

Check Sheet

Company Name: *Ciba - Geigy*
Permit Number: *AC 13-104266*
PSD Number:
County: *Dade*
Permit Engineer:
Others involved:

Application:

- Initial Application
- Incompleteness Letters
- Responses
- Final Application (if applicable)
- Waiver of Department Action
- Department Response

Intent:

- Intent to Issue
- Notice to Public
- Technical Evaluation
- BACT Determination
- Unsigned Permit

Attachments:

-
-
-
- Correspondence with:
 - EPA
 - Park Services
 - County
 - Other
- Proof of Publication
- Petitions - (Related to extensions, hearings, etc.)

Final Determination:

- Final Determination
- Signed Permit
- BACT Determination

Post Permit Correspondence:

- Extensions
- Amendments/Modifications
- Response from EPA
- Response from County
- Response from Park Services

P 085 152 643

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

* U.S.G.P.O. 1984-446-014

Sent to Mr. Douglas B. Buchanan	
Street and No.	
P.O., State and ZIP Code	
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 8/27/85	

PS Form 3800, Feb. 1982

PS Form 3811, July 1983

SENDER: Complete items 1, 2, 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 service(s) requested.

1. Show to whom, date and address of delivery.
2. Restricted Delivery.

3. Article Addressed to:
**Mr. Douglas B. Buchanan
Ciba-Geigy Corporation
3550 N.W. 49th Street
Miami, Florida 33142**

4. Type of Service:	Article Number
<input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail	P 085 152 643

Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature - Addressee
X **CIBA GEIGY**

6. Signature - Agent
X **Alga Navanete**

7. Date of Delivery
8-29-85

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

DOMESTIC RETURN RECEIPT

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

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



BOB GRAHAM
GOVERNOR
VICTORIA J. TSCHINKEL
SECRETARY

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
NOTICE OF PERMIT


Mr. Douglas B. Buchanan
Site Manager
Ciba-Geigy Corporation
3550 N.W. 49th Street
Miami, Florida 33142

August 26, 1985

Enclosed is Permit Number AC 13-104266, to Ciba-Geigy Corporation which authorizes an increase in VOC usage at your facility in Miami, 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 32301; 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.

Sincerely,


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

Enclosure

cc: Antonio P. Mazpule, P.E.
Art Bolivar
Tom Tittle

Final Determination
Ciba-Geigy Corporation
Dade County

The construction/modification application has been reviewed by the department. Public notice of the department's intent to issue was published in The Miami Herald on July 17, 1985. The technical evaluation and preliminary determination were available for public inspection at the Dade County Environmental Resource Management office, the DER Southeast Florida District office, and the DER Bureau of Air Quality Management office.

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

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

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



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

PERMITTEE:
CIBA-GEIGY Corporation
3550 NW 49th Street
Miami, Florida 33142

Permit Number: AC 13-104266
Expiration Date: December 31, 1985
County: Dade
Latitude/Longitude: 25° 49' 25" N/
80° 15' 16" W
Project: Modification to increase
VOC usage by 39.9 TPY

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:

The proposed modification is to increase the usage of volatile organic compounds by 39.9 TPY. The UTM coordinates are Zone 17, 575.307 km East and 2856.387 km North.

The modification shall be in accordance with the attached permit application except as otherwise noted on pages 5-6 of the Specific Conditions.

Attachments are as follows:

1. Application to Construct/Modify an Air Pollution Source, DER Form 17-1.202(1), received May 17, 1985, from Mr. Douglas B. Buchanan.
2. Doug Buchanan's letter with attachment dated May 29, 1985.
3. Construction Permit No. AC 13-65839, issued January 6, 1984.

PERMITTEE:
CIBA-GEIGY Corporation

Permit Number: AC13-104266
Expiration Date: December 31, 1985

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:
CIBA-GEIGY Corporation

Permit Number: AC13-104266
Expiration Date: December 31, 1985

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 noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

PERMITTEE:
CIBA-GEIGY Corporation

Permit Number: AC13-104266
Expiration Date: December 31, 1985

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:
CIBA-GEIGY Corporation

Permit Number: AC13-104266
Expiration Date: December 31, 1985

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 permit does not replace any existing permits.
2. Maximum allowable increase of VOC (volatile organic compounds) usage shall not exceed 39.9 TPY above the existing permitted levels. The 39.9 TPY VOC increase is based on increases of 38.2 TPY of isopropyl alcohol and 1.7 TPY of phenol.
3. All VOC operating, maintenance, accounting, compliance and reporting procedures contained in construction permit No. AC 13-65839, issued January 6, 1984, shall apply to this modification/construction permit.

PERMITTEE:
CIBA-GEIGY Corporation

Permit Number: AC13-104266
Expiration Date: December 31, 1985

SPECIFIC CONDITIONS:

4. Particulate matter shall not exceed 0.3 lb/hr/curing oven and shall not exceed a total of 2.03 TPY from all curing ovens.
5. The visible emissions limit from the curing ovens shall be less than 20 percent opacity.
6. For particulate matter and visible emissions, compliance testing and reporting shall be as that required in the construction permit No. AC 13-65839.
7. Maximum hours of VOC related activities shall not exceed 4512 hours per year.
8. Objectionable odors shall not be allowed off plant property.
9. Prior to 90 days before the expiration date of this permit a complete application for an operating permit and compliance test results, if retesting is required, shall be submitted to the DER's Southeast Florida District office or its designee. Full operation of the sources may then be conducted in compliance with the terms of this permit until its expiration date or receipt of an operating permit.

Issued this 22 day of August,
1985.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


VICTORIA J. TSCHINKEL, Secretary

___ pages attached.

State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION



Interoffice Memorandum

TO: Victoria J. Tschinkel
FROM: *J. George* Clair Fancy
DATE: July 20, 1985
SUBJ: Ciba-Geigy Corporation

FOR ROUTING TO OTHER THAN THE ADDRESSEE

To: _____ LOCTN: _____
To: _____ LOCTN: _____
To: _____
FROM: _____ DATE: _____

RECEIVED

AUG 21 1985

Office of the Secretary

Attached is the Final Determination and Permit to Construct/Modify, No. AC 13-104266, their existing facility in Miami, Dade County, Florida. Public Notice of the department's intent to issue the permit was published in The Miami Herald on July 17, 1985. No comments were received on the proposed permit.

The bureau recommends your approval and signature on the construction/modification permit. Day 90, after the permit would be issued by default is October 11, 1985.

CHF/BM/s

DER

AUG 23 1985

BAQM

LAW OFFICES

HOLLAND & KNIGHT

406 THIRTEENTH STREET WEST
P. O. Box 1669
BRADENTON, FLORIDA 33506
(813) 746-7107

110 EAST BROWARD BLVD.
P. O. Box 14005
FORT LAUDERDALE, FLORIDA 33302
(305) 525-1000

92 LAKE WIRE DRIVE
P. O. DRAWER B W
LAKELAND, FLORIDA 33802
(813) 682-1161

1200 BRICKELL AVENUE
P. O. Box 015441
MIAMI, FLORIDA 33101
(305) 374-8500

255 SOUTH ORANGE AVENUE
P. O. Box 1526
ORLANDO, FLORIDA 32802
(305) 425-8500

2033 WOOD STREET
P. O. DRAWER 49768
SARASOTA, FLORIDA 33578
(813) 365-3321

BARNETT BANK BLDG.
P. O. DRAWER 810
TALLAHASSEE, FLORIDA 32302
(904) 224-7000

600 NORTH FLORIDA AVE.
P. O. Box 1288
TAMPA, FLORIDA 33601
(813) 223-1621

PLEASE REPLY TO: Tallahassee
August 5, 1985

888 SEVENTEENTH STREET, N. W.
SUITE 400
WASHINGTON, D. C. 20006
(202) 955-5550

CABLE ADDRESS
HND KNIGHT TPA
H&K MIA
TELEX 5-2630-TAMPA
TELEX 52-2233-MIAMI

HAND DELIVERY

Mr. Bruce Mitchell
Bureau of Air Quality Management
Florida Department of Environmental
Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32301

Re: Ciba-Geigy Corporation -- Permit No. A013-103057


Dear Bruce:

I have enclosed for your files the affidavit of newspaper publication for the referenced operation permit.

Please let me know if anything further is required.

Sincerely,

HOLLAND & KNIGHT


Lawrence N. Curtin

LNC/jrh
092640003L8/5:144
Enclosure

cc: Mr. Doug Buchanan (w/o enclosure)

BAQM

AUG 06 1985

DER

EMERY WORLDWIDE

AUG 02 1985

BAQM

FORM OF PAYMENT*

*If no Form of Payment is indicated the Shipper shall be liable for charges.

- Bill to Shipper
 Bill to Consignee
 GBL
 Cash

Received By: \$ /

UNITED STATES / CANADA

- STANDARD SERVICES** AM PM
 PACKAGES/CARGO
 URGENT LETTER
 URGENT POUCH
 URGENT PACK

SPECIAL SERVICES

- Same Day 9 AM Day 2
 Saturday Delivery Other

INTERNATIONAL

NON-DUTIABLE DOCUMENTS

- URGENT POUCH
 URGENT PACK

PACKAGES/CARGO

- FIRST CLASS
 BUSINESS CLASS
 STANDARD CLASS
 OTHER

Shipper's Account Number KY-OCG3550		Date 08/01/85	Origin Airport MIA	Shipment Number 86362	Destination Airport	Gateway
From: Your Name ANTONIO MAZPULE		Phone		To: Consignee's Name BRUCE MITCHELL		Phone
Company Name CIBA GEIGY		Dept/Floor		Dept/Floor Department of Environmental Regulations		
Address 3550 NW 49 ST		City MIAMI		Address 2600 Blair Stone Road		City Tallahassee
State FL		Country		State FL		Country USA
Shipper's Reference No.	Zip Code (Required) 3 3 1 4 2		Company Check Payable To Shipper Acceptable		Consignee's Ref. No.	Zip Code (Required) 3 2 3 0 1
Consignee's Acct. No.		Consignee's Acct. No.		Consignee's Acct. No.		
No. Places	Description and Marks		Commodity Code	Weight	Package Dimensions	
1	Affidavit from The Miami Herald			VL	PCS.	L W H

SPECIAL INSTRUCTIONS:

GOVT.

Declared Value	Customs Value	Insurance	International Charges
\$	\$	\$	At Origin _____ Base Charge _____ At Destination _____ Other _____ TOTAL
INTERNATIONAL & CANADIAN SHIPMENTS ONLY			

Subject to terms and conditions on reverse Shipper's Signature

This non-negotiable air way bill is subject to the Terms and Conditions set forth on the reverse side of this copy. Emery shall not be liable for special, incidental, or consequential damages and disclaims all warranties, expressed or implied, with respect to carriage of this shipment. Unless a higher value is declared and an additional charge paid, the liability of Emery for this shipment is limited to an amount set forth in the Emery Service Guide in effect on the date of shipment, or \$10 per pound, whichever is higher.

- Bill To: Address Below
 Paying For Shipper Consignee Third Party

Goods Received At:

Shipper's Door Residence Door Airport Terminal City Terminal Carrier's Advance Drop Box

Time: 15:05 Date: 8/1/85 No. Shipments This Stop: _____

By: EA Advance Override: AO- AD-

Composite Materials Department
Miami Plant

CIBA-GEIGY Corporation
3550 N.W. 49th Street
Miami, Florida 33142
Telephone 305 633 9066

CIBA-GEIGY

August 01, 1985

DER
AUG 02 1985
BAQM

Mr. Bruce Mitchell
Dept. of Environmental Regulations
Bureau of Air Quality Management
2600 Blair Stone Road
Tallahassee, FL 32301-8241

Dear Mr. Mitchell:

Attached please find copy of Affidavit of Notice of Proposed Agency
Action publication of the Miami Herald.

If you have further questions please feel free to contact me.

Sincerely,



Antonio Mazpule
Sr. Engineer

AM/on

The Miami Herald
A KNIGHT-RIDDER NEWSPAPER
PUBLISHED DAILY
MIAMI - DADE - FLORIDA

STATE OF FLORIDA
COUNTY OF DADE:

Before the undersigned authority personally appeared

Ann Martula

who on oath says that he/she is

Office Manager

of The Miami Herald, a daily newspaper published at Miami in Dade County, Florida; that the attached copy of advertisement was published in said newspaper in the issues of

July 17, 1985

Affiant further says that the said The Miami Herald is a newspaper published at Miami, in the said Dade County, Florida and that the said newspaper has heretofore been continuously published in said Dade County, Florida, each day and has been entered as second class mail matter at the post office in Miami, in said Dade 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, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Ann Martula

Sworn to and subscribed before me this 19th day of July A.D. 1985

My commission expires *5/28/86*

NOTARY PUBLIC STATE OF FLORIDA
MY COMMISSION EXPIRES FEB 7 1987
BONDED THRU GENERAL INSURANCE UND

State of Florida
Department of
Environmental Regulation
Notice of Proposed
Agency Action
on Permit Application
The Department of Environmental Regulation gives notice of its intent to issue a permit to Ciba-Geigy Corporation to authorize an increase of usage of volatile organic compounds by 39.9 tons per year at their existing facility located at 3550 Northwest 49th Street, Miami, Dade County, Florida. A determination of best available control technology (BACT) was not required.

Persons 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 conform to the requirements of Chapters 17-103 and 28-5, Florida Administrative Code, and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Twin Towers Office Building, Tallahassee, Florida 32301, within fourteen (14) days of publication of this notice. Failure to file a request for hearing within this time period constitutes a waiver of any right such person may have to request an administrative determination (hearing) under 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 proposed agency action. Therefore, persons who may not wish to file a petition may wish to intervene in the proceeding. A petition for intervention must be filed pursuant to Model Rule 28-5.207, Florida Administrative Code, 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 32301. 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, Florida Statutes.

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:

Dept. of Environmental Regulation, Southeast Florida District, 3301 Gun Club Road, West Palm Beach, Florida 33402.

Dade County Department of Environmental Resources Management, 909 Southeast 1st Avenue, Brickell Plaza, Miami, Florida 33131.

Dept. of Environmental Regulation, Bureau of Air Quality Management, 2600 Blair Stone Road, Tallahassee, Florida 32301

Any person may send written comments on the proposed action to Mr. Bill Thomas at the department's Tallahassee address. All comments mailed within 30 days of the publication of this notice will be considered in the department's final determination.
July 17, 1985
Ad. No. 356-916R

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JUL 30 1985
COMPOSITE MATERIALS DEPT.
MIAMI, FLORIDA

RECEIVED
AUG 5 1985

HOLLAND & KNIGHT
TALLAHASSEE

DER
AUG 06 1985
BAQM

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THE MIAMI HERALD PUBLISHING COMPANY
CLASSIFIED ADVERTISING INVOICE

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THE MIAMI HERALD PUBLISHING CO.
P.O. BOX 4031
MIAMI, FLORIDA 33101

AD NO	CLASS	DESCRIPTION OF CHARGES	RATE	LINEAGE	START DATE	BILLING DATE	NO OF INSERTS	AMOUNT
356916	A117	XXXX** LEGAL AD** STATE OF FLORIDA DEPARTMENT OF	540		13107170717		1	707.40
356916	A117	XXAFFIDAVIT CHARGE			13107170717			2.00

AD NUMBER	AMOUNT
356916	709.40
AMOUNT DUE	709.40

CIBA-GEIGY
ANTONIO MAZPULE-PE
3550 NW 49 ST
MIA FLA 33142

O.K. FOR PAYMENT
7/16/85

AMOUNT DUE 709.40

TELEPHONE NO. X33-9066

DATE 07/16/85

THANK YOU FOR YOUR CLASSIFIED ADVERTISEMENT

TERMS: NET DUE UPON RECEIPT

THIS IS A COURTESY CHARGE - DOES NOT ESTABLISH CREDIT

X33-9066
PLEASE DETACH AND
RETURN THIS STUB
WITH YOUR REMITTANCE

BAQM
AUG 06 1985
DER

Best Available Copy

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CONCERNING THIS INVOICE,
PLEASE CALL 350-2711 376-2500

THE MIAMI Herald -- THE MIAMI NEWS
THE MIAMI HERALD PUBLISHING COMPANY
CLASSIFIED ADVERTISING INVOICE

KEEP THIS INVOICE
FOR YOUR RECORDS

THE MIAMI HERALD PUBLISHING
P.O. BOX 4031
MIAMI, FLORIDA 33102

AD. NO.	CLASS	DESCRIPTION OF CHARGES	RATE	LENGTH	START DATE	BILLING DATE	NO. OF INSERTS	AMOUNT	AD. NUMBER	AMOUNT
		XXXX** LEGAL AD**								
356916	A117	STATE OF FLORIDA DEPARTMENT OF	540		13107170717		1	707.40	356916	709.40
356916	A117	XXX AFFIDAVIT CHARGE			13107170717			2.00		
								AMOUNT DUE		709.40
								AMOUNT DUE		709.40

CIRA-GEIGY
ANTONIO HAZPULE-PE
3550 NW 49 ST
MIA FLA 33142

O.K. FOR PAYMENT
7/16/85

TELEPHONE NO. X33-9066

DATE 07/16/85

THANK YOU FOR YOUR CLASSIFIED ADVERTISEMENT
TERMS: NET DUE UPON RECEIPT

THIS IS A COURTESY CHARGE - DOES NOT ESTABLISH CREDIT

X33-9066
PLEASE DETACH AND
RETURN THIS STUB
WITH YOUR REMITTANCE

SAQM

AUG 02 1985

DER

No. 0158701

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

SENT TO		Mr. Douglas B. Buchana	
STREET AND NO.			
P.O., STATE AND ZIP CODE			
POSTAGE		\$	
CONSULT POSTMASTER FOR FEES	CERTIFIED FEE	¢	
	SPECIAL DELIVERY	¢	
	RESTRICTED DELIVERY	¢	
	OPTIONAL SERVICES	RETURN RECEIPT SERVICE	¢
		SHOW TO WHOM AND DATE DELIVERED	¢
		SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	¢
SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY		¢	
SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	¢		
TOTAL POSTAGE AND FEES		\$	
POSTMARK OR DATE		7/2/85	

PS Form 3800, Apr. 1976

PS Form 3811, July 1983

● **SENDER: Complete items 1, 2, 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 service(s) requested.

1. Show to whom, date and address of delivery.

2. Restricted Delivery.

3. Article Addressed to:
Mr. Douglas B. Buchanan
Ciba-Geigy Corporation
3550 N.W. 49th Street
Miami, Florida 33142

4. Type of Service:	Article Number
<input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail	0158701

Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature — Addressee
X *CIBA-GEIGY*

6. Signature — Agent
X *Norman Lopez Segura*

7. Date of Delivery
7-8-85

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

DOMESTIC RETURN RECEIPT

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

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



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

July 1, 1985

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. Douglas B. Buchanan
Site Manager
Ciba-Geigy Corporation
3550 N.W. 49th Street
Miami, Florida 33142


Dear Mr. Buchanan:

Attached is one copy of the Technical Evaluation and Preliminary Determination, and proposed permit to authorize an increase of VOC usage at your facility in Miami, Dade County, Florida.

Before final action can be taken on your draft permit, you are required by Florida Administrative Code Rule 17-103.150 to publish the attached Notice of Proposed Agency Action in the legal advertising section of a newspaper of general circulation in Dade County no later than fourteen days after receipt of this letter. The department must be provided with proof of publication within seven days of the date the notice is published. Failure to publish the notice may be grounds for denial of the permit.

Please submit, in writing, any comments which 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, P.E.
Deputy Chief
Bureau of Air Quality
Management

CHF/pa

Attachments

cc: Antonio P. Mazpule, P.E.
Art Bolivar
Tom Tittle

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

In the Matter of an)
Application for Permit by:)
)
Ciba-Geigy Coporation) DER File No. AC 13-104266
3550 NW 49th Street)
Miami, Florida 33142)

INTENT TO ISSUE

The Department of Environmental Regulation hereby gives notice of its Intent to Issue, and proposed order of issuance for, a permit pursuant to Chapter 403, Florida Statutes, 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, Ciba-Geigy Corporation, applied on May 17, 1985, to the Department of Environmental Regulation for a permit to increase VOC usage by 39.9 tons per year at their existing facility in Miami, Dade 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 applicant was officially notified by the Department that an air construction permit was required for the proposed work.

This intent to issue shall be placed before the Secretary for final action unless an appropriate petition for a hearing pursuant to the provisions of Section 120.57, Florida Statutes, is filed within fourteen (14) days from receipt of this letter or

publication of the public notice (copy attached) required pursuant to Rule 17-103.150, Florida Administrative Code, whichever occurs first. The petition must comply with the requirements of Section 17-103.155 and Rule 28-5.201, Florida Administrative Code (copy attached) and be filed pursuant to Rule 17-103.155(1) in the Office of General Counsel of the Department of Environmental Regulation at 2600 Blair Stone Road, Tallahassee, Florida 32301.

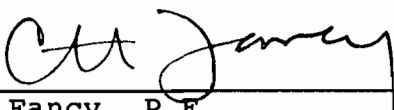
Petitions which are not filed in accordance with the above provisions are subject to dismissal by the Department. In the event a formal hearing is conducted pursuant to Section 120.57(1), all parties shall have an opportunity to respond, to present evidence and argument on all issues involved, to conduct cross-examination of witnesses and submit rebuttal evidence, to submit proposed findings of facts and orders, to file exceptions to any order or hearing officer's recommended order, and to be represented by counsel. If an informal hearing is requested, the agency, in accordance with its rules of procedure, will provide affected persons or parties or their counsel an opportunity, at a convenient time and place, to present to the agency or hearing officer, written or oral evidence in opposition to the agency's action or refusal to act, or a written statement challenging the grounds upon which the agency has chosen to justify its action or inaction, pursuant to Section 120.57(2), 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 proposed agency action. Therefore, persons who may not wish to file a petition, may wish to intervene in the proceeding. A petition for intervention must be filed pursuant to Model Rule 28-5.207 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, 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 32301. 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, Florida Statutes.

Executed the 2 day of July, 1985, in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



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

Copies furnished to:

Douglas B. Buchanan
Site Manager
Ciba-Geigy Corporation
3550 N.W. 49th Street
Miami, Florida 33142

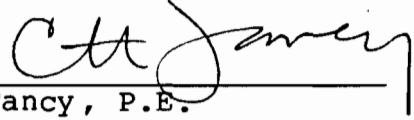
Antonio P. Mazpule, P.E.
Ciba-Geigy Corporation
3550 N.W. 49th Street
Miami, Florida 33142

Art Bolivar
Dade County Dept. of Environmental
Resources Management
909 Southeast 1st Ave., Brickell Plaza
Miami, Florida 33131

Tom Tittle
Dept. of Environmental Regulation
Southeast Florida District
3301 Gun Club Road
West Palm Beach, Florida 33402

CERTIFICATION

This is to certify that the foregoing Intent to Issue and all copies were mailed before the close of business on 2 July, 1985.



C. H. Fancy, P.E.
Deputy Chief
Bureau of Air Quality
Management
2600 Blair Stone Road
Tallahassee, Florida 32301

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

Patricia G. Adams July 2, 1985
Clerk Date

Technical Evaluation
and
Preliminary Determination

CIBA-GEIGY Corporation
Dade County
Miami, Florida

Permit Number:
AC 13-104266

Florida Department of Environmental Regulation

Bureau of Air Quality Management

Central Air Permitting

June 28, 1985

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

The Department of Environmental Regulation gives notice of its intent to issue a permit to Ciba-Geigy Corporation to authorize an increase of usage of volatile organic compounds by 39.9 tons per year at their existing facility located at 3550 Northwest 49th Street, Miami, Dade County, Florida. A determination of best available control technology (BACT) was not required.

Persons 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 conform to the requirements of Chapters 17-103 and 28-5, Florida Administrative Code, and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Twin Towers Office Building, Tallahassee, Florida 32301, within fourteen (14) days of publication of this notice. Failure to file a request for hearing within this time period constitutes a waiver of any right such person may have to request an administrative determination (hearing) under 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 proposed agency action. Therefore, persons who may not wish to file a petition may wish to intervene in the proceeding. A petition for intervention must be filed pursuant to Model Rule 28-5.207, Florida Administrative Code, 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 32301. 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, Florida Statutes.

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:

Dept. of Environmental Regulation
Southeast Florida District
3301 Gun Club Road
West Palm Beach, Florida 33402

Dade County Department of Environmental Resources Management
909 Southeast 1st Avenue
Brickell Plaza
Miami, Florida 33131

Dept. of Environmental Regulation
Bureau of Air Quality Management
2600 Blair Stone Road
Tallahassee, Florida 32301

Any person may send written comments on the proposed action to Mr. Bill Thomas at the department's Tallahassee address. All comments mailed within 30 days of the publication of this notice will be considered in the department's final determination.

RULES OF THE ADMINISTRATIVE COMMISSION
MODEL RULES OF PROCEDURE
CHAPTER 28-5
DECISIONS DETERMINING SUBSTANTIAL INTERESTS

28-5.15 Requests for Formal and Informal Proceedings

- (1) Requests for proceedings shall be made by petition to the agency involved. Each petition shall be printed typewritten or otherwise duplicated in legible form on white paper of standard legal size. Unless printed, the impression shall be on one side of the paper only and lines shall be double spaced and indented.
- (2) All petitions filed under these rules should contain:
 - (a) The name and address of each agency affected and each agency's file or identification number, if known;
 - (b) The name and address of the petitioner or petitioners;
 - (c) All disputed issues of material fact. If there are none, the petition must so indicate;
 - (d) A concise statement of the ultimate facts alleged, and the rules, regulations and constitutional provisions which entitle the petitioner to relief;
 - (e) A statement summarizing any informal action taken to resolve the issues, and the results of that action;
 - (f) A demand for the relief to which the petitioner deems himself entitled; and
 - (g) Such other information which the petitioner contends is material.

I. PROJECT DESCRIPTION

A. Applicant

CIBA-GEIGY Corporation
3550 Northwest 49th Street
Miami, Florida 33142

B. Project and Location

At its existing facility, the applicant is requesting an increase in the usage of volatile organic compounds (VOC). It is assumed that all of the VOC emissions are exhausted into the atmosphere because there is no VOC control system associated with the dip room exhaust system and the curing ovens.

This increase in VOC usage will also increase the annual production throughput in the curing ovens. Consequently, there will be a slight increase in particulate matter (PM) emissions (0.28 TPY).

The existing facility is located at the above address in Dade County. The UTM coordinates are Zone 17, 575.307 km East and 2856.387 km North.

The source classification code for the processes involved is 4-02-007-06.

C. Process and Controls

At this facility, a Nomex or fiberglass material is bonded, dipped in a resin coating bath, purged with air, dried in a curing oven, and then cut and shaped according to specifications. Approximately 90% of the emissions of VOC are purged from the material prior to entering a curing oven. Acetone, a VOC, is used for house cleaning.

In-house preventive maintenance procedures, such as completely sealing the resin dip tanks with floating tank covers when not in use, will be utilized to minimize the emissions of VOC. The emissions of VOC will be accounted for by a material balance, which is an inventory balance. Since this facility has no VOC reclamation control devices at this time, the amount of VOC emitted into the atmosphere will be the difference between the beginning inventory, plus what has been delivered, and the ending inventory. Therefore, monthly logs shall be maintained and a quarterly report shall be compiled and submitted to the Dade County Environmental Resources Management (DERM) office and the DER's Southeast Florida District office.

II. RULE APPLICABILITY

The proposed modification is subject to preconstruction review under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 and 17-4.

The application to modify the existing facility was complete May 30, 1985.

The existing facility is located in Dade County, which is an area designated nonattainment for the pollutant ozone in accordance with FAC Rule 17-2.410(1)(d). Volatile organic compounds are precursors to ozone.

The existing facility is a major emitting facility for VOC in accordance with FAC Rule 17-2.100(98). The permitted allowable VOC emissions are 311.5 tons per year (TPY).

The applicant is requesting an increase of 39.9 TPY of VOC, which is a minor modification and less than the significant emission rate of 40 TPY VOC pursuant to Table 500-2. Consequently, the emissions are not subject to preconstruction review requirements of FAC Rule 17-2.510(4) in accordance with FAC Rule 17-2.510(2)(d)4.a. Therefore, the emissions shall be reviewed pursuant to FAC Rule 17-2.520, Sources Not Subject to Prevention of Significant Deterioration or Nonattainment Requirements.

Since there are no NSPS, NESHAP, nor any applicable emission limiting standard in FAC Rules 17-2.600 and 17-2.650(1), the proposed modification shall be permitted in accordance with FAC Rules 17-2.610, General Particulate Emission Limiting Standards, and 17-2.620, General Pollutant Emission Limiting Standards.

Using the process weight equation and the total phenolic resin input rate of 195 pounds per hour (lb/hr), equivalent to 0.10 tons per hour, the total allowable emission rate for particulate matter (PM) calculates to be 0.9 lb/hr and 2.03 TPY (at 4512 hr/yr operation) in accordance with 17-2.610(1). Per curing oven, the maximum allowable emission rates for PM are 0.30 lb/hr and 0.68 TPY. This represents a total increase of PM of 0.23 TPY from the permitted allowable emission limit.

According to 17-2.610(2)(a), no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere any air pollutants from new, or existing sources, the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart the opacity of which is equal to or greater than 20 percent.

According to 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. At present, only in-house preventive maintenance procedures and crew efficiency will be utilized and deemed necessary to keep VOC emissions minimized.

Proposed and acceptable in-house preventive maintenance procedures shall include, but not be limited to: 1) seal the resin-dip tanks with floating-tank covers when the process is not being used; 2) keep lids and caps on all VOC containers when not being used; 3) maintain a monthly accounting of the volatile organic compounds per type such that the beginning inventory and deliveries are accounted for; and, 4) a quarterly report, compiled from #4, is to be submitted to the DER's Southeast Florida District office and Dade County's Department of Environmental Resources Management office no later than 15 days after the closing date of each quarter.

According to 17-2.620(2), no person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor. An objectionable odor is defined as any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance according to 17-2.100(108). Therefore, objectionable odors shall not be allowed off plant property.

Compliance testing shall be in accordance with FAC Rule 17-2.700. For PM mass emissions compliance testing, the compliance test method shall be DER Method 5. For visible emissions compliance testing, the compliance test method shall be DER Method 9.

III. SUMMARY OF EMISSIONS AND AIR QUALITY ANALYSIS

A. Emission Limitations

The regulated pollutant emissions from the requested modification are VOC and PM. The following table reflects the maximum allowable emissions, including the modifications, from the facility in TPY.

Source Facility	Pollutant VOC	Maximum Allowable Emissions (TPY)
	IPA	330.2
	Acetone	3.9
	Phenol	15.6
	Formaldehyde	1.7
	TOTAL:	351.4
Curing Ovens	PM	2.03
	VE	less than 20% opacity

NOTE: °The 330.2 TPY of IPA reflects a 38.2 TPY increase.

°The 15.5 TPY of phenol reflectss a 1.7 TPY increase.

°The 2.03 TPY of PM reflects a 0.23 TPY increase.

The permitted emissions are in compliance with all applicable requirements of FAC Rules 17-2 and 17-4.

B. Air Quality Analysis

From a technical review of the application, an air quality analysis was not required for the proposed modification.

IV. CONCLUSIONS

The emission limits proposed by the applicant are acceptable by the department. An inventory/material balance scheme, crew efficiency, and in-house preventive maintenance procedures proposed by the applicant should be adequate to assess the actual emissions of VOC and to keep the emissions of VOC at a minimum. However, if the proposed in-house preventive maintenance procedures are not adhered to, a review as to what the department deems necessary to minimize the emissions of VOC may be in order and shall be initiated by the DER's Southeast Florida District office and the Dade County Department of Environmental Resources Management office.

The baghouse control system associated with the curing ovens should be capable of continued compliance with the PM mass emission limit and the visible emission limit.

The permitted emissions from the proposed modification should not cause any violation of Florida's ambient air quality standards.

The General and Specific Conditions listed in the proposed permit (attached) will assure compliance with all applicable requirements of FAC Rules 17-2 and 17-4.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

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



BOB GRAHAM
GOVERNOR
VICTORIA J. TSCHINKEL
SECRETARY

PERMITTEE:
CIBA-GEIGY Corporation
3550 NW 49th Street
Miami, Florida 33142

Permit Number: AC 13-104266
Expiration Date: December 31, 1985
County: Dade
Latitude/Longitude: 25° 49' 25" N/
80° 15' 16" W
Project: Modification to increase
VOC usage by 39.9 TPY

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:

The proposed modification is to increase the usage of volatile organic compounds by 39.9 TPY. The UTM coordinates are Zone 17, 575.307 km East and 2856.387 km North.

The modification shall be in accordance with the attached permit application except as otherwise noted on pages 5-6 of the Specific Conditions.

Attachments are as follows:

1. Application to Construct/Modify an Air Pollution Source, DER Form 17-1.202(1), received May 17, 1985, from Mr. Douglas B. Buchanan.
2. Doug Buchanan's letter with attachment dated May 29, 1985.
3. Construction Permit No. AC 13-65839, issued January 6, 1984.

PERMITTEE:
CIBA-GEIGY Corporation

Permit Number: AC 13-104266
Expiration Date: December 31, 1985

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:
CIBA-GEIGY Corporation

Permit Number: AC 13-104266
Expiration Date: December 31, 1985

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 noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

PERMITTEE:
CIBA-GEIGY Corporation

Permit Number: AC 13-104266
Expiration Date: December 31, 1985

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:
CIBA-GEIGY Corporation

Permit Number: AC13-104266
Expiration Date: December 31, 1985

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 permit does not replace any existing permits.
2. Maximum allowable increase of VOC (volatile organic compounds) usage shall not exceed 39.9 TPY above the existing permitted levels. The 39.9 TPY VOC increase is based on increases of 38.2 TPY of isopropyl alcohol and 1.7 TPY of phenol.
3. All VOC operating, maintenance, accounting, compliance and reporting procedures contained in construction permit No. AC 13-65839, issued January 6, 1984, shall apply to this modification/construction permit.

PERMITTEE:
CIBA-GEIGY Corporation

Permit Number: AC13-104266
Expiration Date: December 31, 1985

SPECIFIC CONDITIONS:

4. Particulate matter shall not exceed 0.3 lb/hr/curing oven and shall not exceed a total of 2.03 TPY from all curing ovens.
5. The visible emissions limit from the curing ovens shall be less than 20 percent opacity.
6. For particulate matter and visible emissions, compliance testing and reporting shall be as that required in the construction permit No. AC 13-65839.
7. Maximum hours of VOC related activities shall not exceed 4512 hours per year.
8. Objectionable odors shall not be allowed off plant property.
9. Prior to 90 days before the expiration date of this permit a complete application for an operating permit and compliance test results, if retesting is required, shall be submitted to the DER's Southeast Florida District office or its designee. Full operation of the sources may then be conducted in compliance with the terms of this permit until its expiration date or receipt of an operating permit.

Issued this _____ day of _____,
19____.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

VICTORIA J. TSCHINKEL, Secretary

_____ pages attached.

Composite Materials Department
Miami Plant

CIBA-GEIGY Corporation
3550 N.W. 49th Street
Miami, Florida 33142
Telephone 305 633 9066

CIBA-GEIGY

May 29, 1985

Bureau of Air Quality Management
Dept. of Environmental Regulations
Attn: Bruce Mitchell
2600 Blair Stone Road
Tallahassee, FL 32301-8241

Dear Mr. Mitchell:

Enclosed are pages Nos. 3 & 4 from 12 of our construction permit applications. They have been corrected to reflect the proportional changes of raw materials, contaminants and hours per year associated with the requested 39.9 TPY allowance.

Sincerely,



Doug Buchanan
Site Manager

DB/TM/on

DER

MAY 30 1985

BAQM

E. Requested permitted equipment operating time: hrs/day 15 ; days/wk 6 ; wks/yr 50 ;
 if power plant, hrs/yr - ; if seasonal, describe: Operating times vary, plant
is down for periodic maintenance and overtime is used for increases in
demand for product. The operating time above is our best estimate for
512 hours/year Increase associated with the 39.9 TYP of voc requested

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? | <u>Yes, ozone</u> |
| a. If yes, has "offset" been applied? | <u>No</u> |
| b. If yes, has "Lowest Achievable Emission Rate" been applied? | <u>No</u> |
| c. If yes, list non-attainment pollutants. _____ | <u>VOC</u> |
| 2. Does best available control technology (BACT) apply to this source?
If yes, see Section VI. | <u>No</u> |
| 3. Does the State "Prevention of Significant Deterioration" (PSD)
requirement apply to this source? If yes, see Sections VI and VII. | <u>No</u> |
| 4. Do "Standards of Performance for New Stationary Sources" (NSPS)
apply to this source? | <u>No</u> |
| 5. Do "National Emission Standards for Hazardous Air Pollutants"
(NESHAP) apply to this source? | <u>No</u> |
| H. Do "Reasonably Available Control Technology" (RACT) requirements apply
to this source? | <u>No</u> |
| a. If yes, for what pollutants? _____ | <u>No</u> |
| 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.

DER
 MAY 30 1985
 BAQM

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		
Nomex - F/G	-	-	114	
IPA	-	-	84	(1)
Resin	-	-	195	(2)
Acetone	-	-	1.97	

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

1. Total Process Input Rate (lbs/hr): 393

2. Product Weight (lbs/hr): 245

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

Name of Contaminant	Emission ¹		Allowed ² Emission Rate per Rule 17-2	Allowable ³ Emission lbs/hr	Potential ⁴ Emission		Relate to Flow Diagram
	Maximum lbs/hr	Actual I/yr			lbs/yr	I/yr ^{**}	
Partic. Mtr.	.9	* 2.03 1.01	-	.9*	.9	1.01	(11) (10) (12)
IPA	146	330.2	-	(Total for three ovens)	146	330.2	(4) (6) (8)
Phenol	6.96	115.6	-	-	6.96	115.6	(8)
Formaldehyde	.84	1.7	-	-	.84	1.7	(8)
Acetone	1.97	3.9	-	-	1.97	3.9	

¹See Section V, Item 2. * As per construction permit AC 13-65839

²Reference 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)

³Calculated from operating rate and applicable standard.

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

**The hours per year have been proportionally increased to reflect the 39.9 TPY of VOC requested: $\frac{311.5 + 39.9}{311.5} \times 4000 = 4512 \text{ HRS/YR}$

* RM $4512 \times .9 + 2000 = 2.03 \text{ TPY}$

ATTACHMENT 3

Available Upon Request.

Composite Materials Department
Miami Plant

CIBA-GEIGY Corporation
3550 N.W. 49th Street
Miami, Florida 33142
Telephone 305 633 9066

CIBA-GEIGY

May 16, 1985

Mr. Bruce Mitchell
Dept. of Environmental Regulations
Bureau of Air Quality Management
2600 Blair Stone Road
Tallahassee, FL 32301-8241

DER


MAY 17 1985

BAQM

Dear Mr. Mitchell:

Enclosed please find the completed application forms and the check
for the amount of \$250.00

Sincerely,


Douglas B. Buchanan
Site Manager

DBB/on

CIBA - GEIGY CORPORATION
CIB-C

VENDOR NO. 1

4951

INVOICE NUMBER	INVOICE DATE	VOUCHER NO.	P.O. NUMBER	GROSS	DISCOUNT	NET
051602	16 MAY 85	6956		250.00	0.00	250.00
					TOTAL:	250.00

DER
MAY 17 1985
BAQM

DETACH AT PERFORATION BEFORE DEPOSITING CHECK

REMITTANCE ADVICE

PALMETTO OFFICE
SUN BANK
MIAMI, FLORIDA

CIBA - GEIGY CORPORATION
COMPOSITE MATERIALS DEPT.
3550 N.W. 49 STREET
MIAMI, FLORIDA 33142

NO. 04951

PAY THIS AMOUNT

DATE	AMOUNT
16 MAY 85	*****250.00

TWO HUNDRED FIFTY DOLLARS AND 00 CENTS**

TO THE ORDER OF:

DEPARTMENT OF ENVIRONMENTAL
REGULATION
TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE FL 32301

CIBA-GEIGY CORPORATION

[Signature]
TWO SIGNATURES REQUIRED
[Signature]
AUTHORIZED SIGNATURE

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

Nº 76075

RECEIPT FOR APPLICATION FEES AND MISCELLANEOUS REVENUE

Received from Ciba-Geigy Corporation Date May 17, 1985
Address 3550 N.W. 49 Street, Miami, FL 33142 Dollars \$ 250.00
Applicant Name & Address Same as above
Source of Revenue _____
Revenue Code 001031 Application Number AC 13-104266
By Patricia G. Adams

AC 13-104266

DEPARTMENT OF ENVIRONMENTAL REGULATION

DER
MAY 17 1985
BAQM

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 SOURCES

SOURCE TYPE: Stationary [] New¹ [X] Existing¹

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

COMPANY NAME: CIBA-GEIGY Corporation COUNTY: Dade

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) Dip Room Exhaust

SOURCE LOCATION: Street 3550 N.W. 49th Street City Miami

UTM: East 575307 North 2856387

Latitude 25 ° 49 ' 05 "N Longitude 80 ° 15 ' 16 "W

APPLICANT NAME AND TITLE: Douglas B. Buchanan, Site Manager

APPLICANT ADDRESS: 3550 N.W. 49th Street, Miami, FL 33142

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative* of CIBA-GEIGY Corporation

I certify that the statements made in this application for a modification 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: Douglas B. Buchanan

Douglas B. Buchanan, Site Manager
Name and Title (Please Type)

Date: 05/16/85 Telephone No. (305)633-9066

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

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

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



Signed Antonio P. Mazpule

Antonio P. Mazpule
Name (Please Type)

CIBA-GEIGY Corporation
Company Name (Please Type)

3550 N.W. 49th Street, Miami, FL 33142
Mailing Address (Please Type)

Florida Registration No. PE0023368 Date: 5-16-85 Telephone No. (305)633-9066

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 request is for an additional 39.9 tons of IPA required for increased demand for production.

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

Start of Construction N/A Completion of Construction N/A

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.)

N/A

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

AC 13-65839, Dade County 24° 49' 05" N, 80° 15' 16" W
Expires May 31, 1985: Operating permit being processed.

E. Requested permitted equipment operating time: hrs/day 20 ; days/wk 6 ; wks/yr 51 ;
 if power plant, hrs/yr - ; if seasonal, describe: Operating times vary, plant is
down for periodic maintenance and overtime is used for increase in demand for
product.

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? | " |
| 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		
Nomex & Fiberglass	-	-	114	
Isopropyl Alcohol	-	-	84	
Phenolic Resin	-	-	195	

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

1. Total Process Input Rate (lbs/hr): 393
2. Product Weight (lbs/hr): 245

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

Name of Contaminant	Emission ¹		Allowed ² Emission Rate per Rule 17-2	Allowable ³ Emission lbs/hr	Potential ⁴ Emission		Relate to Flow Diagram
	Maximum lbs/hr	Actual T/yr			lbs/yr	T/yr	
Particualtes	.52*	1.04		.90	.9	1.8	
VOC	155.8**	311.5		311.5**	155.8	311.5	

¹See Section V, Item 2. * As per compliance tests
 ** As per construction permit AC 13-65839

²Reference 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)

³Calculated from operating rate and applicable standard.

⁴Emission, 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)
Dust Collectors		99.9%		
Torit Model No.		at .1 Micron	Down	Mfg.
9200-255			1 Micron	Lab
Serial No. BB 8651 BB 8644 BB 8652	Particulate Matter			Test

E. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	avg/hr	max./hr	
Natural Gas	.00252	-	2.70

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

Fuel Analysis:

Percent Sulfur: None Percent Ash: ----

Density: ---- lbs/gal Typical Percent Nitrogen: ----

Heat Capacity: 1070 BTU/CF ----- BTU/gal

Other Fuel Contaminants (which may cause air pollution): -----

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

Annual Average None Maximum ----

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

Particulate matter collected in plastic bags and placed in trash container
for pick up.

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

Stack Height: See Below ft. Stack Diameter: See Below ft.

Gas Flow Rate: 8773/4765 ACFM _____ DSCFM Gas Exit Temperature: 141/134 °F.

Water Vapor Content: 5.4/3.6 % Velocity: 26.5/25.3 FPS

Ovens Exhaust is directed to the emission control devices

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) ³	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:
- 7. Energy:
- 9. Emissions:

- 6. Operating Costs:
- 8. Maintenance Cost:

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:¹ d. Capital Cost:
- e. Useful Life: f. Operating Cost:
- g. Energy:² 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:¹ d. Capital Cost:
- e. Useful Life: f. Operating Cost:
- g. Energy:² h. Maintenance Cost:
- i. Availability of construction materials and process chemicals:

¹Explain method of determining efficiency.

²Energy 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:¹

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:²

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:¹

d. Capital Costs:

e. Useful Life:

f. Operating Cost:

g. Energy:²

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:¹

3. Capital Cost:

4. Useful Life:

5. Operating Cost:

6. Energy:²

7. Maintenance Cost:

8. Manufacturer:

9. Other locations where employed on similar processes:

a. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

¹Explain method of determining efficiency.

²Energy to be reported in units of electrical power - KWH design rate.

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:¹

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

(8) Process Rate:¹

b. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:¹

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

(8) Process Rate:¹

10. Reason for selection and description of systems:

¹Applicant 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 _____ () SO₂* _____ 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 ²	_____ 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.

August 16, 1982

I hereby certify that Mr. Douglas Buchanan is the authorized representative of CIBA-GEIGY Corporation at the Miami Site.

JS:rd



Jack Schneller
President
Plastics & Additives Division
CIBA-GEIGY Corporation