

Check Sheet

Company Name: *Central Florida Pipeline*  
Permit Number: *AC 48-173 939*  
PSD Number:  
County: *Orange*  
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 938 762 877

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to Ralph Baker - CFP	
Street and No. 100 GATX Dr.	
State and ZIP Code Tampa, 91	
Postage	S
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	S
Postmark or Date 4-23-90 AC 48-179939	

PS Form 3800, June 1985

**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. Ralph Baker Mgr. of Fla. Operations Central Fla. Pipeline Corp. 100 GATX Dr. Tampa, 91 33605	4. Article Number P 938 762 877 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
5. Signature - Address X	Always obtain signature of addressee or agent and DATE DELIVERED.
6. Signature - Agent X Joyce B. VanLaereburgh	8. Addressee's Address (ONLY if requested and fee paid)
7. Date of Delivery 4/25/90	

PS Form 3811, Mar. 1988 \* U.S.

RECEIPT



# 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. Ralph Baker  
Manager of Florida Operations  
Central Florida Pipeline Corporation  
100 GATX Drive  
Tampa, Florida 33605

April 20, 1990

Enclosed is construction permit No. AC 48-173939 for Central Florida Pipeline Corporation to construct gasoline additive tank No. A-16 at the GATX terminal in Taft, Orange County, Florida. This permit is issued pursuant to Section 403, Florida Statutes.

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

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

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

Copy furnished to:

C. Collins, Central District  
Robert Wallace, P.E.

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 4-23-90.

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

  
Clerk

4-20-90  
Date

Final Determination

Central Florida Pipeline Corporation  
Taft, Orange County, Florida

Gasoline Additive Tank No. A-16  
File No. AC 48-173939

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

April 20, 1990

## Final Determination

The Technical Evaluation and Preliminary Determination for the permit to construct gasoline additive tank No. A-16 at Central Florida Pipeline Corporation's GATX terminal in Taft, Orange County, Florida, was distributed on March 27, 1990. The Notice of Intent to Issue was published in the Orlando Sentinel on April 4, 1990. Copies of the evaluation were available for public inspection at the Department's offices in Orlando and Tallahassee.

No comments were submitted on the Department's Intent to Issue the permit. The final action of the Department will be to issue construction permit No. AC 48-173939 as proposed in the Technical Evaluation and Preliminary Determination.



# Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

**PERMITTEE:**

Central Florida Pipeline Corp.  
100 GATX Drive  
Tampa, Florida 33605

Permit Number: AC 48-173939

Expiration Date: March 1, 1991

County: Orange

Latitude/Longitude: 28°25'19"  
81°22'01"

Project: Gasoline Additive Tank  
No. A-16

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

Install an 4,000 gallon horizontal gasoline additive tank No. A-16 (horizontal 4.5 ft. diameter x 24.5 ft. long) equipped with a pressure/vacuum vent at the GATX terminal (SIC 5171) located at 9919 Palm Avenue, Taft, Orange County, Florida. The UTM coordinates of this facility are Zone 17, 463.8 km E and 3143 km N.

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

**Attachment:**

1. Application received December 8, 1989.

PERMITTEE:

Central Florida Pipeline Corp.

Permit No. AC 48-173939

Expiration Date: March 1, 1991

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.



PERMITTEE:  
Central Florida Pipeline Corp.

Permit No. AC 48-173939  
Expiration Date: March 1, 1991

GENERAL CONDITIONS:

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

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

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

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

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

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

PERMITTEE: Central Florida Pipeline Corp. Permit No. AC 48-173939  
Expiration Date: March 1, 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 for revocation of this permit.

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

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

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

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

13. This permit also constitutes:

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

14. The permittee shall comply with the following:

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

PERMITTEE:

Central Florida Pipeline Corp.

Permit No. AC 48-173939

Expiration Date: March 1, 1991

**GENERAL CONDITIONS:**

b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.

c. Records of monitoring information shall include:

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

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 corrected promptly.

**SPECIFIC CONDITIONS:**

1. Tank No. A-16 shall not handle more than 8,000 gallons of gasoline additives during any 12 month period. The permittee shall maintain records that show the quantity of volatile organic compounds handled in this tank.

2. This tank shall comply with all the applicable requirements of 40 CFR 60, Subpart Kb-Standards of Performance for Volatile Organic Liquid Storage Vessels (July 1, 1988). Applicable sections are 40 CFR 60.116b, (a) and (b).

3. This storage tank may be in service continuously, 8,760 hours/year.

PERMITTEE:

Central Florida Pipeline Corp.

Permit No. AC 48-173939

Expiration Date: March 1, 1991

SPECIFIC CONDITIONS:

4. This tank shall be equipped with a pressure/vacuum vent. Any liquid leaks in the pump, piping, or tank, shall be repaired promptly.

5. This tank and associated equipment shall not discharge air pollutants which cause or contribute to an objectionable odor (F.A.C. Rule 17-2.620).

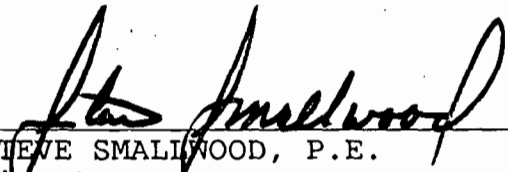
6. Volatile organic compounds emissions from this tank, as determined by the procedures described in AP-42, Compilation of Air Pollutant Emission Factors, Section 4.3, shall not exceed 0.003 TPY. If the parameters that the estimated emissions are based on change, the permittee shall recalculate the emissions from this tank and submit this data to the Department's Central District office.

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

8. An application for an operation permit must be submitted to the Department's Central 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).

Issued this 20<sup>th</sup> day  
of April, 1990

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

  
\_\_\_\_\_  
STEVE SMALLWOOD, P.E.  
Director  
Division of Air Resources  
Management



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 *Clair Fancy*  
DATE: April 20, 1990  
SUBJ: Approval of Permit Application  
Central Florida Pipeline Corporation

Attached for your approval and signature is a permit prepared by the Bureau of Air Regulation for the above mentioned company to construct a gasoline additive tank at the GATX terminal in Taft, Orange County, Florida.

Day 90, after which this permit will be issued by default, is June 15, 1990.

I recommend your approval and signature.

CF/WH/plm

Attachment



PM  
4-9-90  
Orlando, FL

*file copy*

CENTRAL FLORIDA PIPELINE CORPORATION  
subsidiary of  
GATX TERMINALS CORPORATION

1904 Hemlock Avenue  
Tampa, FL 33605  
813-248-8361

April 9, 1990

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

RECEIVED  
APR 16 1990  
DER-BAQM

Re: Central Florida Pipeline Corporation  
DER File No. AC48-173939 - Notice of Intent to Issue

Dear Mr. Thomas:

Pursuant to Section 403.815, F. S. and DER Rule 17-103.150, F. A. C., Central Florida Pipeline Corporation (CFPL) published the enclosed Notice of Intent to Issue Permit for the construction of gasoline additive Tank No. A-16 at the Taft, Florida terminal. The Notice was published in the April 4, 1990 issue of the Orlando Sentinel.

Please contact me with any questions or concerns you may have regarding this application.

Sincerely,

Elaine R. Macinski  
Environmental Engineer

ERM:mrr  
em-thom

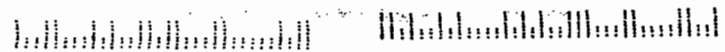
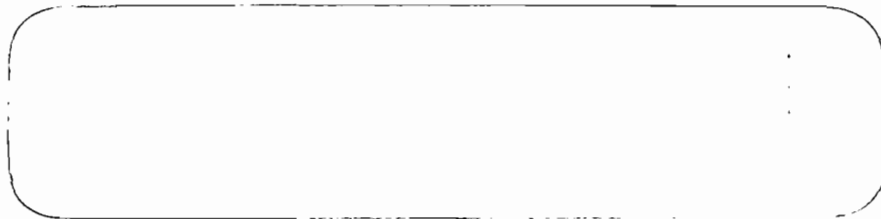
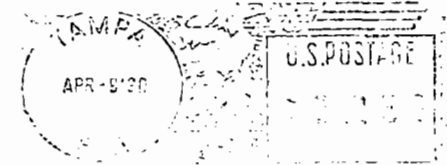
cc: C. Collins, FDER-Central District

*A. Hanks*



CENTRAL FLORIDA PIPELINE CORPORATION  
subsidiary of  
GATX TERMINALS CORPORATION

1904 Hemlock Avenue  
Tampa, Florida 33605-6632



**The Orlando Sentinel**

GATX APR 06 1990

Published Daily  
Orlando, Orange County, Florida

State of Florida ) ss.  
COUNTY OF ORANGE

Before the undersigned authority personally appeared \_\_\_\_\_

Virginia E. Skurow, who on oath says that

she is the Legal Advertising Representative of the Orlando Sentinel, a Daily newspaper published at Orlando, in Orange County, Florida; that the attached copy of advertisement, being a Notice of intent to issue permit in the matter of permit to Central Florida Pipeline Corporation

\_\_\_\_\_ in the \_\_\_\_\_ Court,

was published in said newspaper in the issues of \_\_\_\_\_  
April 4, 1990

Affiant further says that the said Orlando Sentinel is a newspaper published at Orlando, in said Orange County, Florida, and that the said newspaper has heretofore been continuously published in said Orange County, Florida, each Week Day and has been entered as second-class mail matter at the post office in Orlando, in said Orange 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/she 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.

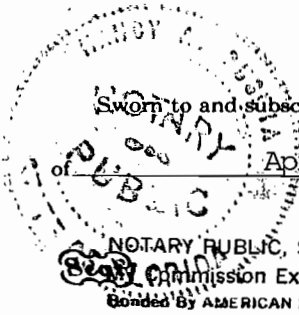
Virginia E. Skurow

Sworn to and subscribed before me this 4th day

April A.D., 19 90

Nancy L. Puglia

Notary Public



NOTARY PUBLIC, State of Florida et Large  
Commission Expires May 25, 1991  
Bonds By AMERICAN PIONEER CASUALTY INS. CO.

FORM NO. AD-262

ADVERTISING CHARGE \$168.68

State of Florida  
Department of Environmental  
Regulation

Notice of Intent to Issue Permit

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit to Central Florida Pipeline Corporation, 100 GATX Drive, Tampa, Florida 33605, to construct a 4,000 gallon horizontal gasoline additive tank No. A-16 at the GATX terminal located at 9919 Palm Avenue, Taft, Orange County, Florida. Total volatile organic compounds (VOC) emissions from tank No. A-16 are estimated to be 0.003 TPY. 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 may be affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within fourteen (14) days of publication of this notice. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;

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

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

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the 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 business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at: Department of Environmental Regulation  
Bureau of Air Regulation  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400  
Department of Environmental Regulation  
Central District  
3319 Maguire Blvd., Suite 232  
Orlando, Florida 32803-3767

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.

CL-383 Apr. 4, 1990



P 938 762 856

RECEIPT FOR CERTIFIED MAIL

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

PS Form 3800, June 1985

Sent to Mr. Ralph Baker, Central FL	
Street and No. 100 GATX Drive	Pipeline
P.O., State and ZIP Code Tampa, FL 33605	
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: 3-27-90 Permit: AC 48-173939	

● **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. Ralph Baker Manager of Florida Operations Central Florida Pipeline Corp. 100 GATX Drive Tampa, FL 33605	4. Article Number P 938 762 856
5. Signature - Address X <i>[Signature]</i>	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
6. Signature - Agent X GATX OFFICE MGR.	Always obtain signature of addressee or agent and DATE DELIVERED.
7. Date of Delivery 3-29-90	8. Addressee's Address (ONLY if requested and fee paid)



# 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

March 20, 1990

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

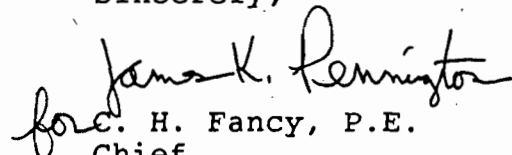
Mr. Ralph Baker  
Manager of Florida Operations  
Central Florida Pipeline Corporation  
100 GATX Drive  
Tampa, Florida 33605

Dear Mr Baker:

The attached copy of the Technical Evaluation and Preliminary Determination and proposed permit to construct gasoline additive tank No. A-16 at the GATX terminal in Taft, Orange County, Florida, replaces the one dated January 16, 1990.

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

Sincerely,

  
for J. H. Fancy, P.E.  
Chief  
Bureau of Air Regulation

CHF/WH/plm

Attachments

c: C. Collins, Central District  
Robert Wallace, P.E.

BEFORE THE STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

In the Matter of  
Application for Permit by:

Central Florida Pipeline Corp.  
100 GATX Drive  
Tampa, Florida 33605

DER File No. AC 48-173939

---

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, Central Florida Pipeline Corporation, applied on December 8, 1989, to the Department of Environmental Regulation for a permit to construct a gasoline additive tank No. A-16 at the GATX terminal located at 9919 Palm Avenue in Taft, Orange County, Florida.

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

Pursuant to Section 403.815, F.S. and DER Rule 17-103.150, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Notice of Intent to Issue Permit. The notice shall be published one time only within 30 days, in the legal ad section of a newspaper of general circulation in the area affected. For the purpose of this rule, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. The applicant shall provide proof of publication to the Department, at the address specified within seven days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit.

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

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

The Petition shall contain the following information;

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

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

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

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

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

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

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

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the application(s) 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* James K. Pennington  
C. H. Fancy, P.E.  
Chief  
Bureau of Air Regulation

Copies furnished to:

C. Collins, Central District  
Robert Wallace, P.E.

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 3-27-90.

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

Kim Zelen  
Clerk

3-27-90  
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 Central Florida Pipeline Corporation, 100 GATX Drive, Tampa, Florida 33605, to construct a 4,000 gallon horizontal gasoline additive tank No. A-16 at the GATX terminal located at 9919 Palm Avenue, Taft, Orange County, Florida. Total volatile organic compounds (VOC) emissions from tank No. A-16 are estimated to be 0.003 TPY. A determination of Best Available Control Technology (BACT) was not required. The Department is issuing this Intent to Issue for the reasons stated in the Technical Evaluation and Preliminary Determination.

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

The Petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the 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 business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

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

Department of Environmental Regulation  
Central District  
3319 Maguire Blvd., Suite 232  
Orlando, Florida 32803-3767

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

Central Florida Pipeline Corporation  
Taft, Orange County, Florida

Gasoline Additive Tank No. A-16  
File No. AC 48-173939

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

March 20, 1990

## I. Application

### A. Applicant

Central Florida Pipeline Corporation  
100 GATX Drive  
Tampa, Florida 33605

### B. Project and Location

Mr. Ralph Baker, Central Florida Pipeline Corporation's Manager of Florida Operations, submitted an application for permit to construct a 4,000 gallon horizontal gasoline additive tank No. A-16 on December 8, 1989. The application was revised by GATX on March 8, 1990. This tank will be installed at Central Florida Pipeline Corporation's terminal (SIC 5171) located at 9919 Palm Avenue, Taft, Orange County, Florida. The UTM coordinates of this site are Zone 17, 463.8 km E and 3143.8 km N.

Tank No. A-16 is an 4.5 ft. diameter by 24.5 ft. long horizontal tank with a pressure/vacuum vent. It has a capacity of 4,000 gallons. It will be used to store a gasoline additive. The Safety Data sheet for the additive is part of the application. Based on an annual throughput of 12,000 gallons, the volatile organic compounds (VOC) emissions (breathing + working losses) are estimated to be 6.9 lbs/yr (0.00345 TPY).

## II. Rule Applicability

The proposed project, construction of a gasoline additive tank No. A-16 at a petroleum product terminal (SIC 5171), is subject to preconstruction review under the provisions of Chapter 403, Florida Statutes, and Chapter 17-2, Florida Administrative Code (F.A.C.).

The source will be in an area designated maintenance for ozone (F.A.C. Rule 17-2.460) and attainment for the other criteria pollutants (F.A.C. Rule 17-2.420).

The terminal is a major facility because volatile organic compounds (VOC) emissions exceed 100 TPY. The proposed project will not cause a significant emission rate increase as defined by F.A.C. Rule 17-2, Table 500-2. Therefore, the project is not subject to prevention of significant deterioration regulations, F.A.C. Rule 17-2.500.

As the project results in an increase in VOC emissions, it is subject to F.A.C. Rule 17-2.520 (Sources Not Subject to Prevention of Significant Deterioration or Nonattainment Requirements), F.A.C. Rule 17-2.620 (General Pollutant Emission Limiting Standards), and F.A.C. Rule 17-2.660 (NSPS), specifically 40 CFR 60, Subpart Kb, Standard of Performance for VOC Storage Vessels.

### III. Technical Evaluation

An estimate of the total VOC emissions (breathing loss plus working loss) from the proposed tank was made by the applicant's engineer using the procedures given in AP-42, Compilation of Air Pollutant Emission Factors, Section 4.3, Storage of Organic Liquids.

A summary of the emissions from the proposed tank, based on a throughput of 12,000 gallons per year, is shown below:

#### VOC Emissions (lbs/yr)

<u>Breathing Loss</u>	<u>Working Loss</u>	<u>Total Loss</u>
2.6	4.3	6.9

### IV. Air Quality Analysis

It is the judgement of the Department that the estimated VOC emissions from the proposed tank will not cause or contribute to a violation of any ambient air quality standards.

### V. Conclusion

Based on the information provided by Central Florida Pipeline Corporation, the Department has reasonable assurance that the proposed project, construction of gasoline additive tank No. A-16, as described in this evaluation, and subject to the conditions proposed herein, will not cause or contribute to a violation of any air quality standard, PSD increment, or any other technical provision of Chapter 17-2 of the Florida Administrative Code.





# 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:  
Central Florida Pipeline Corp.  
100 GATX Drive  
Tampa, Florida 33605

Permit Number: AC 48-173939  
Expiration Date: March 1, 1991  
County: Orange  
Latitude/Longitude: 28°25'19"  
81°22'01"  
Project: Gasoline Additive Tank  
No. A-16

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

Install an 4,000 gallon horizontal gasoline additive tank No. A-16 (horizontal 4.5 ft. diameter x 24.5 ft. long) equipped with a pressure/vacuum vent at the GATX terminal (SIC 5171) located at 9919 Palm Avenue, Taft, Orange County, Florida. The UTM coordinates of this facility are Zone 17, 463.8 km E and 3143 km N.

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

Attachment:

1. Application received December 8, 1989.
2. GATX letter dated March 8, 1990.

**PERMITTEE:**  
Central Florida Pipeline Corp.

Permit No. AC 48-173939  
Expiration Date: March 1, 1991

**GENERAL CONDITIONS:**

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

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

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

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

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

PERMITTEE:  
Central Florida Pipeline Corp.

Permit No. AC 48-173939  
Expiration Date: March 1, 1991

GENERAL CONDITIONS:

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

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

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

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

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

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

PERMITTEE: Permit No. AC 48-173939  
Central Florida Pipeline Corp. Expiration Date: March 1, 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 for revocation of this permit.

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

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

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

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

13. This permit also constitutes:

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

14. The permittee shall comply with the following:

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

PERMITTEE:

Central Florida Pipeline Corp.

Permit No. AC 48-173939

Expiration Date: March 1, 1991

**GENERAL CONDITIONS:**

b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.

c. Records of monitoring information shall include:

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

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 corrected promptly.

**SPECIFIC CONDITIONS:**

1. Tank No. A-16 shall not handle more than 12,000 gallons of gasoline additives during any 12 month period. The permittee shall maintain records that show the quantity of volatile organic compounds handled in this tank.

2. This tank shall comply with all the applicable requirements of 40 CFR 60, Subpart Kb-Standards of Performance for Volatile Organic Liquid Storage Vessels (July 1, 1988). Applicable sections are 40 CFR 60.116b, (a) and (b).

3. This storage tank may be in service continuously, 8,760 hours/year.



PERMITTEE: Central Florida Pipeline Corp. Permit No. AC 48-173939 Expiration Date: March 1, 1991

SPECIFIC CONDITIONS:

4. This tank shall be equipped with a pressure/vacuum vent. Any liquid leaks in the pump, piping, or tank, shall be repaired promptly.
5. This tank and associated equipment shall not discharge air pollutants which cause or contribute to an objectionable odor (F.A.C. Rule 17-2.620).
6. Volatile organic compounds emissions from this tank, as determined by the procedures described in AP-42, Compilation of Air Pollutant Emission Factors, Section 4.3, shall not exceed 0.003 TPY. If the parameters that the estimated emissions are based on change, the permittee shall recalculate the emissions from this tank and submit this data to the Department's Central District office.
7. The permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the Bureau of Air Regulation prior to 60 days before the expiration of the permit (F.A.C. Rule 17-4.090).
8. An application for an operation permit must be submitted to the Department's Central 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).

Issued this \_\_\_\_\_ day  
of \_\_\_\_\_, 1990

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

---

Dale Twachtmann, Secretary



# Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

**PERMITTEE:**

Central Florida Pipeline Corp.  
100 GATX Drive  
Tampa, Florida 33605

**Permit Number:** AC 48-173939

**Expiration Date:** March 1, 1991

**County:** Orange

**Latitude/Longitude:** 28°25'19"  
81°22'01"

**Project:** Gasoline Additive Tank  
No. A-16

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

Install an 4,000 gallon horizontal gasoline additive tank No. A-16 (horizontal 4.5 ft. diameter x 24.5 ft. long) equipped with a pressure/vacuum vent at the GATX terminal (SIC 5171) located at 9919 Palm Avenue, Taft, Orange County, Florida. The UTM coordinates of this facility are Zone 17, 463.8 km E and 3143 km N.

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

**Attachment:**

1. Application received December 8, 1989.
2. GATX letter dated March 8, 1990.

**PERMITTEE:**

Central Florida Pipeline Corp.

Permit No. AC 48-173939

Expiration Date: March 1, 1991

**GENERAL CONDITIONS:**

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

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

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

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

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

**PERMITTEE:**

Central Florida Pipeline Corp.

Permit No. AC 48-173939

Expiration Date: March 1, 1991

**GENERAL CONDITIONS:**

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

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

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

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

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

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

PERMITTEE:

Central Florida Pipeline Corp.

Permit No. AC 48-173939

Expiration Date: March 1, 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 for revocation of this permit.

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

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

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

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

13. This permit also constitutes:

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

14. The permittee shall comply with the following:

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

PERMITTEE:  
Central Florida Pipeline Corp.

Permit No. AC 48-173939  
Expiration Date: March 1, 1991

**GENERAL CONDITIONS:**

b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.

c. Records of monitoring information shall include:

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

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 corrected promptly.

**SPECIFIC CONDITIONS:**

1. Tank No. A-16 shall not handle more than 12,000 gallons of gasoline additives during any 12 month period. The permittee shall maintain records that show the quantity of volatile organic compounds handled in this tank.

2. This tank shall comply with all the applicable requirements of 40 CFR 60, Subpart Kb-Standards of Performance for Volatile Organic Liquid Storage Vessels (July 1, 1988). Applicable sections are 40 CFR 60.116b, (a) and (b).

3. This storage tank may be in service continuously, 8,760 hours/year.

**PERMITTEE:**

Central Florida Pipeline Corp.

Permit No. AC 48-173939

Expiration Date: March 1, 1991

**SPECIFIC CONDITIONS:**

4. This tank shall be equipped with a pressure/vacuum vent. Any liquid leaks in the pump, piping, or tank, shall be repaired promptly.

5. This tank and associated equipment shall not discharge air pollutants which cause or contribute to an objectionable odor (F.A.C. Rule 17-2.620).

6. Volatile organic compounds emissions from this tank, as determined by the procedures described in AP-42, Compilation of Air Pollutant Emission Factors, Section 4.3, shall not exceed 0.003 TPY. If the parameters that the estimated emissions are based on change, the permittee shall recalculate the emissions from this tank and submit this data to the Department's Central District office.

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

8. An application for an operation permit must be submitted to the Department's Central 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).

Issued this \_\_\_\_\_ day  
of \_\_\_\_\_, 1990

**STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION**

---

Dale Twachtmann, Secretary



*new attach  
for*

CENTRAL FLORIDA PIPELINE CORPORATION  
subsidiary of  
GATX TERMINALS CORPORATION

1904 Hemlock Avenue  
Tampa, FL 33605  
813-248-8361

March 8, 1990

*AC48-173939*

Mr. Clair H. Fancy, P. E.  
Chief  
Bureau of Air Regulation  
Florida Department of Environmental Regulation  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

RECEIVED

MAR 12 1990

Re: Central Florida Pipeline Corporation  
DER File No. AC48-173939

DER-BAQM

Dear Mr. Fancy:

On January 16, 1990, Florida Department of Environmental Regulation issued the Technical Evaluation and Preliminary Determination and proposed permit to construct gasoline additive tank No. A-16 at the Central Florida Pipeline Corporation (CFPL) Taft, Florida terminal. Since that time, CFPL's customer utilizing this tank has changed the additive product to be stored, and the rate at which the product will be used. A Material Safety Data Sheet (MSDS) for the desired additive is provided herewith for your information.

Sections II and III of the permit application have been revised to reflect this additive. Three P. E.-stamped copies of these sections are also provided. By copy of this correspondence, one stamped copy is being forwarded to Mr. C. Collins, Central District. Based on the new product and revised calculations, CFPL has noted the necessary changes to the Notice of Intent to Issue, the Technical Evaluation and Preliminary Determination, and the draft Permit No. AC48-173939 (attached). A bar in the right margin of the page denotes the modifications.

Due to these changes, CFPL has not published the Notice of Intent to Issue this permit. It is understood that a revised Notice of Intent to Issue will be forthcoming from the FDER.

If you have any questions regarding this modification, please contact me at (813) 241-1125 or 248-2148.

Sincerely,

Elaine R. Macinski  
Environmental Engineer

cc: C. Collins, Central District





USA and WORLDWIDE

# Material Safety Data Sheet

## SUPER CLEAN<sup>®</sup> UNLEADED GASOLINE ADDITIVE SYSTEM

PHILLIPS 66 COMPANY  
A Subsidiary of Phillips Petroleum Company  
Bartlesville, Oklahoma 74004

Emergency Phone Numbers:  
Business Hours (918)661-3865  
After Hours (918)661-8118  
General MSDS Information:  
(918)661-8327

### A. Product Identification

Synonyms: Gasoline Additive  
Chemical Name: Mixture  
Chemical Family: Mixture  
Chemical Formula: Mixture  
CAS Reg. No.: Mixture  
Product No.: Not Established

Product and/or Components Entered on EPA's TSCA Inventory: YES

This product has been commercially introduced into U.S. commerce, and is listed in the Toxic Substances Control Act (TSCA) Inventory of Chemicals in Commerce; hence, it is subject to all applicable provisions and restrictions under TSCA 40 CFR, section 721 and 723.250.

### B. Hazardous Components

Ingredients	CAS Number	% By Wt.	OSHA PEL	ACGIH TLV
Mixed Xylenes	1330-20-7	34-38	100 ppm	100 ppm
Ethylbenzene	100-41-4	5-8	100 ppm	100 ppm
Isooctyl Alcohol	26952-21-6	> 1	50 ppm	50 ppm
Proprietary Compounds	Various	55-60	NE	NE

NA - Not Applicable    NE - Not Established

## ***C. Personal Protection Information***

**Ventilation:** Use adequate ventilation to control exposure below recommended levels.

**Respiratory Protection:** For concentrations exceeding the recommended exposure level use NIOSH/MSHA approved organic vapor respirator. In case of spill or leak resulting in unknown concentration, use NIOSH/MSHA approved supplied air respirator.

**Eye Protection:** Use chemical goggles. For splash protection, use face shield with chemical goggles.

**Skin Protection:** Use disposable garments or decontaminate before reuse. Use gloves of Neoprene or Nitrile rubber construction. Use boots impervious to the material. (DO NOT WEAR LEATHER BOOTS.)

**NOTE:** Personal protection information shown in Section C is based upon general information as to normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the expert assistance of an industrial hygienist or other qualified professional be sought.

## ***D. Handling and Storage Precautions***

Do not breathe vapors. Do not get in eyes, on skin or on clothing. Use only with adequate ventilation. Wear protective equipment and/or garments described in Section C if exposure conditions warrant. Wash thoroughly after handling. Launder contaminated clothing before reuse.

Store in a cool, well-ventilated area away from ignition sources. Provide means of controlling leaks and spills. Bond and ground during liquid transfer. Keep containers closed.

## ***E. Reactivity Data***

**Stability:** Stable  
**Conditions to Avoid:** Not Applicable  
**Incompatibility (Materials to Avoid):** Oxygen and strong oxidizing agents and Halogens(chlorine)

**Hazardous Polymerization:** Will Not Occur  
**Conditions to Avoid:** Not Applicable  
**Hazardous Decomposition Products:** Carbon and nitrogen oxides formed when burned.

## ***F. Health Hazard Data***

### **Recommended Exposure Limits:**

See Section B.

## Acute Effects of Overexposure:

- Eye:** May cause severe irritation, redness, and possible damage.
- Skin:** May cause irritation to the skin. May be absorbed through skin in harmful amounts if contact is prolonged.
- Inhalation:** High vapor concentrations in air can cause eye, nasal and respiratory irritation, dizziness, disorientation, headache, excitation, tremors, convulsions, nausea, and cardiac stress possibly due to sensitization.
- Ingestion:** May cause nausea, diarrhea, rapid respiration, central nervous system depression, respiratory changes. May be aspirated into lungs if swallowed resulting in pulmonary edema and chemical pneumonitis.

## Subchronic and Chronic Effects of Overexposure:

Liver and kidney changes have been noted in long term studies in animals exposed to xylenes and ethylbenzene. Fetotoxicity has been observed in animals exposed during pregnancy to mixed xylenes and ethylbenzene.

Long term overexposure to xylene vapor has been reported to cause liver and kidney effects, possibly anemia, conjunctivitis, and central nervous system effects.

## Other Health Effects:

Blood changes in animals exposed to xylene may reflect a mild toxicity to the hematopoietic system due to Benzene contamination.

## Health Hazard Categories:

	Animal	Human		Animal	Human
Known Carcinogen	___	___	Toxic	___	___
Suspect Carcinogen	___	___	Corrosive	___	___
Mutagen	___	___	Irritant	<u>X</u>	<u>X</u>
Teratogen	___	___	Target Organ Toxin	<u>X</u>	<u>X</u>
Allergic Sensitizer	___	___	Specify - Lungs-Aspiration Hazard		
Highly Toxic	___	___	Reproductive Toxin-Animals		
			Liver and Kidney Toxin		
			Lung-Irritant		

## First Aid and Emergency Procedures:

**Eye:** Immediately flush eyes with tap water for fifteen minutes. Seek medical assistance.

**Skin:** Immediately wash with soap and water for at least fifteen minutes. If illness or adverse symptoms develop, seek medical assistance.

**Inhalation:** Remove from exposure. If breathing is difficult give oxygen and seek medical assistance. If breathing ceases administer artificial respiration followed by oxygen. Seek medical attention.

**Ingestion:** Do not induce vomiting. Seek immediate medical assistance.

**Note to Physician:** Gastric lavage using a cuffed endotracheal tube may be performed at your discretion.

## G. Physical Data

Appearance: Dark Liquid  
Odor: Mild  
Boiling Point: 280F (138C)  
Vapor Pressure: 0.3 psia @ 100F (37.8C)  
Vapor Density (Air = 1): Not Established  
Solubility in Water: Negligible  
Specific Gravity (H<sub>2</sub>O = 1): 0.89 at 60F (15.6C)  
Percent Volatile by Volume: 50  
Evaporation Rate (Butyl Acetate = 1): < 1  
Viscosity: 66 SUS at 100F (37.8C)

## H. Fire and Explosion Data

Flash Point (Method Used): 97F (36C) (PMCC, ASTM D93)  
Flammable Limits (% by Volume in Air): LEL - Not Established  
UEL - Not Established

Fire Extinguishing Media: Dry chemical, foam or carbon dioxide (CO<sub>2</sub>)

Special Fire Fighting Procedures: Evacuate area of all unnecessary personnel. Shut off source, if possible. Wear appropriate safety equipment for fire conditions including NIOSH/MSHA approved self-contained breathing apparatus (SCBA). Water fog or spray may be used to cool exposed containers and equipment and to disperse flammable vapors. Avoid spreading burning liquid with water used for cooling purposes.

Fire and Explosion Hazards: Carbon and nitrogen oxides formed when burned. Flammable vapors which are heavier than air may accumulate in low areas and/or spread along ground away from handling site. Flashback along vapor trail may occur. Vapor may explode if ignited in an enclosed area.

## ***I. Spill, Leak and Disposal Procedures***

### **Precautions Required if Material is Released or Spilled:**

Evacuate area of all unnecessary personnel. Wear protective equipment and/or garments described in Section C if exposure conditions warrant. Shut off source if possible and contain spill. Protect from ignition. Keep out of water sources and sewers. Absorb in dry, inert material. Transfer to sealable disposal drum using non-sparking equipment.

**Waste Disposal (Insure Conformity with all Applicable Disposal Regulations):**  
Incinerate or otherwise manage in a RCRA permitted waste management facility.

## ***J. DOT Transportation***

Shipping Name: Flammable Liquid, n.o.s.  
(contains Dimethylbenzene and Ethylbenzene)  
Hazard Class: Flammable Liquid  
ID Number: UN 1993  
Marking: Flammable Liquid, n.o.s. (contains Dimethylbenzene and Ethylbenzene), UN 1993, and "This End Up" on packages containing inside packaging, for non-bulk packaging; 1993 for bulk containers.  
Label: Flammable Liquid  
Placard: Flammable/1993  
Hazardous Substance/RQ: Mixed Xylene (Dimethylbenzene)/1000#;  
Ethylbenzene/1000#  
Shipping Description: Flammable Liquid, n.o.s. (contains Dimethylbenzene and Ethylbenzene), UN 1993, RQ\*  
Packaging References: 49 CFR 173.118 and 173.119

\* Include the letters "RQ" as shown above if either of the Hazardous Substances listed are present in a quantities, in one package, which equal or exceed the reportable quantities (RQ's) shown for the substances.

## ***K. RCRA Classification - Unadulterated Product as a Waste***

D001 (Ignitable)

## ***L. Protection Required for Work on Contaminated Equipment***

Contact immediate supervisor for specific instructions before work is initiated. Wear protective equipment and/or garments described in Section C if exposure conditions warrant.

## M. Hazard Classification

This product meets the following hazard definition(s) as defined by the Occupational Safety and Health Hazard Communication Standard (29 CFR Section 1910.1200):

<input type="checkbox"/> Combustible Liquid	<input type="checkbox"/> Flammable Aerosol	<input type="checkbox"/> Oxidizer
<input type="checkbox"/> Compressed Gas	<input type="checkbox"/> Explosive	<input type="checkbox"/> Pyrophoric
<input type="checkbox"/> Flammable Gas	<input checked="" type="checkbox"/> Health Hazard (Section F)	<input type="checkbox"/> Unstable
<input checked="" type="checkbox"/> Flammable Liquid	<input type="checkbox"/> Organic Peroxide	<input type="checkbox"/> Water Reactive
<input type="checkbox"/> Flammable Solid		

Based on information presently available, this product does not meet any of the hazard definitions of 29 CFR Section 1910.1200.

## N. Additional Comments

This product contains the following chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372. See Section B.

Mixed Xylenes  
Ethylbenzene

---

Phillips believes that the information contained herein (including data and statements) is accurate as of the date hereof. NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE AS CONCERNS THE INFORMATION HEREIN PROVIDED. The information provided herein relates only to the specific product designated and may not be valid where such product is used in combination with any other materials or in any process. Further, since the conditions and methods of use of the product and information referred to herein are beyond the control of Phillips (references to Phillips including its divisions, affiliates, and subsidiaries) Phillips expressly disclaims any and all liability as to any results obtained or arising from any use of the product or such information. No statement made herein shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents.

NA - Not Applicable      NE - Not Established

SECTION II

GENERAL PROJECT INFORMATION

QUESTION A:

GATX Terminals Corporation proposes to construct a 4,000 gallon tank which will contain Super Clean Unleaded Gasoline Additive System. The tank has been designated A-16. A Material Safety Data Sheet for additive is attached.

The tank will be in compliance with FDER Rule 17-2.

Upon completion of construction GATX Terminals Corporation desires to include this tank under the existing terminal tankage permit by amendment.

  
ROBERT E. WALLER  
CERTIFICATE  
STATE OF FLORIDA  
REGISTERED ENGINEER  
12/26/80

SECTION III C: Emission Calculations Based on AP-42  
Tank A-16

Fixed Roof Tank Breathing Loss:  $L_B$  (lbs./yr.)

$$L_B = 2.26 \times 10^{-2} M_v \left[ \frac{P}{P_A - P} \right]^{0.68} D^{1.73} H^{0.51} T^{0.5} F_p C K_C$$

where:

$M_v$  = molecular weight (lb./lb. mole) for xylene = 106

$P_A$  = average atm. pressure (psia) = 14.7

$P$  = true vapor pressure (psia) = 0.14

$D$  = tank diameter (ft) = 4.5

$H$  = average height of vapor space (ft) = 1.1

$T$  = average ambient diurnal temperature ( $^{\circ}F$ ) = 18.7

$F_p$  = paint factor = 1.0

$C$  = adjustment factor small diameter tanks = 0.41

$K_C$  = product factor = 1

therefore:

$$L_B = .0226 \times 106 \left[ \frac{0.14}{14.7 - 0.14} \right]^{0.68} \times 4.5^{1.73} \times 1.1^{0.51} \times 18.7^{0.5} \\ \times 1.0 \times 0.41 \times 1$$

$$L_B = 2.6 \text{ lbs./yr.}$$

Revised 2-6-90 for different additive.

  
ROBERT E. WILLIAMS  
REGISTERED PROFESSIONAL ENGINEER  
FLORIDA  
2/6/90



SECTION III C: Emission Calculations Based on AP-42  
Tank A-16 (continued)

Fixed Roof Tank Working Losses:  $L_W$  (lbs./yr.)

$$L_W = 2.40 \times 10^{-5} M_V P V N K_N K_C$$

where:

$$V = \text{tank capacity (gal)} = 4,000$$

$$N = \text{number of turnovers/yr} = 3.0$$

$$K_N = \text{turnover factor} = 1.0$$

therefore:

$$L_W = 2.40 \times 10^{-5} \times 106 \times 0.14 \times 4,000 \times 3.0 \times 1.0 \times 1.0$$

$$L_W = 4.3 \text{ lbs. yr.}$$

Actual emissions are equal to potential emission for this source.

Total Emissions:  $L_T$

$$L_T = L_W + L_B$$

$$L_T = 2.6 \text{ lbs/yr} + 4.3 \text{ lbs/yr} = 6.9 \text{ lbs/yr.}$$


$$= 0.003 \text{ TPY}$$

Average hourly emissions based on 8760 hrs./yr.

$$L_T = 5.5 \text{ lbs/yr.} \times 1 \text{ yr./8760 hrs.} = 0.001 \text{ lbs./hr.}$$

Revised 2-6-90 for increased throughput. Does not change the values in Section III C of the application.

ROBERT E. DILLAGE III  
CERTIFICATE HOLDER  
STATE OF  
REGISTERED ENGINEER  
2/6/90



P 938 762 810

**RECEIPT FOR CERTIFIED MAIL**

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

PS Form 3800, June 1985

Sent to Mr. Ralph Baker, Central FL	
Street and No. 100 GATX Dr.	Pipeline Corp
P.O., State and ZIP Code Tampa, FL 33605	
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: 1-19-90 Permit: AC 48-173939	

**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. Ralph Baker Manager of Florida Operations Central Florida Pipeline Corp. 100 GATZ Drive Tampa, FL 33605	4. Article Number P 938 762 810 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
5. Signature - Address X	Always obtain signature of addressee or agent and <u>DATE DELIVERED</u> .
6. Signature - Agent X <i>Sandy Williams</i>	8. Addressee's Address (ONLY if requested and fee paid)
7. Date of Delivery <i>1-22-90</i>	



# 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

January 16, 1990

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

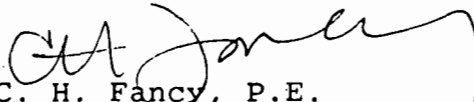
Mr. Ralph Baker  
Manager of Florida Operations  
Central Florida Pipeline Corporation  
100 GATX Drive  
Tampa, Florida 33605

Dear Mr Baker:

Attached is one copy of the Technical Evaluation and Preliminary Determination and proposed permit to construct gasoline additive tank No. A-16 at the GATX terminal in Taft, Orange 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 Regulation.

Sincerely,

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

CHF/WH/plm

Attachments

c: C. Collins, Central District  
Robert Wallace, P.E.

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 1-19-90.

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

Kim Deber  
Clerk

1-19-90  
Date

BEFORE THE STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

In the Matter of  
Application for Permit by:

Central Florida Pipeline Corp.  
100 GATX Drive  
Tampa, Florida 33605

DER File No. AC 48-173939

---

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, Central Florida Pipeline Corporation, applied on December 8, 1989, to the Department of Environmental Regulation for a permit to construct a gasoline additive tank No. A-16 at the GATX terminal located at 9919 Palm Avenue in Taft, Orange County, Florida.

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

Pursuant to Section 403.815, F.S. and DER Rule 17-103.150, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Notice of Intent to Issue Permit. The notice shall be published one time only within 30 days, in the legal ad section of a newspaper of general circulation in the area affected. For the purpose of this rule, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. The applicant shall provide proof of publication to the Department, at the address specified within seven days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit.

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

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

The Petition shall contain the following information;

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

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

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

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

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

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

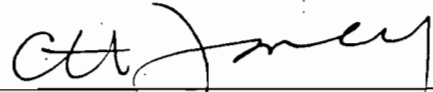
(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the application(s) 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



---

C. H. Fancy, P.E.

Chief

Bureau of Air Regulation

Copies furnished to:

C. Collins, Central District  
Robert Wallace, P.E.

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 Central Florida Pipeline Corporation, 100 GATX Drive, Tampa, Florida 33605, to construct a 4,000 gallon horizontal gasoline additive tank No. A-16 at the GATX terminal located at 9919 Palm Avenue, Taft, Orange County, Florida. Total volatile organic compounds (VOC) emissions from tank No. A-16 are estimated to be less than 0.003 TPY. A determination of Best Available Control Technology (BACT) was not required. The Department is issuing this Intent to Issue for the reasons stated in the Technical Evaluation and Preliminary Determination.

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

The Petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.



If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the 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 business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

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

Department of Environmental Regulation  
Central District  
3319 Maguire Blvd., Suite 232  
Orlando, Florida 32803-3767

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

Central Florida Pipeline Corporation  
Taft, Orange County, Florida

Gasoline Additive Tank No. A-16  
File No. AC 48-173939

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

January 16, 1990

## I. Application

### A. Applicant

Central Florida Pipeline Corporation  
100 GATX Drive  
Tampa, Florida 33605

### B. Project and Location

Mr. Ralph Baker, Central Florida Pipeline Corporation's Manager of Florida Operations, submitted an application for permit to construct a 4,000 gallon horizontal gasoline additive tank No. A-16 on December 8, 1989. The application was considered complete on receipt by the Department. This tank will be installed at Central Florida Pipeline Corporation's terminal (SIC 5171) located at 9919 Palm Avenue, Taft, Orange County, Florida. The UTM coordinates of this site are Zone 17, 463.8 km E and 3143.8 km N.

Tank No. A-16 is an 4.5 ft. diameter by 24.5 ft. long horizontal tank with a pressure/vacuum vent. It has a capacity of 4,000 gallons. It will be used to store a gasoline additive. The Safety Data sheet for the additive is part of the application. Based on an annual throughput of 8,000 gallons, the volatile organic compounds (VOC) emissions (breathing + working losses) are estimated to be 4.3 lbs/yr (0.0022 TPY).

## II. Rule Applicability

The proposed project, construction of a gasoline additive tank No. A-16 at a petroleum product terminal (SIC 5171), is subject to preconstruction review under the provisions of Chapter 403, Florida Statutes, and Chapter 17-2, Florida Administrative Code (F.A.C.).

The source will be in an area designated maintenance for ozone (F.A.C. Rule 17-2.460) and attainment for the other criteria pollutants (F.A.C. Rule 17-2.420).

The terminal is a major facility because volatile organic compounds (VOC) emissions exceed 100 TPY. The proposed project will not cause a significant emission rate increase as defined by F.A.C. Rule 17-2, Table 500-2. Therefore, the project is not subject to prevention of significant deterioration regulations, F.A.C. Rule 17-2.500.

As the project results in an increase in VOC emissions, it is subject to F.A.C. Rule 17-2.520 (Sources Not Subject to Prevention of Significant Deterioration or Nonattainment Requirements), F.A.C. Rule 17-2.620 (General Pollutant Emission Limiting Standards), and F.A.C. Rule 17-2.660 (NSPS), specifically 40 CFR 60, Subpart Kb, Standard of Performance for VOC Storage Vessels.

III. Technical Evaluation

An estimate of the total VOC emissions (breathing loss plus working loss) from the proposed tank was made by the applicant's engineer using the procedures given in AP-42, Compilation of Air Pollutant Emission Factors, Section 4.3, Storage of Organic Liquids.

A summary of the emissions from the proposed tank, based on a throughput of 8,000 gallons per year, is shown below:

VOC Emissions (lbs/yr)

<u>Breathing Loss</u>	<u>Working Loss</u>	<u>Total Loss</u>
1.4	2.9	4.3

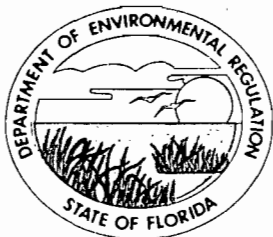
IV. Air Quality Analysis

It is the judgement of the Department that the estimated VOC emissions from the proposed tank will not cause or contribute to a violation of any ambient air quality standards.

V. Conclusion

Based on the information provided by Central Florida Pipeline Corporation, the Department has reasonable assurance that the proposed project, construction of gasoline additive tank No. A-16, as described in this evaluation, and subject to the conditions proposed herein, will not cause or contribute to a violation of any air quality standard, PSD increment, or any other technical provision of Chapter 17-2 of the Florida Administrative Code.





# 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

**PERMITTEE:**  
Central Florida Pipeline Corp.  
100 GATX Drive  
Tampa, Florida 33605

Permit Number: AC 48-173939  
Expiration Date: March 1, 1991  
County: Orange  
Latitude/Longitude: 28°25'19"  
81°22'01"  
Project: Gasoline Additive Tank  
No. A-16

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

Install an 4,000 gallon horizontal gasoline additive tank No. A-16 (horizontal 4.5 ft. diameter x 24.5 ft. long) equipped with a pressure/vacuum vent at the GATX terminal (SIC 5171) located at 9919 Palm Avenue, Taft, Orange County, Florida. The UTM coordinates of this facility are Zone 17, 463.8 km E and 3143 km N.

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

**Attachment:**

1. Application received December 8, 1989.

PERMITTEE: Permit No. AC 48-173939  
Central Florida Pipeline Corp. Expiration Date: March 1, 1991

**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.

PERMITTEE:  
Central Florida Pipeline Corp.

Permit No. AC 48-173939  
Expiration Date: March 1, 1991

GENERAL CONDITIONS:

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

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

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

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

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

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

PERMITTEE: Permit No. AC 48-173939  
Central Florida Pipeline Corp. Expiration Date: March 1, 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 for revocation of this permit.

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

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

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

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

13. This permit also constitutes:

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

14. The permittee shall comply with the following:

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



PERMITTEE:  
Central Florida Pipeline Corp.

Permit No. AC 48-173939  
Expiration Date: March 1, 1991

**GENERAL CONDITIONS:**

- b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
- c. Records of monitoring information shall include:
  - the date, exact place, and time of sampling or measurements;
  - the person responsible for performing the sampling or measurements;
  - the dates analyses were performed;
  - the person responsible for performing the analyses;
  - the analytical techniques or methods used; and
  - the results of such analyses.

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 corrected promptly.

**SPECIFIC CONDITIONS:**

1. Tank No. A-16 shall not handle more than 8,000 gallons of gasoline additives during any 12 month period. The permittee shall maintain records that show the quantity of volatile organic compounds handled in this tank.

2. This tank shall comply with all the applicable requirements of 40 CFR 60, Subpart Kb-Standards of Performance for Volatile Organic Liquid Storage Vessels (July 1, 1988). Applicable sections are 40 CFR 60.116b, (a) and (b).

3. This storage tank may be in service continuously, 8,760 hours/year.

PERMITTEE:  
Central Florida Pipeline Corp.

Permit No. AC 48-173939  
Expiration Date: March 1, 1991

**SPECIFIC CONDITIONS:**

4. This tank shall be equipped with a pressure/vacuum vent. Any liquid leaks in the pump, piping, or tank, shall be repaired promptly.

5. This tank and associated equipment shall not discharge air pollutants which cause or contribute to an objectionable odor (F.A.C. Rule 17-2.620).

6. Volatile organic compounds emissions from this tank, as determined by the procedures described in AP-42, Compilation of Air Pollutant Emission Factors, Section 4.3, shall not exceed 0.003 TPY. If the parameters that the estimated emissions are based on change, the permittee shall recalculate the emissions from this tank and submit this data to the Department's Central District office.

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

8. An application for an operation permit must be submitted to the Department's Central 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).

Issued this \_\_\_\_\_ day  
of \_\_\_\_\_, 1990

**STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION**

\_\_\_\_\_  
Dale Twachtmann, Secretary



CENTRAL FLORIDA PIPELINE CORPORATION  
subsidiary of  
GATX TERMINALS CORPORATION

1904 Hemlock Avenue  
Tampa, FL 33605  
813-248-8866

December 8, 1989



Mr. Charles M. Collins, P. E.  
Central Florida District  
Florida Department of Environmental Regulation  
3319 Maguire Boulevard  
Orlando, Florida 32803

Re; Central Florida Pipeline Corporation  
Application to Construct Air Pollution Sources

Dear Mr. Collins:

Central Florida Pipeline Corporation (CFPL), a wholly owned subsidiary of GATX Terminals Corporation (GATX), proposes the construction of a 4,000 gallon horizontal tank to contain gasoline additive at its Taft, Florida terminal. This tank has been designated A-16.

Upon completion of construction, CFPL desires to include this tank under the existing terminal tankage permit (Permit No. A048-126129) by amendment.

Provided for your review and approval are four (4) copies of the following:

- 1) Florida Department of Environmental Regulation Application to Construct Air Pollution Sources (DER Form 17-1.202 (1)).
- 2) Emissions Calculations.
- 3) Location Maps.
- 4) Flow Diagram.

Central Florida Pipeline Corporation check number 4609 in the amount of \$200 for the application fee is also provided herewith.

Mr. Charles M. Collins  
Dec. 8, 1989  
Page 2

Please contact me at (813) 241-1125 or 248-2148 with any questions or concerns regarding this application.

Sincerely,



Elaine R. Macinski  
Environmental Engineer

ERM:mrr  
em-tank

Attachments



## Florida Department of Environmental Regulation

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

### Permit Data Form

Project Source Name Central Fla Pipeline / Gas Add. Tank

Type Code: \_\_\_\_\_ Subcode \_\_\_\_\_ Check if:  GP  Exempt Correct Fee \_\_\_\_\_

Amount Received \_\_\_\_\_

Permit Processor's Initial \_\_\_\_\_ Data Entry Operator's Initial \_\_\_\_\_ Amount Refund \_\_\_\_\_

Comments:

*Major facility which should go to permitting in Tally. Adz*



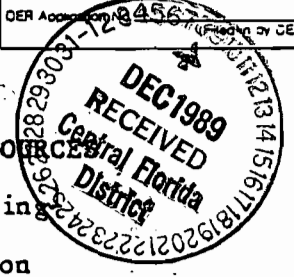
Florida Department of Environmental Regulation

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

\$200 pd.  
1208-84  
Recpt. #117683

DER Form # \_\_\_\_\_  
Form Title \_\_\_\_\_  
Effective Date \_\_\_\_\_  
DER Application # 184567 (Filed by DER)

AC 48-173939



APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCE

SOURCE TYPE: Gasoline Additive Tank  New<sup>1</sup>  Existing

APPLICATION TYPE:  Construction  Operation  Modification

COMPANY NAME: Central Florida Pipeline Corporation COUNTY: Orange

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) Tank A-16

SOURCE LOCATION: Street 9919 Palm Avenue City Taft

UTM: East 17-463.8 km North 3143.8 km

Latitude 28 ° 25 ' 19 "N Longitude 81 ° 22 ' 01 "W

APPLICANT NAME AND TITLE: Ralph Baker, Manager of Florida Operations

APPLICANT ADDRESS: 100 GATX Drive, Tampa, Florida 33605

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative\* of GATX Terminals Corporation

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

\*Attach letter of authorization

Signed: [Signature]  
Ralph Baker, Manager of Florida Operations  
Name and Title (Please Type)

Date: 12/7/89 Telephone No. 813/248-2148

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 Robert E. Wallace III

Robert E. Wallace III, P.E., President  
Name (Please Type)

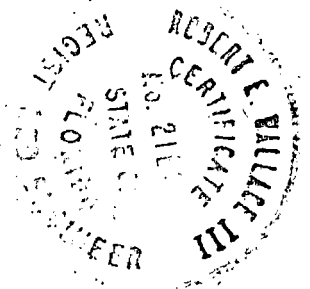
Environmental Engineering Consultants, Inc.

Company Name (Please Type)

5119 N. Florida Avenue, Tampa, Florida 33603

Mailing Address (Please Type)

Florida Registration No. 21608 Date: 12/4/89 Telephone No. 813/237-3781



**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.

See Attached Sheet

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

Start of Construction upon receipt of permit Completion of Construction Within one year

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.

New Source - no previous permit

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

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

1. Is this source in a non-attainment area for a particular pollutant? yes  
a. If yes, has "offset" been applied? no  
b. If yes, has "Lowest Achievable Emission Rate" been applied? no  
c. If yes, list non-attainment pollutants. VOC's

2. Does best available control technology (BACT) apply to this source? no  
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. no

4. Do "Standards of Performance for New Stationary Sources" (NSPS) apply to this source? no

5. Do "National Emission Standards for Hazardous Air Pollutants" (NESHAP) apply to this source? no

H. Do "Reasonably Available Control Technology" (RACT) requirements apply to this source? no

a. If yes, for what pollutants? \_\_\_\_\_

b. If yes, in addition to the information required in this form, any information requested in Rule 17-2.650 must be submitted.

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

\*Areas recently designated an "Air Quality Maintenance Area" by FDER.



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

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

Description	Contaminants		Utilization Rate - lbs/hr	Relate to Flow Diagram
	Type	% Wt		

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

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

2. Product Weight (lbs/hr): For throughput of tank, see calculations sheet.

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 Emission Rate per Rule 17-2	Allowable <sup>3</sup> Emission lbs/hr	Potential <sup>4</sup> * Emission		Relate to Flow Diagram
	Average lbs/hr	Actual T/yr			lbs/yr (average)	T/yr	
VOC's	0.001	0.003	N/A	N/A	0.001	0.003	N/A

<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).

\*Potential Emission as defined in Rule 17-2.

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)
Pressure/Vac. Vent	VOC's	N/A	N/A	N/A

E. Fuels N/A

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: N/A

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. N/A

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

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

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

Stack Height: \_\_\_\_\_ ft. Stack Diameter: \_\_\_\_\_ ft.

Gas Flow Rate: \_\_\_\_\_ ACFM \_\_\_\_\_ DSCFM Gas Exit Temperature: \_\_\_\_\_ °F.

Water Vapor Content: \_\_\_\_\_ % Velocity: \_\_\_\_\_ FPS

**SECTION IV: INCINERATOR INFORMATION** N/A

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)]  
See calculations.
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.  
See calculations.
3. Attach basis of potential discharge (e.g., emission factor, that is, AP42 test).  
See calculations.
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.) See drawing.
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). See calculation.
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. See attached.
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).  
See attached.
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.  
See attached.

9. The appropriate application fee in accordance with Rule 17-4.05. The check should be made payable to the Department of Environmental Regulation. Attached.

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. N/A

**SECTION VI: BEST AVAILABLE CONTROL TECHNOLOGY** N/A

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

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

Contaminant	Rate or Concentration

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

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

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

1. Control Device/System:

2. Operating Principles:

3. Efficiency:\*

4. Capital Costs:

\*Explain method of determining

5. Useful Life:

6. Operating Costs:

7. Energy:

8. Maintenance Cost:

9. Emissions:

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

10. Stack Parameters

- a. Height: ft.
- b. Diameter: ft.
- c. Flow Rate: ACFM
- d. Temperature: °F.
- e. Velocity: FPS

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

1.

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

2.

- a. Control Device:
- b. Operating Principles:
- c. Efficiency:<sup>1</sup>
- d. Capital Cost:
- e. Useful Life:
- f. Operating Cost:
- g. Energy:<sup>2</sup>
- h. Maintenance Cost:
- i. Availability of construction materials and process chemicals:

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

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

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

3.

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

4.

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

F. Describe the control technology selected:

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

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

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

(5) Environmental Manager:

(6) Telephone No.:

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

Contaminant

Rate or Concentration

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

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 N/A

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.

SECTION II

GENERAL PROJECT INFORMATION

QUESTION A:

GATX Terminals Corporation proposes to construct a 4,000 gallon tank which will contain Phil-Ad CD Additive. The tank has been designated A-16. A Material Safety Data Sheet for additive is attached.

The tank will be in compliance with FDER Rule 17-2.

Upon completion of construction GATX Terminals Corporation desires to include this tank under the existing terminal tankage permit by amendment.

SECTION III C: Emission Calculations Based on AP-42  
Tank A-16

Fixed Roof Tank Breathing Loss:  $L_B$  (lbs./yr.)

$$L_B = 2.26 \times 10^{-2} M_V \left[ \frac{P}{P_A - P} \right]^{0.68} D^{1.73} H^{0.51} T^{0.5} F_P C K_C$$

where:

$M_V$  = molecular weight (lb./lb. mole) for ethylbenzene = 106

$P_A$  = average atm. pressure (psia) = 14.7

$P$  = true vapor pressure (psia) for ethylbenzene = 0.14 @  
68°F

$D$  = tank diameter (ft) = 4.5

$H$  = average height of vapor space (ft) = 1.1

$T$  = average ambient diurnal temperature (°F) = 18.7

$F_P$  = paint factor = 1.0

$C$  = adjustment factor small diameter tanks = 0.41

$K_C$  = product factor = 1

therefore:

$$L_B = .0226 \times 106 \left[ \frac{0.14}{14.7 - 0.14} \right]^{0.68} \times 4.5^{1.73} \times 1.1^{0.51} \times 18.7^{0.5} \\ \times 1.0 \times 0.41 \times 1$$

$$L_B = 2.6 \text{ lbs./yr.}$$

SECTION III C: Emission Calculations Based on AP-42  
Tank A-16 (continued)

Fixed Roof Tank Working Losses:  $L_W$  (lbs./yr.)

$$L_W = 2.40 \times 10^{-5} M_V P V N K_N K_C$$

where:

$$V = \text{tank capacity (gal)} = 4,000$$

$$N = \text{number of turnovers/yr} = 2.0$$

$$K_N = \text{turnover factor} = 1.0$$

therefore:

$$L_W = 2.40 \times 10^{-5} \times 106 \times 0.14 \times 4,000 \times 2.0 \times 1.0 \times 1.0$$

$$L_W = 2.9 \text{ lbs. yr.}$$

Actual emissions are equal to potential emission for this source.

Total Emissions:  $L_T$

$$L_T = L_W + L_B$$

$$L_T = 2.6 \text{ lbs/yr} + 2.9 \text{ lbs/yr} = 5.5 \text{ lbs/yr.}$$

$$= 0.003 \text{ TPY}$$

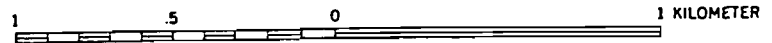
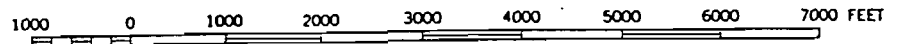
Average hourly emissions based on 8760 hrs./yr.

$$L_T = 5.5 \text{ lbs/yr.} \times 1 \text{ yr./8760 hrs.} = 0.001 \text{ lbs./hr.}$$

# PINE CASTLE, FLA.

N2822.5-W8115/7.5

1953  
PHOTOREVISED 1970  
AMS 4740 IV NE-SERIES V847



CONTOUR INTERVAL 5 FEET  
DATUM IS MEAN SEA LEVEL

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U. S. GEOLOGICAL SURVEY, WASHINGTON, D. C. 20242  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

T. 23  
3146  
4740 IV NW  
(LAKE JESSAMINE)

T. 24 S.

3144

25'

3143

1 470 000  
FEET

28°22'30"

81°22'30"

380 000 FEET

464

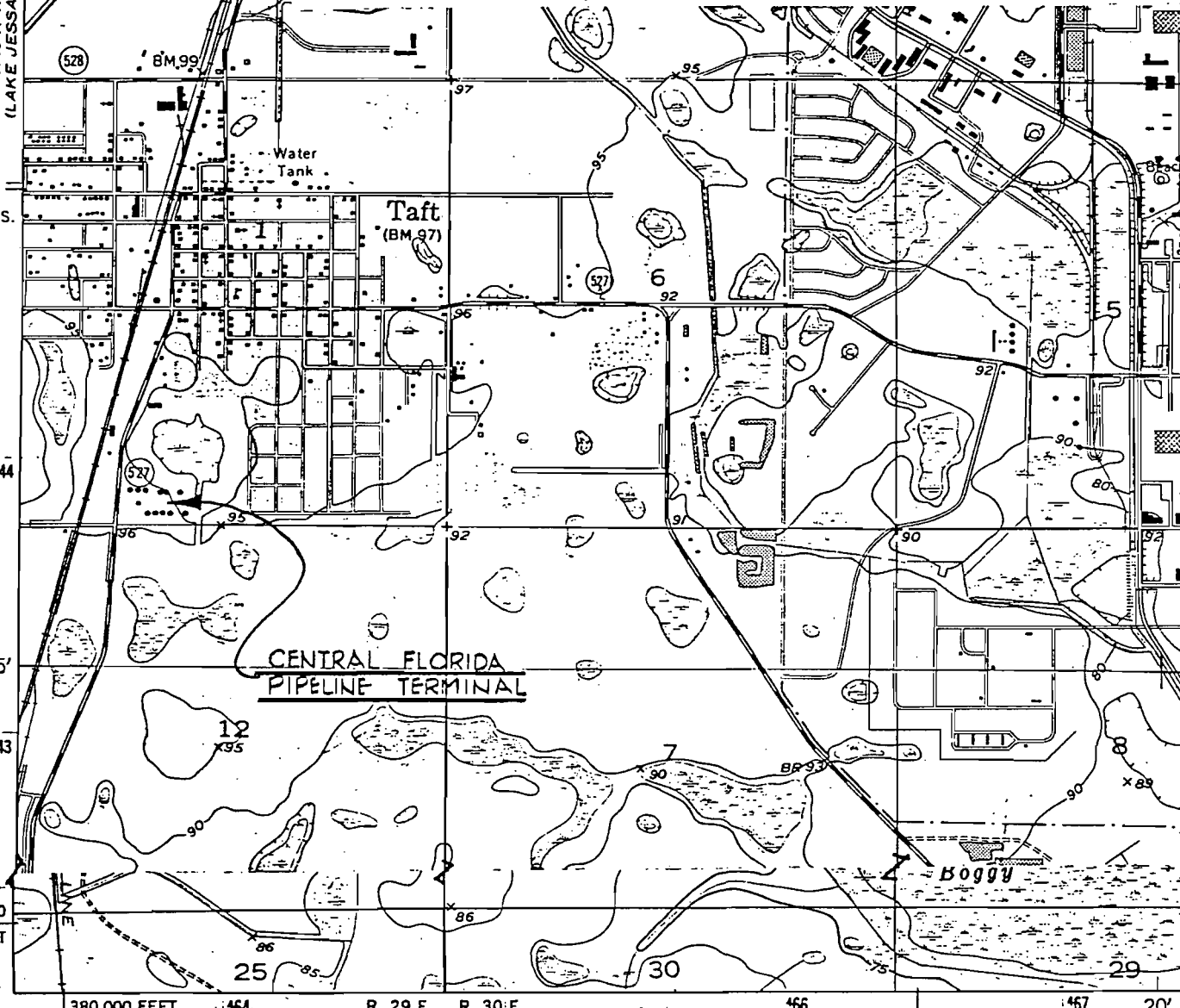
R. 29 E.

R. 30 E.

466

467

20'



(KISSIMMEE)  
4740 IV SW

Mapped, edited, and published by the Geological Survey  
Control by USGS, USC&GS, and USCE

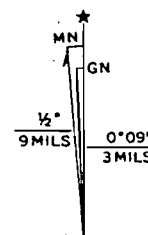
Culture and drainage in part compiled by U. S. Corps of Engineers  
from aerial photographs taken 1950. Topography by plane-table  
surveys 1953

Polyconic projection. 1927 North American datum  
10,000-foot grid based on Florida coordinate system,  
east zone

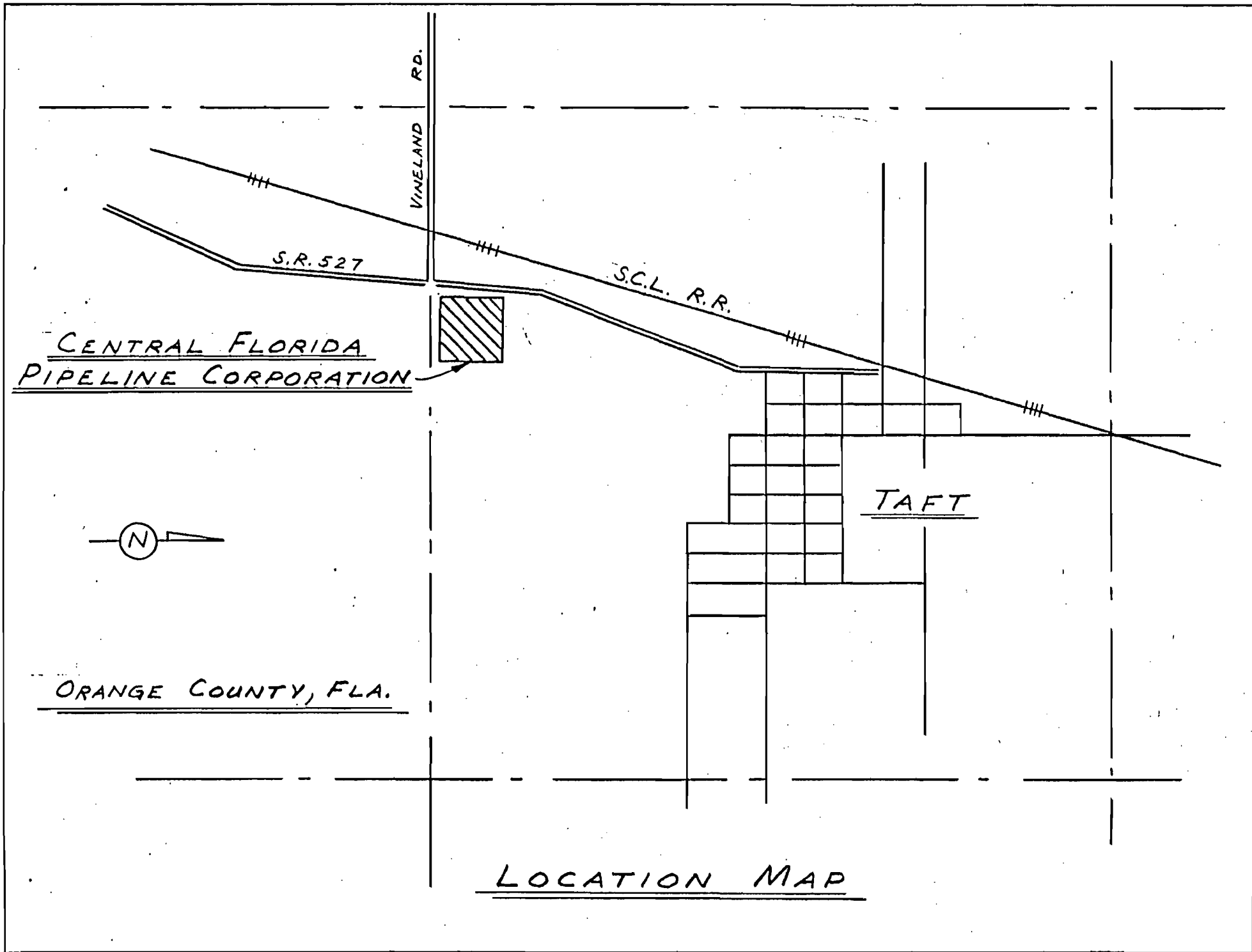
1000-meter Universal Transverse Mercator grid ticks,  
zone 17, shown in blue

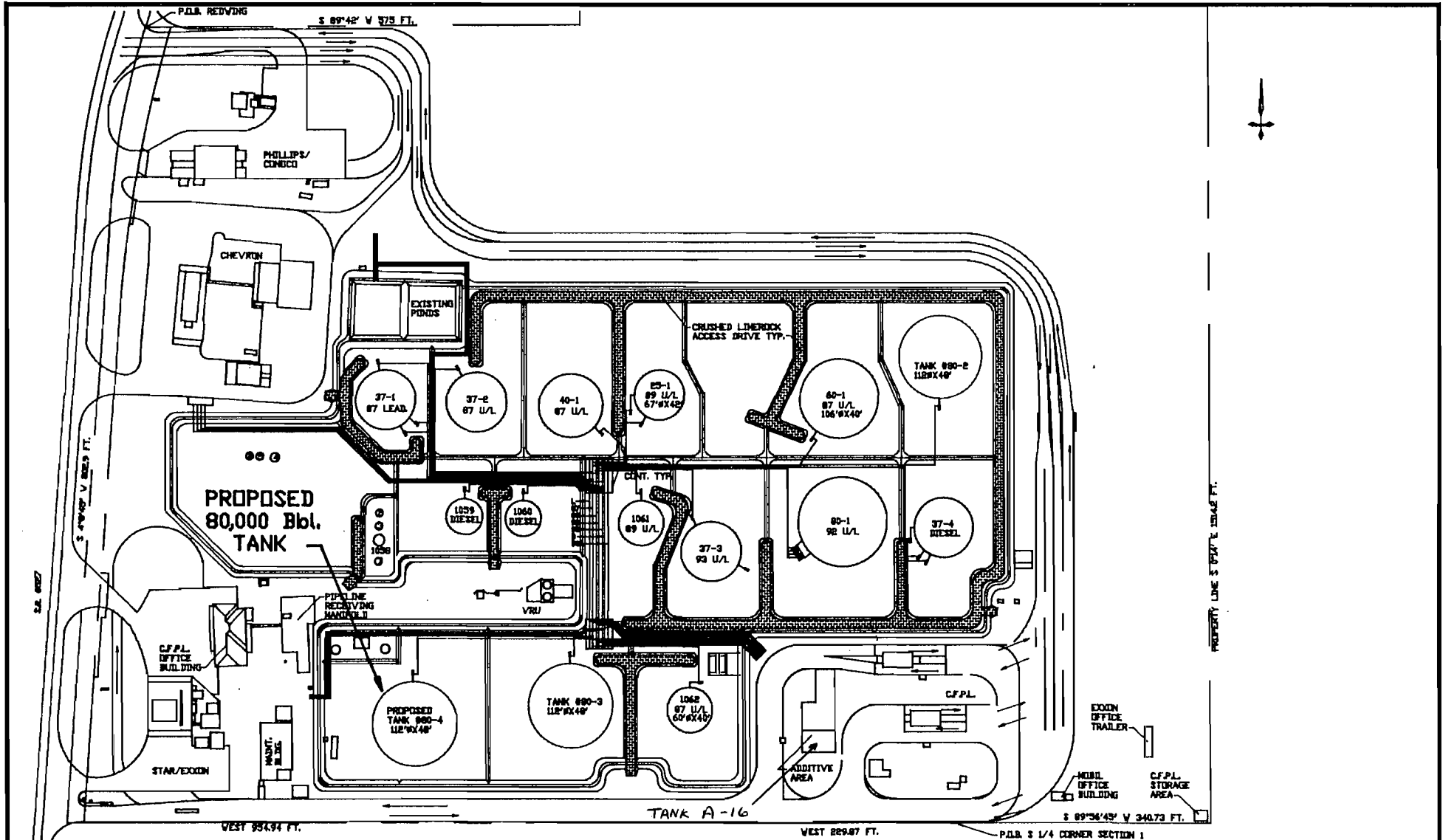
Revisions shown in purple compiled from aerial photographs  
taken 1970. This information not field checked

Purple tint indicates extension of urban areas



UTM GRID AND 1970 MAGNETIC NORTH  
DECLINATION AT CENTER OF SHEET





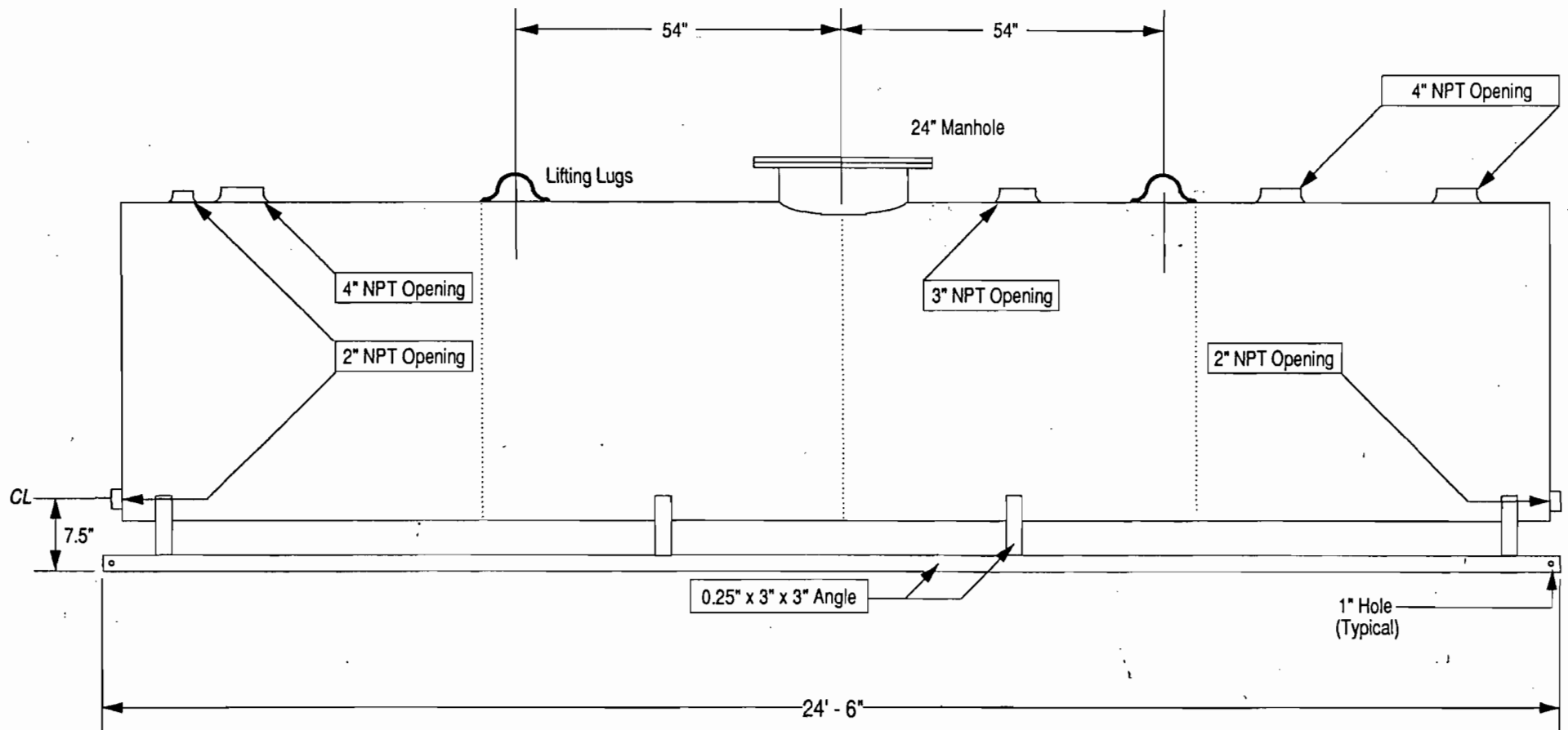
NO.	DATE	BY	DESCRIPTION	NO.	DATE	BY	DESCRIPTION
1	11/21/88	BTM	CHANGED LOCATION OF TANK 800-3	1	11/21/88	BTM	CHANGED LOCATION OF TANK 800-3
2				2			
3				3			
4				4			
5				5			

**GATX** TRUCK RENTAL CORPORATION

1-87

TAMPA, FLORIDA

*4000 Gallon Horizontal Additive Storage Tank*  
*Built in accordance with UL142 Specifications*



October 4, 1989

*Gate City Oil Equipment Company, Inc.*

1500 Marietta St., NW

Atlanta, GA 30318

404-794-8275





February, 1988

# Material Safety Data Sheet

## PHIL-AD CD ADDITIVE

Drilling Specialties Company  
A Division of Phillips 66 Company  
Bartlesville, Oklahoma 74004

Emergency Phone Numbers:  
Business Hours (918)661-3865  
After Hours (918)661-8118

### A. Product Identification

Synonyms: Not Established  
Chemical Name: Mixture  
Chemical Family: Mixture  
Chemical Formula: Mixture  
CAS Reg. No.: Mixture  
Product No.: Not Established

Product and/or Components Entered on EPA's TSCA Inventory: Yes

### B. Hazardous Components

Ingredients	CAS Number	% By Wt.	OSHA PEL	ACGIH TLV
Ethyl Benzene	100-41-4	53-54	100 ppm	100 ppm
Hexane	110-54-3	<1	500 ppm	50 ppm
Nonhazardous/Nonregulated Compounds	Various	45-46	NE	NE

### C. Personal Protection Information

Ventilation: Use adequate ventilation.

Respiratory Protection: Not generally required unless needed to prevent respiratory irritation. In case of spill or leak resulting in unknown concentration, use NIOSH/MSHA approved supplied air respirator.

Eye Protection: Use chemical goggles. For splash protection, use face shield with chemical goggles.

Skin Protection: Use disposable garments or decontaminate before reuse. Use impervious gloves. Use boots impervious to the material being used. (Do not wear leather boots.)

NOTE: Personal protection information shown in Section C is based upon general information as to normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the expert assistance of an industrial hygienist or other qualified professional be sought.

NA - Not Applicable NE - Not Established

Page 1 of 5

## *D. Handling and Storage Precautions*

Do not breathe vapors or get on skin or in eyes. Wear protective equipment and/or garments described in Section C if exposure conditions warrant. Keep containers closed. Wash hands after handling. Store in a cool, well-ventilated area away from ignition sources. Provide means of controlling leaks and spills. Bond and ground during liquid transfer. Immediately remove contaminated clothing. Launder before reuse.

## *E. Reactivity Data*

Stability: Stable  
Conditions to Avoid: Not Applicable  
Incompatibility (Materials to Avoid): Oxygen and strong oxidizing agents.

Hazardous Polymerization: Will Not Occur  
Conditions to Avoid: Not Applicable  
Hazardous Decomposition Products: Carbon and sulfur oxides formed when burned.

## *F. Health Hazard Data*

### **Recommended Exposure Limits:**

See Section B.

### **Acute Effects of Overexposure:**

Eye: May cause irritation to the eyes.  
Skin: May cause irritation to the skin. May be absorbed through skin in harmful amounts.  
Inhalation: High vapor concentrations in air may cause dizziness, disorientation, headache, excitation, tremors, convulsions, nausea, unconsciousness.  
Ingestion: May cause nausea, diarrhea, rapid respiration, central nervous system depression, respiratory changes. If swallowed, may be aspirated into the lungs.

### **Subchronic and Chronic Effects of Overexposure:**

Laboratory animals exposed repeatedly to Ethylbenzene have exhibited liver and kidney injury and fetotoxicity. No comparable injury has been reported in humans. Blood changes and fetotoxicity have been reported in animals exposed to n-Hexane. n-Hexane is known to harm the nervous system producing a lack of feeling in the extremities and with continued high exposure, a more severe nerve damage.

### **Other Health Effects:**

No known applicable information.

## Health Hazard Categories:

	Animal	Human		Animal	Human
Known Carcinogen	—	—	Toxic	—	—
Suspect Carcinogen	—	—	Corrosive	—	—
Mutagen	—	—	Irritant	X	—
Teratogen	—	—	Target Organ Toxin	X	X
Allergic Sensitizer	—	—	Specify - Kidney and liver injury.		
Highly Toxic	—	—	Nerves (Neurotoxin). Fetotoxicity.		

## First Aid and Emergency Procedures:

- Eye:** Flush eyes with tap water for fifteen minutes. If irritation develops, seek medical assistance.
- Skin:** Wash with soap and water. If irritation develops, seek medical assistance.
- Inhalation:** Remove from exposure. If breathing is difficult give oxygen and seek medical assistance. If illness or adverse symptoms develop, seek medical attention.
- Ingestion:** Do not induce vomiting. Seek immediate medical assistance. A physician may, at his discretion, perform gastric lavage using a cuffed endotracheal tube.

## G. Physical Data

Appearance:	Dark brown liquid
Odor:	Mild
Boiling Point:	Not Established
Vapor Pressure:	Not Established
Vapor Density (Air = 1):	3.7 (for Ethylbenzene)
Solubility in Water:	Negligible
Specific Gravity (H <sub>2</sub> O = 1):	0.9049 at 75 degrees F (24 degrees C)
Percent Volatile by Volume:	<95 (Estimated)
Evaporation Rate (Butyl Acetate = 1):	< 1
Viscosity:	Not Established

## H. Fire and Explosion Data

- Flash Point (Method Used):** 59 degrees F (15 degrees C)  
(PMCC, ASTM D93)
- Flammable Limits (% by Volume in Air):** LEL - 1.0 UEL - 6.7 (for Ethylbenzene)
- Fire Extinguishing Media:** Dry chemical, foam or carbon dioxide (CO<sub>2</sub>).
- Special Fire Fighting Procedures:** Evacuate area of all unnecessary personnel. Shut off source, if possible. Use NIOSH/MSHA approved self-contained breathing apparatus and other protective equipment. Water fog or spray may be used to cool exposed containers and equipment and to disperse flammable vapors.
- Fire and Explosion Hazards:** Carbon and sulfur oxides formed when burned. Flammable vapors which are heavier than air may accumulate in low areas and/or spread along ground away from handling site. Flashback along vapor trail may occur.

## I. Spill, Leak and Disposal Procedures

Precautions Required if Material is Released or Spilled: Evacuate area of all unnecessary personnel. Wear protective equipment and/or garments described in Section C if exposure conditions warrant. Shut off source if possible and contain spill. Protect from ignition. Keep out of water sources and sewers. Absorb in dry, inert material.

Waste Disposal (Insure Conformity with all Applicable Disposal Regulations): Incinerate or otherwise manage in a RCRA permitted waste management facility.

## J. DOT Transportation

Shipping Name: Flammable Liquid, n.o.s.  
Hazard Class: Flammable Liquid  
ID Number: UN 1993  
Marking: Flammable Liquid, n.o.s. and UN 1993 on containers smaller than 110 gallons; 1993 on bulk containers.  
Label: Flammable Liquid  
Placard: Flammable  
Hazardous Substance/RQ: Ethylbenzene (1000 lbs.)  
Shipping Description: Flammable Liquid, n.o.s., UN 1993  
Packaging References: 49 CFR 173.118 and 173.119

## K. RCRA Classification - Unadulterated Product as a Waste

D001 (Ignitable)

## L. Protection Required for Work on Contaminated Equipment

Wear protective equipment and/or garments described in Section C if exposure conditions warrant. Contact immediate supervisor for specific instructions before work is initiated.

## M. Hazard Classification

This product meets the following hazard definition(s) as defined by the Occupational Safety and Health Hazard Communication Standard (29 CFR Section 1910.1200):

<input type="checkbox"/> Combustible Liquid	<input type="checkbox"/> Flammable Aerosol	<input type="checkbox"/> Oxidizer
<input type="checkbox"/> Compressed Gas	<input type="checkbox"/> Explosive	<input type="checkbox"/> Pyrophoric
<input type="checkbox"/> Flammable Gas	<input checked="" type="checkbox"/> Health Hazard (Section F)	<input type="checkbox"/> Unstable
<input checked="" type="checkbox"/> Flammable Liquid	<input type="checkbox"/> Organic Peroxide	<input type="checkbox"/> Water Reactive
<input type="checkbox"/> Flammable Solid		

Based on information presently available, this product does not meet any of the hazard definitions of 29 CFR Section 1910.1200.

## *N. Additional Comments*

Not Applicable

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Phillips believes that the information contained herein (including data and statements) is accurate as of the date hereof. NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, IS MADE AS CONCERNS THE INFORMATION HEREIN PROVIDED. The information provided herein relates only to the specific product designated and may not be valid where such product is used in combination with any other materials or in any process. Further, since the conditions and methods of use of the product and information referred to herein are beyond the control of Phillips (references to Phillips including its divisions, affiliates, and subsidiaries) Phillips expressly disclaims any and all liability as to any results obtained or arising from any use of the product or such information. No statement made herein shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents.

NA - Not Applicable NE - Not Established

Page 5 of 5

## CHEMICAL AND PHYSICAL PROPERTIES

- **Physical data**
  1. Molecular weight: 106
  2. Boiling point (760 mm Hg): 136 C (277 F)
  3. Specific gravity (water = 1): 0.865
  4. Vapor density (air = 1 at boiling point of ethyl benzene): 3.66
  5. Melting point: -95 C (-139 F)  $\checkmark \times .019337$
  6. Vapor pressure at 20 C (68 F): 7.1 mm Hg
  7. Solubility in water, g/100 g water at 20 C (68 F): 0.015
- 8. Evaporation rate (butyl acetate = 1): Less than 1
- **Reactivity**
  1. Conditions contributing to instability: Heat
  2. Incompatibilities: Contact with strong oxidizing agents may cause fires and explosions.
  3. Hazardous decomposition products: Toxic gases and vapors (such as carbon monoxide) may be released in a fire involving ethyl benzene.
  4. Special precautions: None
- **Flammability**
  1. Flash point: 15 C (59 F) (closed cup)
  2. Autoignition temperature: 432 C (810 F)
  3. Flammable limits in air, % by volume: Lower: 1.0; Upper: 6.7
  4. Extinguishant: Dry chemical, foam, or carbon dioxide
- **Warning properties**
  1. Odor Threshold: According to the Department of Transportation's *CHRIS Hazardous Chemical Data*, ethyl benzene has an odor threshold of 140 ppm.
  2. Eye Irritation Level: According to the *AIHA Hygienic Guide*, "the vapor caused a noticeable eye irritation in humans at concentrations of 200 ppm."
  3. Evaluation of Warning Properties: Through its odor and irritant effects, ethyl benzene can be detected at a concentration less than twice the permissible exposure limit. Therefore, for the purposes of this guideline, ethyl benzene is treated as a material with adequate warning properties.

## MONITORING AND MEASUREMENT PROCEDURES

- **General**

Measurements to determine employee exposure are best taken so that the average eight-hour exposure is based on a single eight-hour sample or on two four-hour samples. Several short-time interval samples (up to 30 minutes) may also be used to determine the average exposure level. Air samples should be taken in the employee's breathing zone (air that would most nearly represent that inhaled by the employee).
- **Method**

Sampling and analyses may be performed by collection of ethyl benzene vapors using an adsorption tube with subsequent desorption with carbon disulfide and gas chromatographic analysis. Also, detector tubes certified

by NIOSH under 42 CFR Part 84 or other direct-reading devices calibrated to measure ethyl benzene may be used. An analytical method for ethyl benzene is in the *NIOSH Manual of Analytical Methods*, 2nd Ed., Vol. 2, 1977, available from the Government Printing Office, Washington, D.C. 20402 (GPO No. 017-033-00260-6).

## RESPIRATORS

- Good industrial hygiene practices recommend that engineering controls be used to reduce environmental concentrations to the permissible exposure level. However, there are some exceptions where respirators may be used to control exposure. Respirators may be used when engineering and work practice controls are not technically feasible, when such controls are in the process of being installed, or when they fail and need to be supplemented. Respirators may also be used for operations which require entry into tanks or closed vessels, and in emergency situations. If the use of respirators is necessary, the only respirators permitted are those that have been approved by the Mine Safety and Health Administration (formerly Mining Enforcement and Safety Administration) or by the National Institute for Occupational Safety and Health.
- In addition to respirator selection, a complete respiratory protection program should be instituted which includes regular training, maintenance, inspection, cleaning, and evaluation.

## PERSONAL PROTECTIVE EQUIPMENT

- Employees should be provided with and required to use impervious clothing, gloves, face shields (eight-inch minimum), and other appropriate protective clothing necessary to prevent repeated or prolonged skin contact with liquid ethyl benzene.
- Clothing wet with liquid ethyl benzene should be placed in closed containers for storage until it can be discarded or until provision is made for the removal of ethyl benzene from the clothing. If the clothing is to be laundered or otherwise cleaned to remove the ethyl benzene, the person performing the operation should be informed of ethyl benzene's hazardous properties.
- Non-impervious clothing which becomes contaminated with liquid ethyl benzene should be removed promptly and not reworn until the ethyl benzene is removed from the clothing.
- Any clothing which becomes wet with liquid ethyl benzene should be removed immediately and not reworn until the ethyl benzene is removed from the clothing.
- Employees should be provided with and required to use splash-proof safety goggles where liquid ethyl benzene may contact the eyes.



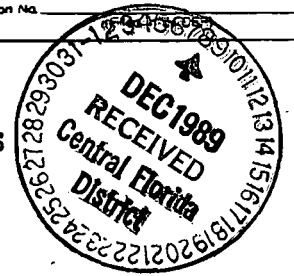
Florida Department of Environmental Regulation

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

\$ 200pd.  
12-98-89  
Receipt # 117683

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

AC 48-173939



APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Gasoline Additive Tank  New<sup>1</sup>  Existing<sup>1</sup>

APPLICATION TYPE:  Construction  Operation  Modification

COMPANY NAME: Central Florida Pipeline Corporation COUNTY: Orange

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) Tank A-16

SOURCE LOCATION: Street 9919 Palm Avenue City Taft

UTM: East 17-463.8 km North 3143.8 km

Latitude 28 ° 25 ' 19 "N Longitude 81 ° 22 ' 01 "W

APPLICANT NAME AND TITLE: Ralph Baker, Manager of Florida Operations

APPLICANT ADDRESS: 100 GATX Drive, Tampa, Florida 33605

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative\* of GATX Terminals Corporation

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

\*Attach letter of authorization

Signed: [Signature]

Ralph Baker, Manager of Florida Operations

Name and Title (Please Type)

Date: 12/7/89 Telephone No. 813/248-2148

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 \_\_\_\_\_

Robert E. Wallace III  
Robert E. Wallace III, P.E., President

Name (Please Type)

Environmental Engineering Consultants, Inc.

Company Name (Please Type)

5119 N. Florida Avenue, Tampa, Florida 33603

Mailing Address (Please Type)

Florida Registration No. 21608

Date: 12/4/89

Telephone No. 813/237-3781

### 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.

See Attached Sheet

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

Start of Construction upon receipt of permit Completion of Construction Within one year

- 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.

New Source - no previous permit



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

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

- 1. Is this source in a non-attainment area for a particular pollutant? yes
  - a. If yes, has "offset" been applied? no
  - b. If yes, has "Lowest Achievable Emission Rate" been applied? no
  - c. If yes, list non-attainment pollutants. VOC's
- 2. Does best available control technology (BACT) apply to this source? no  
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. no
- 4. Do "Standards of Performance for New Stationary Sources" (NSPS) apply to this source? no
- 5. Do "National Emission Standards for Hazardous Air Pollutants" (NESHAP) apply to this source? no

- H. Do "Reasonably Available Control Technology" (RACT) requirements apply to this source? no
- a. If yes, for what pollutants? \_\_\_\_\_
  - b. If yes, in addition to the information required in this form, any information requested in Rule 17-2.650 must be submitted.

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

\*Areas recently designated an "Air Quality Maintenance Area" by FDER.

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

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

Description	Contaminants		Utilization Rate - lbs/hr	Relate to Flow Diagram
	Type	% Wt		

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

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

2. Product Weight (lbs/hr): For throughput of tank, see calculations sheet.

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 Emission Rate per Rule 17-2	Allowable <sup>3</sup> Emission lbs/hr	Potential <sup>4</sup> * Emission		Relate to Flow Diagram
	Average lbs/hr	Actual T/yr			lbs/yr (average)	T/yr	
VOC's	0.001	0.003	N/A	N/A	0.001	0.003	N/A

<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).

\*Potential Emission as defined in Rule 17-2.

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)
Pressure/Vac. Vent	VOC's	N/A	N/A	N/A

E. Fuels N/A

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: N/A

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. N/A

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

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

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

Stack Height: \_\_\_\_\_ ft. Stack Diameter: \_\_\_\_\_ ft.

Gas Flow Rate: \_\_\_\_\_ ACFM \_\_\_\_\_ DSCFM Gas Exit Temperature: \_\_\_\_\_ °F.

Water Vapor Content: \_\_\_\_\_ % Velocity: \_\_\_\_\_ FPS

**SECTION IV: INCINERATOR INFORMATION** N/A

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)]  
See calculations.
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. See calculations.
3. Attach basis of potential discharge (e.g., emission factor, that is, AP42 test).  
See calculations.
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.) See drawing.
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). See calculation.
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. See attached.
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).  
See attached.
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.  
See attached.

9. The appropriate application fee in accordance with Rule 17-4.05. The check should be made payable to the Department of Environmental Regulation. Attached.

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. N/A

**SECTION VI: BEST AVAILABLE CONTROL TECHNOLOGY** N/A

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

Yes  No

Contaminant	Rate or Concentration
_____	_____
_____	_____
_____	_____

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

Yes  No

Contaminant	Rate or Concentration
_____	_____
_____	_____
_____	_____

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

Contaminant	Rate or Concentration
_____	_____
_____	_____
_____	_____

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

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

\*Explain method of determining

5. Useful Life:

6. Operating Costs:

7. Energy:

8. Maintenance Cost:

9. Emissions:

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

10. Stack Parameters

- a. Height: ft.
- b. Diameter: ft.
- c. Flow Rate: ACFM
- d. Temperature: °F.
- e. Velocity: FPS

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

1.

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

2.

- a. Control Device:
- b. Operating Principles:
- c. Efficiency:<sup>1</sup>
- d. Capital Cost:
- e. Useful Life:
- f. Operating Cost:
- g. Energy:<sup>2</sup>
- h. Maintenance Cost:
- i. Availability of construction materials and process chemicals:

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

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

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

3.

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

4.

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

F. Describe the control technology selected:

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

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

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



(5) Environmental Manager:

(6) Telephone No.:

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

Contaminant

Rate or Concentration


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

b. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

(5) Environmental Manager:

(6) Telephone No.:

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

Contaminant

Rate or Concentration


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

10. Reason for selection and description of systems:

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

SECTION VII - PREVENTION OF SIGNIFICANT DETERIORATION

N/A

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.

SECTION II

GENERAL PROJECT INFORMATION

QUESTION A:

GATX Terminals Corporation proposes to construct a 4,000 gallon tank which will contain Phil-Ad CD Additive. The tank has been designated A-16. A Material Safety Data Sheet for additive is attached.

The tank will be in compliance with FDER Rule 17-2.

Upon completion of construction GATX Terminals Corporation desires to include this tank under the existing terminal tankage permit by amendment.

SECTION III C: Emission Calculations Based on AP-42  
Tank A-16

Fixed Roof Tank Breathing Loss:  $L_B$  (lbs./yr.)

$$L_B = 2.26 \times 10^{-2} M_V \left[ \frac{P}{P_A - P} \right]^{0.68} D^{1.73} H^{0.51} T^{0.5} F_p C K_C$$

where:

$M_V$  = molecular weight (lb./lb. mole) for ethylbenzene = 106

$P_A$  = average atm. pressure (psia) = 14.7

$P$  = true vapor pressure (psia) for ethylbenzene = 0.14 @  
68°F

$D$  = tank diameter (ft) = 4.5

$H$  = average height of vapor space (ft) = 1.1

$T$  = average ambient diurnal temperature (°F) = 18.7

$F_p$  = paint factor = 1.0

$C$  = adjustment factor small diameter tanks = 0.41

$K_C$  = product factor = 1

therefore:

$$L_B = .0226 \times 106 \left[ \frac{0.14}{14.7 - 0.14} \right]^{0.68} \times 4.5^{1.73} \times 1.1^{0.51} \times 18.7^{0.5} \\ \times 1.0 \times 0.41 \times 1$$

$$L_B = 2.6 \text{ lbs./yr.}$$

SECTION III C: Emission Calculations Based on AP-42  
Tank A-16 (continued)

Fixed Roof Tank Working Losses:  $L_W$  (lbs./yr.)

$$L_W = 2.40 \times 10^{-5} M_V P V N K_N K_C$$

where:

$$V = \text{tank capacity (gal)} = 4,000$$

$$N = \text{number of turnovers/yr} = 2.0$$

$$K_N = \text{turnover factor} = 1.0$$

therefore:

$$L_W = 2.40 \times 10^{-5} \times 106 \times 0.14 \times 4,000 \times 2.0 \times 1.0 \times 1.0$$

$$L_W = 2.9 \text{ lbs. yr.}$$

Actual emissions are equal to potential emission for this source.

Total Emissions:  $L_T$

$$L_T = L_W + L_B$$

$$L_T = 2.6 \text{ lbs/yr} + 2.9 \text{ lbs/yr} = 5.5 \text{ lbs/yr.}$$

$$= 0.003 \text{ TPY}$$

Average hourly emissions based on 8760 hrs./yr.

$$L_T = 5.5 \text{ lbs/yr.} \times 1 \text{ yr./8760 hrs.} = 0.001 \text{ lbs./hr.}$$

PINE CASTLE, FLA.

N2822.5-W8115/7.5

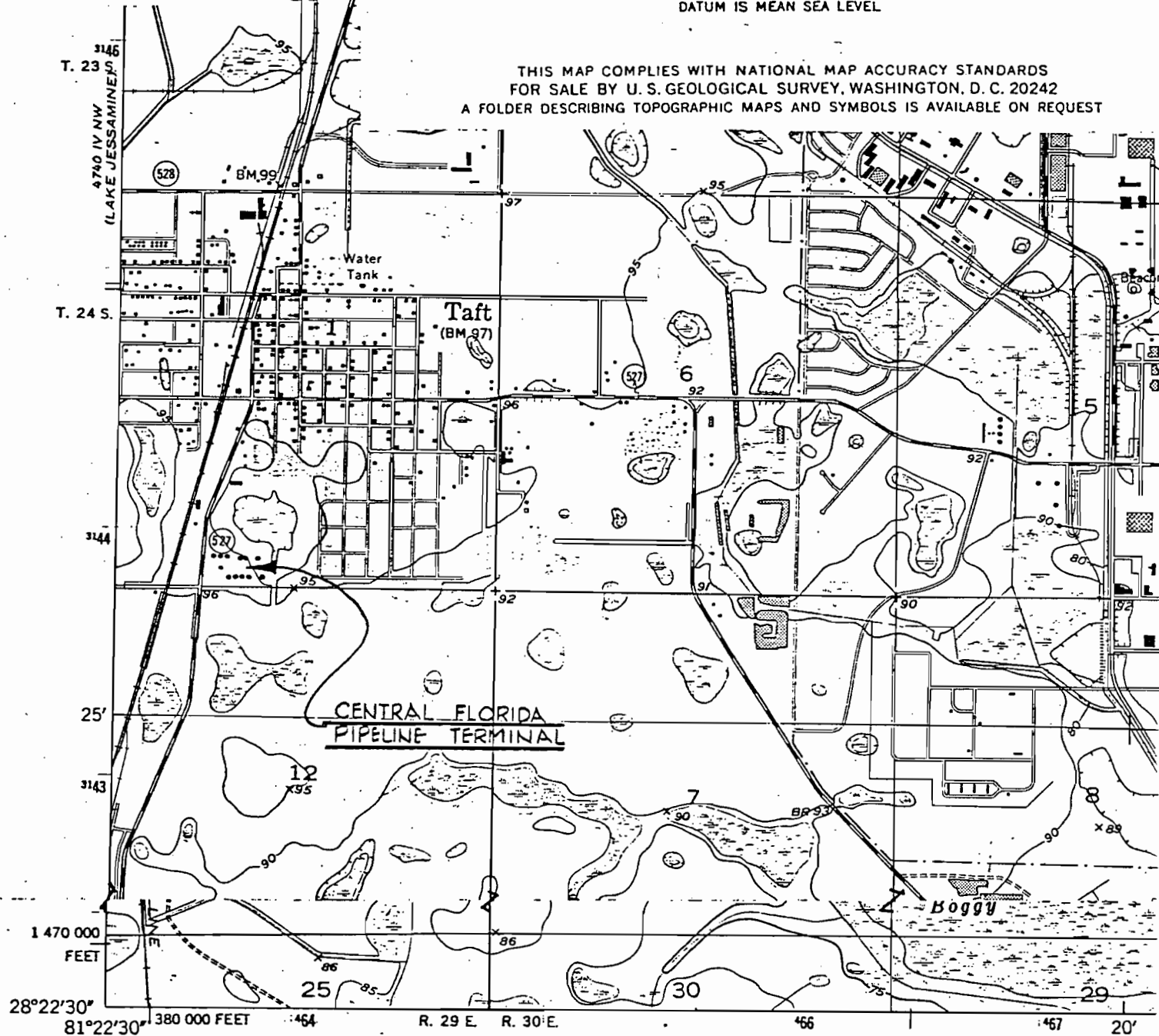
1953  
PHOTOREVISED 1970  
AMS 4740 IV NE--SERIES V847

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 5 0 1 KILOMETER

CONTOUR INTERVAL 5 FEET  
DATUM IS MEAN SEA LEVEL

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS  
FOR SALE BY U. S. GEOLOGICAL SURVEY, WASHINGTON, D. C. 20242  
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST



(KISSIMMEE)  
4740 IV SW

Mapped, edited, and published by the Geological Survey

Control by USGS, USC&GS, and USCE

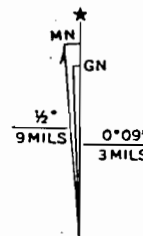
Culture and drainage in part compiled by U. S. Corps of Engineers  
from aerial photographs taken 1950. Topography by plane-table  
surveys 1953

Polyconic projection. 1927 North American datum  
10,000-foot grid based on Florida coordinate system,  
east zone

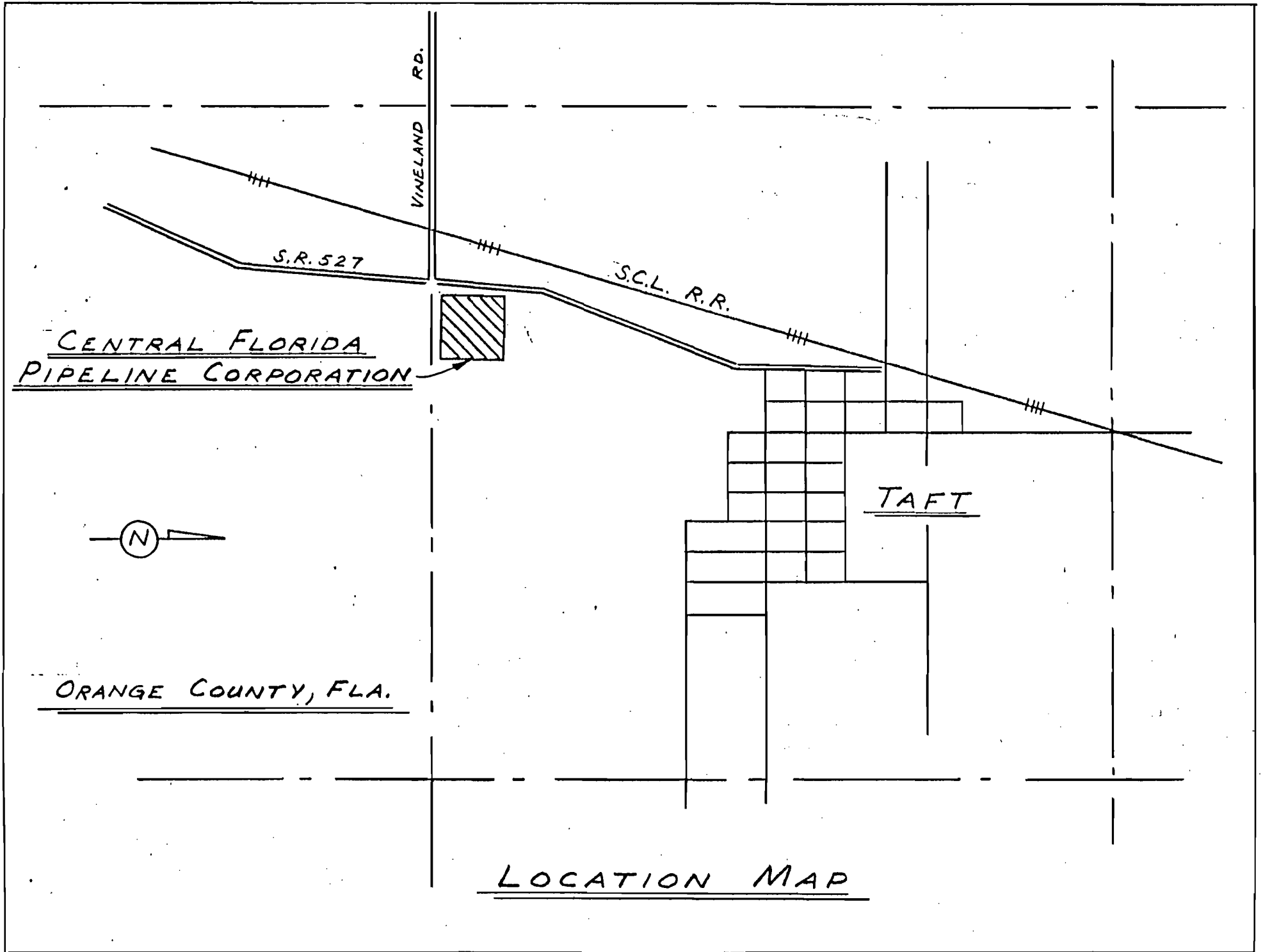
1000-meter Universal Transverse Mercator grid ticks,  
zone 17, shown in blue

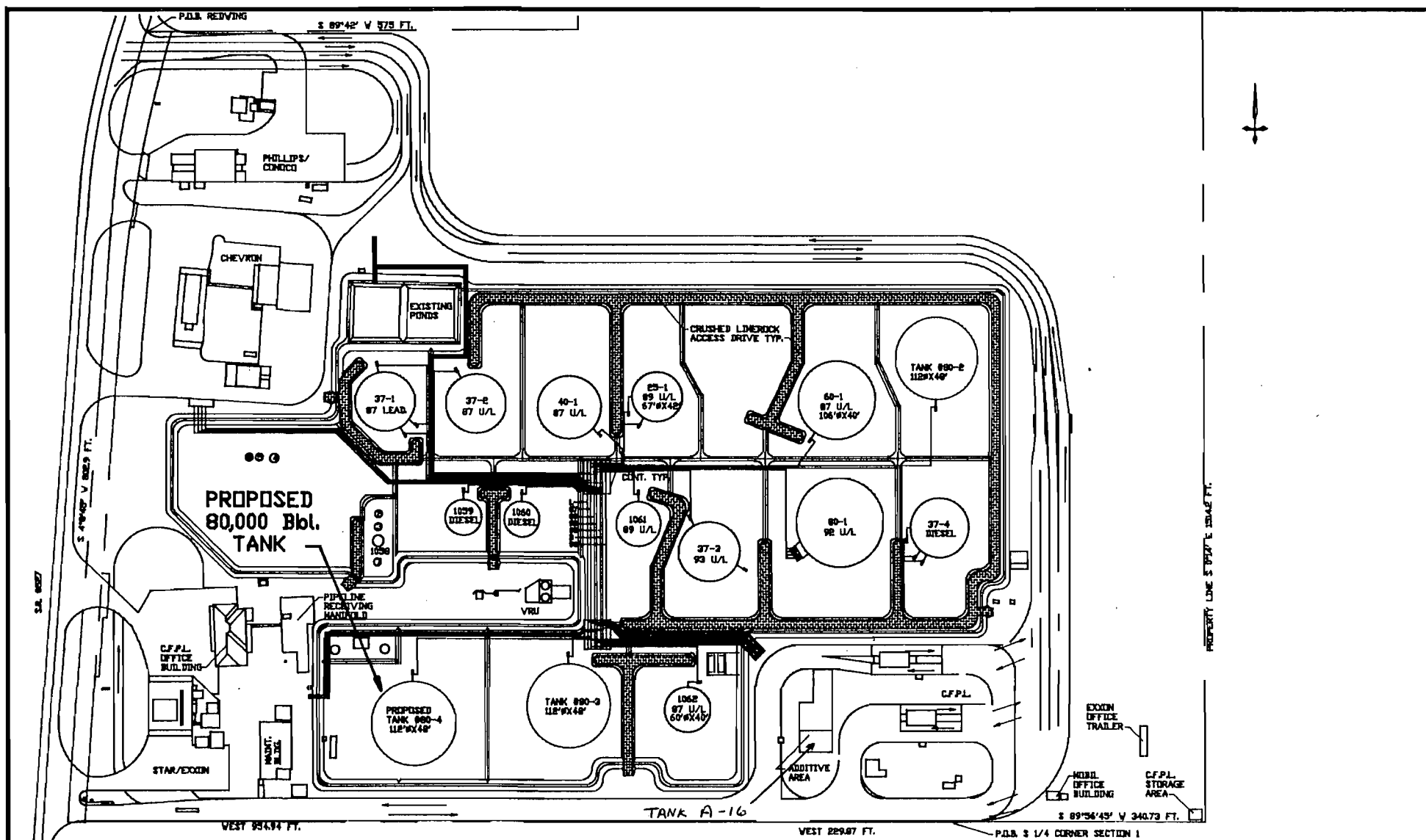
Revisions shown in purple compiled from aerial photographs  
taken 1970. This information not field checked

Purple tint indicates extension of urban areas



UTM GRID AND 1970 MAGNETIC NORTH  
DECLINATION AT CENTER OF SHEET





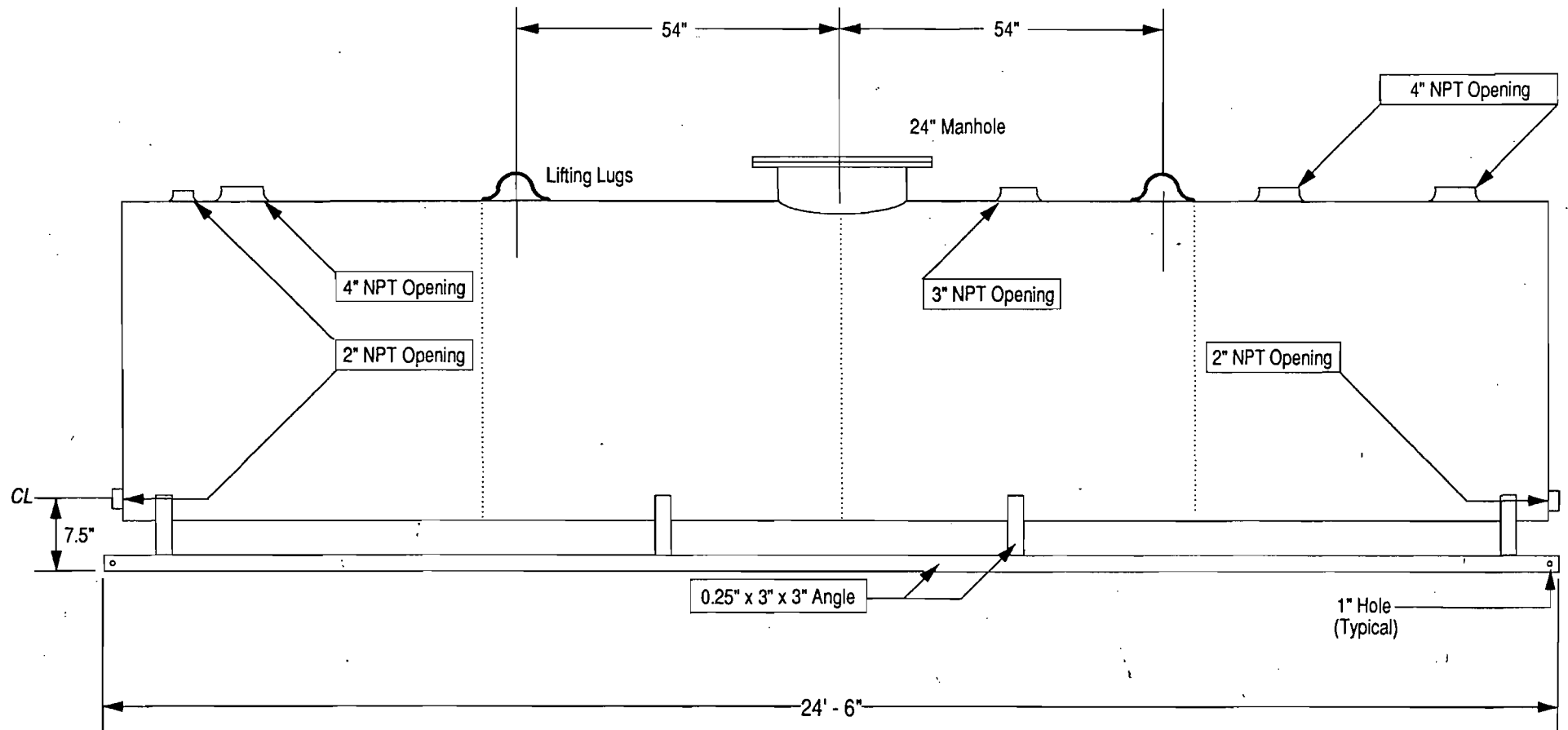
PROPERTY LINE S 89°1' E 354.6 FT.

P.O.B. S 1/4 CORNER SECTION 1

DATE: 11/11/87		BY: [Signature]		DESCRIPTION: [Blank]		REVISIONS: [Blank]			TACT, FLORIDA
DATE: 11/11/87		BY: [Signature]		DESCRIPTION: [Blank]		REVISIONS: [Blank]			



*4000 Gallon Horizontal Additive Storage Tank*  
*Built in accordance with UL142 Specifications*



October 4, 1989

*Gate City Oil Equipment Company, Inc.*

1500 Marietta St., NW

Atlanta, GA 30318

404-794-8275



February, 1988

# Material Safety Data Sheet

## PHIL-AD CD ADDITIVE

Drilling Specialties Company  
A Division of Phillips 66 Company  
Bartlesville, Oklahoma 74004

Emergency Phone Numbers:  
Business Hours (918)661-3865  
After Hours (918)661-8118

### A. Product Identification

Synonyms: Not Established  
Chemical Name: Mixture  
Chemical Family: Mixture  
Chemical Formula: Mixture  
CAS Reg. No.: Mixture  
Product No.: Not Established

Product and/or Components Entered on EPA's TSCA Inventory: Yes

### B. Hazardous Components

Ingredients	CAS Number	% By Wt.	OSHA PEL	ACGIH TLV
Ethyl Benzene	100-41-4	53-54	100 ppm	100 ppm
Hexane	110-54-3	<1	500 ppm	50 ppm
Nonhazardous/Nonregulated Compounds	Various	45-46	NE	NE

### C. Personal Protection Information

Ventilation: Use adequate ventilation.

Respiratory Protection: Not generally required unless needed to prevent respiratory irritation. In case of spill or leak resulting in unknown concentration, use NIOSH/MSHA approved supplied air respirator.

Eye Protection: Use chemical goggles. For splash protection, use face shield with chemical goggles.

Skin Protection: Use disposable garments or decontaminate before reuse. Use impervious gloves. Use boots impervious to the material being used. (Do not wear leather boots.)

NOTE: Personal protection information shown in Section C is based upon general information as to normal uses and conditions. Where special or unusual uses or conditions exist, it is suggested that the expert assistance of an industrial hygienist or other qualified professional be sought.

NA - Not Applicable NE - Not Established

Page 1 of 5

## D. Handling and Storage Precautions

Do not breathe vapors or get on skin or in eyes. Wear protective equipment and/or garments described in Section C if exposure conditions warrant. Keep containers closed. Wash hands after handling. Store in a cool, well-ventilated area away from ignition sources. Provide means of controlling leaks and spills. Bond and ground during liquid transfer. Immediately remove contaminated clothing. Launder before reuse.

## E. Reactivity Data

Stability: Stable  
Conditions to Avoid: Not Applicable  
Incompatibility (Materials to Avoid): Oxygen and strong oxidizing agents.

Hazardous Polymerization: Will Not Occur  
Conditions to Avoid: Not Applicable  
Hazardous Decomposition Products: Carbon and sulfur oxides formed when burned.

## F. Health Hazard Data

### Recommended Exposure Limits:

See Section B.

### Acute Effects of Overexposure:

Eye: May cause irritation to the eyes.  
Skin: May cause irritation to the skin. May be absorbed through skin in harmful amounts.  
Inhalation: High vapor concentrations in air may cause dizziness, disorientation, headache, excitation, tremors, convulsions, nausea, unconsciousness.  
Ingestion: May cause nausea, diarrhea, rapid respiration, central nervous system depression, respiratory changes. If swallowed, may be aspirated into the lungs.

### Subchronic and Chronic Effects of Overexposure:

Laboratory animals exposed repeatedly to Ethylbenzene have exhibited liver and kidney injury and fetotoxicity. No comparable injury has been reported in humans. Blood changes and fetotoxicity have been reported in animals exposed to n-Hexane. n-Hexane is known to harm the nervous system producing a lack of feeling in the extremities and with continued high exposure, a more severe nerve damage.

### Other Health Effects:

No known applicable information.

## Health Hazard Categories:

	Animal	Human		Animal	Human
Known Carcinogen	---	---	Toxic	---	---
Suspect Carcinogen	---	---	Corrosive	---	---
Mutagen	---	---	Irritant	X	---
Teratogen	---	---	Target Organ Toxin	X	X
Allergic Sensitizer	---	---	Specify - Kidney and liver injury.		
Highly Toxic	---	---	Nerves (Neurotoxin). Fetotoxicity.		

## First Aid and Emergency Procedures:

- Eye:** Flush eyes with tap water for fifteen minutes. If irritation develops, seek medical assistance.
- Skin:** Wash with soap and water. If irritation develops, seek medical assistance.
- Inhalation:** Remove from exposure. If breathing is difficult give oxygen and seek medical assistance. If illness or adverse symptoms develop, seek medical attention.
- Ingestion:** Do not induce vomiting. Seek immediate medical assistance. A physician may, at his discretion, perform gastric lavage using a cuffed endotracheal tube.

## G. Physical Data

Appearance:	Dark brown liquid
Odor:	Mild
Boiling Point:	Not Established
Vapor Pressure:	Not Established
Vapor Density (Air = 1):	3.7 (for Ethylbenzene)
Solubility in Water:	Negligible
Specific Gravity (H2O = 1):	0.9049 at 75 degrees F (24 degrees C)
Percent Volatile by Volume:	<95 (Estimated)
Evaporation Rate (Butyl Acetate = 1):	< 1
Viscosity:	Not Established

## H. Fire and Explosion Data

- Flash Point (Method Used):** 59 degrees F (15 degrees C)  
(PMCC, ASTM D93)
- Flammable Limits (% by Volume in Air):** LEL - 1.0 UEL - 6.7 (for Ethylbenzene)
- Fire Extinguishing Media:** Dry chemical, foam or carbon dioxide (CO2).
- Special Fire Fighting Procedures:** Evacuate area of all unnecessary personnel. Shut off source, if possible. Use NIOSH/MSHA approved self-contained breathing apparatus and other protective equipment. Water fog or spray may be used to cool exposed containers and equipment and to disperse flammable vapors.
- Fire and Explosion Hazards:** Carbon and sulfur oxides formed when burned. Flammable vapors which are heavier than air may accumulate in low areas and/or spread along ground away from handling site. Flashback along vapor trail may occur.

## I. Spill, Leak and Disposal Procedures

Precautions Required if Material is Released or Spilled: Evacuate area of all unnecessary personnel. Wear protective equipment and/or garments described in Section C if exposure conditions warrant. Shut off source if possible and contain spill. Protect from ignition. Keep out of water sources and sewers. Absorb in dry, inert material.

Waste Disposal (Insure Conformity with all Applicable Disposal Regulations): Incinerate or otherwise manage in a RCRA permitted waste management facility.

## J. DOT Transportation

Shipping Name: Flammable Liquid, n.o.s.  
Hazard Class: Flammable Liquid  
ID Number: UN 1993  
Marking: Flammable Liquid, n.o.s. and UN 1993 on containers smaller than 110 gallons; 1993 on bulk containers.  
Label: Flammable Liquid  
Placard: Flammable  
Hazardous Substance/RQ: Ethylbenzene (1000 lbs.)  
Shipping Description: Flammable Liquid, n.o.s., UN 1993  
Packaging References: 49 CFR 173.118 and 173.119

## K. RCRA Classification - Unadulterated Product as a Waste

D001 (Ignitable)

## L. Protection Required for Work on Contaminated Equipment

Wear protective equipment and/or garments described in Section C if exposure conditions warrant. Contact immediate supervisor for specific instructions before work is initiated.

## M. Hazard Classification

This product meets the following hazard definition(s) as defined by the Occupational Safety and Health Hazard Communication Standard (29 CFR Section 1910.1200):

<input type="checkbox"/> Combustible Liquid	<input type="checkbox"/> Flammable Aerosol	<input type="checkbox"/> Oxidizer
<input type="checkbox"/> Compressed Gas	<input type="checkbox"/> Explosive	<input type="checkbox"/> Pyrophoric
<input type="checkbox"/> Flammable Gas	<input checked="" type="checkbox"/> Health Hazard (Section F)	<input type="checkbox"/> Unstable
<input checked="" type="checkbox"/> Flammable Liquid	<input type="checkbox"/> Organic Peroxide	<input type="checkbox"/> Water Reactive
<input type="checkbox"/> Flammable Solid		

Based on information presently available, this product does not meet any of the hazard definitions of 29 CFR Section 1910.1200.

## *N. Additional Comments*

Not Applicable

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NA - Not Applicable NE - Not Established

Page 5 of 5

## CHEMICAL AND PHYSICAL PROPERTIES

### • Physical data

1. Molecular weight: 106
2. Boiling point (760 mm Hg): 136 C (277 F)
3. Specific gravity (water = 1): 0.865
4. Vapor density (air = 1 at boiling point of ethyl benzene): 3.66
5. Melting point: -95 C (-139 F)  $\checkmark \times .019337$
6. Vapor pressure at 20 C (68 F): 7.1 mm Hg
7. Solubility in water, g/100 g water at 20 C (68 F): 0.015
8. Evaporation rate (butyl acetate = 1): Less than 1

### • Reactivity

1. Conditions contributing to instability: Heat
2. Incompatibilities: Contact with strong oxidizing agents may cause fires and explosions.
3. Hazardous decomposition products: Toxic gases and vapors (such as carbon monoxide) may be released in a fire involving ethyl benzene.
4. Special precautions: None

### • Flammability

1. Flash point: 15 C (59 F) (closed cup)
2. Autoignition temperature: 432 C (810 F)
3. Flammable limits in air, % by volume: Lower: 1.0; Upper: 6.7
4. Extinguishant: Dry chemical, foam, or carbon dioxide

### • Warning properties

1. Odor Threshold: According to the Department of Transportation's *CHRIS Hazardous Chemical Data*, ethyl benzene has an odor threshold of 140 ppm.
2. Eye Irritation Level: According to the AIHA *Hygienic Guide*, "the vapor caused a noticeable eye irritation in humans at concentrations of 200 ppm."
3. Evaluation of Warning Properties: Through its odor and irritant effects, ethyl benzene can be detected at a concentration less than twice the permissible exposure limit. Therefore, for the purposes of this guideline, ethyl benzene is treated as a material with adequate warning properties.

## MONITORING AND MEASUREMENT PROCEDURES

### • General

Measurements to determine employee exposure are best taken so that the average eight-hour exposure is based on a single eight-hour sample or on two four-hour samples. Several short-time interval samples (up to 30 minutes) may also be used to determine the average exposure level. Air samples should be taken in the employee's breathing zone (air that would most nearly represent that inhaled by the employee).

### • Method

Sampling and analyses may be performed by collection of ethyl benzene vapors using an adsorption tube with subsequent desorption with carbon disulfide and gas chromatographic analysis. Also, detector tubes certified

by NIOSH under 42 CFR Part 84 or other direct-reading devices calibrated to measure ethyl benzene may be used. An analytical method for ethyl benzene is in the *NIOSH Manual of Analytical Methods*, 2nd Ed., Vol. 2, 1977, available from the Government Printing Office, Washington, D.C. 20402 (GPO No. 017-033-00260-6).

## RESPIRATORS

- Good industrial hygiene practices recommend that engineering controls be used to reduce environmental concentrations to the permissible exposure level. However, there are some exceptions where respirators may be used to control exposure. Respirators may be used when engineering and work practice controls are not technically feasible, when such controls are in the process of being installed, or when they fail and need to be supplemented. Respirators may also be used for operations which require entry into tanks or closed vessels, and in emergency situations. If the use of respirators is necessary, the only respirators permitted are those that have been approved by the Mine Safety and Health Administration (formerly Mining Enforcement and Safety Administration) or by the National Institute for Occupational Safety and Health.
- In addition to respirator selection, a complete respiratory protection program should be instituted which includes regular training, maintenance, inspection, cleaning, and evaluation.

## PERSONAL PROTECTIVE EQUIPMENT

- Employees should be provided with and required to use impervious clothing, gloves, face shields (eight-inch minimum), and other appropriate protective clothing necessary to prevent repeated or prolonged skin contact with liquid ethyl benzene.
- Clothing wet with liquid ethyl benzene should be placed in closed containers for storage until it can be discarded or until provision is made for the removal of ethyl benzene from the clothing. If the clothing is to be laundered or otherwise cleaned to remove the ethyl benzene, the person performing the operation should be informed of ethyl benzene's hazardous properties.
- Non-impervious clothing which becomes contaminated with liquid ethyl benzene should be removed promptly and not reworn until the ethyl benzene is removed from the clothing.
- Any clothing which becomes wet with liquid ethyl benzene should be removed immediately and not reworn until the ethyl benzene is removed from the clothing.
- Employees should be provided with and required to use splash-proof safety goggles where liquid ethyl benzene may contact the eyes.

FIRST FLORIDA BANK  
111 Main St.  
Tampa, Florida 33602

CENTRAL FLORIDA PIPELINE CORP. 05-71

PLANT ACCOUNT

1904 HEMLOCK AVENUE

TAMPA, FL 33605

4609

December 7 1989

PAY TO THE ORDER OF

Two hundred and no/100

DOLLARS \$200<sup>00</sup>

Florida Dept of Environmental  
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