain safe vapor concentrations, supplemental local exhaust may be required. Other special precautions such as respiratory masks or environmental containment devices may be required in extreme cases.		
Protective Gloves	The use of impermeable gloves is advised to prevent skin irritation in sensitive individuals.	Eye Protection	Safety glasses, chemical goggles and/or face shields are recommended to safeguard against potential eye contact, irritation, or injury.
Other Protective Equipment	Impermeable aprons are advised when working with this product. The availability of eye washes and safety showers in work areas is recommended.		

Section V -- REACTIVITY DATA			
Stability	<div>Unstable</div> <div>Stable</div>	<div></div> <div>X</div>	Conditions to Avoid:
Incompatibility (Materials to Avoid)	This product is incompatible with strong oxidizing agents strong acids or bases selected amines		
Hazardous Decomposition Products	Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide.		
Hazardous Polymerization	<div>May Occur</div> <div>Will Not Occur</div>	<div></div> <div>X</div>	Conditions to Avoid:

Section VI -- SPILL OR LEAK PROCEDURES	
HIGHWAY OR RAILWAY SPILLS - CALL CHEMTREC 800/424-9300	
Precautions In Case of Release or Spill	Keep sources of ignition and hot metal surfaces isolated from the spill. Flush spilled material into suitable retaining areas or containers with large quantities of water. Small amounts of spilled material may be absorbed into an appropriate absorbant.
Reportable Quantity	Notify Coast Guard National Response Center; Phone No. 800-424-8802, If Spill Is Greater Than <u>    </u> lbs. (Kilograms)
Waste disposal method	Dispose of <u>          </u> product in accordance with applicable local, county, state and federal regulations.



## Section VII -- STORAGE AND SPECIAL PRECAUTIONS

Handling and Storing Precautions	Keep product containers cool, dry, and away from sources of ignition. Use and store this product with adequate ventilation. (See Section IV.)
Other Precautions	Personnel should avoid inhalation of vapors. (See sections I, II, III, V, VI) Personal contact with the product should be avoided. Should contact be made, remove saturated clothing and flush affected areas with water. (See sections II, IV, VI)

## Section VIII -- FIRE AND EXPLOSION HAZARD DATA

DOT Flammability Classification	Flammable Liquid	Flash Point Range: <input checked="" type="checkbox"/> Below 20° F, <input type="checkbox"/> 20° F - 100° F <input type="checkbox"/> 100° F - 200° F <input type="checkbox"/> Over 200° F <input type="checkbox"/> None to boiling
Extinguishing Media	Use foam, CO <sub>2</sub> or dry chemical fire fighting apparatus.	
Unusual Fire and Explosion Hazards	Keep work areas free of hot metal surfaces and other sources of ignition.	
Fire Fighting Procedures	The use of self-contained breathing apparatus is recommended for fire fighters. Water may be unsuitable as an extinguishing media, but helpful in keeping adjacent containers cool. Avoid spreading burning liquid with water used for cooling purposes.	

## Section IX -- PHYSICAL DATA

Approximate Boiling Range, ° F	150° - 158° F	Vapor Density: <input checked="" type="checkbox"/> Heavier Than Air <input type="checkbox"/> Lighter
Evaporation Rate: <input type="checkbox"/> Faster Than Ether <input checked="" type="checkbox"/> Slower	Percent Volatile: 100%	Solubility in Water: Negligible
Specific Gravity: <input checked="" type="checkbox"/> Lighter Than Water <input type="checkbox"/> Heavier	Weight per Gallon: 5.61	
Appearance and Odor:	This product is clear, has little if any color and has a characteristic odor.	

## Section X -- DOCUMENTARY INFORMATION

Product Code No. 1487	Issue Date 10/20/80	Prepared By Paul Pfeifer
Replaces: UCD No. 249	Product Code No. 1487	Issued 12/79
Reviewed By: <i>J. J. Litten</i>	Manager, Loss Prevention	
Reviewed By: <i>Rainer Sech</i>	Director of Occupational Health & Toxicology	
Reviewed By: <i>William L. Brown</i>	Science and Technology Division	

The above information is believed to be correct as of the date hereof. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or is to be implied regarding the accuracy of these data, the results to be obtained from the use of the material, or the hazards connected with such use. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume responsibility for the results of its use. This information is furnished on the condition that the person receiving it shall make his own determination as to the suitability of the material for his particular purpose and on the condition that he assume the risk of his use thereof.

**Section V — Reactivity Data**

Stability	Unstable		Conditions to Avoid
	Stable	X	STRONG OXIDIZING AGENTS
Incompatibility (Materials to Avoid) STRONG OXIDIZING AGENTS			

**Hazardous Decomposition or Byproducts**

CARBON DIOXIDE AND CARBON MONOXIDE, VARIOUS HYDROCARBONS, ETC.

Hazardous Polymerization	May Occur		Conditions to Avoid
	Will Not Occur	X	

**Section VI — Health Hazard Data**

Route(s) of Entry:	Inhalation? YES	Skin? YES	Ingestion? NO
Health Hazards (Acute and Chronic) EYES: CAN CAUSE SEVERE IRRITATION, REDNESS, TEARING, BLURRED VISION. SKIN: PROLONGED CONTACT CAN CAUSE MODERATE IRRITATION, DEFATTING, DERMATITIS. BREATHING: EXCESSIVE INHALATION CAN CAUSE NASAL AND RESPIRATORY IRRITATION, DIZZINESS, WEAKNESS, FATIGUE, NAUSEA, HEADACHE, POSSIBLE UNCONSCIOUSNESS, AND EVEN ASPHYXIATION. SWALLOWING: CAN CAUSE GASTROINTESTINAL IRRITATION, NAUSEA, VOMITING, AND DIARRHEA. ASPIRATION OF MATERIAL INTO THE LUNGS CAN CAUSE CHEMICAL PNEUMONITIS WHICH CAN BE FATAL.			
Carcinogenicity:	NTP? NO	IARC Monographs? NO	OSHA Regulated? NO

Signs and Symptoms of Exposure PROLONGED AND REPEATED EXPOSURE MAY DAMAGE PERIPHERAL NERVE TISSUE (THAT OF THE ARMS AND LEGS) AND RESULT IN MUSCULAR WEAKNESS AND LOSS OF SENSATION IN THE EXTREMITIES (PERIPHERAL NEUOPATHY).

OVEREXPOSURE HAS BEEN SUGGESTED AS A CAUSE OF THE FOLLOWING EFFECTS IN HUMANS: CENTRAL NERVOUS SYSTEM DAMAGE.

**Medical Conditions**

Generally Aggravated by Exposure SEE ABOVE

Emergency and First Aid Procedures SKIN: THOROUGHLY WASH EXPOSED AREA WITH SOAP AND WATER. REMOVE CONTAMINATED CLOTHING. LAUNDRY CONTAMINATED CLOTHING BEFORE RE-USE. EYES: FLUSH WITH LARGE AMOUNTS OF WATER, LIFTING UPPER AND LOWER LIDS OCCASIONALLY, GET MEDICAL ATTENTION. INGESTION: DO NOT INDUCE VOMITING, KEEP WARM, QUIET GET MEDICAL ATTENTION. BREATHING: REMOVE TO FRESH AIR; IF BREATHING IS DIFFICULT ADMINISTER OXYGEN. GET MEDICAL ATTENTION.

**Section VII — Precautions for Safe Handling and Use**

Steps to Be Taken in Case Material Is Released or Spilled SMALL SPILL: ABSORB LIQUID ON PAPER, VERMICULITE, FLOOR ABSORBENT OR OTHER ABSORBENT MATERIAL AND TRANSFER TO HOOD. LARGE SPILL: ELIMINATE ALL IGNITION SOURCES (FLARES, FLAMES INCLUDING PILOT LIGHTS, ELECTRICAL SPARKS). STOP SPILL AT SOURCE, DIKE AREA OF SPILL TO PREVENT SPREADING, PUMP LIQUID TO SALVAGE TANK, REMAINING LIQUID MAY BE TAKEN UP ON SAND, CLAY, EARTH, FLOOR ABSORBENT, OR OTHER ABSORBENT MATERIAL AND SHOVELED INTO CONTAINERS. PERSONS NOT WEARING PROTECTIVE EQUIPMENT SHOULD BE EXCLUDED FROM AREA OF SPILL UNTIL CLEAN-UP HAS BEEN COMPLETED.

Waste Disposal Method SMALL SPILL: ALLOW VOLATILE PORTION TO EVAPORATE IN HOOD. ALLOW SUFFICIENT TIME FOR VAPORS TO COMPLETELY CLEAR HOOD DUCT WORK. DISPOSE OF REMAINING MATERIAL IN ACCORDANCE WITH APPLICABLE REGULATIONS.

LARGE SPILL: DESTROY BY LIQUID INCINERATION. CONTAMINATED ABSORBENT MAY BE DEPOSITED IN LANDFILL IN ACCORDANCE WITH LOCAL, STATE, AND FEDERAL REGULATIONS.

Precautions to Be Taken in Handling and Storing CONTAINERS OF THIS MATERIAL MAY BE HAZARDOUS WHEN EMPTIED. SINCE EMPTIED CONTAINERS RETAIN PRODUCT RESIDUES (VAPORS, LIQUID, AND/OR SOLID), ALL HAZARD PRECAUTIONS GIVEN IN THE DATA SHEET MUST BE OBSERVED.

**Other Precautions**

KEEP AWAY FROM CHILDREN!!!

**Section VIII — Control Measures**

Respiratory Protection (Specify Type) IF TLV IS EXCEEDED, A NIOSH/MSHA JOINTLY APPROVED AIR SUPPLIED RESPIRATOR IS ADVISED IN ABSENCE OF PROPER ENVIRONMENTAL CONTROL.

Ventilation	Local Exhaust PROVIDE SUFFICIENT MECHANICAL VENTILATION TO MAINTAIN EXPOSURE BELOW TLV(S)	Special SEE LOCAL EXHAUST
	Mechanical (General) SEE ABOVE	Other SEE LOCAL EXHAUST

**Protective Gloves**

NITRILE RUBBER

**Eye Protection**

CHEMICAL SPLASH GOGGLES

**Other Protective Clothing or Equipment**

WEAR IMPERVIOUS CLOTHING AND BOOTS

Work/Hygienic Practices WASH SKIN THOROUGHLY WITH SOAP AND WATER AFTER CONTACT, BEFORE BREAKS AND MEALS, AND END OF WORK PERIOD.

# Material Safety Data Sheet

May be used to comply with  
OSHA's Hazard Communication Standard,  
29 CFR 1910.1200. Standard must be  
consulted for specific requirements.

## U.S. Department of Labor

Occupational Safety and Health Administration  
(Non-Mandatory Form)

Form Approved

OMB No. 1218-0072



IDENTITY (As Used on Label and List)

ANCHOR (SPRAY MIST) SOLUTION 20-1

Note: Blank spaces are not permitted. If any item is not applicable, or no information is available, the space must be marked to indicate that.

### Section I

Manufacturer's Name

JENKIN-GUERIN, INC.

Emergency Telephone Number

1-800-424-9300

Address (Number, Street, City, State, and ZIP Code)

4480 HUNT AVENUE

Telephone Number for Information

(314) 652-2905

ST. LOUIS, MO

Date Prepared

4/22/86

63110-2182

Signature of Preparer (optional)

### Section II — Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
-------------------------------------------------------------------	----------	-----------	--------------------------	--------------

ADDITIVES

2

### Section III — Physical/Chemical Characteristics

Boiling Point	151-157	Specific Gravity (H <sub>2</sub> O = 1)	20/4°C.	0.716
Vapor Pressure (mm Hg.) 100mm @	15.8°C	Melting Point		89.99
Vapor Density (AIR = 1)	2.97	Evaporation Rate (Butyl Acetate = 1)		ND

Solubility in Water

INSOLUBLE

Appearance and Odor

WATER WHITE LIQUID HAVING A MILD SWEET ODOR

### Section IV — Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
TAG CLOSED CUP -25°F.		1.1	7.5

Extinguishing Media

CARBON DIOXIDE, DRY CHEMICAL, FOAM OR OTHER MEDIA FOR CLASS B FIRE

**Special Fire Fighting Procedures** DO NOT ENTER CONFINED FIRE SPACE WITHOUT PROPER PROTECTIVE EQUIPMENT INCLUDING A NIOSH APPROVED SELF-CONTAINED BREATHING APPARATUS. COOL FIRE EXPOSED CONTAINERS WITH WATER. IN CASE OF LARGE FIRES, ALSO COOL SURROUNDING EQUIPMENT AND STRUCTURES WITH WATER.

**Unusual Fire and Explosion Hazards** VAPORS ARE HEAVIER THAN AIR AND MAY TRAVEL ALONG THE GROUND, OR BE MOVED BY VENTILATION AND IGNITED BY HEAT, PILOT LIGHTS, OTHER FLAMES AND IGNITION SOURCES AT LOCATIONS DISTANT FROM MATERIAL HANDLING POINT. NEVER USE WELDING OR CUTTING TORCH ON OR NEAR DRUM. PRODUCT CAN IGNITE EXPLOSIVELY.

(Reproduce locally)

OSHA 174, Sept. 1985

## Section V -- HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

85 ppm

EFFECTS OF OVEREXPOSURE

Drying of skin. Eye irritation. Excessive inhalation may cause anesthesia, headache, dizziness, nausea, upper respiratory irritation.

EMERGENCY AND FIRST AID PROCEDURES

Inhalation: remove to fresh air, apply artificial respiration if necessary, call a physician.

Skin contact: wash with mild soap and water, apply a mild skin cream, in severe cases contact

a physician. Eye contact: flush with water, call a physician. Ingestion: call a physician.

## Section VI -- REACTIVITY DATA

STABILITY

UNSTABLE

CONDITIONS TO AVOID

STABLE

X

heat, sparks, open flame, fire

INCOMPATIBILITY (Materials to avoid)

strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS

thermal decomposition may yield carbon monoxide and carbon dioxide

HAZARDOUS  
POLYMERIZATION

MAY OCCUR

CONDITIONS TO AVOID

WILL NOT OCCUR

X

## Section VII -- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED

Flush with water into retaining area or container. Avoid sparks, fire or hot metal surfaces. Small quantities may be absorbed onto an appropriate absorbant.

WASTE DISPOSAL METHOD

Incinerate under safe conditions or dispose of in accordance with applicable local, state and federal regulations.

## Section VIII -- SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type)

Depends on concentration above time weighted TLV, cartridge respirator or gas mask.

VENTILATION

LOCAL EXHAUST

Whatever is sufficient to

SPECIAL

keep workroom

MECHANICAL (General)

concentration below the

OTHER

TLV.

PROTECTIVE GLOVES

impermeable

EYE PROTECTION

chemical goggles

OTHER PROTECTIVE EQUIPMENT

apron

barrier cream

## Section IX -- SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Keep cool and away from sources of ignition. Use with adequate ventilation. Avoid prolonged or repeated personal contact.

OTHER PRECAUTIONS

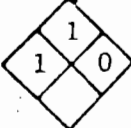
# MATERIAL SAFETY DATA SHEET

## Section I

PRODUCER'S NAME		AMSCO Division Union Oil Company of California	
STREET ADDRESS		3100 South Meacham Road	
CITY, STATE, AND ZIP CODE		Palatine, Illinois 60067	
EMERGENCY TELEPHONE NO.		(312) 885-5467	
CHEMICAL NAME AND SYNONYMS		TRADE NAME	
not applicable		AMSCO Solv 1241, Odorless Mineral Spirits	
CHEMICAL FAMILY		FORMULA	
Petroleum Hydrocarbon Fraction		not applicable	

## Section II -- HAZARDOUS INGREDIENTS

### PAINTS, PRESERVATIVES, & SOLVENTS

 NFPA 704M	%	TLV (Units)	SOLVENTS	%	TLV (Units)
			Solvent	100	85 ppm
CATALYST			ADDITIVES		
OTHER			OTHERS		

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	TLV (Units)

## Section III -- PHYSICAL DATA

BOILING POINT (°F.)	350-400	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	0.76
VAPOR PRESSURE (mm Hg.)	0.5 @ 68°F.	PERCENT VOLATILE BY VOLUME (%)	100
VAPOR DENSITY (AIR=1)	5.9	EVAPORATION RATE (n-Pentane=1)	0.2
SOLUBILITY IN WATER	negligible		
APPEARANCE AND ODOR	clear, colorless, characteristic		

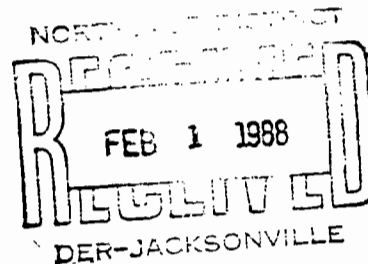
## Section IV -- FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (METHOD USED)	FLAMMABLE LIMITS	Lel	Uel
125°F., TCC			
EXTINGUISHING MEDIA			
foam, CO <sub>2</sub> , dry chemical, water spray			
SPECIAL FIRE FIGHTING PROCEDURES			
wear self-contained breathing apparatus			
water may be unsuitable except as a cooling medium			
UNUSUAL FIRE AND EXPLOSION HAZARDS			



**Metal Container  
Corporation**

ONE OF THE AMERUSEP-BUSCH COMPANIES



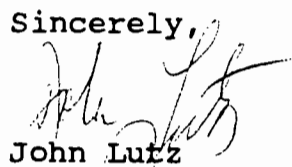
January 29, 1988

Florida Department of Environmental Regulation  
Northeast District  
3426 Bills Road  
Jacksonville, FL 32207

Gentlemen:

Transmitted herewith is the completed application (original and 3 copies) for renewal of our plant's operating permit, together with our check in the amount of \$100.00.

Sincerely,

  
John Lutz  
Engineering Manager

JL:am

attachments

cc: R. Lanham  
File



# Florida Department of Environmental Regulation

Northeast District • 3426 Bills Road • Jacksonville, Florida 32207 • 904-798-4200

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

Ernest Frey, Deputy Assistant Secretary

RECEIVED

APR 13 1989

## NOTICE OF PERMIT

DER-DAQM

Mr. Gary L. Reynolds  
Plant Manager  
Metal Container Corporation  
5909 N.W. 18th drive  
Gainesville, Florida 32606

*File*

Dear Mr. Reynolds:

Alachua County - AP  
Metal Container Corporation  
No. 1,2,3,4 and 5 Lid Modules

Enclosed is Permit Number A001-144728, dated April 20, 1988 and revised September 23, 1988, to operate the subject air pollution source, issued pursuant to Section 403.087, Florida Statutes (F.S.).

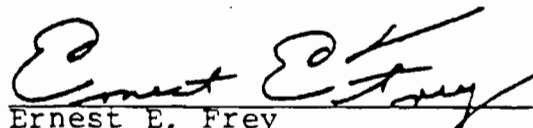
Persons whose substantial interests are affected by this permit have a right, pursuant to Section 120.57, F.S., to petition for an administrative determination (hearing) on it. The petition must conform to the requirements of Chapters 17-103 and 28-5.201, Florida Administrative Code (FAC), and must be filed (received) in the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within fourteen (14) days of receipt of this notice. Failure to file a petition within the fourteen (14) days constitutes a waiver of any right such person has to an administrative determination (hearing) pursuant to Section 120.57, F.S.. This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with this paragraph or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, FAC. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, F.S., by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the 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 the Final Order is filed with the Clerk of the Department.

Mr. Gary L. Reynolds  
Metal Container Corporation  
No. 1,2,3,4 and 5 Lid Modules  
Permit No. A001-144728

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

  
Ernest E. Frey  
Deputy Assistant Secretary

EEF:jck

Copies furnished to:

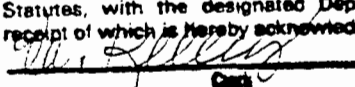
John H. Schamburg, P.E.  
Gainesville Branch Office

CERTIFICATE OF SERVICE

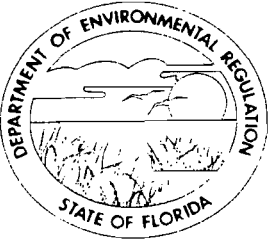
This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on 9/27/88 to the listed persons.

FILING AND ACKNOWLEDGEMENT

FILED, on this date, pursuant to S120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

 9/27/88  
Clerk Date





## Florida Department of Environmental Regulation

Northeast District • 3426 Bills Road • Jacksonville, Florida 32207 • 904-798-4200

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary  
Ernest Frey, Deputy Assistant Secretary

**PERMITTEE:**

Metal Container Corporation  
5909 N.W. 18th Drive  
Gainesville, Florida

I.D. Number:	31GVL01004601
Permit Number:	AO01-144728
Date of Issue:	April 20, 1988; Rev. 9/23/88
Expiration Date:	May 1, 1993
County:	Alachua
Latitude/Longitude:	29°42'05"N; 82°20'53"W
Project:	No.1,2,3,4 & 5 Lid Modules
UTM:	E-(17)369.4; N-3287.2

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 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 the operation of No. 1, 2, 3, 4 and 5 Lid Modules at  
an aluminum lid manufacturing facility.

Located at 5909 18th Drive, near the intersection of U.S. 441 and S.R. 121,  
north of Gainesville, Alachua County, FL.

In accordance with:

construction permit application dated September 18, 1981  
additional information received January 1, 1982  
operation permit application dated April 12, 1982  
construction permit application dated March 1, 1985  
additional information received April 18 and June 21, 1985  
operation permit application dated February 26, 1986  
additional information received April 7 and 15, 1986  
modification request received October 21, 1986  
renewal permit application dated January 29, 1988  
construction permit application dated March 8, 1988  
additional information received April 7, 1988  
Certificate of Completion of Construction form dated July 22, 1988  
additional information received August 29, 1988  
letter dated September 1, 1988 received September 6, 1988

PERMITTEE:  
Metal Container Corporation  
No. 1,2,3,4 and 5 Lid Modules

Permit No.: A001-144728  
Date of Issue: 4/20/88; Rev. 9/23/88  
Expiration Date: May 1, 1993

**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.
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. Nor 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 does not constitute 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, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, 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.
6. The permittee shall at all times 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, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring 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 notify and provide the Department with the following information:
  - a. a description of and cause of noncompliance; and
  - b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.
  - c. 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 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 arising under the Florida Statutes or Department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.
- 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 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department.
- 12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.
- 13. This permit also constitutes:
  - ( ) Determination of Best Available Control Technology (BACT)
  - ( ) Determination of Prevention of Significant Deterioration (PSD)
  - ( ) Certification of Compliance with State Water Quality Standards  
(Section 401, FL 92-500)
  - ( ) Compliance with New Source Performance Standards

14. The permittee shall comply with the following monitoring and record keeping requirements:

- a. Upon request, the permittee shall furnish all records and plans required under Department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the Department, during the course of any unresolved enforcement action.
- b. The permittee shall retain 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), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be 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 date(s) analyses were performed;
  - the person responsible for performing the analyses;
  - the analytical techniques or methods used; and
  - the results of such analyses.

15. When requested by the Department, the permittee shall, within a reasonable period of 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 submitted or corrected promptly.

PERMITTEE:  
Metal Container Corporation  
No. 1,2,3,4 and 5 Lid Modules

Permit No.: AO01-144728  
Date of Issue: 4/20/88; Rev. 9/23/88  
Expiration Date: May 1, 1993

SPECIFIC CONDITIONS:

1. The permitted maximum allowable emission rate for each pollutant is as follows:

<u>Pollutant</u>	<u>Rule</u>	<u>Emission Rate</u>	
		<u>lbs/hr</u>	<u>TPY</u>
VOC <sup>1</sup>	17-2.620(1)	53.79 <sup>2</sup>	235.59 <sup>3,4</sup>

<sup>1</sup>VOC - volatile organic compounds (from production processes and cleanup)

<sup>2</sup>Basis: 235.59 TPY; 8760 hrs/yr.

<sup>3</sup>Note: 17-2.500(2)(d)2.a. states less than 250 TPY does not require NSR.

<sup>4</sup>Basis: No. 5 module ACP dated 3/8/88.

2. The End Sealant Compound volatile portion shall not exceed 3.06 lbs/gal excluding water) based on #5 module ACP will emit less than RACT standard, Rule 17-2.650(1)(f)1.b.(iv), FAC

3. Compliance shall be determined by recording the following data for each compound used that contains VOC and reported as required in Specific Condition No. 4:

- <sup>1</sup>1. amount (gals)
- <sup>2</sup>2. density (lbs/gal)
3. VOC FACTOR (% by wt)
4. time factor (hrs)
5. total accumulative VOC emissions (tons)
- <sup>3</sup>6. hourly VOC emissions (lbs/hr)

<sup>1</sup>Note: Maintain a file of plant usage logs

<sup>2</sup>Note: Retain a file of manufacturer specifications data

<sup>3</sup>Note: Determine by (daily VOC emissions) ÷ (time factor)

4. Submit an annual operation report for this source on the form supplied by the Department for each calendar year on or before March 1 which shall include a copy of:

- a. Manufacturer's specifications dat sheet(s) for each material used.
- b. First and last plant usage logs (emissions record) showing the data required in Specific Condition No. 3.

PERMITTEE:  
Metal Container Corporation  
No. 1,2,3,4 and 5 Lid Modules

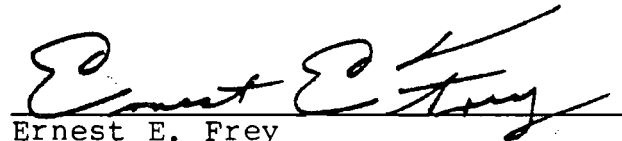
Permit No.: AO01-144728  
Date of Issue: 4/20/88; Rev. 9/23/88  
Expiration Date: May 1, 1993

SPECIFIC CONDITIONS:

5. Any revision(s) to a permit (and application) must be submitted and approved prior to implementing.
6. Forms for renewal will be sent 5 months prior to May 1, 1993 and the completed forms with test results are due 90 days prior to May 1, 1993.

REVISED: September 23, 1988  
Issued this 20 day of April, 1988

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION



Ernest E. Frey  
Deputy Assistant Secretary

Alachua Co. - AD  
 Metal Container  
 = 5 modules  
 ACP add'l info reviewed

08-31-88 ~~Check~~ Check calc's for wk ending 6/12

$$\text{cpd: } \frac{9562 \text{ lbs}}{7.85 \text{ lbs/gal}} \times \frac{1218.04}{7653.45} \times \frac{\text{prod } .1002}{76346 \text{ Tot}} = 122.10 \text{ gals/wk}$$

rptd 122.10 ✓

$$\text{tab: } 440 \text{ gal} \times .1002 = 44.09$$

rptd 44.11 ✓

$$\text{hex: } 220 \text{ gal} \times .1002 = 22.04$$

$$\text{VOC(cpd): } \frac{9562 \text{ lbs}}{1.8646 \text{ Tot}} \times \frac{.1002}{.39} \times \frac{\text{rpt } 22.05}{.1002} = 373.66 \text{ lbs/wk}$$

rptd 1.8646 Tot = 372.92 X .1002 = 373.67 ✓

$$\text{VOC(tab): } 440 \times .1002 \times .93 = 264.05$$

$$\text{rptd } 7.3778 \times .1002 \times 2000 = 264.09$$

$$\text{VOC(hex): } 220 \times .1002 \times .777 = 95.92$$

$$\text{rptd } 0.4787 \times .1002 \times 2000 = 95.93$$

$$\text{VOC lbs/hr: cpd } 373.66 / 168 = 2.22$$

$$\text{tab } 264.05 / 168 = 1.57$$

$$\text{hex } 95.92 / 168 = 0.57$$

Winchman Co. - AP  
Metal Container  
module # 5  
AOP review

08-11-88

1. end sealant  $\text{lbs/gal} = 7.80$   
 $\text{solids lbs/gal} = \frac{4.79}{3.01} \text{ OK}$

max allowed 3.06

% volatile =  $\frac{3.01}{7.80} \times 100 = 38.59 \text{ OK}$


ACP basis 39%

2. tab lube % volatile 93% ✓

3. kerosene 77.7 % volatile (remainder recovered)

4. mineral spirits 100% volatile

5. need

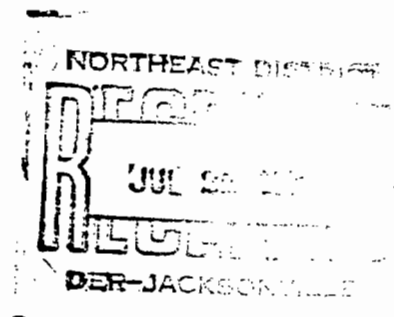
1. copy of log that shows <sup>daily</sup> material used, lbs VOC, hrs used, lbs VOC/hr (see SC #3).
2. data that shows 22.3% of kerosene is recovered. 





ANHEUSER-BUSCH COMPANIES

July 25, 1988



Mr. W. P. Stewart, P.E.  
State of Florida  
Department of Environmental Regulation  
Northeast District  
3426 Bills Road  
Jacksonville, FL 32207

RE: Alachua County - AP  
Metal Container Corporation  
Module No. 5 (AC01-146396)

Dear Mr. Stewart:

As requested in your June 10, 1988 letter to Mr. Gary L. Reynolds, I have enclosed the completed DER Form 17-1.202(3), (one original and three copies), and all other information required by Specific Condition #4 of the permit.

Please contact me at (314) 577-4168 if you have any questions or need additional information.

Sincerely,

Robert M. Lanham  
Environmental Engineer

RML/tms  
Enclosure

Best Available Copy

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

NORTHEAST DISTRICT  
3425 BILLS ROAD  
JACKSONVILLE, FLORIDA 32207  
904/786-4200



BOB MARTINEZ  
GOVERNOR  
DALE TWACHTMANN  
SECRETARY  
ERNEST E. FREY  
DISTRICT MANAGER  
GARY L. SHAFFER  
ASSISTANT DISTRICT MANAGER

NOTICE OF PERMIT

Mr. Gary L. Reynolds, Plant Manager  
Metal Container Corporation  
5909 N.W. 18th Drive  
Gainesville, Florida 32606

Dear Mr. Reynolds:

Alachua County - AP  
Metal Container Corporation  
No. 5 Lid Module

Enclosed is Permit Number AC01-146396, dated Mayu 17, 1988, to construct the subject air pollution source, issued pursuant to Section 403.087, Florida Statutes (P.S.).

Any party to this Order (permit) has the right to seek judicial review of the permit pursuant to Section 120.68, F.S., by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the 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 Notice is filed with the Clerk of the Department.

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

  
Ernest E. Frey  
District Manager

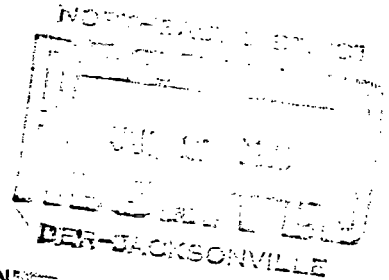
 JEF:jck

Copies furnished to:  
John H. Schamburg, P.E.  
Gainesville Branch Office

CERTIFICATE OF SERVICE

This is to certify that the ~~NOTICE~~ PERMIT and all copies were mailed before the ~~10:00 a.m.~~ 5/18/88 to the listed persons.

Statutes, with the designated Department Clerk receipt of which is hereby acknowledged.



STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

AIR POLLUTION SOURCES  
CERTIFICATE OF COMPLETION OF CONSTRUCTION\*

PERMIT NO. AC01-146396 DATE: \_\_\_\_\_  
 Company Name: Metal Container Corporation County: Alachua  
 Source Identification(s): Module No. 5  
 Actual costs of serving pollution control purpose: \$ -0-  
 Operating Rates: See Attachment Design Capacity: 1800 lids/minute  
1620 lids/minute Expected Normal During Compliance Test See Attachment  
 Date of Compliance Test: May 23 - June 19, 1988 (Attach detailed test report)  
 Test Results:

Pollutant	Actual Discharge	Allowed Discharge
_____	_____	_____
_____	_____	_____
_____	_____	_____

Date plant placed in operation: \_\_\_\_\_

This is to certify that, with the exception of deviations noted\*\*, the construction of the project has been completed in accordance with the application to construct and Construction Permit No. AC01-146396 dated May 17, 1988.

A. Applicant:

Gary L. Reynolds

Name of Person Signing (Type)

Signature of Owner or Authorized Representative and Title

Date: 7/21/88 Telephone: (904) 378-8800

B. Professional Engineer:

John H. Schamburg

Name of Person Signing (Type)

Signature of Professional Engineer

Metal Container Corporation

Company Name

Florida Registration No. 29984

Date: January 31, 1989

Date: 07-22-88 (over)  
(Seal)

10733 Sunset Office Drive, Sunset Hills, MO 63127

Mailing Address

(314) 957-9556

Telephone Number

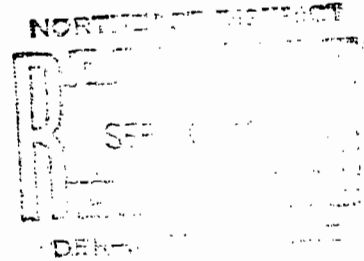
\*This form, satisfactorily completed, submitted in conjunction with an existing application to construct permit and payment of application processing fee will be accepted in lieu of an application to operate.

\*\*As built, if not built as indicated include process flow sketch, plot plan sketch, and updates of applicable pages of application form.



Metal Container  
Corporation

September 1, 1988



State of Florida  
Dept. of Environmental Regulation  
Northeast District  
3426 Bills Road  
Jacksonville, Florida 32207

Attention: Mr. Johnny Cole

**RE: GAINESVILLE MODULE NO. 5 OPERATING PERMIT**

Dear Mr. Cole

On the operating permit application I entered the expiration date of my Florida P.E. Seal which is January 31, 1989. I should have provided the date I signed the application.

I contacted Mr. Robert Lanham of our Corporate Environmental Affairs to confirm the paper trail. Mr. Lanham and I reviewed the application and I affixed my seal on July 22, 1988. The application was then mailed to the Florida Department of Environmental Regulation on July 25, 1988.

I apologize for the confusion. Please call if I can be of further assistance.

Sincerely yours,

John H. Schamburg, P.E.  
Senior Electrical Engineer

dh/1:SEP1jc

cc: Robert Lanham, A-B Environmental Engineering

Washua Co. - AP  
Metal Container

08-31-88 Noted PE dated cert of compl of constr  
form 01-31-89.

He called him; left msg; he is to call.  
Per phone msg, he called ~ 3:06; he  
was off. (RC).

09-01 He called; said he signed it 01-31-88.  
Then I noted that we rec'd ACP  
after that date.

Discussed it w/ Bill; we agreed we  
need an explanation.

Call John Schamburg; he & B. Lanham  
will ~~and~~ discuss & send a letter. *[Signature]*

METAL CONTAINER CORPORATION  
GAINESVILLE LID PLANT  
MODULE NO. 5 (10th conversion press)

Table 1 - Materials Used

<u>MATERIAL</u>	<u>DENSITY (lbs/gal)</u>	<u>VOC content (% by wgt)</u>
End Sealant Compound	7.85	39.0
Tab Lube	6.44	93.0
Hexane	5.60	77.7*
Mineral Spirits	6.32	100

\* remainder is recovered

Table 2 - Usage Rates (gallons/week)

<u>WEEK ENDING</u>	<u>END SEALANT</u>	<u>TAB LUBE</u>	<u>HEXANE</u>	<u>MINERAL SPIRITS</u>
5/29/88	72.84	20.03	14.31	-0-
6/05/88	75.57	27.14	13.57	-0-
6/12/88	122.10	44.11	22.05	-0-
6/19/88	<u>116.31</u>	<u>37.97</u>	<u>23.73</u>	<u>-0-</u>
TOTAL	386.82	129.25	73.66	-0-

Table 3 - VOC Emissions

<u>MATERIAL</u>	<u>USAGE (gallons)</u>	<u>EMISSION FACTOR (lbs/gal)</u>	<u>EMISSIONS (lbs)</u>
End Sealant	386.82	3.06	1184.25
Tab Lube	129.25	5.99	774.10
Hexane	73.66	4.35	<u>320.51</u>
			TOTAL 2278.86

Four week emission total - 1.14 tons  
Average hourly emissions - 3.39 lbs/hour

BEST AVAILABLE COPY

PRODUCT DATA SHEET

DM 2140

HIGH SOLIDS BEER AND BEVERAGE END SEALANT

PHYSICAL DATA

Viscosity	1500 $\pm$ 200 cps, 6/100/80° RVT
% Total Solids	61.0 $\pm$ 1.5%
Specific Gravity (Dry Film)	1.24
Sealing Units/Lb.	0.492
Lbs./U.S. Gallon	7.8
Lbs./U.S. Gallon Total Solids (61.0%)	4.79
Diluent	Hexane
Color (Wet/Dry)	Gray
Lbs. Organic Solvent Gal.	3.06
Flash Point	-12°F
F.D.A. Letter	Compliance letter submitted upon request

Midland Code: 0612-A110

Date: 5/7/87

The Midland Division of the Dexter Corporation warrants that its goods are free from defect in material and workmanship. Liability of the Midland Division of The Dexter Corporation under all warranties, expressed and implied, shall be limited to replacement of defective goods supplied. This transaction is subject to the following terms and conditions and those printed on the reverse side hereof.

Date Prepared : 01/14/88

Prepared By : K.BUNTON

## =====

## SECTION I

-----

MANUFACTURER'S NAME: Midland Division, The Dexter Corporation.  
STREET ADDRESS : 1 East Water Street Waukegan, Illinois 60085  
TELEPHONE : (312) 623-4200 Night: (312) 679-6967  
MANUFACTURER'S CODE: 0612A110  
TRADE NAME : DM 2140M

=====

## SECTION II - HAZARDOUS INGREDIENTS

-----

Ingredient(s)	CAS Number	Weight Percent	Vapor Press. mm Hg @ 20C
HEPTANE	142-82-5	10 - 20	100.0
TWA : 400 (ppm)	STEL : 500 (ppm)	TLV-C:	UK
PEL : 500 (ppm)	OTHER:	UK	
HEXANE	110-54-3	20 - 30	180.0
TWA : 50 (ppm)	STEL : UK	TLV-C:	UK
PEL : 500 (ppm)	OTHER:	UK	

=====

## SECTION III - PHYSICAL PROPERTIES &amp; FIRE AND EXPLOSION HAZARDS

-----

FLASHPOINT FOR 0612A110 = 15 Deg. F Setflash CC LEL: 1.20  
BOILING RANGE = 149 to 210 Deg. F.  
DOT CATEGORY = Flammable Liquid  
OSHA Classification = Flammable Liquid - Class IB  
VAPOR DENSITY: Heavier than air.  
EXTINGUISHING MEDIA: Use water fog, foam, dry chemical, or carbon dioxide.  
VOLATILE ORGANIC CONTENT: 3.111 pounds per gallon less water.



## SECTION IV - HEALTH INFORMATION

ACUTE: Over exposure by inhalation may cause irritation of the respiratory tract, headache, dizziness, or drowsiness.

SKIN OR EYE CONTACT: Irritant to the eyes and skin.

EMERGENCY AND FIRST AID PROCEDURES: INHALATION: Remove from exposure.

EYE CONTACT: Flush immediately with large amounts of running water for at least 15 minutes. SKIN CONTACT: Remove contaminated clothing and wash skin with soap and water. INGESTION: Drink water.

If necessary, consult a physician for any of these conditions.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Unknown at this time.

CHRONIC HEALTH EFFECTS: Those hazardous materials listed in Section II may affect the following organs: -Central nervous system-

## SECTION V - REACTIVITY DATA

STABILITY: Stable. HAZARDOUS DECOMPOSITION BY-PRODUCTS: Fumes may contain carbon monoxide and oxides of nitrogen. May produce hazardous fumes when heated to decomposition as in welding.

## SECTION VI - SPILL OR LEAK PROCEDURES

Remove all sources of ignition, avoid breathing vapors, ventilate area, and remove with inert absorbant and non-sparking tools. Dispose of in accordance with local, state, and federal regulations. Before attempting to clean up, see Section II.

## SECTION VII - PRECAUTIONS IN HANDLING

VENTILATION: Provide general dilution or local exhaust ventilation to keep TWA and LEL below acceptable limits and to remove decomposition products.

RESPIRATORY PROTECTION: Where general dilution or local exhaust fails to adequately dilute the TWA/PEL of the material, then respiratory protection should be used as follows: In accord with 29CFR 1910.134, use NIOSH/MSHA approved air line type respirators or hoods for enclosed and confined areas. Air purifying respirators may be used for other areas.

PROTECTIVE EQUIPMENT: Chemical resistant gloves are required for prolonged or repeated contact. Use safety eyeware designed to protect against splash of liquids.

Do not take internally. Containers should be grounded when pouring. Avoid free fall of liquid in excess of a few inches. Make sure the drum is completely empty before attempting to weld or braze. The drum should be industrially cleaned prior to reuse. Do not flame cut, braze, or weld without a NIOSH approved respirator or appropriate ventilation.

## SECTION VIII - ADDITIONAL INFORMATION

Those materials listed in Section II with an asterisk have been listed by one of the following testing agencies: National Toxicology program, International Agency for Research and Cancer, or OSHA.

KEEP CONTAINER CLOSED WHEN NOT IN USE!

NPCA HMIS CLASSIFICATION: Health- 1 Flammability- 3 Reactivity- 0  
See Section VII for personal protection equipment.

## U.S. DEPARTMENT OF LABOR

WAGE AND LABOR STANDARDS ADMINISTRATION  
Bureau of Labor Standards

## MATERIAL SAFETY DATA SHEET

## SECTION I

MANUFACTURER'S NAME	JENKIN-GUERIN, INC.	EMERGENCY TELEPHONE NO.	(314) 652-2905
ADDRESS (Number, Street, City, State, and ZIP Code)			
4480 HUNT AVENUE ST. LOUIS, MISSOURI 63110			
CHEMICAL NAME AND SYNONYMS		TRADE NAME AND SYNONYMS	
		ANCHOR #3810 TAB LUBE	
CHEMICAL FAMILY	PETROLEUM HYDROCARBON	FORMULA	

## SECTION II HAZARDOUS INGREDIENTS

PAINTS, PRESERVATIVES, & SOLVENTS	%	TLV (Units)	ALLOYS AND METALLIC COATINGS	%	TLV (Units)
PIGMENTS			BASE METAL		
CATALYST			ALLOYS		
VEHICLE			METALLIC COATINGS		
SOLVENTS			FILLER METAL PLUS COATING OR CORE FLUX		
ADDITIVES			OTHERS		
OTHERS					
HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES				%	TLV (Units)

## SECTION III PHYSICAL DATA

BOILING POINT (°F.)	Initial	350	SPECIFIC GRAVITY (H <sub>2</sub> O=1) @ 60/60°F.	0.772
VAPOR PRESSURE (mm Hg.)		0.27mm	PERCENT VOLATILE BY VOLUME (%)	93
VAPOR DENSITY (AIR=1)	@ 230°F.	0.348#/FT <sup>3</sup>	EVAPORATION RATE (Ethyl Ether) =1	Less than 0.1
SOLUBILITY IN WATER		NIL		
APPEARANCE AND ODOR	COLOR +18 SAYBOLT WITH MILD MINERAL OIL ODOR			

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

FLASH POINT (Method used)	144°F. C.C.C.	FLAMMABLE LIMITS	Lel	Uel
EXTINGUISHING MEDIA	FOAM, DRY CHEMICAL, CO <sub>2</sub>			
SPECIAL FIRE FIGHTING PRECAUTIONS	NONE			
UNUSUAL FIRE AND EXPLOSION HAZARDS . PRODUCT IS COMBUSTIBLE.				

NOTE: ALL INGREDIENTS COMPLY WITH THE FEDERAL FOOD &amp; DRUG ADMIN. REQUIREMENTS.

(1) Regulation 178.3910, surface lubricants used in the manufacture of metallic articles. These regulations appeared in the Federal Register of 1967.

- (2) The solvent used as a diluent for the above mentioned product is regulated under regulation 178.3570. The solvent is used merely as a diluent and should be allowed to evaporate so that the residue coating left on the can parts consists only of Item I, thus the solvent residue is well below the .015 milligram per square inch allowed.

## SECTION V HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE

TWA 200 PPM STEL 500 PPM

EFFECTS OF OVEREXPOSURE

DIZZINESS, DROWSY

EMERGENCY AND FIRST AID MEASURES

INHALATION: REMOVE TO FRESH AIR. INGESTION: DO NOT INDUCE VOMITING. CALL PHYSICIAN IMMEDIATELY. SKIN: WASH WITH SOAP AND WATER. EYES: FLUSH WITH PLENTY OF WATER.

## SECTION VI REACTIVITY DATA

STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	NONE KNOWN
INCOMPATIBILITY (Materials to avoid) STRONG OXIDIZERS			
HAZARDOUS DECOMPOSITION PRODUCTS CO, CO <sub>2</sub>			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	NONE KNOWN

## SECTION VII SPILL OR LEAK PROCEDURES

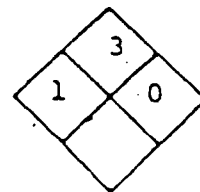
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED	
ABSORB WITH SUITABLE OIL ABSORBENT OR SAND.	
WASTE DISPOSAL METHOD MIX WITH FUEL OIL AND BURN IN AN INCINERATOR OR FURNACE, OR USE USUALLY ACCEPTED PETROLEUM DISPOSAL METHODS.	

## SECTION VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION (Specify type) ONLY IF VAPORS OR MIST EXCEED TLV			
VENTILATION	LOCAL EXHAUST	NO	SPECIAL NONE
	MECHANICAL (General)	NO	OTHER NONE
PROTECTIVE GLOVES		NO	EYE PROTECTION NO
OTHER PROTECTIVE EQUIPMENT			

## SECTION IX SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING	
USE AND STORE IN A WELL VENTILATED AREA.	
KEEP AWAY FROM HEAT, SPARKS, AND OPEN FLAME.	
OTHER PRECAUTIONS	

MATERIAL HEALTH AND  
SAFETY BULLETINUnion Chemicals Division  
Petrochemical Group

UCD No.: 871

Product Code No.: 1487

UN No. 1208

## MANUFACTURER'S NAME

Union Chemicals Division, Union Oil Company of California

## STREET ADDRESS

1345 North Meacham Road

## CITY, STATE, AND ZIP CODE

Schaumburg, Illinois 60196

Business Phone: (312) 885-5450

## EMERGENCY TELEPHONE NO.

Transportation Emergencies call CHEMTREC (800) 424-9300  
Health Emergencies Call Los Angeles Poison Control Center (24 hours) (213) 664-2121

PRODUCT: Hexane  
COMMON NAME: AMSCO Solv 1487  
GENERIC NAME: Volatile Solvent  
CHEMICAL NAME: Hexane  
CHEMICAL FAMILY: Hydrocarbon Mixture  
DOT PROPER SHIPPING NAME:  
  
Hexane

## WARNING STATEMENT:

Danger Extremely Flammable.  
DO NOT induce vomiting if swallowed.  
For industrial use only.

## Section I - INGREDIENTS

n-Hexane  
Cyclohexane  
C<sub>6</sub> Isomers

TLV\*

500A  
300A  
500B

TLV\*

Threshold Limit Value

A, OSHA ☒B, ACGIH ☒C, See Section III ☐D, Other ☐

NOV 30 1987

**Section II -- EMERGENCY AND FIRST AID PROCEDURES****EMERGENCY:** Have a physician call LOS ANGELES POISON CONTROL CENTER (24 hrs.) 213/664-2121

Eye Contact	If this product comes in contact with the eyes, flush with large quantities of water for at least 15 minutes and seek immediate medical attention.
Skin Contact	If this product comes in contact with the skin, wash with soap and large quantities of water and seek medical attention if irritation from contact persists.
Inhalation	If breathing difficulties, dizziness, or lightheadedness occur when working in areas with high vapor concentrations, victim should seek air free of vapors. If victim experiences continued breathing difficulties, administer oxygen until medical assistance can be rendered. If breathing stops, begin artificial respiration and seek immediate medical attention.
Ingestion	If this product is swallowed, DO NOT induce vomiting. Seek immediate medical advice and/or attention.

**Section III -- PHYSIOLOGICAL EFFECTS AND HEALTH INFORMATION**

Eye Effects	This product may be an eye irritant.
Skin Effects	This product may cause skin irritation upon prolonged or repeated contact.
Systemic Effects	<p>Various studies have shown a possible association with exposure to this product and the following:</p> <p>Respiratory tract irritation</p> <p>Central nervous system depression in high concentrations</p> <p>Weakening and numbness in extremities</p>

NOV 30 1967

## Section IV -- SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type)	The use of respiratory protection depends on vapor concentration above the time-weighted TLV: use a NIOSH approved cartridge respirator or gas mask.		
Ventilation	General mechanical ventilation may be sufficient to keep product vapor concentrations within specified time-weighted TLV ranges. If general ventilation proves inadequate to maintain safe vapor concentrations, supplemental local exhaust may be required. Other special precautions such as respiratory masks or environmental containment devices may be required in extreme cases.		
Protective Gloves	The use of impermeable gloves is advised to prevent skin irritation in sensitive individuals.	Eye Protection	Safety glasses, chemical goggles and/or face shields are recommended to safeguard against potential eye contact, irritation, or injury.
Other Protective Equipment	Impermeable aprons are advised when working with this product. The availability of eye washes and safety showers in work areas is recommended.		

## Section V -- REACTIVITY DATA

Stability	Unstable		Conditions to Avoid:
	Stable	X	
Incompatibility (Materials to Avoid)	This product is incompatible with strong oxidizing agents strong acids or bases selected amines		
Hazardous Decomposition Products	Thermal decomposition in the presence of air may yield carbon monoxide and/or carbon dioxide.		
Hazardous Polymerization	May Occur		Conditions to Avoid:
	Will Not Occur	X	

## Section VI -- SPILL OR LEAK PROCEDURES

HIGHWAY OR RAILWAY SPILLS - CALL CHEMTREC 800/424-8300

Precautions in Case of Release or Spill	Keep sources of ignition and hot metal surfaces isolated from the spill. Flush spilled material into suitable retaining areas or containers with large quantities of water. Small amounts of spilled material may be absorbed into an appropriate absorbant.
Reportable Quantity	Notify Coast Guard National Response Center; Phone No. 800-424-8802, if Spill is Greater Than <u>    </u> lbs. (Kilograms)
Disposal Method	Dispose of <u>          </u> product in accordance with applicable local, county, state and federal regulations.

## Section VII -- STORAGE AND SPECIAL PRECAUTIONS

Handling and Storing Precautions	Keep product containers cool, dry, and away from sources of ignition. Use and store this product with adequate ventilation. (See Section IV.)
Other Precautions	Personnel should avoid inhalation of vapors. (See sections I, II, III, V, VI) Personal contact with the product should be avoided. Should contact be made, remove saturated clothing and flush affected areas with water. (See sections II, IV, VI)

## Section VIII -- FIRE AND EXPLOSION HAZARD DATA

DOT Flammability Classification	Flammable Liquid	Flash Point Range: <input checked="" type="checkbox"/> Below 20° F, <input type="checkbox"/> 20° F - 100° F <input type="checkbox"/> 100° F - 200° F <input type="checkbox"/> Over 200° F <input type="checkbox"/> None to boiling
Extinguishing Media	Use foam, CO <sub>2</sub> or dry chemical fire fighting apparatus.	
Unusual Fire and Explosion Hazards	Keep work areas free of hot metal surfaces and other sources of ignition.	
Fire Fighting Procedures	The use of self-contained breathing apparatus is recommended for fire fighters. Water may be unsuitable as an extinguishing media, but helpful in keeping adjacent containers cool. Avoid spreading burning liquid with water used for cooling purposes.	

## Section IX -- PHYSICAL DATA

Approximate Boiling Range, ° F	150° - 158° F	Vapor Density: <input checked="" type="checkbox"/> Heavier Than Air <input type="checkbox"/> Lighter
Evaporation Rate: <input type="checkbox"/> Faster Than Ether <input checked="" type="checkbox"/> Slower	Percent Volatile: 100%	Solubility in Water: Negligible
Specific Gravity: <input checked="" type="checkbox"/> Lighter Than Water <input type="checkbox"/> Heavier	Weight per Gallon: 5.61	
Appearance and Odor:	This product is clear, has little if any color and has a characteristic odor.	

## Section X -- DOCUMENTARY INFORMATION

Product Code No. 1487	Issue Date 10/20/80	Prepared By Paul Pfeifer
Replaces: UCD No. 249	Product Code No. 1487	Issued 12/79
Reviewed By: <i>J. Litter</i>	Manager, Loss Prevention	
Reviewed By: <i>Rainer Beck</i>	Director of Occupational Health & Toxicology	
Reviewed By: <i>William H. May</i>	Science and Technology Division	

The above information is believed to be correct as of the date hereof. However, no warranty of merchantability, fitness for any use, or any other warranty is expressed or is to be implied regarding the accuracy of these data, the results to be obtained from the use of the material, or the hazards connected with such use. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar, and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume responsibility for the results of its use. This information is furnished on the condition that the person receiving it shall make his own determination as to the suitability of the material for his particular purpose and on the condition that he assume the risk of his use thereof.

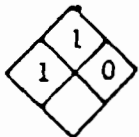
Best Available Copy  
**MATERIAL SAFETY DATA SHEET**

**Section I**

MANUFACTURER'S NAME		AMSCO Division Union Oil Company of California	
ADDRESS		3100 South Meacham Road	
CITY, STATE, AND ZIP CODE		Palatine, Illinois 60067	
TELEPHONE NO.		(312) 885-5467	
COMMON NAME AND SYNONYMS		TRADE NAME	
not applicable		AMSCO Solv 1241, Odorless Mineral Spirits	
FAMILY		FORMULA	
Petroleum Hydrocarbon Fraction		not applicable	

**Section II -- HAZARDOUS INGREDIENTS**

PAINTS, PRESERVATIVES, & SOLVENTS

	%	TLV (Units)	SOLVENTS	%	TLV (Units)
 NFPA 704M			Solvent	100	85 ppm
			ADDITIVES		
			OTHERS		

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES

**Section III -- PHYSICAL DATA**

TEMPERATURE (°F.)	350-400	SPECIFIC GRAVITY (H <sub>2</sub> O=1)	0.76
VAPOR PRESSURE (mm Hg.)	0.5 @ 68°F.	PERCENT VOLATILE BY VOLUME (%)	100
BOILING POINT (°F.) (AIR=1)	5.9	EVAPORATION RATE (n-BuAc=1)	0.2
SOLUBILITY IN WATER	negligible		
APPEARANCE AND ODOR	clear, colorless, characteristic		

**Section IV -- FIRE AND EXPLOSION HAZARD DATA**

METHOD USED	125 F., TCC	FLAMMABLE LIMITS	LFL	UFL
MEDIUM				
form, CO <sub>2</sub> , dry chemical, water spray				
FIGHTING PROCEDURES				
wear self-contained breathing apparatus				
water may be unsuitable except as a cooling medium				
FIRE AND EXPLOSION HAZARDS				



State of Florida  
Department of Environmental  
Regulation Notice of Proposed  
Agency Action on  
Permit Application  
The Department gives notice  
of its intent to issue a permit to  
Metal Container Corporation to  
construct an additional alumi-  
num lid module, an air emis-  
sions source, to be located on  
U.S. 441 and S.R. 121, north of  
Gainesville, Alachua County,  
FL.

A person whose substantial in-  
terests are affected by the De-  
partment's proposed permit-  
ting decision may petition for  
an administrative determina-  
tion (hearing) in accordance  
with Section 120.57, Florida Sta-  
tutes (F.S.). The petition must  
conform to the requirements of  
Chapters 17-103 and 28-5, Florida  
Administrative Code (FAC),  
and must be filed (received) in  
the Department's Office of Gen-  
eral Counsel, 2600 Blair Stone  
Road, Tallahassee, Florida  
32399-2400 within fourteen (14)  
days of publication of this no-  
tice. Failure to file a petition  
within the fourteen (14) days  
constitutes a waiver of any right  
such person has to an adminis-  
trative determination (hear-  
ing) pursuant to Section 120.57,  
Florida Statutes.

If a petition is filed, the ad-  
ministrative hearing process is  
designed to formulate agency  
action. Accordingly, the De-  
partment's final action may be  
different from the position tak-  
en by it in this preliminary  
statement. Persons whose sub-  
stantial interests will be affect-  
ed by any decision of the De-  
partment have the right to  
intervene in the proceeding. A  
petition for intervention must  
be filed pursuant to Model Rule  
28-5.207, FAC, at least five (5)  
days before the final hearing  
and be filed with the Hearing  
Officer if one has been assigned  
at the Division of Administra-  
tive Hearings, Department of  
Administration, 2009 Apalachee  
Parkway, Tallahassee, Florida  
32301. If no Hearing Officer has

NORTHEAST DISTRICT

RECEIVED  
MAY 16 1988  
REGULATED  
DER-JACKSONVILLE

Nº 3356

GAINESVILLE SUN  
Published Daily and Sunday  
GAINESVILLE, FLORIDA

(over)

IDA }  
ALACHUA }

dersigned authority personally appeared.....Dorothea Clark.....

that he is.....Nat'l Advertising Manager....., of the GAINESVILLE SUN, a daily

ed at Gainesville in Alachua County, Florida; that the attached copy of advertisement, being a

e of Proposed Agency Action on Permit Application

Metal Container Corporation

..... Court, was published in said newspaper in the issue of

April 23, 1988

er says that the said GAINESVILLE SUN is a newspaper published at Gainesville, in said Alachua  
and that the said newspaper has heretofore been continuously published in said Alachua County,  
s been entered as second class mail matter at the postoffice in Gainesville, in said Alachua County,  
iod of one year next preceding the first publication of the attached copy of advertisement; and  
ys that he has neither paid nor promised any person, firm or corporation any discount for pub-  
newspaper.

Johnny Cole,  
Here is the public notice from the Gainesville Sun. A copy of this was supposed to be sent to you but I guess it didn't make it. Please call me at (314) 577 4168 if you need any further info.

Thanks,

Bar Graham

NORTHEAST DISTRICT  
RECEIVED  
MAY 16 1988  
REGULATED  
DER-JACKSONVILLE

05/16 14 days ended 5/4.

5/13 Bob L. called; I returned;  
left msg that have not rec'd proof  
of pub of P/N.  
He called; he will send proof.

Rec'd proof this AM.  
Since 14 day end 5/4 I have  
not rec'd memo of response by  
Wang, I will prepare CP for  
issue. *[Signature]*



ANHEUSER-BUSCH COMPANIES

March 4, 1983

*Handwritten: JVS return to Clair*

Mr. Clair Fancy  
Department of Environmental Regulation  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32301

DER

MAR 08 1983

BAQM

Dear Clair:

I have been advised by Mr. Gary Reynolds, Plant Manager of Metal Container Corporations' Lid Manufacturing Facility that the production problems at Gainesville have been resolved. It was not necessary to run any material in excess of 3.7 lbs VOC per gallon of coating less water during this start-up period. The Whitaker 7201-C compound provided the performance that was needed. The plant is now considered commercially operational and operating permits will be submitted in the next few weeks.

I would like to again express our appreciation for the cooperation received during the initial start-up phase of the facility.

Sincerely,

*Handwritten signature of John V. Stier*  
John V. Stier  
Environmental Engineer

JVS/amr

cc: Mr. Doug Dutton  
Mr. Richard Lusk  
Mr. Jake Varn

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

NORTHEAST DISTRICT

3426 BILLS ROAD  
JACKSONVILLE, FLORIDA 32207  
(904) 396-6959



BOB GRAHAM  
GOVERNOR  
VICTORIA J. TSCHINKEL  
SECRETARY  
G. DOUG DUTTON  
DISTRICT MANAGER

*Jike*

March 1, 1983

Mr. John V. Stier  
Environmental Engineer  
Anheuser-Busch Companies, Inc.  
One Busch Place  
St. Louis, Missouri 63118

DER  
MAR 04 1983  
BA...

Dear Mr. Stier:

Alachua County - AP  
★ Metal Container Corporation  
Revision to Permit Conditions  
Permits AC01-48261; AC01-48262; AC01-48263

Due to an erroneous figure in the emission rate in Specific Condition No. 7, it is changed to read as follows for the subject permits:

7. The installation may use sealing compound containing 4.2 lbs. VOC per gallon (less water) until June 1, 1983. Average emission rate not to exceed 10.4 pounds per hour during the period between the date of issue of this amendment and June 1, 1983.

Sincerely,

G. Doug Dutton  
District Manager

GDD:vk

cc: Carlton, Fields, Ward, Emmanuel, Smith & Cutler  
Mr. Clair Fancy, Tallahassee  
Gainesville Branch Office

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

NORTHEAST DISTRICT

3426 BILLS ROAD  
JACKSONVILLE, FLORIDA 32207  
(904) 396-6959



BOB GRAHAM  
GOVERNOR  
VICTORIA J. TSCHINKEL  
SECRETARY  
G. DOUG DUTTON  
DISTRICT MANAGER

February 22, 1983

DER

FEB 24 1983

BAQM

FILE

Mr. John V. Stier  
Environmental Engineer  
Anheuser-Busch Companies, Inc.  
One Busch Place  
St. Louis, Missouri 63118

Dear Mr. Stier:

Alachua County - AP  
Metal Container Corporation  
Revision to Permit Conditions  
Permits AC01-48261; AC01-48262; AC01-48263

In accordance with your request of January 31, 1983, Specific Conditions No. 2 and No. 4 for the referenced permit are revised.

Specific Condition No. 2 is revised as follows:

2. The construction of this installation shall be completed by March 1, 1983 and the operation permit application is to be submitted by June 1, 1983.

Specific Condition No. 4 is revised as follows:

4. The maximum allowable emission rate for each pollutant is as follows:

<u>Pollutant</u>	<u>Emission Rate (lbs/hr)</u>
VOC	10.4

The following Specific Condition No. 7 is added:

The installation may use sealing compound containing 4.2 lbs. VOC per gallon (less water) until June 1, 1983. Average emission rate not to exceed 9.8 pounds per hour during the period between the date of issue of this amendment and June 1, 1983.

Mr. John V. Stier  
February 22, 1983  
page two

Your cooperation is appreciated.

Sincerely,

A handwritten signature in cursive script, appearing to read "G. Doug Dutton", written over a horizontal line.

G. Doug Dutton  
District Manager

GDD:jkk

cc: Carlton, Fields, Ward, Emmanuel, Smith & Cutler  
Mr. Clair Fancy, Tallahassee ✓  
Gainesville Branch Office



ANHEUSER-BUSCH COMPANIES

April 11, 1983

*Bill*  
*Site*  
Mr. Doug Dutton  
District Manager  
Department of Environmental Regulation  
3426 Bills Road  
Jacksonville, Florida 32207

*Gainesville*  
DER  
APR 22 1983  
BAQM

Dear Doug:

Enclosed are three Certificates of Completion of Construction for the Metal Container Corporation lid facility in Gainesville, Florida. The change of specific condition number 4 to allow the use of an end sealing compound containing up to 3.7 lbs VOC/gal coating (emission rate of 10.4 lbs/hr) is as noted in your letter of February 22, 1983. It is assumed that the operating permits issued will reflect this change.

Also enclosed are two coating manufacturers data sheets to satisfy specific condition number 5. Your assistance in developing acceptable permit conditions is greatly appreciated. If you have any questions, please call me at 314-577-4170.

Sincerely,

*John V. Stier*  
John V. Stier  
Senior Environmental Engineer

JVS/bkb

Enc.

cc: Carlton, Fields, Ward, Emmanuel, Smith & Cutler  
Mr. Clair Fancy  
Mr. Florentino J. Mendez



STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION  
AIR POLLUTION SOURCES  
CERTIFICATE OF COMPLETION OF CONSTRUCTION\*

PERMIT NO. AC01-48261 DATE: March 4, 1983  
Company Name: Metal Container Corporation County: Alachua  
Source Identification(s): Lid Module Number 1  
Actual costs of serving pollution control purpose: \$ N/A  
Operating Rates: 86,400 Lids/Hour Design Capacity: 180,000 Lids/Hour  
Expected Normal 86,400 Lids/Hour During Compliance Test N/A  
Date of Compliance Test: N/A (Attach detailed test report)

Test Results:	Pollutant	Actual Discharge	Allowed Discharge

Date plant placed in operation: February 23, 1983

This is to certify that, with the exception of deviations noted\*\*, the construction of the project has been completed in accordance with the application to construct and Construction Permit No. AC01-48261 dated January 20, 1982.

A. Applicant:  
Gary Reynolds, Plant Manager  
Name of Person Signing (Type) Gary Reynolds Plant Manager 7/12/83  
Signature of Owner or Authorized Representative and Title

Date: \_\_\_\_\_ Telephone: (904) 378-8800

B. Professional Engineer:  
Florentino J. Mendez, P.E.  
Name of Person Signing (Type) [Signature]  
Signature of Professional Engineer  
The Benham Group  
Company Name

Florida Registration No. 20926

Date: MARCH 24, 1983

(Seal)

1200 NW 63 St. P.O. Box 20400  
Oklahoma City, OK 73156

(405) 848-6631  
Mailing Address

Telephone Number

\*This form, satisfactorily completed, submitted in conjunction with an existing application to construct permit and payment of application processing fee will be accepted in lieu of an application to operate.

\*\*As built, if not built as indicated include process flow sketch, plot plan sketch, and updates of applicable pages of application form.





STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION  
AIR POLLUTION SOURCES  
CERTIFICATE OF COMPLETION OF CONSTRUCTION\*

PERMIT NO. AC01-48262 DATE: March 4, 1983  
Company Name: Metal Container Corporation County: Alachua  
Source Identification(s): Lid Module Number 2

Actual costs of serving pollution control purpose: \$ N/A  
Operating Rates: 86,400 Lids/Hour Design Capacity: 180,000 Lids/Hour  
Expected Normal 86,400 Lids/Hour During Compliance Test N/A  
Date of Compliance Test: N/A (Attach detailed test report)

Test Results:	Pollutant	Actual Discharge	Allowed Discharge

Date plant placed in operation: February 23, 1983

This is to certify that, with the exception of deviations noted\*\*, the construction of the project has been completed in accordance with the application to construct and Construction Permit No. AC01-48262 dated January 20, 1982.

A. Applicant:  
Gary Reynolds, Plant Manager  
Name of Person Signing (Type) Gary Reynolds Plant Manager 4/12/83  
Signature of Owner or Authorized Representative and Title

Date: \_\_\_\_\_ Telephone: (904) 378-8800

B. Professional Engineer:  
Florentino J. Mendez, P.E.  
Name of Person Signing (Type) [Signature]  
Signature of Professional Engineer

The Benham Group  
Company Name  
Florida Registration No. 20525

1200 NW 63 St. P.O. Box 20400  
Oklahoma City, OK 73156  
Date: MARCH 24, 1983  
(Seal)

(405) 848-6631  
Mailing Address  
Telephone Number

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STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION  
AIR POLLUTION SOURCES  
CERTIFICATE OF COMPLETION OF CONSTRUCTION\*

PERMIT NO. AC01-48263 DATE: March 4, 1983  
Company Name: Metal Container Corporation County: Alachua  
Source Identification(s): Lid Module Number 3

Actual costs of serving pollution control purpose: \$ N/A  
Operating Rates: 86,400 Lids/Hour Design Capacity: 180,000 Lids/Hour  
Expected Normal 86,400 Lids/Hour During Compliance Test N/A  
Date of Compliance Test: N/A (Attach detailed test report)

Test Results:	Pollutant	Actual Discharge	Allowed Discharge

Date plant placed in operation: February 23, 1983

This is to certify that, with the exception of deviations noted\*\*, the construction of the project has been completed in accordance with the application to construct and Construction Permit No. AC01-48263 dated January 20, 1982.

A. Applicant:  
Gary Reynolds, Plant Manager  
Name of Person Signing (Type) Gary Reynolds Plant Manager 4/12/83  
Signature of Owner or Authorized Representative and Title

Date: \_\_\_\_\_ Telephone: (904) 378-8800

B. Professional Engineer:  
Florentino J. Mendez, P.E.  
Name of Person Signing (Type) [Signature]  
Signature of Professional Engineer

The Benham Group  
Company Name 20926  
Florida Registration No.

Date: MARCH 24, 1983

1200 NW 63 St. P.O. Box 20400  
Oklahoma City, OK 73156

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## Compounds and Sealants

WHITTAKER CORPORATION HIGH SOLIDS BEER AND BEVERAGE COMPOUND 7201-C

8/79

Whittaker Corporation High Solids End Sealing Compound 7201-C has been specifically formulated to meet the U. S. Environmental Protection Agency's guidelines on volatile organic compound (VOC) for beer and beverage can end sealing compounds as published in their publication EPA-450/2-77-008, OAQPS # 1.2-073 dated May 1977. This publication recommends that the VOC limit for can end sealing compounds be 3.7 pounds per gallon (minus water) or 0.44 kilograms per liter (minus water). Whittaker Corporation High Solids End Sealing Compound 7201-C contains less than 3.7 pounds of organic solvent per gallon and therefore, meets these Federal EPA guidelines. In addition, can sealant solvent emissions can be reduced with Compound 7201-C by approximately 40% vs. conventional solvent base compounds. This product meets the exacting application and taste requirements of the beer and beverage industry. Excellent application results have been realized without nozzle buildup or changes to existing production liners. Sealability and taste properties are also excellent.

### Typical Physical Properties

Viscosity @ 80° F (26.7° C)	- 1900-2300 cps Brookfield RVT #6 Spindle @ 100 RPM
% Solids	- 51
Specific gravity (dry film)	- 1.27
Lbs./gallon	- 7.8
Lbs./gallon total solids	- 4.0
Units per pound	- 0.402
Diluent	- Hexane
Compound color	- Gray
Lbs. organic solvent/gal.	- 3.6
Flash point	- -12° F (-24° C)
FDA status	- Accepted for food contact surface when used and cured as directed.

### Mixing

Due to static storage, there is a tendency, as with all compounds, for some separation of heavy inert ingredients. Therefore, it is imperative that the compound is mixed both before viscosity reduction is measured and prior to delivery to the lining machine. The following is recommended. (1) End over end tumbler-minimum 20 minutes; or (2) Mule, 25-30 RPM-minimum 60 minutes.

### Weight Determination

Lined compound weight is determined by applying the compound to tared ends. The ends are placed on a hot plate or in a static air oven set at 250° F (121° C) for 1 minute - 15 seconds. Reweigh and subtract the difference.

(OVER)

DAREX S9372

COMPOUND SPECIFICATIONS

TOTAL SOLIDS:	49.5-50.5%
SPECIFIC GRAVITY FILM:	1.21
SEALING UNITS PER POUND:	.413
FACTOR:	7.3 Pounds per gallon @ 50.0% Total Solids
DILUENT:	Hexane
VISCOSITY BROOKFIELD:	<i>3000-3500 Polym. Res.</i> 2500-3500 cps (#3 spindle/60 rpm/70° ±2° F)
COLOR:	Gray
FDA STATUS:	FDA compliance letter supplied upon request
VOLATILE ORGANIC COMPONENT:	3.7 pounds per gallon
RECOMMENDED USE:	Sanitary end sealing compound