→ P 3/30

Check Sheet

Company Name: Central Fl. Pipeline
Permit Number: AC 48-092240, 092241
PSD Number:
County: orange
Permit Engineer:
Others involved:

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

Intent:
- [x] Intent to Issue
- [x] Notice to Public
- [x] Technical Evaluation
- [ ] BACT Determination
- [x] Unsigned Permit 2

Attachments:
- [ ]
- [ ]
- [ ]

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

Final Determination:
- [x] Final Determination
- [x] Signed Permit 2
- [ ] BACT Determination

Post Permit Correspondence:
- [ ] Extensions
- [ ] Amendments/Modifications
- [ ] Response from EPA
- [ ] Response from County
- [ ] Response from Park Services

No. 0158666

RECEIPT FOR CERTIFIED MAIL

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

SENT TO Mr. Robert P. Brunck	
STREET AND NO.	
P.O., STATE AND ZIP CODE	
POSTAGE	$
CERTIFIED FEE	¢
SPECIAL DELIVERY	¢
RESTRICTED DELIVERY	¢
RETURN RECEIPT SERVICE — SHOW TO WHOM AND DATE DELIVERED	¢
RETURN RECEIPT SERVICE — SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	¢
RETURN RECEIPT SERVICE — SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	¢
RETURN RECEIPT SERVICE — SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	¢
TOTAL POSTAGE AND FEES	$
POSTMARK OR DATE 2/27/85	

CONSULT POSTMASTER FOR FEES — OPTIONAL SERVICES

PS Form 3800, Apr. 1976

PS Form 3811, July 1983

SENDER: Complete items 1, 2, 3 and 4.

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

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

3. Article Addressed to:
Mr. Robert P. Brunck
Central Fla. Pipeline Corp.
120 South Riverside Plaza
Chicago, Illinois 60606

4. Type of Service:	Article Number
☐ Registered ☐ Insured ☒ Certified ☐ COD ☐ Express Mail	0158666

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature – Addressee
X

6. Signature – Agent
X R.J. Welch

7. Date of Delivery MAR 1 1985

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

DOMESTIC RETURN RECEIPT

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

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

BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

February 25, 1985

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. Robert P. Brunck, Manager
Central Florida Pipeline Corporation
120 South Riverside Plaza
Chicago, Illinois 60606

Dear Mr. Brunck:

Enclosed are Permit Numbers AC 48-092240 and AC 48-092241 dated February 22, 1985, to Central Florida Pipeline Corporation issued pursuant to Section 403, Florida Statutes.

Acceptance of these permits constitutes notice and agreement that the department will periodically review these permits for compliance, including site inspections where applicable, and may initiate enforcement actions for violation of the conditions and requirements thereof.

Sincerely,

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

CHF/pa

Enclosure

cc: Fred C. Engleman, P.E.
Charles Collins

Final Determination

Central Florida Pipeline Corporation
Orange County
Taft, Florida

Additional Fill Connections for the Triangle "C"
and Triangle #1 Tank Truck Loading Racks

Permit Numbers:
AC 48-092240
AC 48-092241

Florida Department of Environmental Regulation

Bureau of Air Quality Management

Central Air Permitting

February 21, 1985

Final Determination

Central Florida Pipeline Corporation's applications for permits to construct additional fill connections for the existing Triangle "C" and Triangle #1 tank truck loading racks at their facility in Taft, Orange County, Florida, have been reviewed by the Bureau of Air Quality Management. Public notice of the department's intent to issue the permits was published in the Orlando Sentinel on January 16, 1985.

Copies of the preliminary determination have been available for public inspection at the department's St. Johns River District office in Orlando and at the Bureau of Air Quality Management office in Tallahassee.

Comments on the proposed construction permits were received from Mr. David O. Theung in behalf of the applicant.

Mr. Theung requests that Specific Condition Number 3, in permit AC 48-092241 be changed to read 233,000 barrels per year from 223,000 barrels per year. This will correct an error made in transposing the data from the applicant and the specific condition will be changed to reflect this.

Mr. Theung also requests that the allowable emissions of Specific Condition Number 2 in permit AC 48-092241 be changed to 1.43 tons per year from 1.37 tons per year. This will correct an error made in using the incorrect throughput and the specific condition will be changed to reflect this.

The final determination of the department will be to issue the permits to construct with the changes discussed above.

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

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

BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

PERMITTEE:
Central Florida Pipeline
120 South Riverside Plaza
Chicago, Illinois 60606

Permit Number: AC48-092240
Expiration Date: August 31, 1985
County: Orange
Latitude/Longitude: 28° 25' 19" N/
81° 22' 01" W
Project: One additional fill connection at the triangle "C" loading rack

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

For the construction of one additional fill connection at the existing triangle "C" loading rack. Construction shall be in accordance with the attached permit application and additional information except as otherwise noted on pages 5 and 6, specific conditions.

Attachments are as follows:

1. Application to Construct an Air Pollution Source, DER Form 17-1.122(16).
2. C.H. Fancy's letter, dated September 28, 1984.
3. D.O. Theung's letter, dated October 19, 1984.

PERMITTEE:
Central Florida Pipeline

Permit Number: AC48-092240
Expiration Date: August 31, 1985

GENERAL CONDITIONS:

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

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

3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.

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

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

GENERAL CONDITIONS:

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

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

a. Having access to and copying any records that must be kept under the conditions of the permit;

b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and

c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

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

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

a. a description of and cause of non-compliance; and

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

PERMITTEE:
Central Florida Pipeline

Permit Number: AC48-092240
Expiration Date: August 31, 1985

GENERAL CONDITIONS:

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

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

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

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

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

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

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

GENERAL CONDITIONS:

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

c. Records of monitoring information shall include:

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

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

SPECIFIC CONDITIONS:

1. This source shall be allowed to operate continuously (8,760 hours per year).

2. VOC emissions shall not exceed 1.87 pounds per hour or 0.72 tons per year (35 milligrams total organic compounds per liter of gasoline loaded).

3. The annual throughput of gasolone through this nozzle shall not exceed 6,400 gallons per hour or 117,000 barrels per year.

PERMITTEE:
Central Florida Pipeline

Permit Number: AC48-092240
Expiration Date: August 31, 1985

SPECIFIC CONDITIONS:

4. Objectionable odors shall not be allowed on off-plant property.

5. Compliance with the mass emission rate limitation of Specific Condition No. 5 shall be determined in accordance with the method referenced in 17-2.700(6)(c)2.b(i), FAC (EPA 450/2-77-026, Appendix A). At least 30 days prior to the date of compliance testing, the DER's St. Johns River District office or its designee shall be notified in order to witness the test.

6. During the compliance test, the gasoline loading rate shall be representative of "normal operation" as outlined in the EPA test method guideline, EPA 450/2-77-026, Appendix A, Section 5-2.

7. Annual operating reports shall be submitted to the DER's St. Johns River District office or its designee and shall be due March 1 of each calendar year. This report shall contain records of the gasoline and petroleum (non-gasoline) throughput.

8. The permittee may continue to operate in compliance with all terms of the construction permit until the expiration date or issuance of an operating permit. The applicant will demonstrate compliance with the conditions of the construction permit and submit a complete application for an operating permit to the DER's St. Johns River District office prior to 90 days of the expiration date of the construction permit.

Issued this 22nd day of Feb, 1985.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

for VICTORIA J. TSCHINKEL, SECRETARY

_____ pages attached.

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

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

BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

PERMITTEE:
Central Florida Pipeline
120 South Riverside Plaza
Chicago, Illinois 60606

Permit Number: AC48-092241
Expiration Date: August 31, 1985
County: Orange
Latitude/Longitude: 28° 25' 19" N/
81° 22' 01" W
Project: Two additional fill connections at the triangle #1 loading rack

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

For the construction of two additional fill connections at the existing triangle #1 loading rack. Construction shall be in accordance with the attached permit application and additional information except as otherwise noted on pages 5 and 6, specific conditions.

Attachments are as follows:

1. Application to Construct an Air Pollution Source, DER Form 17-1.122(16).
2. C.H. Fancy's letter, dated September 28, 1984.
3. D.O. Theung's letter, dated October 19, 1984.
4. D.O. Theung's letter, dated January 18, 1985.

PERMITTEE:
Central Florida Pipeline

Permit Number: AC48-092241
Expiration Date: August 31, 1985

GENERAL CONDITIONS:

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

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

3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.

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

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

GENERAL CONDITIONS:

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

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

a. Having access to and copying any records that must be kept under the conditions of the permit;

b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and

c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

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

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

a. a description of and cause of non-compliance; and

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

GENERAL CONDITIONS:

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

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

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

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

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

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

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

GENERAL CONDITIONS:

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

c. Records of monitoring information shall include:

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

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

SPECIFIC CONDITIONS:

1. This source shall be allowed to operate continuously (8,760 hours per year).

2. VOC emissions shall not exceed 3.74 pounds per hour or 1.43 tons per year (35 milligrams total organic compounds per liter of gasoline loaded).

3. The annual throughput of gasoline through this nozzle shall not exceed 12,800 gallons per hour or 233,000 barrels per year.

PERMITTEE:
Central Florida Pipeline

Permit Number: AC48-092241
Expiration Date: August 31, 1985

SPECIFIC CONDITIONS:

4. Objectionable odors shall not be allowed on off-plant property.

5. Compliance with the mass emission rate limitation of Specific Condition No. 5 shall be determined in accordance with the method referenced in 17-2.700(6)(c)2.b(i), FAC (EPA 450/2-77-026, Appendix A). At least 30 days prior to the date of compliance testing, the DER's St. Johns River District office or its designee shall be notified in order to witness the test.

6. During the compliance test, the gasoline loading rate shall be representative of "normal operation" as outlined in the EPA test method guideline, EPA 450/2-77-026, Appendix A, section 5-2.

7. Annual operating reports shall be submitted to the DER's St. Johns River District office or its designee and shall be due March 1 of each calendar year. This report shall contain records of the gasoline and petroleum (non-gasoline) throughput.

8. The permittee may continue to operate in compliance with all terms of the construction permit until the expiration date or issuance of an operating permit. The applicant will demonstrate compliance with the conditions of the construction permit and submit a complete application for an operating permit to the DER's St. Johns River District office prior to 90 days of the expiration date of the construction permit.

Issued this 22nd day of Feb, 1985.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

for VICTORIA J. TSCHINKEL, SECRETARY

____ pages attached.

State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

INTEROFFICE MEMORANDUM

Routing To District Offices
And/Or To Other Than The Addressee

To: _____ Loctn.: _____
To: _____ Loctn.: _____
To: _____ Loctn.: _____
From: _____ Date: _____
Reply Optional [ ] Reply Required [ ] Info. Only [ ]
Date Due: _____ Date Due: _____

DER

FEB 22 1985

BAQM

TO: Victoria J. Tschinkel

FROM: C.H. Fancy, Deputy Chief, BAQM

DATE: February 21, 1985

SUBJECT: Approval of Attached Air Construction Permits - Nos. AC48-092240 and AC48-092241 - Central Florida Pipeline

Attached for your approval and signature are two permits to construct additional fill connections for the existing Triangle "C" and Triangle #1 tank truck loading racks at their facility in Taft, Orange County, Florida.

Day 90 is February 26, 1985.

The Bureau recommends your approval and signature.

CF/ES/rw

Attachments

RECEIVED
FEB 22 1985
Office of the Secretary

Ed.

GATX

DER
JAN 24 1985
BAQM

CENTRAL FLORIDA PIPELINE CORPORATION
subsidiary of
GATX TERMINALS CORPORATION

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

January 18, 1985

Mr. Bill Thomas
State of Florida
Department of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32301-8241

Dear Mr. Thomas:

On January 15, 1985, I spoke to Ed Svec about specific condition no. 3, page 5 of permits AC 48-092240 and AC 48-092241. This condition states maximum annual throughputs for the new nozzles. As I told Mr. Svec, these volumes are anticipated and not definite. We can not establish an exact number for throughput but we believe that the figures we presented are reasonable estimates for the next two years. Mr. Svec informed me that we can either request a revision now or modify the permits at a later date. We perfer to wait until the need to modify is evident.

However, two corrections on permit no. AC 48-092241 should be made now. Specific condition no. 3 reads 223,000 barrels/year for throughput. It should read 233,000 barrels/year. Please refer to my calculation sheet for that permit. The emissions for the above throughput is also incorrect. Specific condition no. 2 reads 1.37 tons/year. This figure was apparently calculated using the incorrect throughput figure. Emissions for 233,000 barrels/year is 1.43 tons/year.

Please make these corrections in the final draft. If you have any questions, please call me.

Yours truly,

David O. Theung
Chief Engineer

cc: Fred C. Engelman, P.E.
R. P. Brunck
R. Lien

The Orlando Sentinel

Published Daily
Orlando, Orange County, Florida

DER

JAN 21 1985

BAQM

ADVERTISING CHARGE $77.99

State of Florida
COUNTY OF ORANGE } ss.

Before the undersigned authority personally appeared Catherine Deering, 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 Proposed Agency Action in the matter of Permit to Central Florida Pipeline Corporation in the _____ Court, was published in said newspaper in the issues of January 16, 1985

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.

Catherine Deering

Sworn to and subscribed before me this 17th day of January A.D., 1985

Virginia H Hollingsworth
Notary Public

Seal

Notary Public, State of Florida at Large
My Commission Expires July 13, 1985
Bonded by American Fire & Casualty

FORM NO. AD-262

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

The Department of Environmental Regulation gives notice of its intent to issue permits to Central Florida Pipeline Corporation to construct additional fill nozzles at the applicant's existing facility on State Road 27 and Vineland Road in Taft, Orange County, Florida. A determination of best available control technology (BACT) was not required.

Persons whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must conform to the requirements of Chapters 17-103 and 28-5, Florida Administrative Code, and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Twin Towers Office Building, Tallahassee, Florida 32301, within fourteen (14) days of publication of this notice. Failure to file a request for hearing within this time period shall constitutes a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this preliminary statement. Therefore, persons who may not object to the proposed agency action may wish to intervene in the proceeding. A petition for intervention must be filed pursuant to Model Rule 28-5.207 at least five (5) days before the final hearing and be filed with the hearing officer if one has been assigned at the Division of Administrative Hearings, Department of Administration, 2009, Apalachee Parkway, Tallahassee, Florida 32301. If no hearing officer has been assigned, the petition is to be filed with the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32301. Failure to petition to intervene within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, Florida Statutes.

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

Dept. of Environmental Regulation
St. Johns River District
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803

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

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

CL-966 Jan.16,1985

PS Form 3811, Jan. 1978

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

SENDER: Complete items 1, 2, and 3.
Add your address in the "RETURN TO" space on reverse.

1. The following service is requested (check one.)
- [X] Show to whom and date delivered..... ¢
- [ ] Show to whom, date and address of delivery... ¢
- [ ] RESTRICTED DELIVERY
  Show to whom and date delivered..... ¢
- [ ] RESTRICTED DELIVERY.
  Show to whom, date, and address of delivery.$

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:
Mr. Robert P. Brunck
Central Fla. Pipeline Corp.
120 South Riverside Plaza
Chicago, IL 60606

3. ARTICLE DESCRIPTION:

REGISTERED NO.	CERTIFIED NO.	INSURED NO.
	P408530284	

(Always obtain signature of addressee or agent)

I have received the article described above.

SIGNATURE [ ] Addressee [X] Authorized agent

J. L. Welch

4. DATE OF DELIVERY: JAN 2 1985

POSTMARK

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE:

CLERK'S INITIALS

☆GPO : 1979-300-459

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

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

BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

December 28, 1984

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. Robert P. Brunck, Manager
Central Florida Pipeline Corporation
120 South Riverside Plaza
Chicago, Illinois 60606

Dear Mr. Brunck:

Attached is one copy of the Technical Evaluation and Preliminary Determination, and proposed permits to construct additional fill nozzles in Taft, Orange County, Florida.

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

Please submit, in writing, any comments which you wish to have considered concerning the department's proposed action to Mr. Bill Thomas of the Bureau of Air Quality Management.

Sincerely,

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

CHF/rw
Attachments
cc: Fred C. Engleman, P.E.
Charles Collins

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

The Department of Environmental Regulation gives notice of its intent to issue permits to Central Florida Pipeline Corporation to construct additional fill nozzles at the applicant's existing facility on State Road 27 and Vineland Road in Taft, Orange County, Florida. A determination of best available control technology (BACT) was not required.

Persons whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must conform to the requirements of Chapters 17-103 and 28-5, Florida Administrative Code, and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Twin Towers Office Building, Tallahassee, Florida 32301, within fourteen (14) days of publication of this notice. Failure to file a request for hearing within this time period shall constitutes a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this preliminary statement. Therefore, persons who may not object to the proposed agency action may wish to intervene in the proceeding. A petition for intervention must be filed pursuant to Model Rule 28-5.207 at least five (5) days before the final hearing and be filed with the hearing officer if one has been assigned at the Division of Administrative Hearings, Department of Administration, 2009, Apalachee Parkway, Tallahassee, Florida 32301. If no hearing officer has been assigned, the petition is to be filed with the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32301. Failure to petition to intervene within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, Florida Statutes.

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

Dept. of Environmental Regulation
St. Johns River District
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803

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

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

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

28-5.15 Requests for Formal and Informal Proceedings

(1) Requests for proceedings shall be made by petition to the agency involved. Each petition shall be printed typewritten or otherwise duplicated in legible form on white paper of standard legal size. Unless printed, the impression shall be on one side of the paper only and lines shall be double spaced and indented.

(2) All petitions filed under these rules should contain:

(a) The name and address of each agency affected and each agency's file or identification number, if known;

(b) The name and address of the petitioner or petitioners;

(c) All disputed issues of material fact. If there are none, the petition must so indicate;

(d) A concise statement of the ultimate facts alleged, and the rules, regulations and constitutional provisions which entitle the petitioner to relief;

(e) A statement summarizing any informal action taken to resolve the issues, and the results of that action;

(f) A demand for the relief to which the petitioner deems himself entitled; and

(g) Such other information which the petitioner contends is material.

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

In the Matter of an Application for Permits by	)	
Central Florida Pipeline Corp. 120 South Riverside Plaza Chicago, Illinois 60606	)	DER File No. AC 48-092240 AC 48-092241

INTENT TO ISSUE

The Department of Environmental Regulation hereby gives notice of its Intent to Issue, and proposed order of issuance for, permits pursuant to Chapter 403, Florida Statutes, for the proposed project as detailed in the application specified above. The Department is issuing this Intent to Issue for the reasons stated in the attached Technical Evaluation and Preliminary Determination.

The applicant, Central Florida Pipeline Corporation, applied on August 30, 1984, to the Department of Environmental Regulation for permits to construct additional fill nozzles located at the applicant's existing facility at State Road 27 and Vineland Road, Orange County, Taft, Florida.

The Department has permitting jurisdiction under Chapter 403, Florida Statutes and Florida Administrative Code Rules 17-2 and 17-4. The project is not exempt from permitting procedures. The applicant was officially notified by the Department that air construction permits were required for the proposed work.

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

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

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

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the proposed agency action. Therefore, persons who may not wish to file a petition, may wish to intervene in the proceeding. A petition for intervention must be filed pursuant to Model Rule 28-5.207 at least five (5) days before the final hearing and be filed with the hearing officer if one has been assigned at the Division of

Administrative Hearings, 2009 Apalachee Parkway, Tallahassee, Florida 32301. If no hearing officer has been assigned, the petition is to be filed with the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32301. Failure to petition to intervene within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, Florida Statues.

Executed the 28 day of December, 1984, in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

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

Copies furnished to:

Robert P. Brunck
Fred C. Engleman, P.E.
Charles Collins

Technical Evaluation
and
Preliminary Determination

Central Florida Pipeline Corporation
Orange County
Taft, Florida

Additional Fill Connections for the Triangle "C"
and Triangle #1 Tank Truck Loading Racks

Permit Numbers:
AC 48-092240
AC 48-092241

Florida Department of Environmental Regulation

Bureau of Air Quality Management

Central Air Permitting

December 29, 1984

I. Project Description

A. Applicant

Central Florida Pipeline Corporation
120 South Riverside Plaza
Chicago, Illinois 60606

B. Project and Location

The applicant proposes to construct one additional submerged fill connection on their Triangle "C" loading rack and two additional submerged fill connections on their Triangle #1 loading rack. The proposed sources will be located within the applicant's existing facility at State Road 27 and Vineland Road, Orange County, Taft, Florida. The universal transverse mercator (UTM) coordinates of the sources are Zone 17, 464.1 km East and 3143.8 km North.

C. Process and Controls

The proposed additional fill connection for the Triangle "C" loading rack will allow the applicant to load an additional 117,000 barrels of gasoline per year at a maximum rate of 6,400 gallons per hour. The volatile organic compounds generated from this new source will be controlled by the facility's existing vapor recovery system.

The two additional fill connections proposed for the Triangle #1 loading rack will allow the applicant to load an additional 223,000 barrels of gasoline per year at a maximum rate of 12,800 gallons per hour. The volatile organic compounds generated from this source will also be ocntrolled by the facility's existing vapor recovery system.

The existing vapor recovery system has the capacity to accommodate the increased loads from the proposed new sources.

II. Rule Applicability

The proposed project is located in Orange County. Orange County is designated as a nonattainment area for the pollutant ozone, FAC Rule 17-2.410.

Lowest Achievable Emission Rate (LAER) requirements, FAC Rule 17-2.640, will not apply to these sources. The sources are exempt from LAER because the total allowable emission increase is below the significant net emission increase of 40 tons per year for volatile organic compounds, FAC Rule 17-2.510(2)(d)4.

The New Source Performance Standards of 40 CFR 60, Subpart XX, Standards of Performance for Bulk Gasoline Terminals, shall apply to these sources. Emissions from the vapor collection system are not to exceed 35 milligrams of total organic compounds per liter of gasoline loaded.

III. Summary of Emissions and Air Quality Analysis

A. Emission Limitations

The pollutant emitted from the proposed sources will be volatile organic compounds. The new emissions will be controlled by the existing vapor collection system at the facility. The vapor collection system has adequate excess capacity to accommodate these additional sources.

The anticipated yearly gasoline throughput for the fill nozzle at the Triangle "C" loading rack is 117,000 barrels. The maximum loading rate through this nozzle will be 6,400 gallons per hour. Using the allowable emission rate of 35 milligrams per liter of gasoline loaded, the allowable volatile organic compounds emissions for this source are 1.87 pounds per hour or 0.72 ton per year.

The anticipated yearly gasoline throughput for the two fill nozzles at the Triangle #1 loading rack is 223,000 barrels. The maximum loading rate through these nozzles will be 12,800 gallons per hour. Using the allowable emission rate of 35 milligrams per liter of gasoline loaded, the allowable volatile organic compounds emissions for this source are 3.74 pounds per hour or 1.37 tons per year.

B. Air Quality Analysis

Ambient monitoring or modeling is not required to provide reasonable assurance that the ambient air standards will not be violated.

IV. CONCLUSION

The emission limits that will be imposed have been determined to be in compliance with all applicable requirements of FAC Rule 17-2. The permitted maximum allowable emission limits should not cause any violation of Florida's ambient air quality standards.

The general and specific conditions listed in the proposed construction permits (attached) will assure compliance with all applicable requirements of FAC Rule 17-2.

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

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

BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

PERMITTEE:
Central Florida Pipeline
120 South Riverside Plaza
Chicago, Illinois 60606

Permit Number: AC48-092240
Expiration Date: June 30, 1985
County: Orange
Latitude/Longitude: 28° 25' 19" N/
81° 22' 01" W
Project: One additional fill connection at the triangle "C" loading rack

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

For the construction of one additional fill connection at the existing triangle "C" loading rack. Construction shall be in accordance with the attached permit application and additional information except as otherwise noted on pages 5 and 6, specific conditions.

Attachments are as follows:

1. Application to Construct an Air Pollution Source, DER Form 17-1.122(16).
2. C.H. Fancy's letter, dated September 28, 1984.
3. D.O. Theung's letter, dated October 19, 1984.

PERMITTEE:
Central Florida Pipeline

Permit Number: AC48-092240
Expiration Date: June 30, 1985

GENERAL CONDITIONS:

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

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

3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.

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

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

GENERAL CONDITIONS:

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

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

a. Having access to and copying any records that must be kept under the conditions of the permit;

b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and

c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

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

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

a. a description of and cause of non-compliance; and

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

GENERAL CONDITIONS:

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

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

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

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

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

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

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

GENERAL CONDITIONS:

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

c. Records of monitoring information shall include:

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

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

SPECIFIC CONDITIONS:

1. This source shall be allowed to operate continuously (8,760 hours per year).

2. VOC emissions shall not exceed 1.87 pounds per hour or 0.72 tons per year (35 milligrams total organic compounds per liter of gasoline loaded).

3. The annual throughput of gasolone through this nozzle shall not exceed 6,400 gallons per hour or 117,000 barrels per year.

SPECIFIC CONDITIONS:

4. Objectionable odors shall not be allowed on off-plant property.

5. Compliance with the mass emission rate limitation of Specific Condition No. 5 shall be determined in accordance with the method referred in 17-2.700(6)(c)2.b(i), FAC (EPA 450/2-77-026, Appendix A). At least 30 days prior to the date of compliance testing, the DER's St. Johns River District office or its designee shall be notified in order to witness the test.

6. During the compliance test, the gasoline loading rate shall be representative of "normal operation" as outlined in the EPA test method guideline, EPA 450/2-77-026, Appendix A, Section 5-2.

7. Annual operating reports shall be submitted to the DER's St. Johns River District office or its designee and shall be due March 1 of each calendar year. This report shall contain records of the gasoline and petroleum (non-gasoline) throughput.

8. The applicant will demonstrate compliance with the conditions of the construction permit and submit a complete application for an operating permit to the DER's St. Johns River District office prior to 90 days of the expiration date of the construction permit until the expiration date or issuance of an operating permit.

Issued this _____ day of _____, 19____.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

_____
VICTORIA J. TSCHINKEL, SECRETARY

_____ pages attached.

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

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

BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

PERMITTEE:
Central Florida Pipeline
120 South Riverside Plaza
Chicago, Illinois 60606

Permit Number: AC48-092241
Expiration Date: June 30, 1985
County: Orange
Latitude/Longitude: 28° 25' 19" N/
81° 22' 01" W
Project: Two additional fill connections at the triangle #1 loading rack

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

For the construction of two additional fill connections at the existing triangle #1 loading rack. Construction shall be in accordance with the attached permit application and additional information except as otherwise noted on pages 5 and 6, specific conditions.

Attachments are as follows:

1. Application to Construct an Air Pollution Source, DER Form 17-1.122(16).
2. C.H. Fancy's letter, dated September 28, 1984.
3. D.O. Theung's letter, dated October 19, 1984.

PERMITTEE:
Central Florida Pipeline

Permit Number: AC48-092241
Expiration Date: June 30, 1985

GENERAL CONDITIONS:

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

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

3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.

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

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

GENERAL CONDITIONS:

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

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

a. Having access to and copying any records that must be kept under the conditions of the permit;

b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and

c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

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

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

a. a description of and cause of non-compliance; and

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

GENERAL CONDITIONS:

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

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

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

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

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

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

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

GENERAL CONDITIONS:

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

c. Records of monitoring information shall include:

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

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

SPECIFIC CONDITIONS:

1. This source shall be allowed to operate continuously (8,760 hours per year).

2. VOC emissions shall not exceed 3.74 pounds per hour or 1.37 tons per year (35 milligrams total organic compounds per liter of gasoline loaded).

3. The annual throughput of gasoline through this nozzle shall not exceed 12,800 gallons per hour or 223,000 barrels per year.

PERMITTEE:
Central Florida Pipeline

Permit Number: AC48-092241
Expiration Date: June 30, 1985

SPECIFIC CONDITIONS:

4. Objectionable odors shall not be allowed on off-plant property.

5. Compliance with the mass emission rate limitation of Specific Condition No. 5 shall be determined in accordance with the method referred in 17-2.700(6)(c)2.b(i), FAC (EPA 450/2-77-026, Appendix A). At least 30 days prior to the date of compliance testing, the DER's St. Johns River District office or its designee shall be notified in order to witness the test.

6. During the compliance test, the gasoline loading rate shall be representative of "normal operation" as outlined in the EPA test method guideline, EPA 450/2-77-026, Appendix A, section 5-2.

7. Annual operating reports shall be submitted to the DER's St. Johns River District office or its designee and shall be due March 1 of each calendar year. This report shall contain records of the gasoline and petroleum (non-gasoline) throughput.

8. The applicant will demonstrate compliance with the conditions of the construction permit and submit a complete application for an operating permit to the DER's St. Johns River District office prior to 90 days of the expiration date of the construction permit until the expiration date or issuance of an operating permit.

Issued this_____day of_____,
19___.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

_____
VICTORIA J. TSCHINKEL, SECRETARY

____ pages attached.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

Nº 76047

RECEIPT FOR APPLICATION FEES AND MISCELLANEOUS REVENUE

Received from Central Florida Pipeline Corp. Date October 22, 1984

Address 120 S. Riverside Plaza, Chicago, Ill. 60606 Dollars $ 200.00

Applicant Name & Address same as above

Source of Revenue

Revenue Code 001031 Application Number AC48-092240 & AC48-092241

By Patricia G Adams

CENTRAL FLORIDA PIPELINE CORP.
PLANT ACCOUNT

3183

October 19 19 84

PAY TO THE ORDER OF State of Florida Dept. of Environmental Reg. $ 200.00

Two Hundred & 00/100 DOLLARS

FIRST NATIONAL BANK OF FLORIDA
7001
DOWNTOWN OFFICE
TAMPA, FL 33601

FOR AC48-092240 & AC48-092241 7644/550

R P Brandt

[redacted]

GATX

CENTRAL FLORIDA PIPELINE CORPORATION
subsidiary of
GATX TERMINALS CORPORATION

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

October 19, 1984

C. H. Fancy, P.E.
Deputy Bureau Chief
State of Florida
Department of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32301-8241

Re: Application Numbers
AC48-092240
AC48-092241

Dear Mr. Fancy:

Listed below and attached is the information you requested in your September 28, 1984 letter.

Requested information as listed on your letter:

1. A check for processing fee is attached.
2. Attachment #2
3. Yes, both racks are serviced by the same vapor recovery unit.
4. Attachment #3
5. The current daily loading of our vapor recovery unit is about 58% of the maximum daily design.
6. Yes, the maximum throughput per hour includes the additional nozzles.
7. Attachment #7
8. There are not any other emissions resulting from the use of these nozzles.
9. Construction on new nozzles has started.
10. Attachment #10

We would appreciate you expediting these applications. Customer scheduling has limited our time. If you have any questions please call.

Your truly,

David O. Theung

Chief Engineer

DOT/dh

cc: R. Lien

Enclosure(s)

Attachment #2.

HYDROCARBON EMISSION TEST REPORT

FOR

CENTRAL FLORIDA PIPELINE

TAFT, FLORIDA

Performed by

JOHN ZINK COMPANY

4401 S. Peoria

Tulsa, Oklahoma

NOVEMBER 18, 1983

REPORT CERTIFICATION

The sampling and data analysis for the following report were performed by me or under my direct supervision.

DATE November 22, 1983

W. C. Clark

W. C. Clark

I have reviewed all testing and analytical details and certify that this report is accurate and authentic.

DATE November 22

Walter Swander

Walter Swander

SECTION I

Introduction

A Hydrocarbon Emission Test modeled after Environmental Protection Agency (E.P.A.) Method 25B as found in the Federal Register Dated August 18, 1983, was performed at the Central Florida Pipeline Bulk Fuel Loading Terminal in Pt. Taft, Florida. The six (6) hour test was performed on October 19, 1983, under the observation of the Department of Environmental Regulation.

The results of the Emission Test can be found in the following section, "Summary of Results". The raw data from which these results were obtained are given in Appendix A. The intermediate results and sample calculations are given in Appendix B.

The Central Florida Pipeline in Taft, Florida operates a complex of loading racks for the following companies; Chevron, Tenneco, Texaco, and Triangle all are able to transfer unleaded, super unleaded, diesel, jet fuel, and regular gasoline.

SECTION II

Summary of Results

Table I presents a summary of the Hydrocarbon Emission Test performed at Central Florida Pipeline Bulk Fuel Loading Complex in Taft, Florida. As indicated in Table I, the hydrocarbon emission rate was 2.4 milligrams of hydrocarbon per liter of fuel loaded and 2.9 milligrams of hydrocarbon per liter of gasoline only. This is below the E.P.A. guideline of maximum emission rate of 80 mg/l. These numbers reflect the exclusion (due to vapor leaks) of 11,103 gallons of total fuels. The definition of a leak as defined in the Federal Register (12/17/80), Paragraph 60.503, is a reading of over 10,000 ppmv.

The results of the tank truck leak checks are summarized in Table II, the table shows that two trucks loaded had a detectable or significant vapor leaks. The volume loaded on that truck was excluded from the emission rate calculation. Two percent (2%) of the trucks loaded had three (3) or more leaks.

Each loading rack was checked for vapor recovery system leaks before and after the test and none were found.

TABLE I

Hydrocarbon Emission Test Summary of Results

	All Fuels (Including Gasoline)	Gasoline Only
Process Unit Mass* Emissions	6.8274 X 10^6 MG	6.8274 X 10^6 MG
Total Liquid Volume Loaded	770,098 gallons	638,167 gallons
Liquid Volume Excluded	11,103 gallons	11,103 gallons
Net liquid volume included in emission rate calculation	758,995 gallons or 2,873,099 liters	627,064 gallons or 2,373,688 liters
Mass emission rate	2.4 Mg/l	2.9 Mg/l

*Independent of fuel loaded.

TABLE II

Summary of Tank Truck Loading and Leakage

	No Leaks	One (1) Leak	Two (2) Leaks	Three (3) or More Leaks	Total
Chevron	21	0	0	1	22
Tenneco	18	0	0	1	19
Texaco	8	0	0	0	8
Triangle	62	0	0	0	62
TOTAL	109	0	0	2	111
TOTAL PERCENT	98%	0%	0%	2%	100%

SECTION III

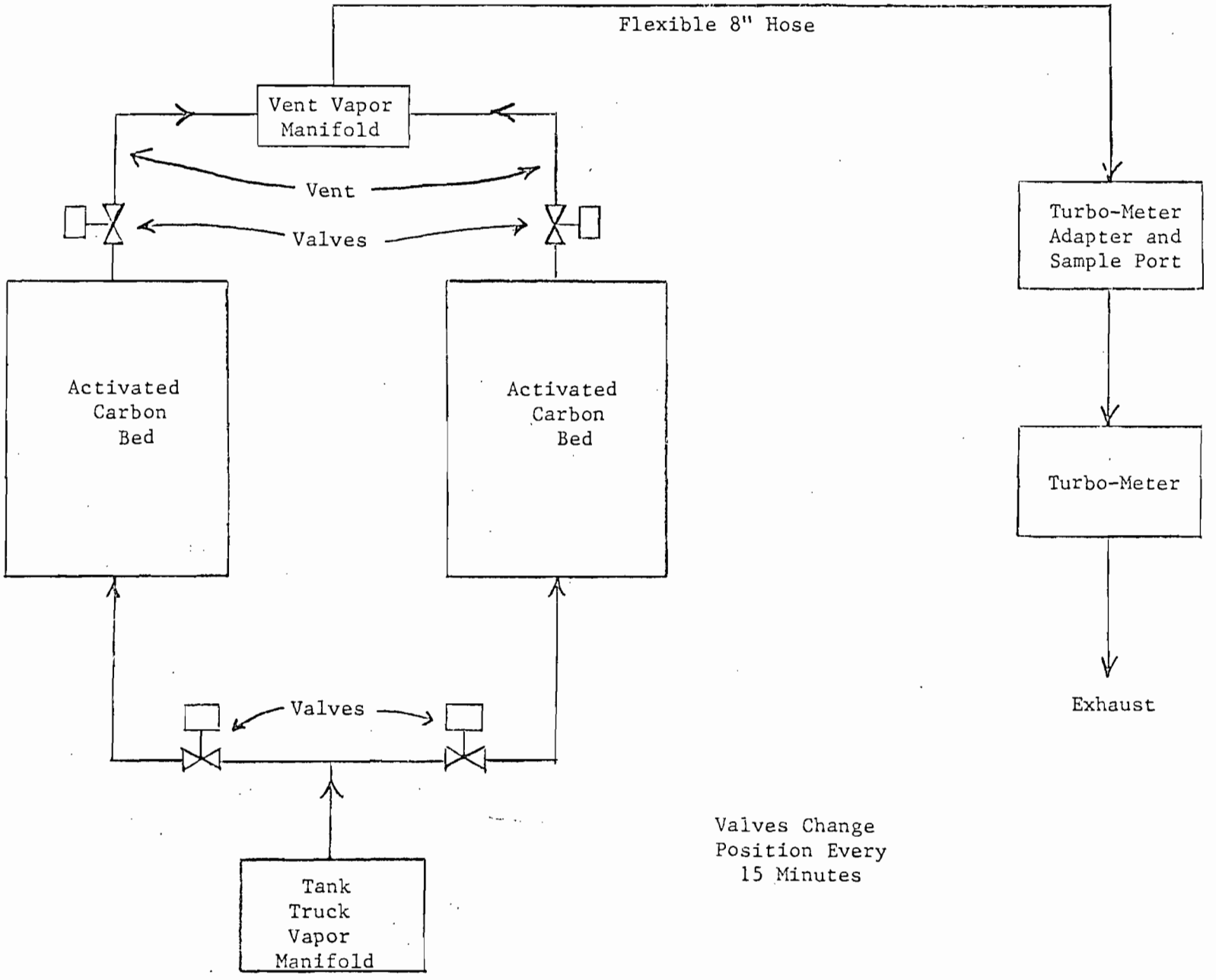
Process Unit Description and Operation

The Central Florida Pipeline operates a Carbon Adsorption/Absorption Gasoline Vapor Recovery Unit, manufactuured by the John Zink Company, for their bulk fuel loading terminal. The hydrocarbon vapors displaced from the tank trucks by the oncoming liquid are adsorbed onto one of the two activated carbon beds. During operation the carbon beds alternate approximately every 15 minutes to avoid carbon saturation and high emission levels. During the off stream cycle, the carbon bed is regenerated with a high vacuum and inert gas purge. This regeneration renews the working capacity of the carbon to adsorb hydrocarbon vapor.

A block diagram showing the process gas flow is shown on Figure 1.

FIGURE 1

PROCESS GAS FLOW AND
INSTRUMENT HOOK-UP



Valves Change
Position Every
15 Minutes

SECTION IV

Sampling and Analytical Procedures

The sampling and analytical procedures used at the Central Florida Pipeline facility are those recommended in the Federal Register, Vol. 45, No. 244, Aug. 18, 1983 and Vol. 46, No. 2, Jan. 5, 1981 (see Appendix C at the end of this report).

A number of measurements must be made to determine the hydrocarbon emission rate of the vapor recovery system. The data that must be recorded are the volume of the effluent gas, a temperature and a pressure measurement to correct the effluent volume to standard conditions, a hydrocarbon concentration of the effluent gas and the volume of fuel loaded.

The volume of the effluent gas was measured using a Rockwell Mark II, T-60, 8 inch turbo-meter in conjunction with a turbo-meter adaptor. The turbo-meter adapter is constructed to allow flow through the turbo-meter in one direction only. This accomplished with a vacuum relief valve on the up-stream side of the turbo-meter and a pressure relief valve on the downstream side. The arrangement of the duct work and analytical equipment is illustrated in Figure 2.

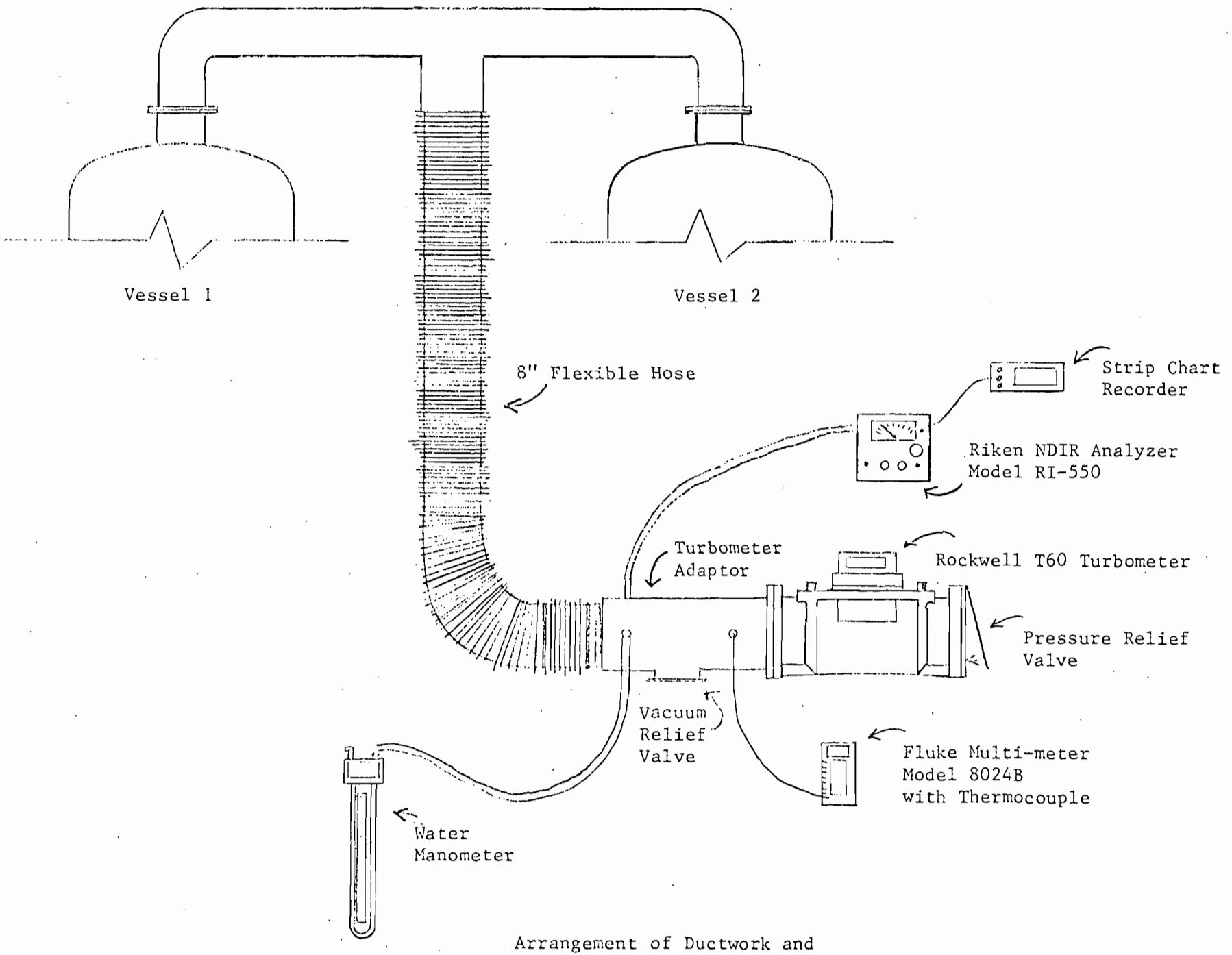
The pressure of the effluent gas was measured with a water manometer graduated in tenths of inches. The point of measurement was at the turbo-meter adaptor. Likewise, the temperature of the effluent gas was measured at the adaptor with a type K thermocouple in conjunction with a Fluke Digital Multi-meter Model 8024 B with a readout in °C.

The hycrocarbon concentration of the effluent was measured by a Riken Portable Non-dispersive Infrared Gas Analyzer, Model RI-550, calibrated for propane. Again the sample point was at the turbo-meter adaptor. The analyzer was calibrated three (3) times during the course of the test.

As recommended in the Federal Register, the above data was recorded every 5 minutes. A continuous recording of the effluent concentration was obtained using a Esterline Angus Model MS401BB Strip Chart Recorder.

Each truck that loaded during the emission test was checked for vapor leaks with a Chestec Solid State Combustible Gas Detector. When a vapor leak was found it was noted along with its location.

FIGURE 2



Arrangement of Ductwork and Analytical Equipment at Process Unit

Attachment # 3.

SECTION IV
DESIGN BASIS AND
PERFORMANCE SUMMARY

DESIGN BASIS:

PRODUCT LOADING PATTERNS

	Gasoline	Distillate	Totals	
Maximum Instantaneous Rate			8,200	GPM
15 Min. Maximum throughput			55,000	GAL
1 Hour Maximum throughput			168,000	GAL
2 Hour Maximum throughput			-	GAL
3 Hour Maximum throughput			-	GAL
4 Hour Maximum throughput			518,000	GAL
Daily Maximum throughput			1,500,000	GAL

GASOLINE PROPERTIES

Reid Vapor Pressure, psia

Summer	8
Winter	10

Temperature, Degrees Fahrenheit

Summer	86	Max.
Winter	66	Min.

DESIGN HYDROCARBON CONCENTRATION

Vapor from loading rack, mol % 35

POWER REQUIRED: Volts/Phase/Frequency . . 480 / 3 / 60

ELECTRICAL CLASSIFICATION: Class I, Group D, Division 1

PERFORMANCE:

Based on the above data, the John Zink Carbon Adsorption-Absorption Gasoline Vapor Recovery Unit Model AA-1218-11-10will have the following performance.

AVERAGE EMISSION LEVEL

30 milligrams of hydrocarbon/liter of gasoline loaded

ESTIMATED RECOVERY

1.75 gallons of hydrocarbon/1000 gallons loaded at

35 mol% inlet hydrocarbon concentration.

REGENERATION CYCLE TIME

15 minutes

REGENERATION VACUUM LEVEL

27 in. Mercury

GASOLINE CIRCULATION RATE

278 gallons/minute

PRESSURE DROP

9 inches W.C. @ 8300 gpm

POWER REQUIREMENTS

89 bhp

121.5 connected hp

PERFORMANCE GUARANTEE

John Zink Company guarantees the hydrocarbon emissions from the proposed vapor recovery system will not exceed 30 milligrams per liter of gasoline loaded at the truck loading rack averaged for any consecutive 8-hour period under normal operations subject to the following:

A. Loading rack operating conditions are defined in "Design Basis" of this manual, (see preceding page).

B. Hydrocarbons are considered to be those hydrocarbons normally found in gasoline vapors displaced when transports are loaded and does not include methane or ethane which are not controlled components.

C. Calculation of hydrocarbon emissions from the vapor recovery system will be determined by appropriate and generally accepted EPA sampling and analyzing techniques mutually satisfactory to both John Zink Company and the Buyer to establish the basis for performance acceptance by the Buyer.

D. John Zink Company is responsible only for those hydrocarbon emissions that pass through the recovery system and is not responsible for those emissions that may occur from the loading rack or from the vapor collection system due to improper truck or pipe sealing techniques.

JOHN ZINK COMPANY

ALLEGHENY INTERNATIONAL

4401 South Peoria Avenue
Tulsa, Oklahoma 74105
918/747-1371 Telex 497414

October 15, 1984

Central Florida Pipeline
2802 Maritime Boulevard
Tampa, FL 33605

Attention Mr. David Theung

RE: Capacity of the John Zink Gasoline Vapor Recovery Unit

Gentlemen:

The original system was designed to handle the following loading pattern:

Instantaneous	8,200 gpm
15 minute	55,000 gallons
1 hour	168,000 gallons
4 hour	518,000 gallons
24 hour	1,500,000 gallons

with the gasoline RVP. 8 to 10,
gasoline temp. 86°F. to 66°F.,
and a HC concentration 35%

The John Zink VRU was supplied with 11 ft. diameter by 10 ft. seam-seam carbon adsorption vessels. Originally the vessels were only filled to 75% capacity allowing room for more carbon in the event the terminal throughput was increased.

In June 1982, 8,000 pounds of carbon was added to the carbon vessels (4,000 pounds per vessel). Presently, a total of 36,100 pounds of carbon is loaded in the vessels (18,050 pounds per vessel). The addition of the extra carbon increased the product loading pattern to:

Instantaneous	Same as original
15 minute	70,000 gallons
1 hour	225,000 gallons
4 hour	750,000 gallons
24 hour	2,500,000 gallons

with the gasoline RVP	8 to 10,
gasoline temp.	86°F. to 66°F.
and a HC concentration	35%

If you have any questions regarding the above, please contact me:

Yours truly,

JOHN ZINK COMPANY

W. N. Tuttle, P.E.

djm

cc J. Parker
H. Dinsmore

GATX TERMINALS CORPORATION
120 SOUTH RIVERSIDE PLAZA, CHICAGO, IL 60606 312/621-6200

Title: Emissions Calculations - cont. Modifications under DER Permit A048-61154	Project No.	Location/C.O. No. Taft, FL / CO-82

Emissions - Maximum lbs./hr.

1. $32{,}000 \frac{gal}{HR} \cdot \frac{3.785\,l}{1\,gal} \cdot \frac{2.9\,mg}{l} \cdot \frac{1\,g}{1000\,mg} \cdot \frac{1\,lb.}{453.59\,g} = 0.774$ lbs./HR.

2. 6400 gal/HR $\cdot (2.42 \times 10^{-5}) = 0.155$ lbs/HR.

Emissions - Actual Tons/YR.

1. $\frac{2{,}386{,}989\ Bbl}{YR} \cdot \frac{42\,gal}{1\,Bbl} \cdot \frac{3.785\,l}{1\,gal} \cdot \frac{2.9\,mg}{l} \cdot \frac{1\,g}{1000\,mg} \cdot \frac{1\,lbs}{453.59\,g} \cdot \frac{1\,Ton}{2000\,lbs.}$

$= 1.21$ TONS/YR.

2. $117{,}000 (5.08 \times 10^{-7}) = 0.0595$ Tons/YR.

Allowable Emissions - lbs/HR

1. $32{,}000 \frac{gal}{HR} \cdot \frac{3.785\,l}{1\,gal} \cdot \frac{35\,mg}{l} \cdot \frac{1\,g}{1000\,mg} \cdot \frac{1\,lbs}{453.59\,g} = 9.35$ lbs/HR.

2. 6400 gal/HR $\cdot (2.92 \times 10^{-4}) = 1.87$ lbs./HR.

Potential Emissions - lbs/HR (Maximum)

1. $9.28 \frac{lbs}{1000\,gal} \cdot 32{,}000 \frac{gal}{HR} = 297$ lbs/HR.

2. $9.28 \frac{lbs}{1000\,gal} \cdot 6400 \frac{gal}{HR} = 59.4$ lbs/HR.

Potential Emissions - Tons/YR.

1. $9.28 \frac{lbs}{1000\,gal} \cdot \frac{42\,gal}{1\,Bbl.} \cdot \frac{2{,}386{,}989\ Bbl}{YR} \cdot \frac{1\,Ton}{2000\,lbs} = 465.2$ TONS/YR.

2. $9.28 \frac{lbs}{1000\,gal} \cdot \frac{42\,gal}{1\,Bbl.} \cdot 117{,}000 \frac{Bbl}{YR} \cdot \frac{1\,Ton}{2000\,lbs.} = 22.80$ TONS/YR.

Efficiency Determination - Section III, Item D

$297 \left(1 - \frac{x}{100}\right) = 0.774$ lbs/HR

$x = 99.74\%$

Prepared By D.O.T.	Date 8/28/84	Rev. No. 1	Date 10/18/84
Checked By	Date	Rev. No.	Date

Attachment #10

Year	Annual Throughput (Gal)	Actual Emissions
1979	-0-	-0-
1980	-0-	-0-
1981	-0-	-0-
1982	$5.6X10^7$	4.76
1983	$9.5X10^7$	8.14

These figures are for all sources with an allowable emission rate of 35mg/liter.

No. 0157026

RECEIPT FOR CERTIFIED MAIL

**NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL**

(See Reverse)

SENT TO
Mr. Robert P. Brunck

STREET AND NO.

P.O., STATE AND ZIP CODE

POSTAGE		$
CONSULT POSTMASTER FOR FEES — CERTIFIED FEE		¢
OPTIONAL SERVICES — SPECIAL DELIVERY		¢
OPTIONAL SERVICES — RESTRICTED DELIVERY		¢
RETURN RECEIPT SERVICE	SHOW TO WHOM AND DATE DELIVERED	¢
RETURN RECEIPT SERVICE	SHOW TO WHOM, DATE, AND ADDRESS OF DELIVERY	¢
RETURN RECEIPT SERVICE	SHOW TO WHOM AND DATE DELIVERED WITH RESTRICTED DELIVERY	¢
RETURN RECEIPT SERVICE	SHOW TO WHOM, DATE AND ADDRESS OF DELIVERY WITH RESTRICTED DELIVERY	¢
TOTAL POSTAGE AND FEES		$

POSTMARK OR DATE

9/28/84

PS Form 3800, Apr. 1976

PS Form 3811, Jan. 1979

SENDER: Complete items 1, 2, and 3.
Add your address in the "RETURN TO" space on reverse.

1. The following service is requested (check one.)
   - ☒ Show to whom and date delivered..... ¢
   - ☐ Show to whom, date and address of delivery.... ¢
   - ☐ RESTRICTED DELIVERY
     Show to whom and date delivered..... ¢
   - ☐ RESTRICTED DELIVERY.
     Show to whom, date, and address of delivery.$

(CONSULT POSTMASTER FOR FEES)

2. ARTICLE ADDRESSED TO:
Mr. Robert P. Brunck
120 S. Riverside Plaza
Chicago, Illinois

3. ARTICLE DESCRIPTION:

REGISTERED NO.	CERTIFIED NO.	INSURED NO.
	0157026	

(Always obtain signature of addressee or agent)

I have received the article described above.
SIGNATURE ☐Addressee ☐Authorized agent

4. DATE OF DELIVERY
OCT 1 1984

POSTMARK
CHICAGO, ILL. OCT 1 1984 MAIN POST OFFICE STA.

5. ADDRESS (Complete only if requested)

6. UNABLE TO DELIVER BECAUSE: CLERK'S INITIALS

RETURN RECEIPT, REGISTERED, INSURED AND CERTIFIED MAIL

☆GPO : 1979-300-459

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

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

BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

September 28, 1984

CERTIFIED MAIL - RECEIPT REQUESTED

Mr. Robert P. Brunck, Manager
Central Florida Pipeline Corporation
120 South Riverside Plaza
Chicago, Illinois 60606

Dear Mr. Brunck:

RE: Construction Applications AC 48-092240
Triangle "C" Rack and AC 48-092241 Triangle #1 Rack

The department has made a preliminary review of the above referenced applications to construct additional loading nozzles for the existing loading racks at your Taft, Florida facility. At this time, the applications are incomplete. Before the applications can be processed, the following information must be submitted and received.

1. Provide the appropriate processing fee for each application as specified in FAC Rule 17-4.05.

2. Provide a copy of the referenced "11/83 VR unit test results" for both applications.

3. Are both racks serviced by the same vapor recovery unit?

4. Provide the design capacity, manufacturer specifications and guaranteed efficiency for the vapor recovery unit(s).

5. What is the current loading of the vapor recovery unit(s)?

6. Do the figures for maximum throughput include the additional nozzles.

7. The actual and potential tons per year figures, as they are presented in AC 48-09240, seem to be in error. Please recalculate.

8. Are there any other emissions resulting from use of these new sources?

9. Construction cannot begin without a valid construction permit. Please revise the dates in the application forms.

10. Provide the annual throughput and actual emissions for all sources with an allowable emission rate of 35 mg/liter from 1979 through 1983. This is needed in order to determine if Lowest Achievable Emission Rate will apply.

When all the requested information is received, we will resume processing your applications. If you have any questions, please call Edward Svec, Review Engineer, at (904)488-1344 or write to me at the above address.

Sincerely,

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

CHF/ES/s

cc: Roger Caldwell
David Theung

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

OHNS RIVER
RICT

AGUIRE BOULEVARD
232
JDO, FLORIDA 32803

BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

ALEX SENKEVICH
DISTRICT MANAGER

R. P. Brunck, Manager
Florida Operations
Central Florida Pipeline Corporation
2802 Maritime Boulevard
Tampa, Florida 33605

Dear Mr. Brunck:

Orange County AP
Central Florida Pipeline Corporation

Enclosed is Permit Number AO48-46573 dated 2-2-82, to operate the subject pollution source, issued pursuant to Section 403.061(14), Florida Statutes.

Should you object to this permit, including any and all of the conditions contained therein, you may file an appropriate petition for administrative hearing. This petition must be filed within fourteen (14) days of the receipt of this letter. Further, the petition must conform to the requirements of Section 28-5.201, Florida Administrative Code, (copy enclosed). The petition must be filed with the Office of General Counsel, Department of Environmental Regulation, Twin Towers Office Building, 2600 Blair Stone Road, Tallahassee, Florida 32301.

If no petition is filed within the prescribed time, you will be deemed to have accepted this permit and waived your right to request an administrative hearing on this matter.

Acceptance of the permit constitutes notice and agreement that the department may periodically review this permit for compliance, including site inspections where applicable, and may initiate enforcement action for violation of the conditions and requirements thereof.

Sincerely,

A. Senkevich, P.E.
District Manager

AS:jrd JH
Enclosures
cc: A. L. Fillenwarth

DEPARTMENT OF ENVIRONMENTAL REGULATION

ROUTING AND TRANSMITTAL SLIP

ACTION NO.

ACTION DUE DATE

1. TO: (NAME, OFFICE, LOCATION) Ed Svec	INITIAL	
	DATE	
2. BAQM Tally.	INITIAL	
	DATE	
3.	INITIAL	
	DATE	
4.	INITIAL	
	DATE	

REMARKS:

AC 48-092240, 41

DER

SEP 26 1984

BAQM

INFORMATION	
	REVIEW & RETURN
	REVIEW & FILE
	INITIAL & FORWARD
DISPOSITION	
	REVIEW & RESPOND
	PREPARE RESPONSE
	FOR MY SIGNATURE
	FOR YOUR SIGNATURE
	LET'S DISCUSS
	SET UP MEETING
	INVESTIGATE & REPT
	INITIAL & FORWARD
	DISTRIBUTE
	CONCURRENCE
	FOR PROCESSING
	INITIAL & RETURN

FROM: Roger Caldwell

DATE 9-24-84

PHONE

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

ST. JOHNS RIVER
DISTRICT

3319 MAGUIRE BOULEVARD
SUITE 232
ORLANDO, FLORIDA 32803

APPLICANT:
R. P. Brunck, Manager
Florida Operations
Central Florida Pipeline Corp.
2802 Maritime Boulevard
Tampa, Florida 33605

PERMIT/CERTIFICATION
No.: AO48-46573
County: Orange
Project: Central Florida Pipeline Corporation

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

The permittee can operate a Bulk Gasoline Terminal with five (5) Tank Truck Loading Racks, four (4) of which are connected to and utilizing a carbon adsorption vapor recovery unit that is 95 (+) percent efficient to control volatile organic compounds (Hydrocarbons).

This permit includes the loading racks that are shown on the Hydrocarbon Vapor Recovery Layout (Drawing No. D-013-1-372-3) tanks 1-5.

These five (5) tank truck loading racks are located within the terminal at 9999 South State Highway 527 in Taft, Florida.

UTM: East 463,800
UTM: North 3,143,800

GENERAL CONDITIONS:

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

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

10. The permittee, by acceptance of this permit, specifically agrees to allow access to permitted source at reasonable times by department personnel presenting credentials for the purposes of inspection and testing to determine compliance with this permit and department rules.

11. This permit does not indicate a waiver of or approval of any other department permit that may be required for other aspects of the total project.

12. This permit conveys no title to land or water, nor constitutes state recognition or acknowledgement of title, and does not constitute authority for the reclamation 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.

13. This permit also constitutes:

() Determination of Best Available Control Technology (BACT)

() Determination of Prevention of Significant Deterioration (PSD)

() Certification of Compliance with State Water Quality Standards (Section 401. PL 92-500)

SPECIFIC CONDITIONS

1. Drawings, plans, documents or specifications submitted by the permittee, not attached hereto, but retained on file at the St. Johns River District Office, are made a part hereof.

2. This office (Florida Department of Environmental Regulation, Air Permitting, Orlando) shall be notified at least ten (10) days in advance of the compliance tests so that we can witness them.

3. The required test report shall be filed with the Department as soon as practical but no later than 45 days after the last sampling run of each test is completed.

4. The four Truck Loading Racks including the new rack if constructed connected to the Carbon Adsorption Vapor Recovery Unit must be tested for compliance beginning on April 15, 1982 and, thereafter, at yearly intervals from that date for VOC emissions, as follows:

VOC emissions from the Vapor Control System shall be determined by the method given in Appendix A of "Control of Hydrocarbons from Tank Truck Gasoline Loading Terminals", EPA 450/2-77-026, except an adequate sampling time is six (6) hours of operation with a loading rate of at least 75% of the capacity of the loading equipment or the maximum loading rate available as limited by the number of trucks which the terminal services on a high rate day, whichever rate is greater. This test shall be performed prior to the date of compliance and annually thereafter. Test result records shall be maintained at the terminal until the subsequent annual test and shall be made available to the Department upon request. The above reference is available from the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C., and may be inspected at the Department's Tallahassee office.

5. All problem areas causing any vapor leaks in the system including tank trucks, pipes, seals, etc. must be corrected before April 15, 1982. The entire system must always be vapor tight in order to fully utilize the Carbon Adsorption Vapor Recovery Unit.

6. The following are the standards and test for emission limits for a Vapor Collection System and shall, also, be a part of the required yearly testing, as per Section 17-2.650(1)(g)2., Florida Administrative Code, (FAC):

During loading or unloading operations at bulk plants and bulk terminals, there shall be no reading greater than or equal to 100 percent of the Lower Explosive Level (LEL, measured as propane) at 1 in. (2.5 centimeters) around the perimeter of a potential leak source as detected by a combustible gas detector using the procedure described in Appendix B of EPA 450/2-78-051, "Control of Volatile Organic Compounds from Gasoline Tank Trucks and Vapor Collection Systems."

≥ 2c the LEL leakage limit

specific condition #6 cont...

The above reference is available from the Superintendent of Documents, U. S. Government Printing Office, Washington, D.C., and may be inspected at the Department's Tallahassee office.

7. Submit for this facility, each calendar year, on or before March 1, an Annual Operations Report for the preceding calendar year as per Chapter 17-4.14, F.A.C.

8. This operation also falls under Chapter 17-2.620(1) Florida Administrative Code, "Volatile Organic Compounds Emissions or Organic Solvents Emissions."

9. The following "Applicability", "Emission Limiting Standards", and "Control Technology" refers to tank truck loading racks located within a Bulk Gasoline Terminal:

a. Applicability

The emission limiting standards or control technology set forth in 17-2.650(1)(f)10. applies to bulk gasoline terminals and the appurtenant equipment necessary to load the tank truck or trailer compartments.

b. Emission Limiting Standards

Sources affected under 17-2.650(1)(f)10.a. shall not allow mass emissions of volatile organic compounds from control equipment to exceed 4.7 grains per gallon (80 milligrams per liter) of gasoline loaded.

c. Control Technology

No person shall load gasoline into any tank trucks or trailer from any bulk gasoline terminal unless:

(1) Displaced vapors and gases are vented only to the vapor control system; and,

specific condition #9 cont...

(ii) A means is provided to prevent liquid waste from the loading device to exceed the quantity specified for the self sealing coupler or adapter according to API regulation RP 1004 (or equivalent) upon the loading device being disconnected or when it is not in use (the above referenced are available from the American Petroleum Institute, 2101 "L" Street, N.W., Washington, D.C. 20037); and

(iii) All loading and vapor lines equipped with fittings are vapor tight; and,

(iv) The bulk gasoline terminal is equipped with a vapor control system, capable of complying with 17-2.650(1)(f)10., properly installed, in good working order, in operation, and consisting of one of the following:

(A) A vapor recovery system which processes and recovers vapors and gases from the equipment being controlled; or,

(B) A vapor collection system which directs all vapors to a fuel system.

10. The following is a brief description of the five (5) Tank Truck Loading Racks that are covered under this permit:

a. The four (4) racks that are connected to the vapor recovery unit are:

- Rack #1: the east rack (triangle); submerged fill; six gasoline headers and four diesel headers.
- Rack #2: the south rack (Texaco); submerged fill, three gasoline headers, one jet fuel header, and one diesel header.
- Rack #3: the middle rack (Chevron); bottom loading; six gasoline headers and two diesel headers.
- Rack #5: the north rack (Tenneco); bottom loading; three gasoline headers.

b. The one (1) rack that is not connected to the vapor recovery unit is:

- Rack #4: a middle rack (Chevron); submerged fill, five diesel headers only.

11. This permit expires February 1,1987 and application is to be made to the appropriate DER office 60 days prior to the permit expiration.

Issued this 2 day of Feb, 19 87

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION

DISTRICT MANAGER
A. Senkevich, P.E.

EXPIRATION DATE

February 1, 1987

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

ST. JOHNS RIVER DISTRICT
[illegible] MAGUIRE BOULEVARD
SUITE 232
ORLANDO, FLORIDA 32803-3767

BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY
A. ALEXANDER, P.E.
DISTRICT MANAGER

David P. Schofield, President
Central Florida Pipeline Corporation
120 South Riverside Plaza
Chicago, Illinois 60606

Dear Mr. Schofield:

Orange County AP
Central Florida Pipeline Corp.
Triangle C Rack

Enclosed is Permit Number AO48-61154 dated 11-9-83, to operate, issued pursuant to Section 403.061(14), Florida Statutes.

Should you object to this permit, including any and all of the conditions contained therein, you may file an appropriate petition for administrative hearing. This petition must be filed within fourteen (14) days of the receipt of this letter. Further, the petition must conform to the requirements of Rule 28-5.201, Florida Administrative Code, (copy enclosed). The petition must be filed with the Office of General Counsel, Department of Environmental Regulation, Twin Towers Office Building, 2600 Blair Stone Road, Tallahassee, Florida 32301.

If no petition is filed within the prescribed time, you will be deemed to have accepted this permit and waived your right to request an administrative hearing on this matter.

Acceptance of the permit constitutes notice and agreement that the department may periodically review this permit for compliance, including site inspections where applicable, and may initiate enforcement action for violation of the conditions and requirements thereof.

Sincerely,

A. Alexander, P.E.
District Manager

AA:rcd

Enclosures

cc: Fred C. Engleman, P.E.

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

ST. JOHNS RIVER DISTRICT
3319 MAGUIRE BOULEVARD
SUITE 232
ORLANDO, FLORIDA 32803-3767

BOB GRAHAM
GOVERNOR
VICTORIA J. TSCHINKEL
SECRETARY
A. ALEXANDER, P.E.
DISTRICT MANAGER

Permittee:
David P. Schofield, President
Central Florida Pipeline Corp.
120 South Riverside Plaza
Chicago, Illinois 60606

I. D. Number:
Permit/Certification
Number: AO48-61154
Date of Issue:
Expiration Date: 11-8-88
County: Orange
Latitude/Longitude:
28°25'19"N/81°22'01"W
UTM: East 463800
UTM: North 3143800
Project: Central Florida
Pipeline Corporation
Triangle C Rack

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

The permittee can operate a tank truck bottom loading rack (Triangle C Rack) with four (4) gasoline and one (1) diesel fill connection. Gasoline VOC emissions will be controlled with an existing carbon adsorption vapor recovery unit manufactured by John Zink Company that is 95+% efficient.

This rack will make a total of five racks connected to the vapor recovery unit. The emission limitation for this rack fall under (NSPS) New Source Performance Standards and is 35 mg/liter of gasoline loaded.

This source is located at 9999 South State Road 527, in Taft, Florida.

PERMITTEE:
David P. Schofield

I. D. Number:
Permit/Certification Number:
AO48-61154
Date of Issue:
Expiration Date: 11-8-88

SPECIFIC CONDITIONS:

1. No objectionable odors will be allowed, as per Rule 17-2.620(2), F.A.C.

2. There shall be no discharges of liquid effluents or contaminated runoff from the plant site without approval from this office.

3. All unconfined emissions of particulate matter generated at this site shall be adequately controlled. (Rule 17-2.610(3), F.A.C.) Area must be watered down should unconfined emissions occur.

4. This permit does not preclude compliance with all relevant local permitting requirements and regulations.

5. Submit for this facility, each calendar year, on or before March 1, an Annual Operations Report for the preceding calendar year as per Rule 17-4.14, F.A.C.

6. No person shall load gasoline into any tank trucks or trailer from any bulk gasoline terminal unless:

(A) Displaced vapors and gases are vented only to the vapor control system; and,

(B) A means is provided to prevent liquid waste from the loading device to exceed the quantity specified for the self sealing coupler or adapter according to API regulation RP 1004 (or equivalent) upon the loading device being disconnected or when it is not in use (the above referenced are available from the American Petroleum Institute, 2101 "L" Street, Northwest, Washington, D.C. 20037); and

(C) All loading and vapor lines equipped with fittings are vapor tight; and,

(D) The bulk gasoline terminal is equipped with a vapor control system, capable of complying with Rule 17-2.650 (1)(f)10., properly installed, in good working order, in operation, and consisting of one of the following:

(a) A vapor recovery system which processes and recovers vapors and gases from the equipment being controlled; or,

(b) a vapor collection system which directs all vapors to a fuel system.

PERMITTEE:
David P. Schofield

I. D. Number:
Permit/Certification Number:
AO48-61154
Date of Issue:
Expiration Date: 11-8-88

SPECIFIC CONDITIONS:

7. Gasoline loading through the new loading rack is not permitted unless the total vacuum pump capacity (two pumps) of the vapor recovery unit is in operation, or it can be demonstrated, from the specified test method in Specific Condition Number 10, that the use of one (1) vacuum pump will meet the criteria of Specific Condition Number 8.

8. The maximum emission rate of VOC resulting from gasoline loaded through the new loading rack will be 35 mg/liter of gasoline loaded.

9. Compliance will the emission limit for this rack will be calculated by using a weighted average emission limit for all racks connected to the vapor recovery unit. This rack is under the NSPS New Source Performace Standards.

Example: 75% of total gasoline pumped during test was from the existing four (4) racks with allowable emissions of 80 mg/liter 25% of total gasoline pumped during test was from this new rack with allowable emission of 35 mg/liter.

Allowable emission for all five (5) racks would be .75(80) + .25(35) = 68.75 mg/liter

10. This source will be tested for VOC emission yearly from October 19, 1983 in accordance with Rule 17-2.700(6)(C)2.b.(i), F.A.C. (EPA 450/2-77-026, Appendix A) except for a minimum dispencing of 80,000 gallons of gasoline during the test and a minimum sampling time of (6) hours of operation with a loading rate of at least 75% of the capacity of the loading equipment or the maximum loading rate available as limited by the number of trucks which the terminal services on a high rate day, whichever rate is greater.

A. During the test all loading racks shall beopen for each product line which is controlled by the system under test.

B. Simultaneous use of more than one loading rack shall occur to the extent that such use would normally occur.

C. Simultaneous use of more than one dispenser on each loading rack shall occur to the extent that such use would normally occur.

D. Dispensing rates shall be set at the maximum rate at which the equipment is designed to be operated. Automatic product dispensers are to be used according to normal operating practices.

PERMITTEE:
David P. Schofield

I. D. Number:
Permit/Certification Number:
AO48-61154
Date of Issue:
Expiration Date: 11-8-88

SPECIFIC CONDITIONS:

11. This office (Florida Department of Environmental Regulation, Air Permitting, Orlando) shall be notified at least ten (10) days in advance of the compliance tests so that we can witness them.

12. All source sampling and monitoring must be in accordance with Rule 17-2.700, F.A.C., Stationary Point Source Emission Test Procedures.

13. The stack test data submitted must be as required in Rule 17-2.700(7), F.A.C. Florida Administrative Code, Test Reports.

14. The required test report shall be filed with the Department as soon as practical but no later than 45 days after the last test is completed.

15. You must apply for an operation permit 60 days prior to the expiration date of this permit.

Issued this 9 day of Nov
198 3

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION

DISTRICT MANAGER
A. Alexander, P.E.

3 Pages Attached

BEST AVAILABLE COPY

RECEIVED
1009
OCT 06 1982
SAINT JOHNS
RIVER DISTRICT

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Tank Truck Loading Rack [X] New[1] [ ] Existing[1]

APPLICATION TYPE: [ ] Construction [X] 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; Peeking Unit No. 2, Gas Fired)

SOURCE LOCATION: Street 999 South State Road 527 City Taft

UTM: East 463800 North 3143800

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

APPLICANT NAME AND TITLE: Central Florida Pipeline Corporation

APPLICANT ADDRESS: 120 South Riverside Plaza, Chicago, IL 60606

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative* of Central Florida Pipeline Corporation

I certify that the statements made in this application for a Operating 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: David P. Schofield

David P. Schofield, President
Name and Title (Please Type)

Date: 9/27/82 Telephone No. (312) 559-5138

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 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: Fred C Engelman P.E.

Fred C. Engelman, P. E.
Name (Please Type)

(Affix Seal)

Consulting Engineer
Company Name (Please Type)

3208 Robson Circle, Tampa, FL 33614
Mailing Address (Please Type)

Florida Registration No. 17928 Date: 10-5-82 Telephone No. (813) 933-5082

[1]See Section 17-2.02(15) and (22), Florida Administrative Code, (F.A.C.)

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 ---- Completion of Construction ----

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

Containment area and drainage system	$15,000
Connections to common piping on Vapor Recovery Systems	$ 9,400
This T/T Rack's Proportional Share of Common Vapor Recovery System	$121,500

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

See Attached Sheet

E. Is this application associated with or part of a Development of Regional Impact (DRI) pursuant to Chapter 380, Florida Statutes, and Chapter 22F-2, Florida Administrative Code? ____ Yes X No

F. Normal equipment operating time: hrs/day 24 ; days/wk 7 ; wks/yr 52 ; if power plant, hrs/yr ---- ;

if seasonal, describe: ____

G. 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? Yes
   c. If yes, list non-attainment pollutants. Hydrocarbons (VOC)
2. Does best available control technology (BACT) apply to this source? If yes, see Section VI. No
3. Does the State "Prevention of Significant Deterioriation" (PSD) requirements 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

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

Section II - General Project Information

A. Description

The Construction Application (Permit AC48-45931) proposed the construction of a petroleum tank truck loading facility equipped with ten (10) submerged fill connections.

The truck rack as constructed was built with only five (5) fill connections and as a result will operate at a maximum of 50% of original design.

The facility will be used for transferring gasolines and oils from existing storage tanks to tank trucks.

The tank truck rack is not connected to an individual vapor recovery system, but, is connected to a common carbon absorption vapor recovery system, along with four previously constructed tank truck racks. The vapor recovery system is in operation.

The ancitipated yearly volumes across the new tank truck rack are; 1,200,000 Bbls. gasoline, and 280,000 Bbls. diesel.

Project complies with DER 17-2, 17-2.03, and 17-2.04.

Tank truck rack was placed in operation April 7, 1982.

Section II - General Project Information

D. Previous DER Permits

PERMIT NO.	LOCATIONS	DATE ISSUED	DATE EXPIRES
AO48-4835	Tank 25-1	11-28-77	12-1-82
AO48-19085	Tank 9	5-24-79	5-21-84
AO48-27686	Tank 37-4	4-9-80	4-10-85
AO48-32515	Tank 40-1	7-16-85	7-16-85
AO48-46569	Tank 1054, 1055,1061, 1062,37-3, 4, 5, 6, 1059,1060, 37-1,37-2	12-6-81	12-1-86
AO48-46573	Five (5) Tk. Trk. Load Racks	2-2-82	2-1-87
AO48-51905	Tank 80-1	3-24-82	3-23-87
AO48-52700	Tank 2	4-8-82	3-31-87
AO48-52701	Tank 3	3-24-82	3-23-87
AO48-56561	Tank 1051, 1052,1053, 1056,1057	7-8-82	7-6-87

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

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

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

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

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

2. Product Weight (lbs/hr): _____

C. Airborne Contaminants Emitted:

Name of Contaminant	Emission[1]		Allowed Emission[2] Rate per Ch. 17-2, F.A.C.	Allowable[3] Emission lbs/hr	Potential Emission[4]		Relate to Flow Diagram
	Maximum lbs/hr	Actual T/yr			lbs/hr	T/yr	
Hydrocarbon	1.49	6.54	30 mg/Liter Per Gallon Gasoline	There is no criteria.	53.4	233.7	See Exhibit

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

Name and Type (Model & Serial No.)	Contaminant	Efficiency	Range of Particles[5] Size Collected (in microns)	Basis for Efficiency (Sec. V, It[5])
Carbon Adsorption/	Volital	97.2	--	Mfgr. Specs.
Absorption Vapor Recovery				
Unit				

[1] See Section V, Item 2.

[2] Reference applicable emission standards and units (e.g., Section 17-2.05(6) Table II, E. (1), F.A.C. – 0.1 pounds per million BTU heat input)

[3] Calculated from operating rate and applicable standard

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

[5] If Applicable

E. Fuels N/A

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

*Units Natural Gas, MMCF/hr; Fuel Oils, barrels/hr; Coal, lbs/hr

Fuel Analysis:

Percent Sulfur: _____ Percent Ash: _____

Density: _____ lbs/gal Typical Percent Nitrogen: _____

Heat Capacity: _____ BTU/lb _____ BTU/gal

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

F. If applicable, indicate the percent of fuel used for space heating. Annual Average N/A 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):

Stack Height: 20 ft. Stack Diameter: .833 ft.

Gas Flow Rate: 40 to 1500 ACFM Gas Exit Temperature: Ambient °F.

Water Vapor Content: -0- % Velocity: 1.0 to 35 FPS

SECTION IV: INCINERATOR INFORMATION

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

Description of Waste N/A

Total Weight Incinerated (lbs/hr) _____ Design Capacity (lbs/hr) _____

Approximate Number of Hours of Operation per day _____ days/week _____

Manufacturer _____

Date Constructed _____ Model No. _____

9. An application fee of $20, unless exempted by Section 17-4.05(3), F.A.C. The check should be made payable to the Department of Environmental Regulation.

10. With an application for operation permit, attach a Certificate of Completion of Construction indicating that the source was constructed as shown in the construction permit.

SECTION VI: BEST AVAILABLE CONTROL TECHNOLOGY

A. Are standards of performance for new stationary sources pursuant to 40 C.F.R. Part 60 applicable to the source?
[ ] Yes [X] No

Contaminant	Rate or Concentration
No Standard at this time.	

B. Has EPA declared the best available control technology for this class of sources (If yes, attach copy) [ ] Yes [X] No

Contaminant	Rate or Concentration

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

Contaminant	Rate or Concentration
Hydrocarbons	30 mg/Liter

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

1. Control Device/System: Vapor Recovery
2. Operating Principles: Carbon Adsorption/Absorption
3. Efficiency:* 97.2% or 30 mg/Liter
4. Capital Costs: $131,000*
5. Useful Life: Infinite - 20 years
6. Operating Costs: $ 5,500*
7. Energy: 87,171 KWH/Yr*
8. Maintenance Cost: $ 1,200*
9. Emissions: *Chargeable to this T/T rack.

Contaminant	Rate or Concentration
Hydrocarbons	30 mg/Liter

*Explain method of determining D 3 above.

LOADING LOSSES & EMISSIONS

C A L C U L A T I O N S

We are proposing to build a bottom loading truck facility equipped with a vapor recovery system to handle:

1,200,000 Bbls. TOTAL of Gasoline

280,000 Bbls. TOTAL of Diesel

To determine the estimated loss associated with our proposed facility we will use correlations that appear in the U. S. E. P. A. AP-42, Supplement #7, Completion of Air Pollutant Emission factors.

The loading loss equation will combine both loading and unloading losses. The equation we will be using is:

$$L_L = 12.46 \frac{SPM}{T} \left(\frac{1-EFF}{100}\right)$$

Where: S = Saturation Factor = 1.0
P = True Vapor Pressure
M = Molecular Weight
T = Bulk Temperature
EFF = The Control EFF.
L_L = Loading Loss

Loading Loss (Actual)

$$L_L = 12.46 \frac{(1.0x6.0x66)}{532} \times \left(\frac{1-97.2}{100}\right)$$

$$= .2596\#/10^3 \text{ Gallon}$$

$$L_L = .2596\#/10^3 \text{ Gallon} \times \frac{1,200,000 \text{ Bbl.} \times 42 \text{ Gal./Bbl.}}{2,000\#/\text{Ton}}$$

$$L_L = 6.54 \text{ Tons/Year}$$

Loading Loss (Potential)

$$L_L = 12.46 \frac{(1.0x6.0x66)}{532} \times \left(\frac{1-00}{00}\right)$$

$$= 9.275\#/1M \text{ Gallon}$$

$$L_L = 9.275E/1M \text{ Gal.} \times \frac{1,200,000 \text{ Bbl.} \times 42 \text{ Gal./Bbl.}}{2000\#/\text{Ton}}$$

$$L_L = 233.73 \text{ Tons/Year}$$

Loss for Diesel

$$L_L = 12.46 \frac{(.6x.01x130)}{534}$$

$$= 0.0182\#/10^3 \text{ Gallon}$$

$$L_L = 0.0182\#/10^3 \text{ Gal.} \times \frac{280{,}000 \text{ Gal.} \times 42 \text{ Gal./Bbl.}}{2000\#/\text{Ton}}$$

$$L_L = 0.107 \text{ Tons/Year}$$

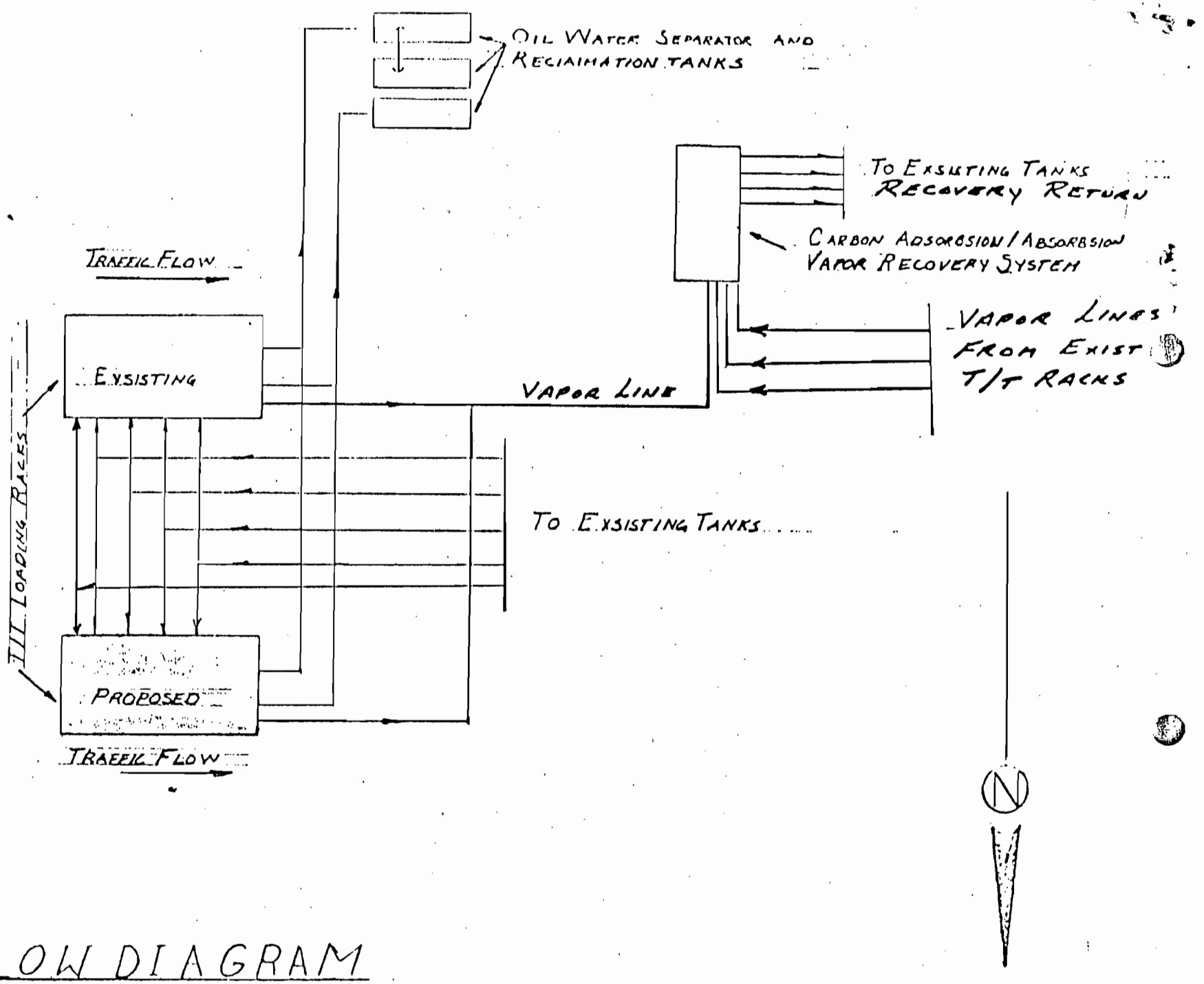
TOTALS:

Actual Losses:

Gasoline	6.540
Diesel	.107
Total	6.647

Potential Losses:

Gasoline	233.730
Diesel	0.107
Total	233.837



FLOW DIAGRAM

NO SCALE

GATX

CENTRAL FLORIDA PIPELINE CORPORATION
subsidiary of
GATX TERMINALS CORPORATION

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

September 14, 1984

Mr. Roger Caldwell
State of Florida
Department of Environmental Regulations
Suite 232
3319 Maguire Boulevard
Orlando, FL 32803-3767

Re: Permit Numbers A048-46573
A048-61154

Dear Roger:

After our phone conversation on September 13, 1984, I felt it necessary to write you and hopefully clear up some misconceptions about the operation of our loading racks and the emissions due to the proposed modifications under the above referenced permits.

The first item is the maximum hourly loading rate. Each bay of each loading rack is capable of loading a maximum of four (4) 8000 gallon tank trucks per hour. This equates to 224,0000 gallons (A048-46573) and 32,000 gallons (A048-61154) maximum in one hour, as shown on calculation sheets. These maximum rates will not increase regardless of how many fill connections are at each bay, because only three connections can be made to the truck at one time. Obviously, the proposed fill connections will not affect these loading rates.

Related to maximum loading rates are maximum emissions in pounds per hour. On the applications, I indicated the maximum emissions (lbs/hr) for each permit based on the maximum loading rates. Below that I showed the maximum emissions (lbs/hr) for the new connections only. I did not mean to imply that the new connections would increase the maximum emissions (lbs/hr). As I stated in the preceding paragraph, and as shown on the calculation sheets, these new fill connections cannot increase our maximum hourly loading rate, therefore, cannot increase the maximum emissions (lb/hr).

The actual emissions in tons per year shown on the applications were broken down into two figures. On the first line, actual emissions (tons/yr) are based on total throughput volume in 1983 for each permit plus anticipated yearly volume for our new customer. The second line shows actual emissions due to the new fill connections only. The first line includes the emissions on the second line. It should be apparent that the actual emissions (tons/yr) can increase without an increase in maximum emissions (lbs/hr) simply because there can be more hours per year when maximum hourly loading occurs. Furthermore, this increase in actual emissions is but a small percentage of our normal yearly increases due to existing customer demands.

Finally, if one were to take into consideration that our vapor recovery unit maintains an emissions rate far below the maximum allowed under each permit, one would realize that the actual emissions due to the new fill connections is far below what they would be if we were bordering the allowed emissions rate, which is, by the way, the only emission limitation stated under the permits. In view of this, I believe we are doing a good job in keeping the air clean.

I hope I have cleared up any uncertainties about our operations so that you may be able to process our applications expeditiously through the district office as modifications to existing operating permits. I have enclosed a certificate of authorization for R. P. Brunck that was not submitted with the applications.

If there are any questions or comments, please call me.

Yours truly,

David O. Theung
Chief Engineer

DOT/dh

cc: Bill Thomas
Ed Sevick

Enclosure

State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

INTEROFFICE MEMORANDUM

Routing To District Offices
And/Or To Other Than The Addressee

To: _____ Loctn.: _____
To: _____ Loctn.: _____
To: _____ Loctn.: _____
From: _____ Date: _____

Reply Optional [ ] Reply Required [ ] Info. Only [ ]
Date Due: _____ Date Due: _____

ST. JOHNS RIVER DISTRICT

TO: Bill Thomas OSJ-AP-84-0326

DER
SEP 13 1984
BAQM

THROUGH: A. Alexander

THROUGH: C. Collins cmc

THROUGH: A. T. Sawicki TS

FROM: R. Caldwell RC

DATE: September 12, 1984

SUBJECT: Orange County - AP
Central Florida Pipeline
Modification to an existing major facility

Enclosed for your review please find three (3) copies of two applications for modification to the referenced facility.

No fee has been submitted on either application. We feel these should be handled as construction permits, due to the increase in emissions.

RC:es

Enclosures

APPLICATION TRACKING SYSTEM 09/06/84

APPL NO:092241
APPL RECVD:08/31/84 TYPE CODE:AO SUBCODE:99 LAST UPDATE:09/06/84
DER OFFICE RECVD:ORL DER OFFICE TRANSFER TO:___ APPLICATION COMPLETE:__/__/__
DER PROCESSOR:R CALDWELL
APPL STATUS:AC DATE:08/31/84 (ACTIVE/DENIED/WITHDRAWN/EXEMPT/ISSUED/GENERAL)
RELIEF:__ (SSAC/EXEMPTIONS/VARIANCE)
(Y/N) N MANUAL TRACKING DISTRICT:30 COUNTY:48
(Y/N) N DNR REVIEW REQD? LAT/LONG:28.25.19/81.22.01
(Y/N) N PUBLIC NOTICE REQD? BASIN-SEQMENT:__.___
(Y/N) N GOV BODY LOCAL APPROVAL REQD? COE #:__________
(Y/N) Y LETTER OF INTENT REQD? _ (I/ISSUE D/DENY) ALT#:___-__________

PROJECT SOURCE NAME:CENTRAL FL PIPELINE CORP.
STREET:9919 PALM AVENUE CITY:TAFT
STATE:FL ZIP:_____ PHONE:___-___-____
APPLICATION NAME:CENTRAL FL PIPELINE CORP.
STREET:120 SOUTH RIVERSIDE PLAZA CITY:CHICAGO
STATE:IL ZIP:60606 PHONE:312-559-5138
AGENT NAME:FRED C. ENGELMAN, P.E.
STREET:3208 ROBSON CIRCLE CITY:TAMPA
STATE:FL ZIP:33614 PHONE:813-933-5082
FEE #1 DATE PAID:__/__/__ AMOUNT PAID:____ RECEIPT NUMBER:________

B DATE APPLICANT INFORMED OF NEED FOR PUBLIC NOTICE - - - __/__/__
C DATE DER SENT DNR APPLICATION/SENT DNR INTENT - - - - - __/__/__--__/__/__
D DATE DER REQ. COMMENTS FROM GOV. BODY FOR LOCAL APP. -. __/__/__
E DATE #1 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - __/__/__--__/__/__
E DATE #2 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - __/__/__--__/__/__
E DATE #3 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - __/__/__--__/__/__
E DATE #4 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - __/__/__--__/__/__
E DATE #5 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - __/__/__--__/__/__
E DATE #6 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - __/__/__--__/__/__
F DATE GOVERNING BODY REQUESTED SURVEY RESULTS/REPORTS - - __/__/__
G DATE FIELD REPORT WAS REQ--REC - - - - - - - - - - - - - __/__/__--__/__/__
H DATE DNR REVIEW WAS COMPLETED - - - - - - - - - - - - - __/__/__

I DATE APPLICATION WAS COMPLETE - - - - - - - - - - - - - - __/__/__
J DATE GOVERNING BODY PROVIDED COMMENTS OR OBJECTIONS - - __/__/__
K DATE NOTICE OF INTENT WAS SENT--REC TO APPLICANT - - - - __/__/__--__/__/__
L DATE PUBLIC NOTICE WAS SENT TO APPLICANT - - - - - - - - __/__/__
M DATE PROOF OF PUBLICATION OF PUBLIC NOTICE RECEIVED - - __/__/__
N WAIVER DATE BEGIN--END (DAY 90) - - - - - - - - - - - - - __/__/__--__/__/__

COMMENTS:

APPLICATION TRACKING SYSTEM 09/06/84

APPL NO:092240
APPL RECVD:08/31/84 TYPE CODE:AO SUBCODE:99 LAST UPDATE:09/06/84
DER OFFICE RECVD:ORL DER OFFICE TRANSFER TO:___ APPLICATION COMPLETE:__/__/__
DER PROCESSOR:R CALDWELL
APPL STATUS:AC DATE:08/31/84 (ACTIVE/DENIED/WITHDRAWN/EXEMPT/ISSUED/GENERAL)
RELIEF:__ (SSAC/EXEMPTIONS/VARIANCE)
(Y/N) N MANUAL TRACKING DISTRICT:30 COUNTY:48
(Y/N) N DNR REVIEW REQD? LAT/LONG:28.25.19/81.22.01
(Y/N) N PUBLIC NOTICE REQD? BASIN-SEGMENT:__.___
(Y/N) N GOV BODY LOCAL APPROVAL REQD? COE #:_____
(Y/N) Y LETTER OF INTENT REQD? _ (I/ISSUE D/DENY) ALT#:___-_____

PROJECT SOURCE NAME:CENTRAL FL PIPELINE CORP.
STREET:9919 PALM AVENUE CITY:TAFT
STATE:FL ZIP:_____ PHONE:___-___-____
APPLICATION NAME:CENTRAL FL PIPELINE CORP.
STREET:120 SOUTH RIVERSIDE PLAZA CITY:CHICAGO
STATE:IL ZIP:60606 PHONE:813-248-2148
AGENT NAME:FRED C. ENGELMAN, P.E.
STREET:3208 ROBSON CIRCLE CITY:TAMPA
STATE:FL ZIP:33614 PHONE:813-933-5082
FEE #1 DATE PAID:__/__/__ AMOUNT PAID:____ RECEIPT NUMBER:_____

B DATE APPLICANT INFORMED OF NEED FOR PUBLIC NOTICE - - - __/__/__
C DATE DER SENT DNR APPLICATION/SENT DNR INTENT - - - - - __/__/__--__/__/__
D DATE DER REQ. COMMENTS FROM GOV. BODY FOR LOCAL APP. -. __/__/__
E DATE #1 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - __/__/__--__/__/__
E DATE #2 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - __/__/__--__/__/__
E DATE #3 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - __/__/__--__/__/__
E DATE #4 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - __/__/__--__/__/__
E DATE #5 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - __/__/__--__/__/__
E DATE #6 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - - __/__/__--__/__/__
F DATE GOVERNING BODY REQUESTED SURVEY RESULTS/REPORTS - - __/__/__
G DATE FIELD REPORT WAS REQ--REC - - - - - - - - - - - - - __/__/__--__/__/__
H DATE DNR REVIEW WAS COMPLETED - - - - - - - - - - - - - __/__/__

I DATE APPLICATION WAS COMPLETE - - - - - - - - - - - - - - __/__/__
J DATE GOVERNING BODY PROVIDED COMMENTS OR OBJECTIONS - - __/__/__
K DATE NOTICE OF INTENT WAS SENT--REC TO APPLICANT - - - - __/__/__--__/__/__
L DATE PUBLIC NOTICE WAS SENT TO APPLICANT - - - - - - - - __/__/__
M DATE PROOF OF PUBLICATION OF PUBLIC NOTICE RECEIVED - - __/__/__
N WAIVER DATE BEGIN--END (DAY 90) - - - - - - - - - - - - - __/__/__--__/__/__

COMMENTS:

GATX

CENTRAL FLORIDA PIPELINE CORPORATION
subsidiary of
GATX TERMINALS CORPORATION

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

DER

SEP 13 1984

BAQM

August 30, 1984

Re: Permit Nos. A048-46573
A048-61154

Mr. Roger Caldwell
State of Florida
Department of Environmental Regulations
Suite 232
3319 Maguire Boulevard
Orlando, Florida 32803-3767

Dear Mr. Caldwell:

Central Florida Pipeline Corporation proposes to modify existing equipment under each of the above referenced operating permits. Modifications include installing two (2) additional fill connections on the existing loading rack under permit A048-46573 and one (1) additional fill connection on the existing loading rack under permit A048-61154.

Please find enclosed four (4) copies of DER "Application to Operate Air Pollution Sources" for each permit. These applications are being submitted to modify the existing operating permits.

As I discussed with you over the phone on 8/29/84, testing of our vapor recovery unit is planned for early October 1984. We would like to have these modifications permitted before then so they will be included on this next test. We would appreciate your expeditious handling of these applications so this may be accomplished. I believe it would be avantageous to all parties concerned if this is done.

If there are any questions or comments, please don't hesitate to call me at 813/248-2148.

Yours truly,

David O. Theung
Chief Engineer

Enclosures

AC48-092240N

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Tank truck loading rack [ ] New[1] [X] Existing[1]

APPLICATION TYPE: [ ] Construction [ ] Operation [x] 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; Peeking Unit No. 2, Gas Fired) Tank truck rack vapor recovery unit

SOURCE LOCATION: Street 9919 Palm Avenue City Taft

UTM: East 463800 North 3143800

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

APPLICANT NAME AND TITLE: Central Florida PIpeline Corporation

APPLICANT ADDRESS: 120 South Riverside Plaza, Chicago, IL 60606

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned ~~owner~~ or authorized representative* of Central Florida Pipeline Corporation

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

*Attach letter of authorization

Signed: R. P. Brunck

Robert P. Brunck, Manager
Name and Title (Please Type)

Date: _____ 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 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: Fred C Engelman PE

Fred C. Engelman, P. E.
Name (Please Type)

Consulting Engineer
Company Name (Please Type)

3208 Robson Circle, Tampa, FL 33614
Mailing Address (Please Type)

(Affix Seal)

FRED C ENGELMAN CERTIFICATE NO 17928 STATE OF FLORIDA REGISTERED ENGINEER

Florida Registration No. 17928 Date: _____ Telephone No. 813/933-5082

[1]See Section 17-2.02(15) and (22), Florida Administrative Code, (F.A.C.)

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 September 30, 1984 Completion of Construction January 31, 1985

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.)

See DER Permit #AC48-42931

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

See attached sheet

E. Is this application associated with or part of a Development of Regional Impact (DRI) pursuant to Chapter 380, Florida Statutes, and Chapter 22F-2, Florida Administrative Code? ____ Yes __X__ No

F. Normal equipment operating time: hrs/day 24 ; days/wk 7 ; wks/yr 52 ; if power plant, hrs/yr ____ ;

if seasonal, describe: ____

G. 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? ____

   a. If yes, has "offset" been applied? ____

   b. If yes, has "Lowest Achievable Emission Rate" been applied? ____

   c. If yes, list non-attainment pollutants.

2. Does best available control technology (BACT) apply to this source? If yes, see Section VI. ____

3. Does the State "Prevention of Significant Deterioriation" (PSD) requirements apply to this source? If yes, see Sections VI and VII. ____

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

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

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

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

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

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

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

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

2. Product Weight (lbs/hr): _____

C. Airborne Contaminants Emitted: See "Emissions Calculations" Attachment

	Name of Contaminant	Emission[1] Maximum lbs/hr	Emission[1] Actual T/yr	Allowed Emission[2] Rate per Ch. 17-2, F.A.C.	Allowable[3] Emission lbs/hr	Potential Emission[4] lbs/hr	Potential Emission[4] T/yr	Relate to Flow Diagram
1	Hydrocarbons	0.77	1.15 NO	35 mg/liter	9.35	297.0	442.4 NO	
2	Hydrocarbons	0.155	.0595	gasoline loaded	1.87	59.4	22.80	
				DER Permit				
				#AO48-61154				

1. Based on total thruput volume under exist. permit plus additional volume thru new connection.
2. Based on anticipated thruput volume thru new connection only.

D. Control Devices: (See Section V, Item 4) See DER Permit #AC48-42931

Name and Type (Model & Serial No.)	Contaminant	Efficiency	Range of Particles[5] Size Collected (in microns)	Basis for Efficiency (Sec. V, It[5])
Carbon Adsorption/	Hydrocarbon	99.74		Nov. 1983
Absorption Vapor				Emissions
Recovery Unit				Test on
				V.R. Unit

[1]See Section V, Item 2.

[2]Reference applicable emission standards and units (e.g., Section 17-2.05(6) Table II, E. (1), F.A.C. – 0.1 pounds per million BTU heat input)

[3]Calculated from operating rate and applicable standard

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

[5]If Applicable

E. Fuels N/A

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

*Units Natural Gas, MMCF/hr; Fuel Oils, barrels/hr; Coal, lbs/hr

Fuel Analysis:

Percent Sulfur: _____ Percent Ash: _____

Density: _____ lbs/gal Typical Percent Nitrogen: _____

Heat Capacity: _____ BTU/lb _____ BTU/gal

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

_____

F. If applicable, indicate the percent of fuel used for space heating. Annual Average _____ Maximum _____

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

_____

_____

_____

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

Stack Height: 20 ft. Stack Diameter: 1.0 ft.

Gas Flow Rate: 40-1500 ACFM Gas Exit Temperature: Ambient °F.

Water Vapor Content: -0- % Velocity: 1.0 to 35 FPS

SECTION IV: INCINERATOR INFORMATION

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

Description of Waste _____

Total Weight Incinerated (lbs/hr) _____ Design Capacity (lbs/hr) _____

Approximate Number of Hours of Operation per day _____ days/week _____

Manufacturer _____

Date Constructed _____ Model No. _____

	Volume $(ft)^3$	Heat Release (BTU/hr)	Fuel		Temperature (°F)
			Type	BTU/hr	
Primary Chamber					
Secondary Chamber					

Stack Height: _____ ft. Stack Diameter _____ Stack Temp. _____

Gas Flow Rate: _____ ACFM _____ DSCFM* Velocity _____ FPS

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

Type of pollution control device: [ ] Cyclone [ ] Wet Scrubber [ ] Afterburner [ ] Other (specify) _____

Brief description of operating characteristics of control devices: _____

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

SECTION V: SUPPLEMENTAL REQUIREMENTS

Please provide the following supplements where required for this application.

1. Total process input rate and product weight – show derivation.
2. To a construction application, attach basis of emission estimate (e.g., design calculations, design drawings, pertinent manufacturer's test data, etc.,) and attach proposed methods (e.g., FR Part 60 Methods 1, 2, 3, 4, 5) to show proof of compliance with applicable standards. To an operation application, attach test results or methods used to show proof of compliance. Information provided when applying for an operation permit from a construction permit shall be indicative of the time at which the test was made.
3. Attach basis of potential discharge (e.g., emission factor, that is, AP42 test).
4. With construction permit application, include design details for all air pollution control systems (e.g., for baghouse include cloth to air ratio; for scrubber include cross-section sketch, etc.).
5. With construction permit application, attach derivation of control device(s) efficiency. Include test or design data. Items 2, 3, and 5 should be consistent: actual emissions = potential (1-efficiency).
6. An 8½" x 11" flow diagram which will, without revealing trade secrets, identify the individual operations and/or processes. Indicate where raw materials enter, where solid and liquid waste exit, where gaseous emissions and/or airborne particles are evolved and where finished products are obtained.
7. An 8½" x 11" plot plan showing the location of the establishment, and points of airborne emissions, in relation to the surrounding area, residences and other permanent structures and roadways (Example: Copy of relevant portion of USGS topographic map).
8. An 8½" x 11" plot plan of facility showing the location of manufacturing processes and outlets for airborne emissions. Relate all flows to the flow diagram.

9. An application fee of $20, unless exempted by Section 17-4.05(3), F.A.C. The check should be made payable to the Department of Environmental Regulation.

10. With an application for operation permit, attach a Certificate of Completion of Construction indicating that the source was constructed as shown in the construction permit.

SECTION VI: BEST AVAILABLE CONTROL TECHNOLOGY

A. Are standards of performance for new stationary sources pursuant to 40 C.F.R. Part 60 applicable to the source?
[X] Yes [ ] No

Contaminant	Rate or Concentration
Hydrocarbons	35 mg/liter gasoline loaded

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
Hydrocarbons	35 mg/liter gasoline loaded

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

1. Control Device/System: Vapor Recovery Unit
2. Operating Principles: , Carbon Adsorption/Absorption
3. Efficiency:* 97.2% Mfgr. Guarantee
4. Capital Costs: $151,500
5. Useful Life: 20 yrs.
6. Operating Costs: $4,000/yr.
7. Energy: 57,330 KWH/yr.
8. Maintenance Cost: $2,000/yr
9. Emissions:

Contaminant	Rate or Concentration
Hydrocarbons	30 mg/liter gasoline loaded

*Explain method of determining D 3 above.

10. Stack Parameters

a. Height: 20 ft. b. Diameter: 1.0 ft.

c. Flow Rate: 40-1500 ACFM d. Temperature: Ambient °F

e. Velocity: 1.0-35 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*: d. Capital Cost:

e. Useful Life: f. Operating Cost:

g. Energy*: 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*: d. Capital Cost:

e. Useful Life: f. Operating Cost:

g. Energy**: h. Maintenance Costs:

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:

*Explain method of determining efficiency.

**Energy to be reported in units of electrical power – KWH design rate.

3.

a. Control Device:

b. Operating Principles:

c. Efficiency*: d. Capital Cost:

e. Life: f. Operating Cost:

g. Energy: h. Maintenance Cost:

*Explain method of determining efficiency above.

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*:

d. Capital Cost:

e. Life:

f. Operating Cost:

g. Energy:

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: See Section VI, Item D
2. Efficiency*:
3. Capital Cost:
4. Life:
5. Operating Cost:
6. Energy:
7. Maintenance Cost:
8. Manufacturer:
9. Other locations where employed on similar processes:

a.

(1) Company:

(2) Mailing Address:

(3) City:

(4) State:

(5) Environmental Manager:

(6) Telephone No.:

*Explain method of determining efficiency above.

(7) Emissions*:

Contaminant	Rate or Concentration

(8) Process Rate*:

b.

(1) Company:

(2) Mailing Address:

(3) City:

(4) State:

*Applicant must provide this information when available. Should this information not be available, applicant must state the reason(s) why.

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions*:

Contaminant	Rate or Concentration

(8) Process Rate*:

10. Reason for selection and description of systems:

*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^{2*} _____ 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.

2. Instrumentation, Field and Laboratory

a) Was instrumentation EPA referenced or its equivalent? _____ Yes _____ No

b) Was instrumentation calibrated in accordance with Department procedures? _____ Yes _____ No _____ Unknown

B. Meteorological Data Used for Air Quality Modeling

1. _____ Year(s) of data from ____/____/____ to ____/____/____
month day year month day year

2. Surface data obtained from (location) _____

3. Upper air (mixing height) data obtained from (location) _____

4. Stability wind rose (STAR) data obtained from (location) _____

C. Computer Models Used

1. _____ Modified? If yes, attach description.

2. _____ Modified? If yes, attach description.

3. _____ Modified? If yes, attach description.

4. _____ Modified? If yes, attach description.

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

D. Applicants Maximum Allowable Emission Data

Pollutant	Emission Rate
TSP	_____ grams/sec
SO^2	_____ grams/sec

E. Emission Data Used in Modeling

Attach list of emission sources. Emission data required is source name, description on 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.

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

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

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

August 27, 1984

Section II, Item A

Central Florida Pipeline Corporation proposes to install one (1) submerged fill connection on the existing north Triangle rack. This rack is designated as Triangle C rack on DER Permit A048-61154.

This fill connection will be used to transfer gasoline from existing storage tanks to tank trucks. Anticipated yearly throughput is 117,000 barrels.

This rack is presently connected to a carbon adsorption/ absorpton gasoline vapor recovery unit. The last performance test on the vapor recovery unit conducted in November 1983 indicated an average hydrocarbon emissions rate of 2.9 mg/liter of gasoline loaded over a six (6) hour period.

At maximum design capacity, our vapor recovery unit will maintain the emissions rate below the maximum allowable under this permit of 35 mg/liter of gasoline loaded. Our total throughput, including the additional product dispensed through the new connection, will be considerably lower than the maximum design capacity of our vapor recovery unit. Therefore, the emissions rate will be maintained below the maximum allowable for this permit.

D.E.R. PERMITS - TAFT

Permit No.	Tank/Other	Date Issued	Date Expires
AO48-19085	Tank 9	5-24-79	5-21-84
AO48-27686	Tank 37-4	4-9-80	4-10-85
AO48-32515	Tank 40-1	7-17-80	7-16-85
AO48-46569	Tanks 1054, 1055,1061, 1062,37-3, 4,5,6, 1059,1060, 37-1,37-2	12-6-81	12-1-86
AO48-46573	Five (5) Tank Truck Load Racks	2-2-82	2-1-87
AO48-51905	Tank 80-1	3-24-82	3-23-87
AO48-52700	Tank 2	4-8-82	3-31-87
AO48-52701	Tank 3	3-24-82	3-23-87
AO48-56561	Tanks 1051, 1052,1053, 1056,1057	7-8-82	7-6-87
AO48-61758	Tank 25-1	11-29-82	11-15-87
AO48-61154	One (1) Tank Truck Load Rack	11-9-83	11-8-88
AO48-81650	Tank 1054 With IFR	3-14-84	3-9-89
AO48-82798	Tank 60-1	4-9-84	4-5-89
AC48-71398	Tank 10*	11-16-83	12-31-84

*8000gal. Additive Tank

Revised 8-28-84

GATX TERMINALS CORPORATION
120 SOUTH RIVERSIDE PLAZA, CHICAGO, IL 60606 312/621-6200

Title: Emissions Calculations - Modifications under DER Permit A048-61154	Project No.	Location/C.O. No. Taft, FL / CO-82

Emissions calculations are based on the following:

1. Actual Emissions rate = 2.9 mg/liter gasoline loaded (see 11/83 V.R. unit test results) 608,266,252.4 mg/yr / 31,351,320 gal/yr
2. Allowable Emissions rate = 35 mg/liter gasoline loaded (Per DER Permit A048-61154) 7,341,144,426 / 378,378,000
3. Maximum Thruput per hour, total = 32,000 gal., gasoline
4. Maximum Thruput per hour, new connection only = 6400 gal., gasoline
5. 1983 Thruput Volume under Permit A048-61154 = 95,339,538 gal / 209,746,983.6 liters = 2,269,989 Bbl., gasoline
6. Anticipated Volume thru new connection = 4,914,000 gal / 10,810,800 liters = 117,000 Bbl., gasoline
7. Anticipated total volume = 2,386,989 Bbl., gasoline
8. Potential Emissions calculated in accordance w/ AP-42, Supplement #7:

$$L_L = 12.46\left[\frac{SPM}{T}\right] = \text{Emissions in lbs}/10^3\text{gal loaded}$$

S = Saturation Factor = 1.0
P = True Vapor Pressure = 6.0 psia
M = Molecular Mass = 66
T = Bulk Temperature = 532

$$L_L = 12.46\left[\frac{1.0(6.0)66}{532}\right] = 9.28 \text{ lbs}/10^3\text{gal}$$

Prepared By D.O.T.	Date 8/28/84	Rev. No.	Date
Checked By	Date	Rev. No.	Date

Title: Emissions Calculations - cont. Modifications under DER Permit A048-61154	Project No.	Location/C.O. No. Taft, FL / CO-82

Emissions - Maximum lbs./hr.

1. $32{,}000 \frac{gal}{HR} \cdot \frac{3.785\,l}{1\,gal} \cdot \frac{2.9\,mg}{l} \cdot \frac{1\,g}{1000\,mg} \cdot \frac{1\,lb.}{453.59\,g} = 0.774$ lbs./HR. OK

2. $6400\ gal/HR \cdot (2.42 \times 10^{-5}) = 0.155$ lbs/HR. OK

Emissions - Actual Tons/yr.

1. $2{,}269{,}989 \frac{Bbl}{YR} \cdot \frac{42\,gal}{1\,Bbl} \cdot \frac{3.785\,l}{1\,gal} \cdot \frac{2.9\,mg}{l} \cdot \frac{1\,g}{1000\,mg} \cdot \frac{1\,lbs}{453.59\,g} \cdot \frac{1\,Ton}{2000\,lbs.}$

$= 1.15$ Tons/YR. OK

2. $117{,}000 (5.08 \times 10^{-7}) = 0.0595$ Tons/YR. OK

Allowable Emissions - lbs/HR

1. $32{,}000 \frac{gal}{HR} \cdot \frac{3.785\,l}{1\,gal} \cdot \frac{35\,mg}{l} \cdot \frac{1\,g}{1000\,mg} \cdot \frac{1\,lbs}{453.59\,g} = 9.35$ lbs/HR. OK

2. $6400\ gal/HR \cdot (2.92 \times 10^{-4}) = 1.87$ lbs./HR. OK

Potential Emissions - lbs/HR (Maximum)

1. $9.28 \frac{lbs}{1000\,gal} \cdot 32{,}000 \frac{gal}{HR} = 297$ lbs/HR. OK

2. $9.28 \frac{lbs}{1000\,gal} \cdot 6400 \frac{gal}{HR} = 59.4$ lbs/HR. OK

Potential Emissions - Tons/yr.

1. $9.28 \frac{lbs}{1000\,gal} \cdot \frac{42\,gal}{1\,Bbl.} \cdot 2{,}269{,}989 \frac{Bbl}{YR} \cdot \frac{1\,Ton}{2000\,lbs} = 442.4$ Tons/YR. OK

2. $9.28 \frac{lbs}{1000\,gal} \cdot \frac{42\,gal}{1\,Bbl.} \cdot 117{,}000 \frac{Bbl}{YR} \cdot \frac{1\,Ton}{2000\,lbs.} = 22.80$ Tons/YR. OK

Efficiency Determination - Section III, Item D

$297 \left(1 - \frac{x}{100}\right) = 0.774$ lbs/HR

$x = 99.74\%$ OK

Prepared By D.O.T.	Date 6/28/84	Rev. No.	Date
Checked By	Date	Rev. No.	Date

PINE CASTLE, FLA.

N2822.5–W8115/7.5

1953

PHOTOREVISED 1970

AMS 4740 IV NE–SERIES V847

1 0 1 M

1000 0 1000 2000 4000 5000 6000 7000 FEET

1 .5 0 1 KILOMETER

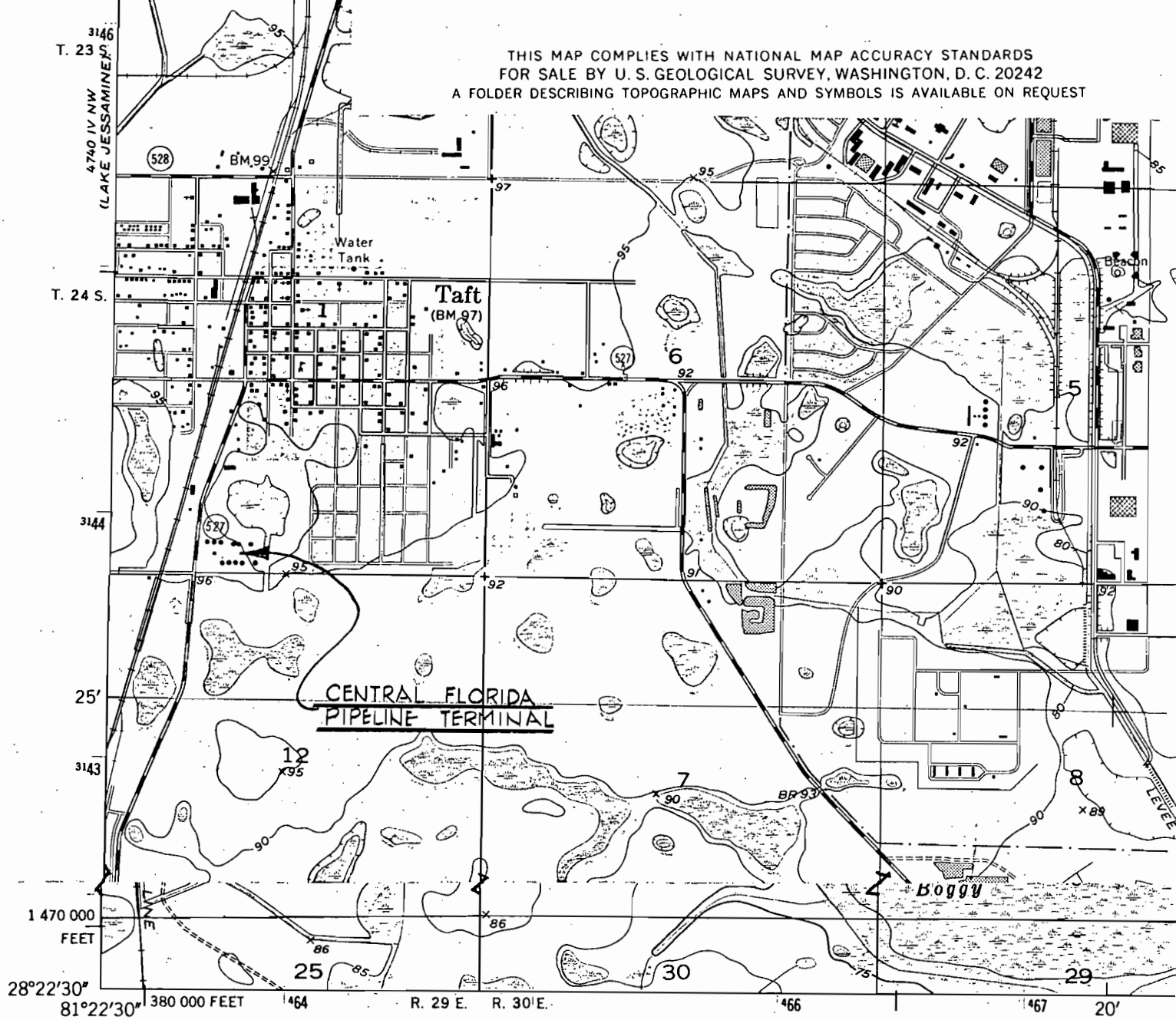
CONTOUR INTERVAL 5 FEET

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



Mapped, edited, and published by the Geological Survey

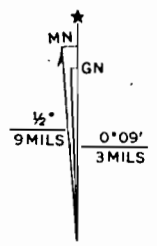
Control by USGS, USC&GS, and USCE

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

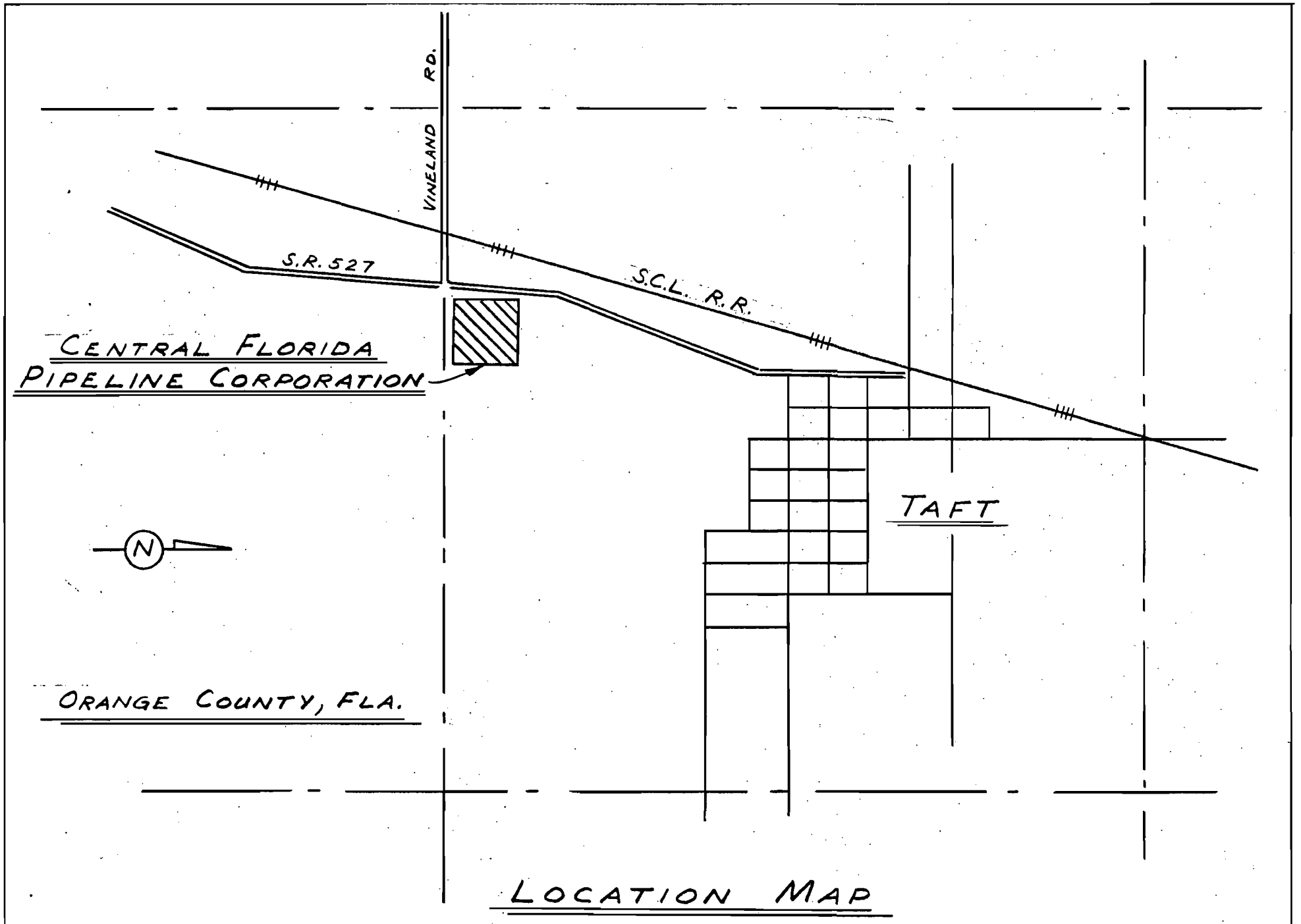
Polyconic projection. 1927 North American datum
10,000-foot grid based on Florida coordinate system, east zone
1000-meter Universal Transverse Mercator grid ticks, zone 17, shown in blue

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

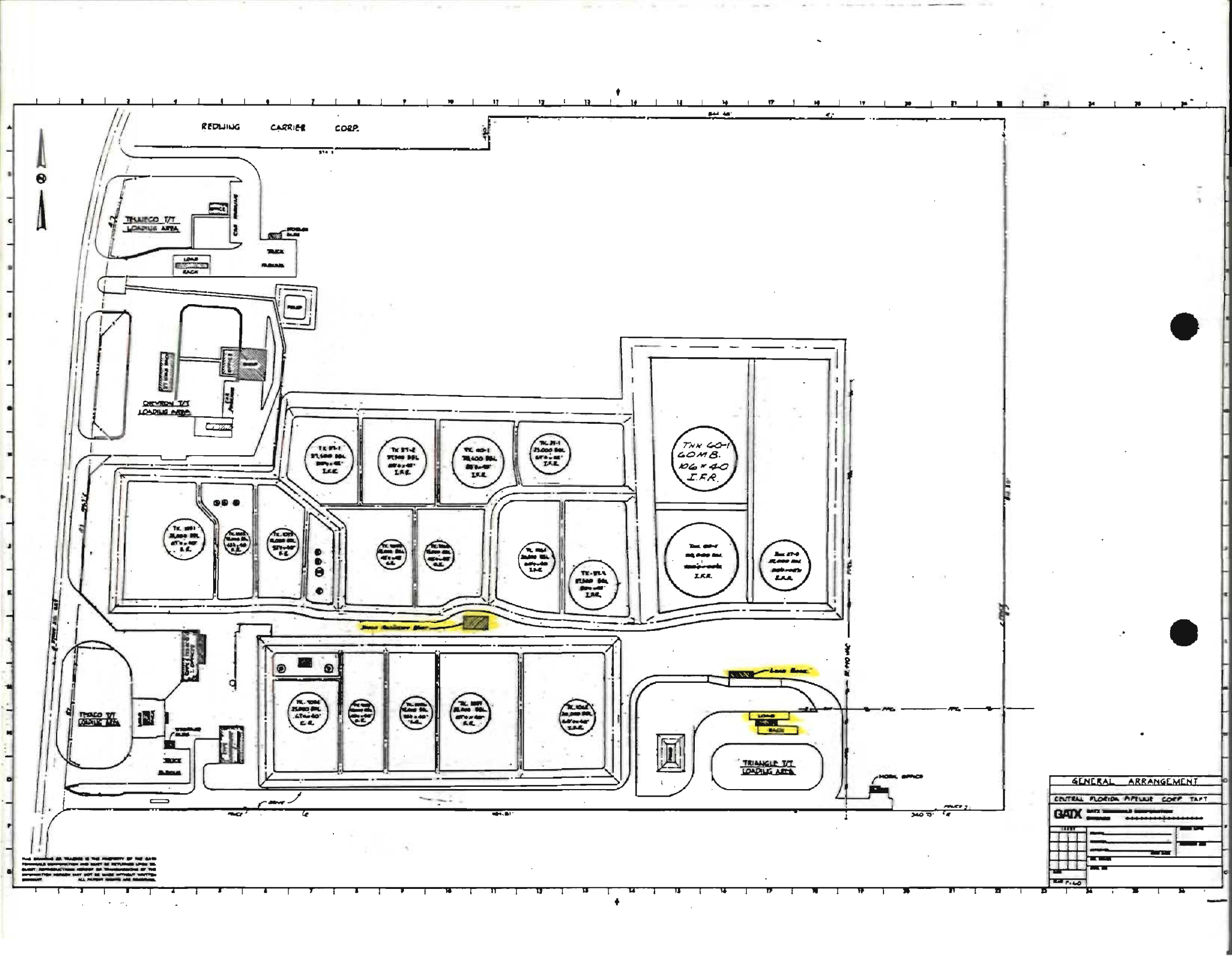
Purple tint indicates extension of urban areas



UTM GRID AND 1970 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET



LOCATION MAP


REDDING CARRIER CORP.
TEXACO T/T LOADING AREA
CHEVRON T/T LOADING AREA
TNK 601 60MB. 106'x40 I.F.R.
TEXACO T/T LOADING AREA
TRIANGLE T/T LOADING AREA
MOBIL OFFICE
GENERAL ARRANGEMENT
CENTRAL FLORIDA PIPELINE CORP TAFT
GATX

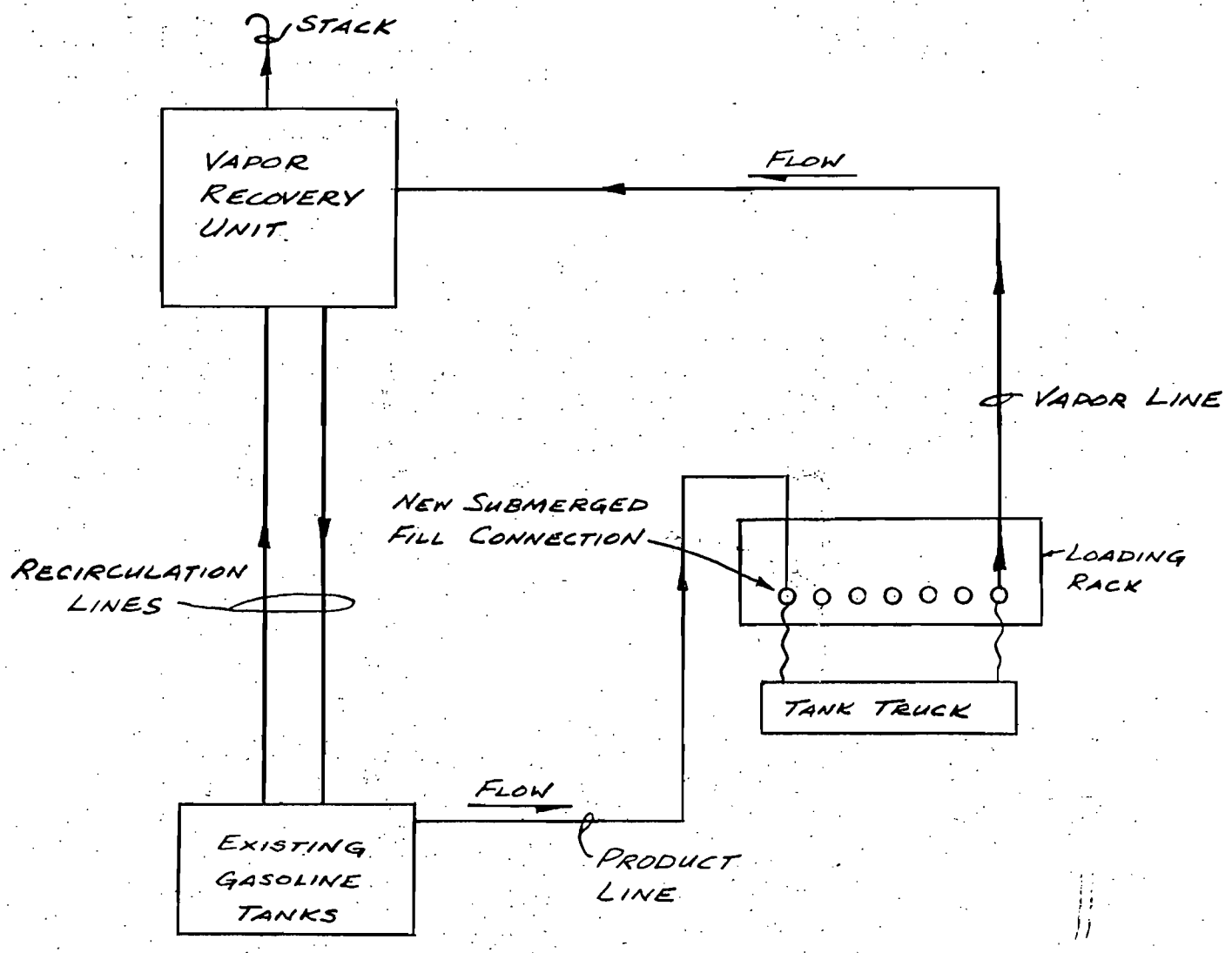
GATX

GATX TERMINALS CORPORATION

120 SOUTH RIVERSIDE PLAZA, CHICAGO, IL 60606 312/621-6200

Page 1 of 1

Title: FLOW DIAGRAM OF VAPOR RECOVERY SYSTEM	Project No.	Location/C.O. No. Taft, FL/CO-82



Prepared By D.O.T.	Date 8/28/84	Rev. No.	Date
Checked By	Date	Rev. No.	Date

ENG—1001T.S.

AC48-092241

DER

SEP 13 1984

BAQM

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Tank truck loading rack [ ] New[1] [X] Existing[1]

APPLICATION TYPE: [ ] Construction [ ] Operation [X] 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; Peeking Unit No. 2, Gas Fired) Tank truck racks' vapor recovery unit

SOURCE LOCATION: Street 9919 Palm Avenue City Taft

UTM: East 463800 North 3143800

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

APPLICANT NAME AND TITLE: Central Florida Pipeline Corporation

APPLICANT ADDRESS: 120 South Riverside Plaza, Chicago, Illinois 60606

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative* of Central Florida Pipeline Corporation

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

*Attach letter of authorization

Signed: R. P. Brunck

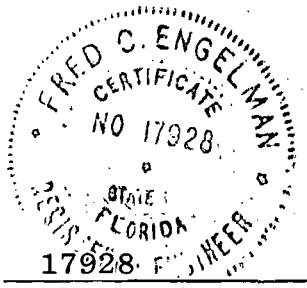
Robert P. Brunck, Manager
Name and Title (Please Type)

Date: _____ 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 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.

(Affix Seal)



Signed: Fred C Engleman PE

Fred C. Engleman, P. E.
Name (Please Type)

Consulting Engineer
Company Name (Please Type)

3208 Robson Circle, Tampa, FL33614
Mailing Address (Please Type)

Florida Registration No. 17928 Date: _____ Telephone No. 813/933-5082

[1]See Section 17-2.02(15) and (22), Florida Administrative Code, (F.A.C.)

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 September 30, 1984 Completion of Construction January 31, 1985

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.)

see DER Permit # AC48-25608

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

see attached sheet

E. Is this application associated with or part of a Development of Regional Impact (DRI) pursuant to Chapter 380, Florida Statutes, and Chapter 22F-2, Florida Administrative Code? ____ Yes X No

F. Normal equipment operating time: hrs/day 24 ; days/wk 7 ; wks/yr 52 ; if power plant, hrs/yr ____ ;

if seasonal, describe: ____

G. 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? ____

   a. If yes, has "offset" been applied? ____

   b. If yes, has "Lowest Achievable Emission Rate" been applied? ____

   c. If yes, list non-attainment pollutants.

2. Does best available control technology (BACT) apply to this source? If yes, see Section VI. ____

3. Does the State "Prevention of Significant Deterioriation" (PSD) requirements apply to this source? If yes, see Sections VI and VII. ____

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

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

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

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

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

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

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

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

2. Product Weight (lbs/hr): _____

C. Airborne Contaminants Emitted: see "Emissions Calculations" attachment

	Name of Contaminant	Emission[1] Maximum lbs/hr	Emission[1] Actual T/yr	Allowed Emission[2] Rate per Ch. 17-2, F.A.C.	Allowable[3] Emission lbs/hr	Potential Emission[4] lbs/hr	Potential Emission[4] T/yr	Relate to Flow Diagram
1	Hydrocarbons	5.42 OK	5.43 OK	80 mg/liter	149.5 OK	2079 OK	2081 OK	
2	Hydrocarbons	0.310 OK	0.118 OK	gasoline loaded	8.54 OK	118.8 OK	45.41 OK	
				DER Permit				
				#A048-46573				
	1. Based on total	thruput volume under exist. permit plus additional volume				thru new connections		

2. Based on anticipated thruput volume thru new connections only.

D. Control Devices: (See Section V, Item 4) see DER Permit #AC48-25608

Name and Type (Model & Serial No.)	Contaminant	Efficiency	Range of Particles[5] Size Collected (in microns)	Basis for Efficiency (Sec. V, It[5])
Carbon Adsorption/	Hydrocarbons	99.74%		Nov. 1983
Absorption Vapor				Emissions
Recovery Unit				test on
				V.R. unit

[1] See Section V, Item 2.

[2] Reference applicable emission standards and units (e.g., Section 17-2.05(6) Table II, E. (1), F.A.C. – 0.1 pounds per million BTU heat input)

[3] Calculated from operating rate and applicable standard

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

[5] If Applicable

E. Fuels N/A

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

*Units Natural Gas, MMCF/hr; Fuel Oils, barrels/hr; Coal, lbs/hr

Fuel Analysis:

Percent Sulfur: _____ Percent Ash: _____

Density: _____ lbs/gal Typical Percent Nitrogen: _____

Heat Capacity: _____ BTU/lb _____ BTU/gal

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

F. If applicable, indicate the percent of fuel used for space heating. Annual Average _____ Maximum _____

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

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

Stack Height: 20 ft. Stack Diameter: 1.0 ft.

Gas Flow Rate: 40 - 1500 ACFM Gas Exit Temperature: Ambient °F.

Water Vapor Content: 0 % Velocity: 1.0 - 35 FPS

SECTION IV: INCINERATOR INFORMATION

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

Description of Waste _____

Total Weight Incinerated (lbs/hr) _____ Design Capacity (lbs/hr) _____

Approximate Number of Hours of Operation per day _____ days/week _____

Manufacturer _____

Date Constructed _____ Model No. _____

	Volume $(ft)^3$	Heat Release (BTU/hr)	Fuel		Temperature (^oF)
			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.):

SECTION V: SUPPLEMENTAL REQUIREMENTS

Please provide the following supplements where required for this application.

1. Total process input rate and product weight – show derivation.
2. To a construction application, attach basis of emission estimate (e.g., design calculations, design drawings, pertinent manufacturer's test data, etc.,) and attach proposed methods (e.g., FR Part 60 Methods 1, 2, 3, 4, 5) to show proof of compliance with applicable standards. To an operation application, attach test results or methods used to show proof of compliance. Information provided when applying for an operation permit from a construction permit shall be indicative of the time at which the test was made.
3. Attach basis of potential discharge (e.g., emission factor, that is, AP42 test).
4. With construction permit application, include design details for all air pollution control systems (e.g., for baghouse include cloth to air ratio; for scrubber include cross-section sketch, etc.).
5. With construction permit application, attach derivation of control device(s) efficiency. Include test or design data. Items 2, 3, and 5 should be consistent: actual emissions = potential (1-efficiency).
6. An 8½" x 11" flow diagram which will, without revealing trade secrets, identify the individual operations and/or processes. Indicate where raw materials enter, where solid and liquid waste exit, where gaseous emissions and/or airborne particles are evolved and where finished products are obtained.
7. An 8½" x 11" plot plan showing the location of the establishment, and points of airborne emissions, in relation to the surrounding area, residences and other permanent structures and roadways (Example: Copy of relevant portion of USGS topographic map).
8. An 8½" x 11" plot plan of facility showing the location of manufacturing processes and outlets for airborne emissions. Relate all flows to the flow diagram.

9. An application fee of $20, unless exempted by Section 17-4.05(3), F.A.C. The check should be made payable to the Department of Environmental Regulation.

10. With an application for operation permit, attach a Certificate of Completion of Construction indicating that the source was constructed as shown in the construction permit.

SECTION VI: BEST AVAILABLE CONTROL TECHNOLOGY

A. Are standards of performance for new stationary sources pursuant to 40 C.F.R. Part 60 applicable to the source?
[ ] Yes [X] No

Contaminant	Rate or Concentration

B. Has EPA declared the best available control technology for this class of sources (If yes, attach copy) [ ] Yes [X] No

Contaminant	Rate or Concentration

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

Contaminant	Rate or Concentration
Hydrocarbons	80 mg/liter gasoline loaded

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

1. Control Device/System: Vapor Recovery Unit
2. Operating Principles: Carbon Adsorption/Absorption
3. Efficiency:* 97.3% Mfgr. Guarantee
4. Capital Costs: $800,000
5. Useful Life: 20 years
6. Operating Costs: $4,000/yr.
7. Energy: 57,330KWH/yr.
8. Maintenance Cost: $2,000/yr
9. Emissions:

Contaminant	Rate or Concentration
Hydrocarbon	30 mg/liter gasoline loaded

*Explain method of determining D 3 above.

10. Stack Parameters

a. Height: 20 ft. b. Diameter: 1.0 ft.

c. Flow Rate: 40-1500 ACFM d. Temperature: Ambient °F

e. Velocity: 1.0-35 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*: d. Capital Cost:

e. Useful Life: f. Operating Cost:

g. Energy*: 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*: d. Capital Cost:

e. Useful Life: f. Operating Cost:

g. Energy**: h. Maintenance Costs:

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:

*Explain method of determining efficiency.

**Energy to be reported in units of electrical power – KWH design rate.

3.

a. Control Device:

b. Operating Principles:

c. Efficiency*: d. Capital Cost:

e. Life: f. Operating Cost:

g. Energy: h. Maintenance Cost:

*Explain method of determining efficiency above.

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*:

d. Capital Cost:

e. Life:

f. Operating Cost:

g. Energy:

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: See Section VI, Item D

1. Control Device:

2. Efficiency*:

3. Capital Cost:

4. Life:

5. Operating Cost:

6. Energy:

7. Maintenance Cost:

8. Manufacturer:

9. Other locations where employed on similar processes:

a.

(1) Company:

(2) Mailing Address:

(3) City:

(4) State:

(5) Environmental Manager:

(6) Telephone No.:

*Explain method of determining efficiency above.

(7) Emissions*:

Contaminant	Rate or Concentration

(8) Process Rate*:

b.

(1) Company:

(2) Mailing Address:

(3) City:

(4) State:

*Applicant must provide this information when available. Should this information not be available, applicant must state the reason(s) why.

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions*:

Contaminant	Rate or Concentration

(8) Process Rate*:

10. Reason for selection and description of systems:

*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^2* _____ 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.

2. Instrumentation, Field and Laboratory

a) Was instrumentation EPA referenced or its equivalent? _____ Yes _____ No

b) Was instrumentation calibrated in accordance with Department procedures? _____ Yes _____ No _____ Unknown

B. Meteorological Data Used for Air Quality Modeling

1. _____ Year(s) of data from ____/____/____ to ____/____/____
month day year month day year

2. Surface data obtained from (location) _____

3. Upper air (mixing height) data obtained from (location) _____

4. Stability wind rose (STAR) data obtained from (location) _____

C. Computer Models Used

1. _____ Modified? If yes, attach description.

2. _____ Modified? If yes, attach description.

3. _____ Modified? If yes, attach description.

4. _____ Modified? If yes, attach description.

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

D. Applicants Maximum Allowable Emission Data

Pollutant	Emission Rate
TSP	_____ grams/sec
SO^2	_____ grams/sec

E. Emission Data Used in Modeling

Attach list of emission sources. Emission data required is source name, description on 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.

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

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

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

August 27, 1984

Section II, Item A

Central Florida Pipeline Corporation proposes to install two (2) submerged fill connections on the existing south Triangle rack. This rack is designated as Rack #1 on DER Permit A048-46573.

Both fill connections will be used to transfer gasoline from existing storage tanks to tank trucks. Anticipated yearly throughput is 233,000 barrels.

Rack #1 is presently connected to a carbon adsorption/absorption gasoline vapor recovery unit. The last performance test on the vapor recovery unit conducted in November 1983 indicated an average hydrocarbon emissions rate of 2.9 mg/liter of gasoline loaded over a six (6) hour period.

At maximum design capacity, our vapor recovery unit will maintain the emissions rate below the maximum allowable under this permit of 80 mg/liter of gasoline loaded. Our total throughput, including the additional product dispensed through the new connections, will be considerably lower than the maximum design capacity of our vapor recovery unit. Therefore, the emissions rate will be maintained below the maximum allowable for this permit.

D.E.R. PERMITS - TAFT

30148/0069

Permit No.	Tank/Other	Date Issued	Date Expires
Api's pt. # 88 772		8-20-84	8-16-89
11 AO48-~~19085~~	Tank 9	5-24-79	5-21-84
7 AO48-27686	Tank 37-4	4-9-80	4-10-85
4 AO48-32515	Tank 40-1	7-17-80	7-16-85
3 AO48-46569	Tanks 1054, 1055,1061, 1062,37-3, 4,5,6, 1059,1060, 37-1,37-2	12-6-81	12-1-86
2 AO48-46573	Five (5) Tank Truck Load Racks	2-2-82	2-1-87
13 AO48-51905	Tank 80-1 Tank 80-2	3-24-82	3-23-87
14 4 AO48-52700	Tank 2	4-8-82	3-31-87
5 AO48-52701	Tank 3	3-24-82	3-23-87
15 AO48-56561	Tanks 1051, 1052,1053, 1056,1057	7-8-82	7-6-87
6 AO48-61758	Tank 25-1	11-29-82	11-15-87
12 AO48-61154	One (1) Tank Truck Load Rack	11-9-83	11-8-88
16 AO48-81650	Tank 1054 With IFR	3-14-84	3-9-89
17 AO48-82798	Tank 60-1	4-9-84	4-5-89
92 244		80 08 84	09 24 89
18 AC48-~~71398~~	Tank 10*	11-16-83	12-31-84
19 AC 48-90953	Tank 11 *	12-27-84	03 31 85

*8000gal. Additive Tank

Revised ~~8-28-84~~
3-15-85

Title: Emissions Calculations - Modifications under DER Permit A048-46573	Project No.	Location/C.O. No. Taft, FL / CO-82

Emissions calculations are based on the following:

1. Actual Emissions rate = 2.9 mg/liter gasoline loaded (See 11/83 V.R. unit test results)
2. Allowable Emission rate = 80 mg/liter gasoline loaded (Per DER Permit A048-46573)
3. Maximum Thruput per hour, total = 224,000 gal., gasoline
4. Maximum Thruput per hour, new connections only = 12,800 gal., gasoline
5. 1983 Thruput Volume under Permit A048-46573 = 10,442,767 Bbl., gasoline
6. Anticipated Volume thru new connections = 233,000 Bbl., gasoline
7. Anticipated Total Volume = 10,675,767 Bbl., gasoline
8. Potential Emissions calculated in accordance w/ AP-42, Supplement #7:

$$L_L = 12.46\left[\frac{SPM}{T}\right] = \text{Emissions in lbs./}10^3\text{gal. loaded}$$

S = Saturation Factor = 1.0
P = True Vapor Pressure = 6.0 psia
M = Molecular Mass = 66
T = Bulk Temperature = 532

$$L_L = 12.46\left[\frac{1.0(6.0)66}{532}\right] = 9.28 \text{ lbs}/10^3\text{gal.}$$

Prepared By DOT	Date 8/28/84	Rev. No.	Date
Checked By	Date	Rev. No.	Date

Title: Emissions Calculations - cont. Modifications under DER Permit A048-46573	Project No.	Location/C.O. No. Taft, FL/CO-82

Emissions - Maximum lbs/hr.

1. $224{,}000 \frac{gal}{HR} \cdot \frac{3.785\,l}{1\,gal} \cdot \frac{2.9\,mg}{l} \cdot \frac{1\,g}{1000\,mg} \cdot \frac{1\,lbs}{453.59\,g} = 542\ lbs/HR$ OK

2. $12{,}800\ gal/HR\ (2.42 \times 10^{-5}) = 0.310\ lbs/HR$ OK

Emissions - Actual Tons/YR.

1. $10{,}675{,}767 \frac{Bbl}{YR} \cdot \frac{42\,gal}{1\,Bbl} \cdot \frac{3.785\,l}{1\,gal} \cdot \frac{2.9\,mg}{l} \cdot \frac{1\,g}{1000\,mg} \cdot \frac{1\,lbs}{453.59\,g} \cdot \frac{1\ Ton}{2000\,lbs.}$
$= 5.43$ OK $Tons/YR.$

2. $233{,}000\ Bbl/YR\ (5.08 \times 10^{-7}) = 0.118\ TONS/YR.$ OK

Allowable Emissions - lbs/HR.

1. $224{,}000 \frac{gal}{HR} \cdot \frac{3.785\,l}{1\,gal} \cdot \frac{80\,mg}{l} \cdot \frac{1\,g}{1000\,mg} \cdot \frac{1\,lbs}{453.59\,g} = 149.5\ lbs/HR$ OK

2. $12{,}800\ gal/HR\ (6.68 \times 10^{-4}) = 8.54\ lbs./HR.$ OK

Potential Emissions - lbs/HR (Maximum)

1. $9.28 \frac{lbs}{1000\,gal} \cdot 224{,}000 \frac{gal}{HR} = 2079\ lbs/HR.$ OK

2. $9.28 \frac{lbs}{1000\,gal} \cdot 12{,}800 \frac{gal}{HR} = 118.8\ lbs./HR$ OK

Potential Emissions - Tons/YR.

1. $9.28 \frac{lbs}{1000\,gal.} \cdot 42 \frac{gal}{Bbl.} \cdot 10{,}675{,}767 \frac{Bbl}{YR} \cdot \frac{1\ Ton}{2000\,lbs.} = 2081\ Tons/YR.$ OK

2. $9.28 \frac{lbs}{1000\,gal} \cdot 42 \frac{gal}{Bbl} \cdot 233{,}000 \frac{Bbl}{YR} \cdot \frac{1\ Ton}{2000\,lbs} = 45.41\ Tons/YR.$ OK

Efficiency Determination - Section III, Item D

$2079 \left(1 - \frac{x}{100}\right) = 5.42\ lbs/HR$

$x = 99.74\%$ OK

Prepared By DOT	Date 8/28/84	Rev. No.	Date
Checked By	Date	Rev. No.	Date

PINE CASTLE, FLA.

N2822.5—W8115/7.5

1953

PHOTOREVISED 1970

AMS 4740 IV NE—SERIES V847

SCALE 1:24000

1 0 1 MILE

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

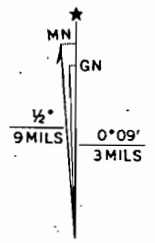
Control by USGS, USC&GS, and USCE

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

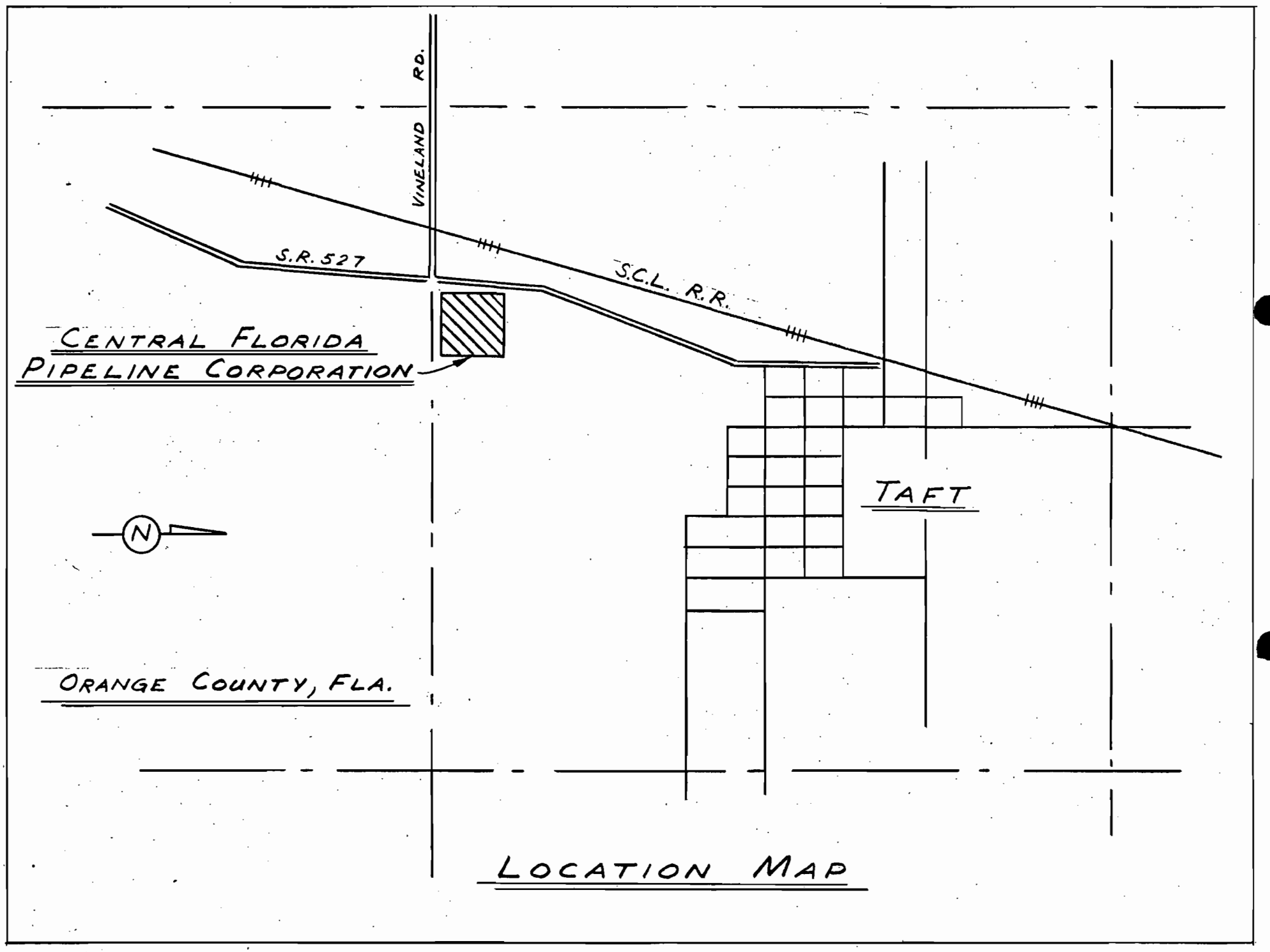
Polyconic projection. 1927 North American datum
10,000-foot grid based on Florida coordinate system, east zone
1000-meter Universal Transverse Mercator grid ticks, zone 17, shown in blue

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

Purple tint indicates extension of urban areas

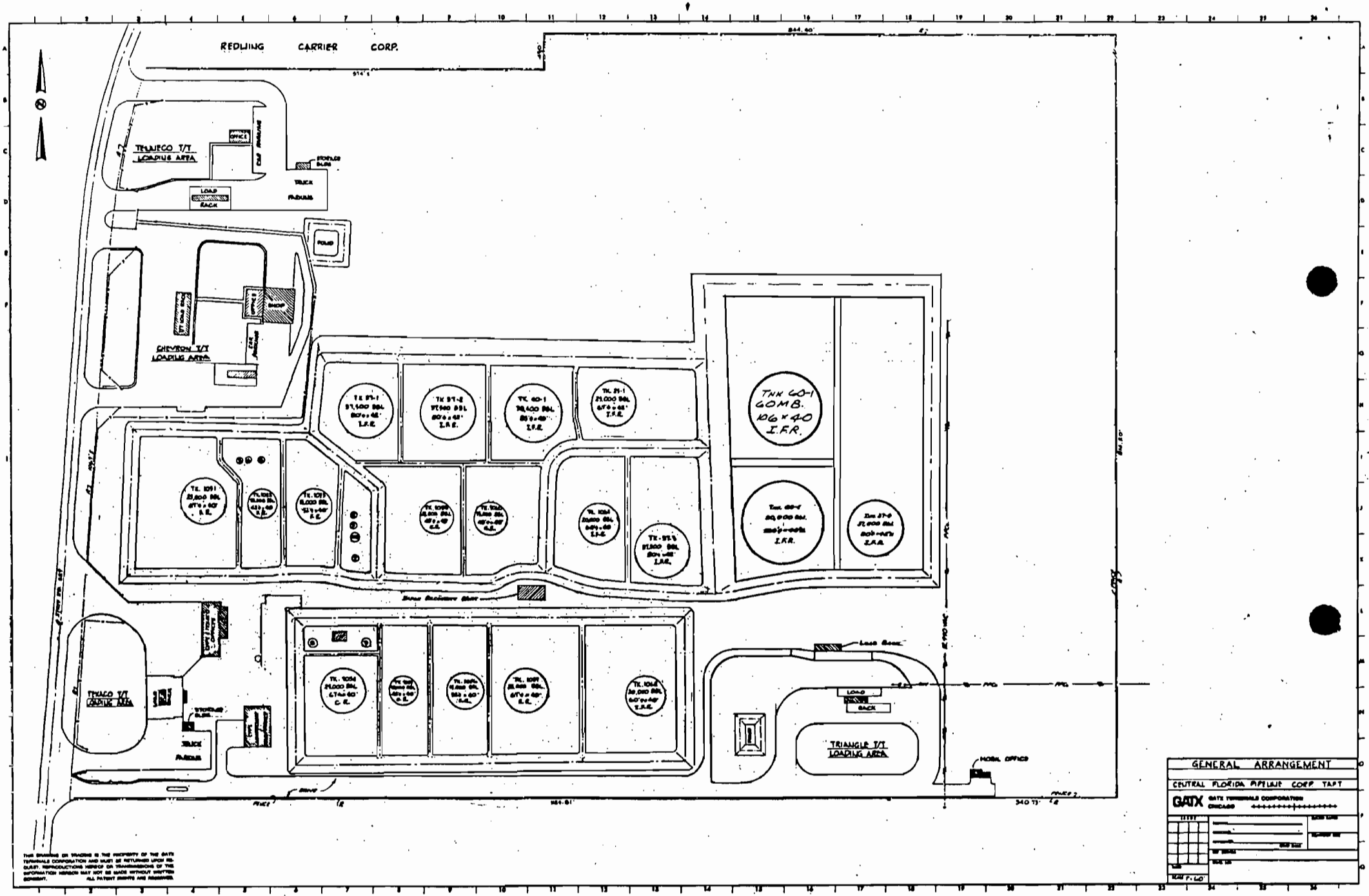


UTM GRID AND 1970 MAGNETIC NORTH DECLINATION AT CENTER OF SHEET



LOCATION MAP

Best Available Copy



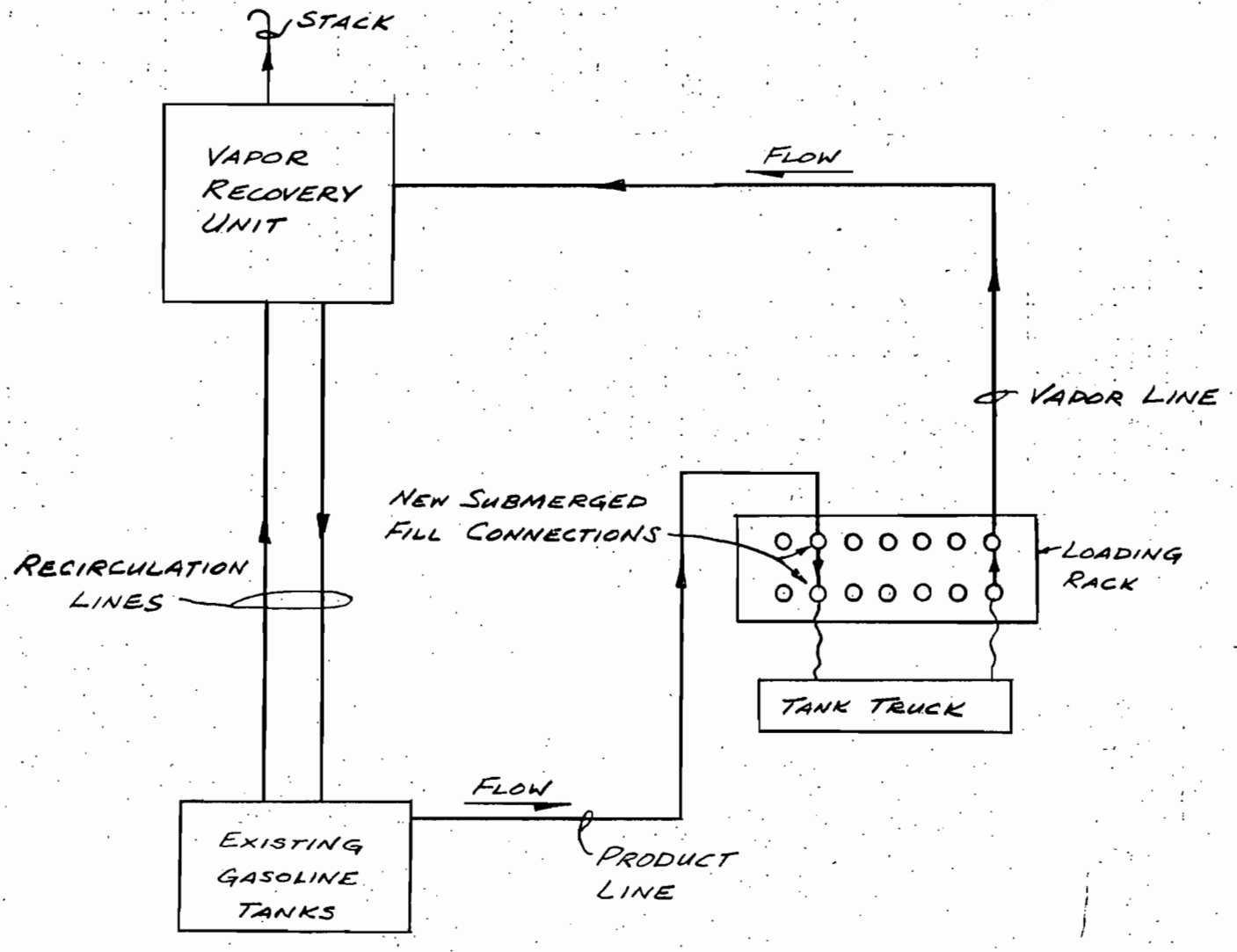
GATX

GATX TERMINALS CORPORATION

120 SOUTH RIVERSIDE PLAZA, CHICAGO, IL 60606 312/621-6200

Page 1 of 1

Title: FLOW DIAGRAM OF VAPOR RECOVERY SYSTEM	Project No.	Location/C.O. No. Taft, FL/CO-82



Prepared By D.O.T.	Date 8/28/84	Rev. No.	Date
Checked By	Date	Rev. No.	Date

ENG—1001T.S.