

Check Sheet

Company Name: *Central Fla. Pipeline*  
Permit Number: *AC48-126929*  
PSD Number:  
County: *Orange*  
Permit Engineer:  
Others involved:

*3/30*

Application:

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

Intent:

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

Attachments:

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

Final Determination:

- Final Determination
- Signed Permit
- BACT Determination

Post Permit Correspondence:

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

P 407 853 153  
**RECEIPT FOR CERTIFIED MAIL**  
 NO INSURANCE COVERAGE PROVIDED  
 NOT FOR INTERNATIONAL MAIL  
 (See Reverse)

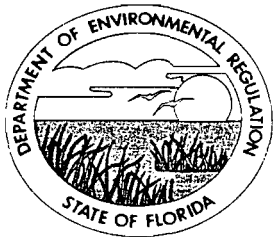
☆ U.S.G.P.O. 1989-234-555  
 PS Form 3800, June 1985

Sent to Mr. Tom Rigg, Central Fla.	
Street and No. Pipeline Corp. 100 GATX Dr.	
P.O. State and ZIP Code Tampa, FL 33605	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date Mailed: 2-14-91 Permit: AC 48-186929	

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

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

3. Article Addressed to: Mr. Tom Rigg Manager of Florida Operations Central Fla. Pipeline Corp. 100 GATX Drive Tampa, FL 33605	4. Article Number P 407 853 153 Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
Always obtain signature of addressee or agent and <u>DATE DELIVERED</u> .	
5. Signature - Addressee X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X <i>Sandy Williams</i>	
7. Date of Delivery 2/19/91	



# Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION  
NOTICE OF PERMIT

Mr. Tom Rigg  
Manager of Florida Operations  
Central Florida Pipeline Corporation  
100 GATX Drive  
Tampa, Florida 33605


February 14, 1991

Enclosed is construction permit AC 48-186929 to construct an 80,000 barrel petroleum fuel storage tank at your terminal in Taft, Orange County, Florida. This permit is issued pursuant to Section 403, Florida Statutes.

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

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

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

Copy furnished to:

Charles Collins, Central District  
Stanford Strehler, Jr., P.E.

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this NOTICE OF PERMIT and all copies were mailed before the close of business on 2-14-91.

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

Kevin Doherty  
Clerk

2-14-91  
Date

Final Determination

Central Florida Pipeline Corporation  
Taft, Orange County, Florida

Petroleum Storage Tank No. 80-6  
Permit No. AC 48-186929

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

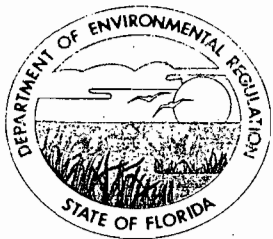
February 11, 1991

## Final Determination

The Technical Evaluation and Preliminary Determination for the permit to construct an 80,000 barrel petroleum fuel storage tank at Central Florida Pipeline Corporation's terminal in Taft, Orange County, Florida, was distributed on December 21, 1990. The Notice of Intent to Issue was published in The Orlando Sentinel on January 9, 1991. Copies of the evaluation were available for public inspection at the Department's offices in Orlando and Tallahassee.

In a letter dated January 22, 1991, the applicant noted that the 6.9 psia vapor pressure for the petroleum products used in the emission calculation in the application was an "annual average" value and requested that Specific Condition No. 1 of the proposed permit be amended to show this. The Department has revised Specific Condition No. 1 to reflect the vapor pressure limit as an annual average. However, the allowable VOC emissions in Specific Condition No. 6 remain the same.

The final action of the Department will be to issue construction permit AC 48-186929 as proposed in the Technical Evaluation and Preliminary Determination except for the change noted above.



# Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

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

Permit Number: AC 48-186929  
Expiration Date: Nov. 1, 1995  
County: Orange  
Latitude/Longitude: 28°25'19"  
81°22'01"  
Project: Petroleum Storage Tank  
No. 80-6

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

Install an 80,000 barrel petroleum storage tank No. 80-6 (112 ft. diameter x 48 ft. high) equipped with an internal floating roof having double wiper seals at the GATX terminal (SIC 5171) located at 9919 Palm Avenue, Taft, Orange County, Florida. The UTM coordinates of this facility are Zone 17, 463.8 km E and 3143 km N.

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

#### Attachment:

1. Application received September 25, 1990.
2. DER letter dated October 4, 1990.
3. GATX letter dated November 14, 1990.
4. GATX letter dated November 20, 1990.
5. GATX letter dated January 22, 1991.

PERMITTEE:

Central Florida Pipeline Corp.

Permit No. AC 48-186929

Expiration Date: November 1, 1995

**GENERAL CONDITIONS:**

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

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

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

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

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



PERMITTEE:

Permit No. AC 48-186929

Central Florida Pipeline Corp. Expiration Date: November 1, 1995

**GENERAL CONDITIONS:**

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

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

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

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

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

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

PERMITTEE:

Permit No. AC 48-186929

Central Florida Pipeline Corp. Expiration Date: November 1, 1995

**GENERAL CONDITIONS:**

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

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

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

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

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

13. This permit also constitutes Compliance with New Source Performance Standards (NSPS).

14. The permittee shall comply with the following:

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

PERMITTEE:

Central Florida Pipeline Corp.

Permit No. AC 48-186929

Expiration Date: November 1, 1995

**GENERAL CONDITIONS:**

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

c. Records of monitoring information shall include:

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

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

**SPECIFIC CONDITIONS:**

1. Tank No. 80-6 shall not handle more than 3,258,000 barrels of petroleum fuel having a weighted average vapor pressure greater than 6.9 psia during any 12 month period. The permittee shall maintain records that show the volume and vapor pressure of volatile organic compounds handled in this tank.

2. This tank shall comply with all the applicable requirements of 40 CFR 60, Subpart Kb-Standards of Performance for Volatile Organic Liquid Storage Vessels (July 1, 1988). Applicable sections are 40 CFR 60.112b, 60.113b, 60.115b, and 60.116b.

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

PERMITTEE:

Central Florida Pipeline Corp.

Permit No. AC 48-186929

Expiration Date: November 1, 1995

SPECIFIC CONDITIONS:

4. This tank shall be equipped with an internal floating roof having double wiper seals. Any liquid leaks in the pump, piping, or tank, shall be repaired promptly.

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

6. Volatile organic compounds emissions from this tank, as determined by the procedures described in AP-42, Compilation of Air Pollutant Emission Factors, Section 4.3, shall not exceed 9.2 TPY. If the parameters that the estimated emissions are based on change, the permittee shall recalculate the emissions from this tank and submit this data to the Department's Central District office.

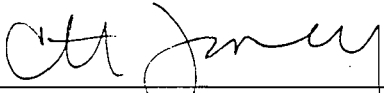
7. The permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the Bureau of Air Regulation prior to 60 days before the expiration of the permit (F.A.C. Rule 17-4.090).

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

Issued this 14 day  
of February, 1991

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

for

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



State of Florida  
DEPARTMENT OF ENVIRONMENTAL REGULATION

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

# Interoffice Memorandum

TO: Steve Smallwood  
FROM: Clair Fancy *ARD*  
DATE: February 11, 1991  
SUBJ: Approval of Construction Permit AC 48-186929  
Central Florida Pipeline Corporation

Attached for your approval and signature is a permit prepared by the Bureau of Air Regulation for the above mentioned company to construct an 80,000 barrel petroleum fuel storage tank their terminal in Taft, Orange County, Florida.

Comments were received from the applicant during the public notice period.

Day 90, after which this permit will be issued by default, is April 7, 1991.

I recommend your approval and signature.

CF/WH/plm

Attachments



RECEIVED

JAN 24 1991

DER-BAQM

January 22, 1991

CENTRAL FLORIDA PIPELINE CORPORATION  
subsidiary of  
GATX TERMINALS CORPORATION

1904 Hemlock Avenue  
Tampa, FL 33605  
813-248-8361  
Telecopier: 813-247-2476

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

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

Re: Central Florida Pipeline Corporation  
AC48-186929 Petroleum Storage Tank No. 80-6  
Technical Evaluation and Preliminary Determination

Dear Mr. Andrews:

Central Florida Pipeline Corporation (CFPL), a subsidiary of GATX Terminals Corporation, upon review of the Florida Department of Environmental Regulation's (FDER) Technical Evaluation and Preliminary Determination of Petroleum Storage Tank No. 80-6, File No. AC48-186929, has the following comment to make in regards to Specific Condition No. 1 on page 5 of 6.

Specific Condition No. 1 states that Tank 80-6 shall not handle a petroleum fuel having a vapor pressure greater than 6.9 psia during any 12 month period. The 6.9 psia value, as used in the permit application calculations, is derived from an average of the maximum allowances of Reid Vapor Pressure in accordance with U. S. Environmental Protection Agency (EPA) rules on Federal Fuel Additives (40 CFR 80.27 (a)) and Florida Department of Agriculture (FDA) (see attachment). The average Reid Vapor Pressure is the reference used in determining True Vapor Pressure from API-2517, Figure 4.

Therefore, CFPL respectfully advises the 6.9 psia is an average and stresses the vapor pressure during any 12 month period will fluctuate slightly higher or lower. CFPL would like to incorporate this point in Specific Condition No. 1 of proposed permit No. AC48-186929.

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

Sincerely,  
CENTRAL FLORIDA PIPELINE CORPORATION

*Caren P. Jennie for*

Tom Rigg  
Florida Operations Manager

CL:TR:mr

c: C. Collins, FDER-Central District  
*H. Hanks*

TRUE VAPOR PRESSURETheoretical:

EPA/FL Law: Max. allowables - Reid V. P.	
(FL) Nov 1 through Mar 31 - 13.5 = 151 days =	2038.50
(EPA) Apr 1 through Sep 15 - 10.5 = 168 days =	1764.00
(FL) Sep 16 through Oct 31 - 11.5 = 46 days =	<u>529.00</u>
	4331.50

	Weighted
	<u>Avg. VP</u>
4331.50 ÷ 365 days =	11.87 psia

Actual:

82 marine deliveries into GATX, total of 1,260,500 Bbls, between 4/1/90 and 4/28/90 show average RVP of 9.79. Florida law limits RVP to 10.5 during this period, therefore, the average RVP of the products stored at GATX is (10.5 minus 9.79) or 0.71 below allowable as an average for this period.

It is appropriate to assume GATX receipts will be below EPA and Florida maximum allowable RVP in all three periods by a similar amount (i.e. 0.71 psia).

If the weighted average RVP allowable is 11.87, the average RVP of products stored at GATX will be (11.87 - 0.71) = 11.16, or 11.2 psia.

Reference

API-2517, Table 8, Temperature for Tampa = 72° F.  
 API-2517, Figure 4, True Vapor Pressure = 6.9 psia.

# GATX

TO E. FOSTER

DATE 3/13/90

FROM E. MACINSKI *elm*

SUBJECT REID VAPOR PRESSURE LIMITS

In accordance with U. S. Environmental Protection Agency rules on Federal Fuel Additives (40 CFR 80.27(a)), as a "distributor," GATX/CFPL shall not transport or dispense gasoline whose Reid Vapor Pressure (RVP) exceeds 10.5 psi during the period of May 1 to September 15.

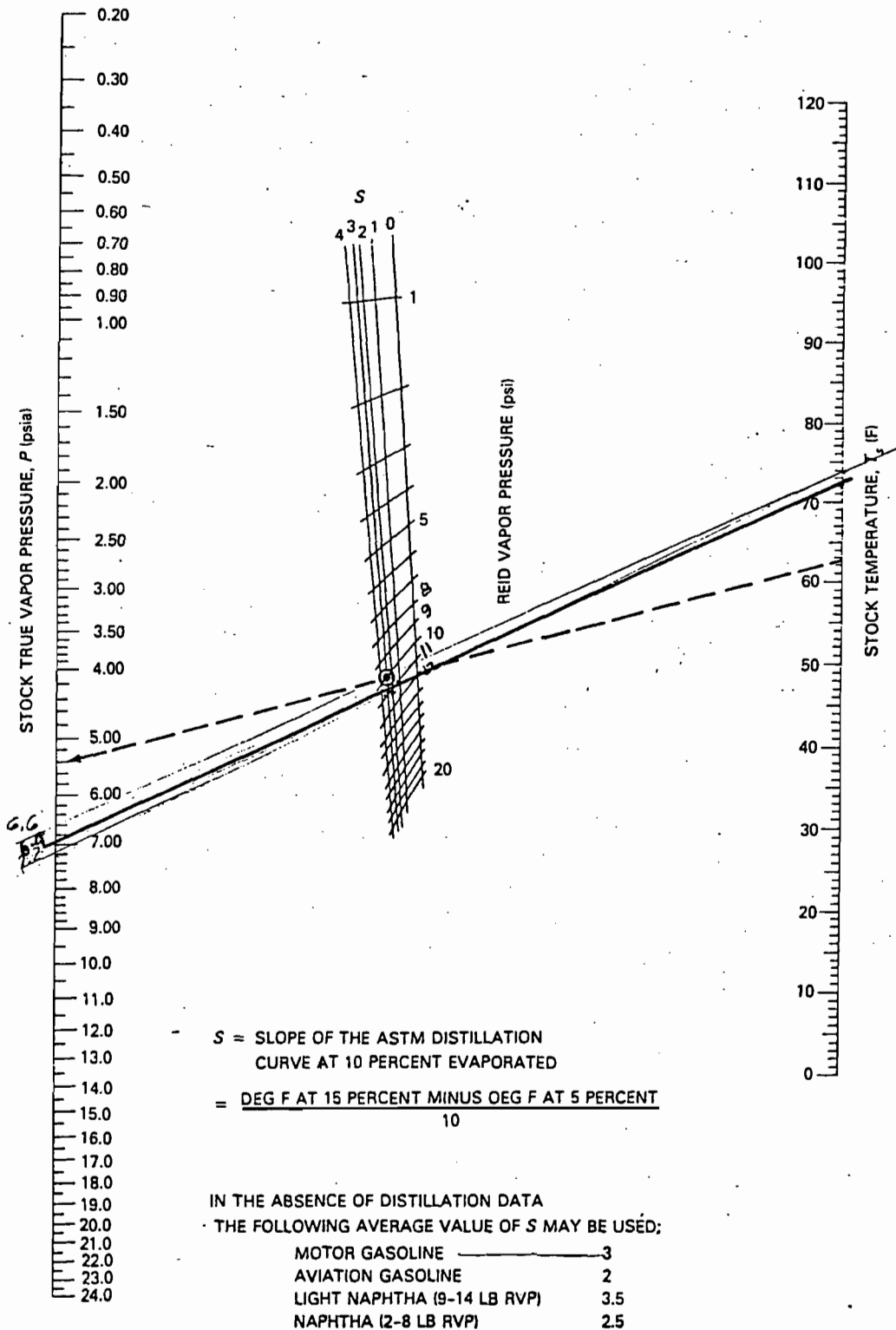
According to Ms. Nancy Fischer, Florida Department of Agriculture (FDA), the RVP limits for the remainder of September through October is 11.5 psi, and for the period of November through March the limit is 13.5 psi. Ms. Fischer noted that EPA rules of 10.5 psi supercede the state's rules (of 11.5 psi) for the period of May 1 - September 15; however, if during an inspection within that time FDA finds the EPA limit has been exceeded, FDA will not take enforcement action, but will instead notify EPA.

EPA rules (40 CFR 80.27(d)) also allow for special regulatory treatment of alcohol blends of gasoline containing at least 9% ethanol (by volume). The RVP for the products, during the regulatory control period shall not exceed the limit by 1.0 psi (or 11.5 psi May 1 - September 15).

Please advise if you have any further questions.

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NOTES:

1. Dashed line illustrates sample problem for RVP = 10 pounds per square inch, gasoline stock ( $S = 3$ ) and  $T_s = 62.5$  F.
2. See page 18 for the equation for stock true vapor pressure,  $P$ .

SOURCE: Nomograph drawn from the data of the National Bureau of Standards.

Figure 4—True Vapor Pressure ( $P$ ) of Refined Petroleum Stocks (1 psi to 20 psi RVP)



CENTRAL FLORIDA PIPELINE CORPORATION  
subsidiary of  
GATX TERMINALS CORPORATION

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

January 14, 1991

RECEIVED

JAN 24 1991

Mr. C. H. Fancy  
Bureau Chief of Air Section  
Florida Department of Environmental Regulation  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

DER-BAQM

Re: Central Florida Pipeline Corporation  
AC48-186929 Petroleum Storage Tank No. 80-6  
Notice of Intent to Issue

Dear Mr. Fancy:

In accordance with the requirements set forth in Section 403.815, F.S. and DER Rule 17-103.150, FAC, Central Florida Pipeline Corporation herewith submits proof of publication of the Notice of Intent to Issue a permit to construct Petroleum Storage Tank No. 80-6 at its Taft, Florida terminal.

This Notice was published in the January 9, 1991 issue of The Orlando Sentinel.

Sincerely,

Caren I. Lennie  
Environmental Coordinator

CL:sd  
CL-4FANC

cc: Charles Collins, FDER, Central District

**The Orlando Sentinel**

Published Daily  
Orlando, Orange County, Florida

RECEIVED

ADVERTISING CHARGE \$172.26

State of Florida ) ss.  
COUNTY OF ORANGE

JAN 24 1991

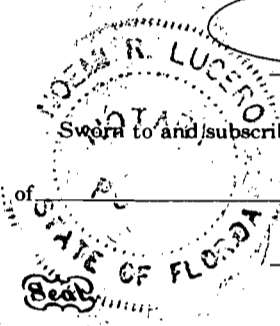
Before the undersigned authority personally appeared DER-BAQM  
Juanita Rosado, who on oath says that

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

in the \_\_\_\_\_ Court,  
was published in said newspaper in the issues of \_\_\_\_\_  
January 9, 1991

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.

*Juanita Rosado*  
Sworn to and subscribed before me this 9th day  
of January A.D., 1991  
*Mauri R. Lucero*  
Notary Public, State of Florida at Large  
My Commission Expires August 28, 1994  
Bonded Thru Brown & Brown, INC. AD-262



State of Florida  
Department of Environmental Regulation  
Notice of Intent to Issue  
The Department of Environmental Regulation hereby gives notice of its intent to issue a permit (AC 48-186929) to Central Florida Pipeline Corporation, 100 GATX Drive, Tampa, Florida 33605, to construct a 80,000 barrel petroleum (gasoline or diesel fuels) storage tank No. 80-6 equipped with double seals at the GATX terminal located at 9919 Palm Avenue, Taft, Orange County, Florida. Total volatile organic compounds (VOC) emissions from tank No. 80-6 are estimated to be 9.2 TPY. These emissions will not cause a violation of any ambient air quality standard. A determination of Best Available Control Technology (BACT) was not required. The Department is issuing this Intent to Issue for the reasons stated in the Technical Evaluation and Preliminary Determination.  
A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within fourteen (14) days of publication of this notice. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.  
The Petition shall contain the following information:  
(a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;  
(b) A statement of how and when each petitioner received notice of the Department's action or proposed action;  
(c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;  
(d) A statement of the material facts disputed by Petitioner, if any;  
(e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;  
(f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and  
(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.  
If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this Notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of publication of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.  
The application is available for public inspection during business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:  
Department of Environmental Regulation  
Bureau of Air Regulation  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400  
Department of Environmental Regulation  
Central District  
3319 Maquire Blvd., Suite 232  
Orlando, Florida 32803-3767  
Any person may send written comments on the proposed action to Mr. Barry Andrews at the Department's Tallahassee address. All comments mailed within 14 days of the publication of this notice will be considered in the Department's final determination.  
CL-763 Jan.9,1991

P 407 852 932

**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL

(See Reverse)

U.S.G.P.O. 1989-234-555

PS Form 3800, June 1985

Sent to	Tom Rigg
Street and No.	Central Fla Pipeline
P.O., State and ZIP Code	100 GATX Dr
Postage	Tampa, FL
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	12-21-90 AC 48-186929

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

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

3. Article Addressed to: Mr. Tom Rigg Mgr. of Fla. Operations Central Fla. Pipeline Corp. 100 GATX Dr. Tampa, FL 33605	4. Article Number P 407 852 932
5. Signature - Addressee X	Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
6. Signature - Agent X Doug Anderson	Always obtain signature of addressee or agent and DATE DELIVERED.
7. Date of Delivery 12/24/90	8. Addressee's Address (ONLY if requested and fee paid)



# Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

December 18, 1990

CERTIFIED MAIL—RETURN RECEIPT REQUESTED

Mr. Tom Rigg  
Manager of Florida Operations  
Central Florida Pipeline Corporation  
100 GATX Drive  
Tampa, Florida 33605

Dear Mr. Rigg:

Attached is the Technical Evaluation and Preliminary Determination and proposed permit to construct petroleum storage tank No. 80-6 at the GATX terminal in Taft, Orange County, Florida.

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

Sincerely,

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

CHF/WH/plm

Attachments

c: Charles Collins, Central District  
Stanford Strehler, Jr., P.E.

BEFORE THE STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

In the Matter of  
Application for Permit by:

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

DER File No. AC 48-186929

---

INTENT TO ISSUE

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

The applicant, Central Florida Pipeline Corporation, applied on September 25, 1990, to the Department of Environmental Regulation for a permit to construct petroleum storage tank No. 80-6 at the GATX terminal located at 9919 Palm Avenue in Taft, Orange County, Florida.

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

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

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

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

The Petition shall contain the following information:

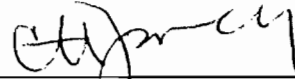
- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c)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

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

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

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION



---

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

Copies furnished to:

Charles Collins, Central District  
Stanford Strehler, Jr., P.E.



CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this NOTICE OF INTENT TO ISSUE and all copies were mailed before the close of business on 12-21-90.

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

Kip Daben  
Clerk

12-21-90  
Date

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

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit (AC 48-186929) to Central Florida Pipeline Corporation, 100 GATX Drive, Tampa, Florida 33605, to construct a 80,000 barrel petroleum (gasoline or diesel fuels) storage tank No. 80-6 equipped with double seals at the GATX terminal located at 9919 Palm Avenue, Taft, Orange County, Florida. Total volatile organic compounds (VOC) emissions from tank No. 80-6 are estimated to be 9.2 TPY. These emissions will not cause a violation of any ambient air quality standard. A determination of Best Available Control Technology (BACT) was not required. The Department is issuing this Intent to Issue for the reasons stated in the Technical Evaluation and Preliminary Determination.

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

The Petition shall contain the following information:

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

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this Notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of publication of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

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

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

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

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

Technical Evaluation  
and  
Preliminary Determination

Central Florida Pipeline Corporation  
Taft, Orange County, Florida

Petroleum Storage Tank No. 80-6  
File No. AC 48-186929

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

December 18, 1990

## I. Application

### A. Applicant

Central Florida Pipeline Corporation  
100 GATX Drive  
Tampa, Florida 33605

### B. Project and Location

Mr. Tom Rigg, Central Florida Pipeline Corporation's Manager of Florida Operations, submitted an application for permit to construct a 80,000 barrel petroleum (gasoline and diesel fuels) storage tank No. 80-6 on September 25, 1990. The application was considered complete on November 20, 1990. This tank will be installed at Central Florida Pipeline Corporation's terminal (SIC 5171) located at 9919 Palm Avenue, Taft, Orange County, Florida. The UTM coordinates of this site are Zone 17, 463.8 km E and 3143.8 km N.

Tank No. 80-6 is a 112 ft. diameter by 48 ft. high fixed roof tank equipped with an internal floating roof having double wiper seals. It has a capacity of 80,000 barrels. It will be used to store gasoline and diesel fuels. Based on an annual throughput of 3,258,000 barrels of gasoline, the volatile organic compounds (VOC) emissions are estimated to be 9.2 TPY.

## II. Rule Applicability

The proposed project, construction of a petroleum storage tank at a petroleum product terminal (SIC 5171), is subject to preconstruction review under the provisions of Chapter 403, Florida Statutes, and Chapter 17-2, Florida Administrative Code (F.A.C.).

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

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

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

### III. Technical Evaluation

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

The calculated emissions from the proposed tank, based on a throughput of 3,258,000 barrels per year, is 2.1 lbs/hr (avg) or 9.2 TPY.

### IV. Air Quality Analysis

It is the judgement of the Department that the estimated VOC emissions from the proposed tank will not create a health hazard or cause/contribute to an ambient air quality violation.

### V. Conclusion

Based on the information provided by Central Florida Pipeline Corporation, the Department has reasonable assurance that the proposed project, construction of Petroleum storage tank No. 80-6, as described in this evaluation, and subject to the conditions proposed herein, will not cause or contribute to a violation of any air quality standard, PSD increment, or any other technical provision of Chapter 17-2 of the Florida Administrative Code.





# Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Twachtman, Secretary

John Shearer, Assistant Secretary

**PERMITTEE:**

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

Permit Number: AC 48-186929  
Expiration Date: Nov. 1, 1995  
County: Orange  
Latitude/Longitude: 28°25'19"  
81°22'01"  
Project: Petroleum Storage Tank  
No. 80-6

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

Install an 80,000 barrel petroleum storage tank No. 80-6 (112 ft. diameter x 48 ft. high) equipped with an internal floating roof having double wiper seals at the GATX terminal (SIC 5171) located at 9919 Palm Avenue, Taft, Orange County, Florida. The UTM coordinates of this facility are Zone 17, 463.8 km E and 3143 km N.

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

**Attachment:**

1. Application received September 25, 1990.
2. DER letter dated October 4, 1990.
3. GATX letter dated November 14, 1990.
4. GATX letter dated November 20, 1990.

PERMITTEE:

Permit No. AC 48-186929

Central Florida Pipeline Corp.

Expiration Date: November 1, 1995

**GENERAL CONDITIONS:**

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

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

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

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

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



PERMITTEE:

Permit No. AC 48-186929

Central Florida Pipeline Corp.

Expiration Date: November 1, 1995

**GENERAL CONDITIONS:**

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

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

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

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

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

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

PERMITTEE:

Permit No. AC 48-186929

Central Florida Pipeline Corp. Expiration Date: November 1, 1995

**GENERAL CONDITIONS:**

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

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

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

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

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

13. This permit also constitutes Compliance with New Source Performance Standards (NSPS).

14. The permittee shall comply with the following:

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

PERMITTEE:

Central Florida Pipeline Corp.

Permit No. AC 48-186929

Expiration Date: November 1, 1995

**GENERAL CONDITIONS:**

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

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

**SPECIFIC CONDITIONS:**

1. Tank No. 80-6 shall not handle more than 3,258,000 barrels of petroleum fuel having a vapor pressure greater than 6.9 psia during any 12 month period. The permittee shall maintain records that show the quantity of volatile organic compounds handled in this tank.

2. This tank shall comply with all the applicable requirements of 40 CFR 60, Subpart Kb-Standards of Performance for Volatile Organic Liquid Storage Vessels (July 1, 1988). Applicable sections are 40 CFR 60.112b, 60.113b, 60.115b, and 60.116b.

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

**PERMITTEE:**

Central Florida Pipeline Corp.

Permit No. AC 48-186929

Expiration Date: November 1, 1995

**SPECIFIC CONDITIONS:**

4. This tank shall be equipped with an internal floating roof having double wiper seals. Any liquid leaks in the pump, piping, or tank, shall be repaired promptly.

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

6. Volatile organic compounds emissions from this tank, as determined by the procedures described in AP-42, Compilation of Air Pollutant Emission Factors, Section 4.3, shall not exceed 9.2 TPY. If the parameters that the estimated emissions are based on change, the permittee shall recalculate the emissions from this tank and submit this data to the Department's Central District office.

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

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

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

**STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION**

---

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



CENTRAL FLORIDA PIPELINE CORPORATION  
subsidiary of  
GATX TERMINALS CORPORATION

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

November 15, 1990

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Mr. C. H. Fancy  
Bureau Chief of Air Section  
Florida Department of Environmental Regulation  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

RECEIVED  
NOV 20 1990  
DER-BAQM

Re: Central Florida Pipeline Corporation  
File No. AC48-186929, CFPL Tank No. 80-6

Dear Mr. Fancy:

Central Florida Pipeline Corporation (CFPL), a subsidiary of GATX Terminals Corporation (GATX), submitted a response letter dated November 14, 1990 to address your request for additional information pertaining to the application to construct petroleum storage Tank No. 80-6

CFPL inadvertently neglected to enclose the following attachments with the response letter. We regret any inconvenience this may have caused, and upon receipt of these additional attachments this should complete the construction permit application.

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

Sincerely,  
CENTRAL FLORIDA PIPELINE CORPORATION

*Caren D. Jennie for*

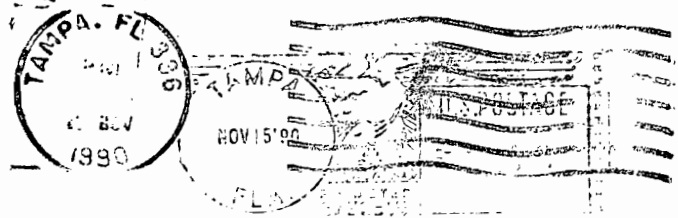
Tom Rigg  
Florida Operations Manager

*St. Hemlock  
E. Collins,*  
TR:mr

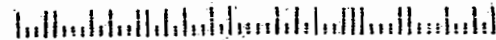
**GATX**

CENTRAL FLORIDA PIPELINE CORPORATION  
subsidiary of  
GATX TERMINALS CORPORATION

1904 Hemlock Avenue  
Tampa, Florida 33605-6632



ATTN: MR. C.H. FANCY  
BUREAU CHIEF OF AIR SECTION  
F.D.E.R.  
TWIN TOWERS OFFICE BUILDING  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32399-2400

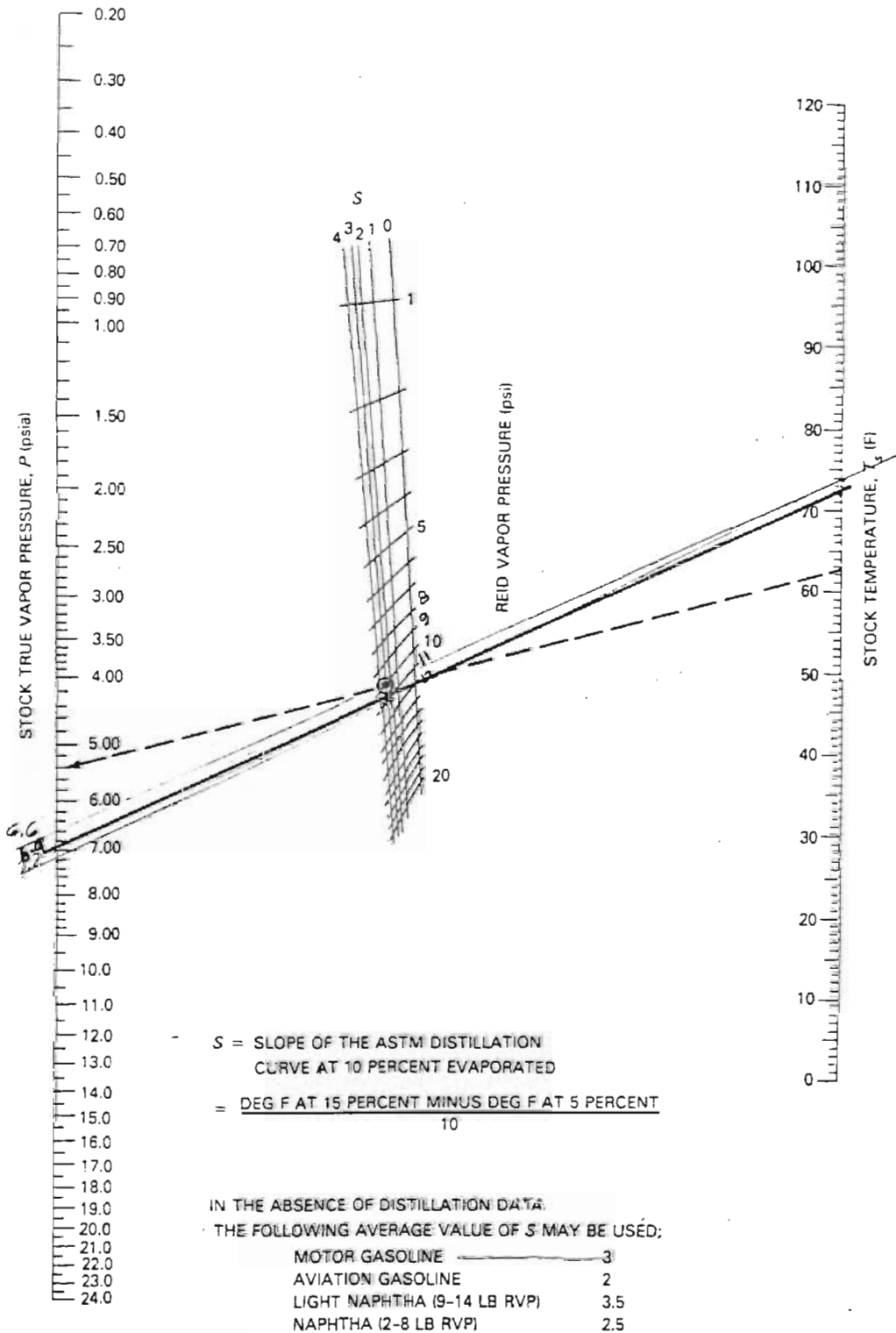


*Faint handwritten text, possibly a return address or recipient name, is visible in the bottom left corner of the envelope.*

Table 8—Average Annual Ambient Temperature ( $T_a$ , °F) for Selected U.S. Locations

Birmingham, AL	62.4	West Palm Beach, FL	74.5	St. Louis, MO	55.9	Erie, PA	47.1
Huntsville, AL	60.8	Athens, GA	61.5	Springfield, MO	56.1	Harrisburg, PA	53.4
Mobile, AL	67.4	Atlanta, GA	60.8	Billings, MT	46.3	Philadelphia, PA	54.6
Montgomery, AL	64.8	Augusta, GA	63.4	Glasgow, MT	41.5	Pittsburgh, PA—Intl AP	50.4
Anchorage, AK	35.0	Columbus, GA	64.3	Great Falls, MT	44.9	Avoca, PA	49.4
Annette, AK	45.7	Macon, GA	65.1	Havre, MT	42.2	Williamsport, PA	50.4
Barrow, AK	9.8	Savannah, GA	65.9	Helena, MT	43.2	San Juan, PR	78.6
Barter Island, AK	10.1	Hilo, HI	73.4	Kalispell, MT	41.8	Providence, RI	50.0
Bethel, AK	28.7	Honolulu, HI	76.6	Miles City, MT	45.3	Charleston, SC	64.7
Bettles, AK	21.3	Kahului, HI	75.2	Missoula, MT	43.7	Columbia, SC	63.5
Big Delta, AK	27.5	Lihue, HI	75.1	Grand Island, NE	50.1	Greenville-Spartanburg, SC	60.6
Cold Bay, AK	37.9	Boise, ID	50.9	Lincoln, NE	51.0	Aberdeen, SD	42.8
Fairbanks, AK	25.7	Pocatello, ID	46.7	North Platte, NE	48.6	Huron, SD	44.8
Gulkana, AK	26.8	Cairo, IL	59.4	Omaha, NE	51.5	Rapid City, SD	46.6
Homer, AK	36.5	Chicago, IL—O'Hare AP	48.8	Scottsbluff, NE	48.2	Sioux Falls, SD	45.4
Juneau, AK	40.3	Moline, IL	49.8	Valentine, NE	46.9	Bristol-Johnson City, TN	56.1
King Salmon, AK	33.2	Peoria, IL	50.8	Elko, NV	45.4	Chattanooga, TN	59.8
Kodiak, AK	40.7	Rockford, IL	48.1	Ely, NV	44.1	Knoxville, TN	59.7
Kotzebue, AK	20.9	Springfield, IL	52.7	Las Vegas, NV	65.8	Memphis, TN	61.6
McGrath, AK	25.2	Evansville, IN	56.0	Reno, NV	49.4	Nashville, TN	59.4
Nome, AK	25.6	Fort Wayne, IN	49.9	Winnemucca, NV	47.9	Oak Ridge, TN	57.8
St. Paul Island, AK	34.5	Indianapolis, IN	52.3	Concord, NH	45.6	Abilene, TX	64.5
Talkeetna, AK	32.8	South Bend, IN	49.1	Mt. Wash., NH	26.9	Amarillo, TX	57.4
Yakutat, AK	38.8	Des Moines, IA	49.0	Atlantic City, NJ	53.7	Austin, TX	68.1
Flagstaff, AZ	45.3	Sioux City, IA	48.4	Newark, NJ	53.9	Brownsville, TX	73.8
Phoenix, AZ	70.3	Waterloo, IA	46.4	Trenton, NJ	54.0	Corpus Christi, TX	71.9
Tucson, AZ	67.8	Concordia, KS	53.1	Albuquerque, NM	56.8	Dallas-Fort Worth, TX	65.5
Winslow, AZ	55.3	Dodge City, KS	54.9	Roswell, NM	59.1	Del Rio, TX	70.0
Yuma, AZ	73.7	Goodland, KS	50.6	Albany, NY	47.6	El Paso, TX	63.4
Fort Smith, AR	61.3	Topeka, KS	54.3	Binghamton, NY	46.0	Galveston, TX	69.8
Little Rock, AR	61.0	Wichita, KS	56.6	Buffalo, NY	47.1	Houston, TX	68.9
Bakersfield, CA	64.9	Cincinnati, KY—AP	54.0	NY, NY—Central Park	54.5	Lubbock, TX	59.7
Blue Canyon, CA	50.1	Lexington, KY	55.2	NY, NY—JFK AP	53.1	Midland-Odessa, TX	63.9
Eureka, CA	52.2	Louisville, KY	55.6	NY, NY—La Guardia AP	54.3	Port Arthur, TX	68.5
Fresno, CA	62.3	Baton Rouge, LA	67.4	Rochester, NY	47.9	San Angelo, TX	66.2
Long Beach, CA	63.3	Lake Charles, LA	68.3	Syracuse, NY	48.1	San Antonio, TX	68.8
LA, CA—Intl AP	61.7	New Orleans, LA	68.3	Asheville, NC	55.7	Victoria, TX	70.1
Los Angeles, CA—City	64.8	Shreveport, LA	65.9	Cape Hatteras, NC	61.7	Waco, TX	67.1
Oakland, CA	57.4	Caribou, ME	38.8	Charlotte, NC	60.5	Wichita Falls, TX	64.1
Red Bluff, CA	62.8	Portland, ME	45.0	Greensboro, NC	58.1	Salt Lake City, UT	51.0
Sacramento, CA	60.3	Baltimore, MD	55.0	Raleigh, NC	59.1	Burlington, VT	44.4
San Diego, CA	62.9	Blue Hill Observ., MA	48.8	Wilmington, NC	63.7	Lynchburg, VA	56.3
San Fran., CA—Intl AP	56.9	Boston, MA	51.3	Bismarck, ND	41.4	Norfolk, VA	59.3
San Fran., CA—City	56.7	Worcester, MA	47.1	Fargo, ND	40.8	Richmond, VA	57.8
Santa Maria, CA	56.9	Alpena, MI	42.1	Williston, ND	40.9	Roanoke, VA	55.9
Stockton, CA	60.7	Detroit, MI—City AP	49.9	Akron, OH	49.6	Olympia, WA	50.1
Colorado Springs, CO	48.4	Detroit, MI—Metro AP	49.1	Cincinnati, OH	54.9	Quillayute, WA	48.7
Denver, CO	50.1	Flint, MI	46.8	Cleveland, OH	49.7	Seattle, WA—Intl AP	51.1
Grand Junction, CO	52.7	Grand Rapids, MI	47.8	Columbus, OH	51.5	Spokane, WA	47.3
Pueblo, CO	52.8	Houghton Lake, MI	42.7	Dayton, OH	52.0	Walla Walla, WA	54.1
Bridgeport, CT	51.9	Lansing, MI	47.5	Mansfield, OH	51.2	Yakima, WA	49.8
Hartford, CT	49.1	Marquette, MI	42.6	Toledo, OH	49.3	Beckley, WV	50.9
Wilmington, DE	54.0	Muskegon, MI	47.3	Youngstown, OH	48.7	Charleston, WV	55.2
Wash., DC—Dulles AP	53.7	Sault St. Marie, MI	40.0	Oklahoma City, OK	59.9	Elkins, WV	49.6
Wash., DC—Nat'l AP	57.3	Duluth, MN	38.6	Tulsa, OK	60.2	Huntington, WV	55.2
Apalachicola, FL	68.5	International Falls, MN	36.5	Astoria, OR	50.5	Parkersburg, WV	54.6
Daytona Beach, FL	70.5	Minn.-St. Paul, MN	44.1	Burns, OR	46.0	Green Bay, WI	43.7
Fort Myers, FL	73.9	Rochester, MN	43.6	Eugene, OR	52.6	La Cross, WI	46.4
Jacksonville, FL	68.4	Saint Cloud, MN	41.7	Medford, OR	53.0	Madison, WI	44.9
Key West, FL	78.2	Jackson, MS	65.0	Pendleton, OR	52.4	Milwaukee, WI	45.7
Miami, FL	75.5	Meridian, MS	64.5	Portland, OR	52.6	Casper, WY	45.4
Orlando, FL	71.8	Columbia, MO	54.4	Salem, OR	52.3	Cheyenne, WY	45.9
Pensacola, FL	68.0	Kansas City, MO—AP	53.7	Sexton Summit, OR	47.7	Lander, WY	44.4
Tallahassee, FL	67.7	Kansas City, MO	56.8	Allentown, PA	51.0	Sheridan, WY	45.0
Tampa, FL	72.2	Saint Joseph, MO	53.7				

SOURCE: Reference 5.



NOTES:

1. Dashed line illustrates sample problem for RVP = 10 pounds per square inch, gasoline stock ( $S = 3$ ) and  $T_i = 62.5$  F.

2. See page 18 for the equation for stock true vapor pressure,  $P$ .

SOURCE: Nomograph drawn from the data of the National Bureau of Standards.

Figure 4—True Vapor Pressure ( $P$ ) of Refined Petroleum Stocks (1 psi to 20 psi RVP)



Vapor mounted primary  
Rim mounted secondary

Using AP42-4.3

EMISSION LOSS CALCULATIONS  
TANK NO. 80-6  
GASOLINE IFR - 112' Diam.

$$LT = L_R + L_W + L_F + L_D$$

Throughput Amounts: 3,258,000 Bbls.

Rim Seal Loss -

$$LR = K_s V^n P^* D M K_c$$

LR = Rim seal loss

K<sub>s</sub> = Seal factor 2.5

V = Avg. wind speed 0 - not req'd w/IFR.

n = Seal related wind speed exp. 0

P\* = Vapor pressure function 0.157

D = Tank diameter 112'

M = Avg. vapor molecular wt. 64

K<sub>c</sub> = Product factor 1

$$2.5 \times 0.157 \times 112 \times 64 \times 1 = 2813.44 \text{ lbs./yr.}$$

1.41 TPY

EMISSION LOSS CALCULATIONS  
TANK NO. 80-6  
GASOLINE IFR - 112' Diam.

Withdrawal Loss -

$$L = \frac{(0.943) QCWL}{D} \left[ 1 + \frac{NcFc}{D} \right]$$

L = Withdrawal loss (lb./yr.)

Q = Throughput

C = Shell clingage factor

W = Avg. organic liquid density

D = Tank diameter

Nc = Number of columns

Fc = Effective column diameter

\*\*using constr.  
appl. thruput 3,258,000

.0015

5.6

112'

7

0.7

$$\frac{(0.943) (3,258,000) (.0015) (5.6)}{112}$$

(230.42)

$$\left[ 1 + \frac{7 \times 0.7}{112} \right]$$

(1.04) = 239.64 lbs./yr.  
.12 TPY

EMISSION LOSS CALCULATIONS  
TANK NO. 80-6  
GASOLINE IFR - 112' Diam.

Deck Fitting Loss -

$$L = F \frac{P^* M}{F_v} K_c$$

L = Fitting loss (lbs./yr.)

F = Total deck fitting loss factor:

<u>Deck Fittings</u>	<u>N</u> (K )
	<u>F</u> <u>F</u>
Access Hatch	2 (1.6)
Side Gauge	1 (5.1)
Column Well	7 (19)
Ladder Well	1 (56)
½" Stub Drains	22.4 (1.2) 1 per 5' of tank diam. (per mfgr.)
Vacuum Breaker	1 (0.7)
Sample Well	1 (12)
Roof Legs	54** (7.9)

\*\* per mfgr.

$$[3.2 + 5.1 + 133 + 56 + 26.88 + 0.7 + 12 + 426.60] = 663.48$$

P\* = Vapor pressure function 0.157

M = Avg. vapor molecular wt. 64

K = Product factor 1

$$663.48 \times 0.157 \times 64 \times 1 = 6666.65 \text{ lbs./yr.}$$

3.33 TPY

EMISSION LOSS CALCULATIONS  
TANK NO. 80-6  
GASOLINE IFR - 112' Diam.

Deck Seam Loss -

$$L = \frac{K}{D} \frac{S}{D} \frac{D^2}{D} \frac{P^*}{v} \frac{M}{c} K$$

L = Deck seam loss (lb./yr.)

$\frac{K}{D}$  = Deck seam loss per unit seam length factor 0.34

$\frac{S}{D}$  = Deck seam length factor 0.20

D = Tank diameter 112'

P\* = Vapor pressure function 0.157

$\frac{M}{v}$  = Avg. molecular wt. 64

$\frac{K}{c}$  = Product factor 1

$$0.34 \times 0.20 \times 112^2 \times 0.157 \times 64 \times 1$$

$$0.34 \times 0.20 \times 12,544 \times 0.157 \times 64 \times 1 = 8,570.86 \text{ lbs./yr.}$$

4.29 TPY

Total Loss

$$LT = L_R + L_W + L_F + L_D$$

$$1.41 + .12 + 3.33 + 4.29 = \underline{\underline{9.15 \text{ TPY}}}$$



CENTRAL FLORIDA PIPELINE CORPORATION  
subsidiary of  
GATX TERMINALS CORPORATION

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

November 14, 1990

RECEIVED

NOV 19 1990

SAQM

Mr. C. H. Fancy  
Bureau Chief of Air Section  
Florida Department of Environmental Regulation  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Re: Central Florida Pipeline Corporation  
File No. AC48-186929, CFPL Tank No. 80-6

Dear Mr. Fancy:

Central Florida Pipeline Corporation (CFPL), a subsidiary of GATX Terminals Corporation (GATX), is in receipt of your request for additional information relative to the permit to construct petroleum storage Tank No. 80-6 at the Taft facility, Orange County, Florida. In response to the Department's questions, CFPL provides the following information:

1. Will the operation of Tank No. 80-6 increase VOC emissions from any other air pollution source at this terminal? If an increase in emissions for an existing source exceeds the permitted emissions, a new application for permit to construct (modify) must be submitted for that source.

Response: The operation of Tank No. 80-6 will increase VOC emissions to the truck loading racks. On October 15, 1990, CFPL submitted a request for modification to the truck loading rack permit, Florida Department of Environmental Regulation (FDER) Permit No. A048-126131, which reflects installation of a John Zink model flare unit to which these increased emissions will be directed.

2. What petroleum products will be handled in Tank No. 80-6? What is the maximum vapor pressure of these products? If the vapor pressure of any of the products exceed 6.0 psia, the VOC emissions from Tank No. 80-6 must be revised.

**GATX**

GATX TERMINALS CORPORATION

100 GATX DRIVE  
TAMPA, FL 33605



Mr. C. H. Fancy  
Bureau Chief of Air Section  
Florida Department of Environmental  
Regulation  
Twin Towers Office Bldg.  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400

Mr. C. H. Fancy  
Nov. 14, 1990  
Page 2

Response: The petroleum products which will be handled in Tank No. 80-6 are gasoline and diesel. CFPL herewith provides the revised emissions calculations as Attachment I. The calculations are based on a vapor pressure of 6.9 psia, the higher vapor pressure of the two products to be stored.

3. Unless the floating roof seams in Tank No. 80-6 are welded or the tank has an external floating roof, the procedures in AP-42 imply there will be a deck seam loss. Please estimate the deck seam loss from the proposed tank.

Response: The internal floating roof (IFR) CFPL proposes to use in Tank No. 80-6 construction is an aluminum bolted deck IFR, therefore, a deck seam loss has been accounted for in the attached emissions calculations.

I trust this additional information completes CFPL's construction permit application. Should this not be the case, please contact me as soon as possible so that CFPL may provide any further information.

Sincerely,  
CENTRAL FLORIDA PIPELINE CORPORATION



Tom Rigg  
Florida Operations Manager

TR:mr

cc: C. Collins, FDER-Central District

*Mr. Hanks*

TRUE VAPOR PRESSURETheoretical:

EPA/FL Law: Max. allowables - Reid V. P.  
 (FL) Nov 1 through Mar 31 - 13.5 = 151 days = 2038.50  
 (EPA) Apr 1 through Sep 15 - 10.5 = 168 days = 1764.00  
 (FL) Sep 16 through Oct 31 - 11.5 = 46 days = 529.00  
 4331.50

Weighted  
Avg. VP

4331.50 ÷ 365 days = 11.87 psia

Actual:

82 marine deliveries into GATX, total of 1,260,500 Bbls, between 4/1/90 and 4/28/90 show average RVP of 9.79. Florida law limits RVP to 10.5 during this period, therefore, the average RVP of the products stored at GATX is (10.5 minus 9.79) or 0.71 below allowable as an average for this period.

It is appropriate to assume GATX receipts will be below EPA and Florida maximum allowable RVP in all three periods by a similar amount (i.e. 0.71 psia).

If the weighted average RVP allowable is 11.87, the average RVP of products stored at GATX will be (11.87 - 0.71) = 11.16, or 11.2 psia.

Reference

API-2517, Table 8, Temperature for Tampa = 72° F.  
 API-2517, Figure 4, True Vapor Pressure = 6.9 psia.



P 256 395 205

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL

(See Reverse)

PS Form 3800, June 1985  
\* U.S.G.P.O. 1989-234-555

Sent to	Tom Rigg
Street and No.	Central Fla. Pipeline
State and ZIP Code	100 GATX Dr.
Postage	Tampa, FL
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	AC 48-146929 10-5-90

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

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

3. Article Addressed to: Tom Rigg Mgr. of Fla. Operations Central Fla. Pipeline Corp. 100 GATX Dr. Tampa, FL 33605	4. Article Number P 256 395 205
Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise	
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature — Addressee X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature — Agent X Sandy Wilburn	
7. Date of Delivery 10-5-90	



# Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

October 4, 1990

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Tom Rigg  
Manager of Florida Operations  
Central Florida Pipeline Corporation  
100 GATX Drive  
Tampa, Florida 33605

Dear Mr. Rigg:

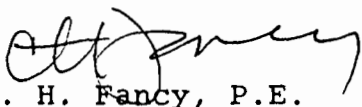
Re: File No. AC 48-186929, GATX Tank No. 80-6

The Department has made a preliminary review of your application for a permit to construct Petroleum Storage Tank No. 80-6 at the GATX terminal in Taft, Orange County, Florida. Before this application can be processed, we need the following information.

1. Will the operation of Tank No. 80-6 increase VOC emissions from any other air pollution source at this terminal? If an increase in emissions for an existing source exceeds the permitted emissions, a new application for permit to construct (modify) must be submitted for that source.
2. What petroleum products will be handled in Tank No. 80-6? What is the maximum vapor pressure of these products? If the vapor pressure of any of the products exceed 6.0 psia, the VOC emissions from Tank No. 80-6 must be revised.
3. Unless the floating roof seams in Tank No. 80-6 are welded or the tank has an external floating roof, the procedures in AP-42 imply there will be a deck seam loss. Please estimate the deck seam loss from the proposed tank.

We will resume processing the application after we received the requested information. If you have any questions on this matter, please write to me or call Willard Hanks at (904)488-1344.

Sincerely,

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

CHF/WH/plm

c: Charles Collins, Central District  
Stanford Strehler, Jr., P.E.



CENTRAL FLORIDA PIPELINE CORPORATION  
subsidiary of  
GATX TERMINALS CORPORATION  
1904 Hemlock Avenue  
Tampa, FL 33605  
813-248-1111

RECEIVED  
DER-MAIL ROOM

1990 SEP 25 PM 12:16

RECEIVED  
SEP 25 1990

DER-BAQM

September 19, 1990

Mr. C. H. Fancy  
Bureau Chief of Air Section  
Florida Department of Environmental Regulation  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

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

Dear Mr. Fancy:

Central Florida Pipeline Corporation, a subsidiary of GATX Terminals Corporation, proposes the construction of one (1) 80,000 barrel cone roof gasoline storage tank at its Taft, Florida terminal.

Provided for your review and approval are five (5) copies of the following:

- 1) Florida Department of Environmental Regulation Application to Construct Air Pollution Sources (DER Form 17-1.202(1)).
- 2) Location maps.
- 3) Flow diagram.
- 4) Air Emissions Calculations and Emissions Summary.
- 5) Vapor seal design details.

A check for the application fee of \$200 is also provided herein.

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

Sincerely,  
CENTRAL FLORIDA PIPELINE CORPORATION

Caren I. Lennie  
Environmental Coordinator

CIL:mrr  
cl-constr  
cc: *St. Hanks*  
*e. Collins*

CENTRAL FLORIDA PIPELINE CORPORATION 02-90

Best Available Copy

235

PHONE 813 248-2148  
104 HEMLOCK AVENUE  
TAMPA, FL 33605

9-19 1990

PAY TO THE ORDER OF TWO HUNDRED AND 00/100 DOLLARS \$ 200

FLORIDA DEPT. OF ENVIRONMENTAL REGULATION  
BUREAU OF AIR REGULATION  
TALLAHASSEE, FLA. 32399-2400

FOR TAFT CONSTR. APPLICATION FEE

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

Dear Mr. Fancy:

Central Florida Pipeline Corporation, a subsidiary of GATX Terminals Corporation, proposes the construction of one (1) 80,000 barrel cone roof gasoline storage tank at its Taft, Florida terminal.

Provided for your review and approval are five (5) copies of the following:

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

Sincerely,  
CENTRAL FLORIDA PIPELINE CORPORATION

Caren I. Lennie  
Environmental Coordinator

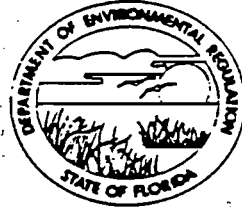
001031

CIL:mrr  
cl-constr

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

# 200pd.  
9-25-90  
Recpt. # 151177

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



BOB GRAHAM  
GOVERNOR  
VICTORIA J. TSCHINKEL  
SECRETARY

AC 48-186929

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: One (1) petroleum storage tk.  New<sup>1</sup>  Existing<sup>1</sup>

APPLICATION TYPE:  Construction  Operation  Modification

COMPANY NAME: Central Florida Pipeline Corporation COUNTY: Orange

Identify the specific emission point source(s) addressed in this application (i.e. Line  
Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired) Tank No. 80-6

SOURCE LOCATION: Street 9919 Palm Avenue City Taft

UTM: East 17-463.8 km North 3143.8 km

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

APPLICANT NAME AND TITLE: Tom Rigg, Florida Operations Manager

APPLICANT ADDRESS: 100 GATX Drive, Tampa, Florida 33605

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative\* of Central Florida Pipeline Corp.

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

\*Attach letter of authorization

Signed: 

Tom Rigg, Florida Operations Manager  
Name and Title (Please Type)

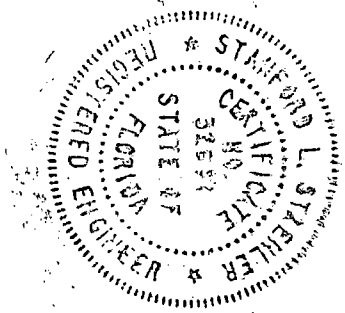
Date: 9/19/90 Telephone No. (813) 248-2148

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

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

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



Signed Stan Strehler

Stanford L. Strehler, Jr.  
Name (Please Type)

GATX Terminals Corporation  
Company Name (Please Type)

100 GATX Drive, Tampa, FL 33605  
Mailing Address (Please Type)

Florida Registration No. 032697 Date: 9-19-90 Telephone No. (813) 248-2148

**SECTION II: GENERAL PROJECT INFORMATION**

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

See attached sheet.

B. Schedule of project covered in this application (Construction Permit Application Only)  
Start of Construction upon receipt of permit Completion of Construction over 5 years, phased 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.)

Price of controls per tank approximately \$65,000.

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

New sources - no previous permit.

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

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

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

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

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

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

N/A

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

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

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

2. Product Weight (lbs/hr): For thruput at each tank, see calculations sheet.

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

Name of Contaminant	Emission <sup>1</sup>		Allowed Emission Rate per Rule 17-2	Allowable <sup>3</sup> Emission lbs/hr	Potential <sup>4</sup> Emission		Relate to Flow Diagram
	Maximum lbs/hr	Actual T/yr			lbs/yr	T/yr	
VOC's		1.9	N/A	N/A		1.9	N/A

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

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

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

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

a. See calculations for tank emissions.

b. Potential emission as defined in Rule 17-2.



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

Name and Type (Model & Serial No.)	Contaminant	Efficiency	Range of Particles Size Collected (in microns) (If applicable)	Basis for Efficiency (Section V Item 5)
Internal floating roof with double wiper seal	VOC's	N/A	N/A	N/A

E. Fuels N/A

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

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

Fuel Analysis:

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

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

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

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

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

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

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

N/A

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

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

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

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

**SECTION IV: INCINERATOR INFORMATION**

N/A

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

Description of Waste \_\_\_\_\_

Total Weight Incinerated (lbs/hr) \_\_\_\_\_ Design Capacity (lbs/hr) \_\_\_\_\_

Approximate Number of Hours of Operation per day \_\_\_\_\_ day/wk \_\_\_\_\_ wks/yr. \_\_\_\_\_

Manufacturer \_\_\_\_\_

Date Constructed \_\_\_\_\_ Model No. \_\_\_\_\_

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

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

Gas Flow Rate: \_\_\_\_\_ ACFM \_\_\_\_\_ DSCFM\* Velocity: \_\_\_\_\_ FPS

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

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

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

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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

**SECTION V: SUPPLEMENTAL REQUIREMENTS**

Please provide the following supplements where required for this application.

1. Total process input rate and product weight -- show derivation [Rule 17-2.100(127)]  
see calculations  
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.
2. see calculations
3. Attach basis of potential discharge (e.g., emission factor, that is, AP42 test).  
see calculations
4. With construction permit application, include design details for all air pollution control systems (e.g., for baghouse include cloth to air ratio; for scrubber include cross-section sketch, design pressure drop, etc.)  
see drawings for a typical Mayflower tank. New tanks will be of similar design.
5. With construction permit application, attach derivation of control device(s) efficiency. Include test or design data. Items 2, 3 and 5 should be consistent: actual emissions = potential (1-efficiency).  
see calculations
6. An 8 1/2" x 11" flow diagram which will, without revealing trade secrets, identify the individual operations and/or processes. Indicate where raw materials enter, where solid and liquid waste exit, where gaseous emissions and/or airborne particles are evolved and where finished products are obtained.  
see attached.
7. An 8 1/2" x 11" plot plan showing the location of the establishment, and points of airborne emissions, in relation to the surrounding area, residences and other permanent structures and roadways (Example: Copy of relevant portion of USGS topographic map).  
see attached
8. An 8 1/2" x 11" plot plan of facility showing the location of manufacturing processes and outlets for airborne emissions. Relate all flows to the flow diagram.  
see attached.

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

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

N/A

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

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

Yes  No

Contaminant

Rate or Concentration

_____	_____
_____	_____
_____	_____
_____	_____

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

Yes  No

Contaminant

Rate or Concentration

_____	_____
_____	_____
_____	_____
_____	_____

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

Contaminant

Rate or Concentration

_____	_____
_____	_____
_____	_____
_____	_____

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

1. Control Device/System:

2. Operating Principles:

3. Efficiency:\*

4. Capital Costs:

\*Explain method of determining

5. Useful Life:

6. Operating Costs:

7. Energy:

8. Maintenance Cost:

9. Emissions:

Contaminant	Rate or Concentration

10. Stack Parameters

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

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

1.

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

2.

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

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

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

j. Applicability to manufacturing processes:

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

3.

a. Control Device:

b. Operating Principles:

c. Efficiency:<sup>1</sup>

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:<sup>2</sup>

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

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

4.

a. Control Device:

b. Operating Principles:

c. Efficiency:<sup>1</sup>

d. Capital Costs:

e. Useful Life:

f. Operating Cost:

g. Energy:<sup>2</sup>

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

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

F. Describe the control technology selected:

1. Control Device:

2. Efficiency:<sup>1</sup>

3. Capital Cost:

4. Useful Life:

5. Operating Cost:

6. Energy:<sup>2</sup>

7. Maintenance Cost:

8. Manufacturer:

9. Other locations where employed on similar processes:

a. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

Explain method of determining efficiency.

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

(5) Environmental Manager:

(6) Telephone No.:

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

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

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

b. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

(5) Environmental Manager:

(6) Telephone No.:

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

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

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

10. Reason for selection and description of systems:

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

SECTION VII - PREVENTION OF SIGNIFICANT DETERIORATION N/A

A. Company Monitored Data

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

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

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

Attach all data or statistical summaries to this application.

Specify bubbler (B) or continuous (C).

2. Instrumentation, Field and Laboratory

a. Was instrumentation EPA referenced or its equivalent? [ ] Yes [ ] No

b. Was instrumentation calibrated in accordance with Department procedures?  
[ ] Yes [ ] No [ ] Unknown

B. Meteorological Data Used for Air Quality Modeling

1. \_\_\_\_\_ Year(s) of data from \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ to \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_  
month day year month day year

2. Surface data obtained from (location) \_\_\_\_\_

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

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

C. Computer Models Used

1. \_\_\_\_\_ Modified? If yes, attach description.

2. \_\_\_\_\_ Modified? If yes, attach description.

3. \_\_\_\_\_ Modified? If yes, attach description.

4. \_\_\_\_\_ Modified? If yes, attach description.

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

D. Applicants Maximum Allowable Emission Data

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

E. Emission Data Used in Modeling

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

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

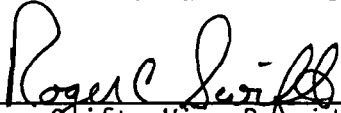
G. Discuss the social and economic impact of the selected technology versus other applicable technologies (i.e., jobs, payroll, production, taxes, energy, etc.). Include assessment of the environmental impact of the sources.

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



## CERTIFICATE

I, Roger C. Swift, Vice President and Secretary of Central Florida Pipeline Corporation, a Delaware Corporation licensed to do business in the State of Florida, do hereby certify that the person here and after named is the Florida Operations Manager, Central Florida Pipeline Corporation, a subsidiary of said corporation. That such person effective January 1, 1990 is an authorized representative of said corporation and that he was and is authorized to take all action and do all things as an authorized Company representative required or permitted under the law of the State of Florida, Department of Environmental Regulation and that such person's true and correct signature is set forth opposite his name.



\_\_\_\_\_  
Roger Swift, Vice President  
Central Florida Pipeline Corporation

In witness whereof I have here unto set my hand and seal of Central Florida Pipeline Corporation, a subsidiary of GATX Terminals Corporation this 30 day of January, 1990.

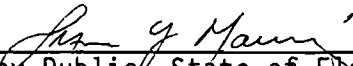


\_\_\_\_\_  
Tom Rigg, Florida Operations Manager  
Central Florida Pipeline Corporation



STATE OF FLORIDA  
COUNTY OF HILLSBOROUGH

I, the undersigned authority, hereby certify that the foregoing is a true and correct copy of the instrument presented to me by R. C. Swift as the original of such instrument. Witness my hand and official seal, this 30 day of JANUARY, A.D. 1990.



\_\_\_\_\_  
Notary Public, State of Florida

Notary Public, State of Florida  
My Commission Expires Sept. 18, 1992  
Bonded Through Troy Fair - Insurance Inc.

Best Available Copy

SCALE 1:24,000

PINE CASTLE, FLA.

N2822.5-W8115/7.5

1953

PHOTOREVISED 1970

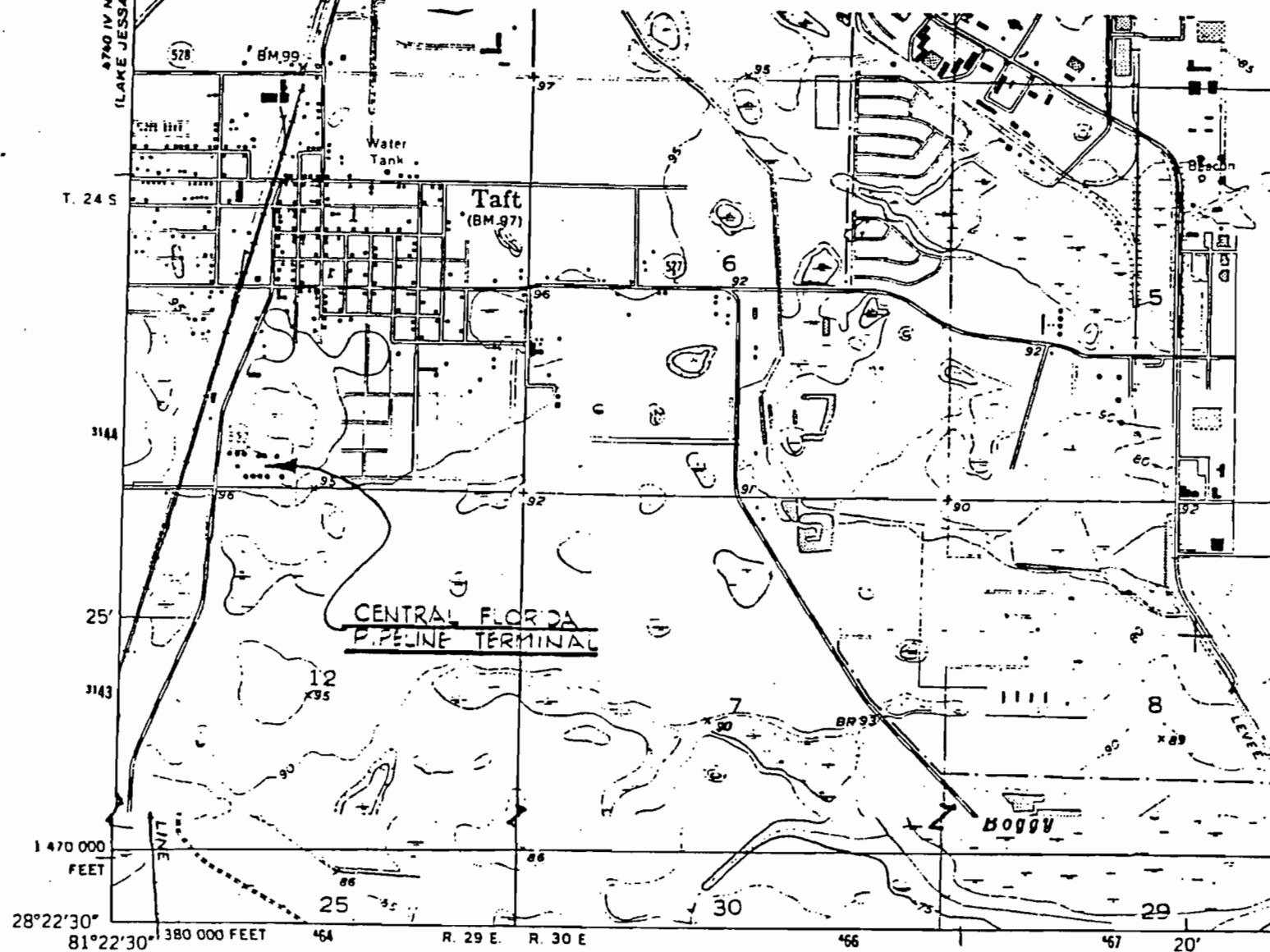
AMS 4740 IV NE-SERIES V847

1000 0 1000 2000 3000 4000 5000 6000 7000 FEET

1 5 0 1 KILOMETER

CONTOUR INTERVAL 5 FEET  
DATUM IS MEAN SEA LEVEL

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



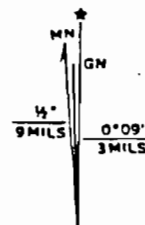
Mapped, edited, and published by the Geological Survey

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

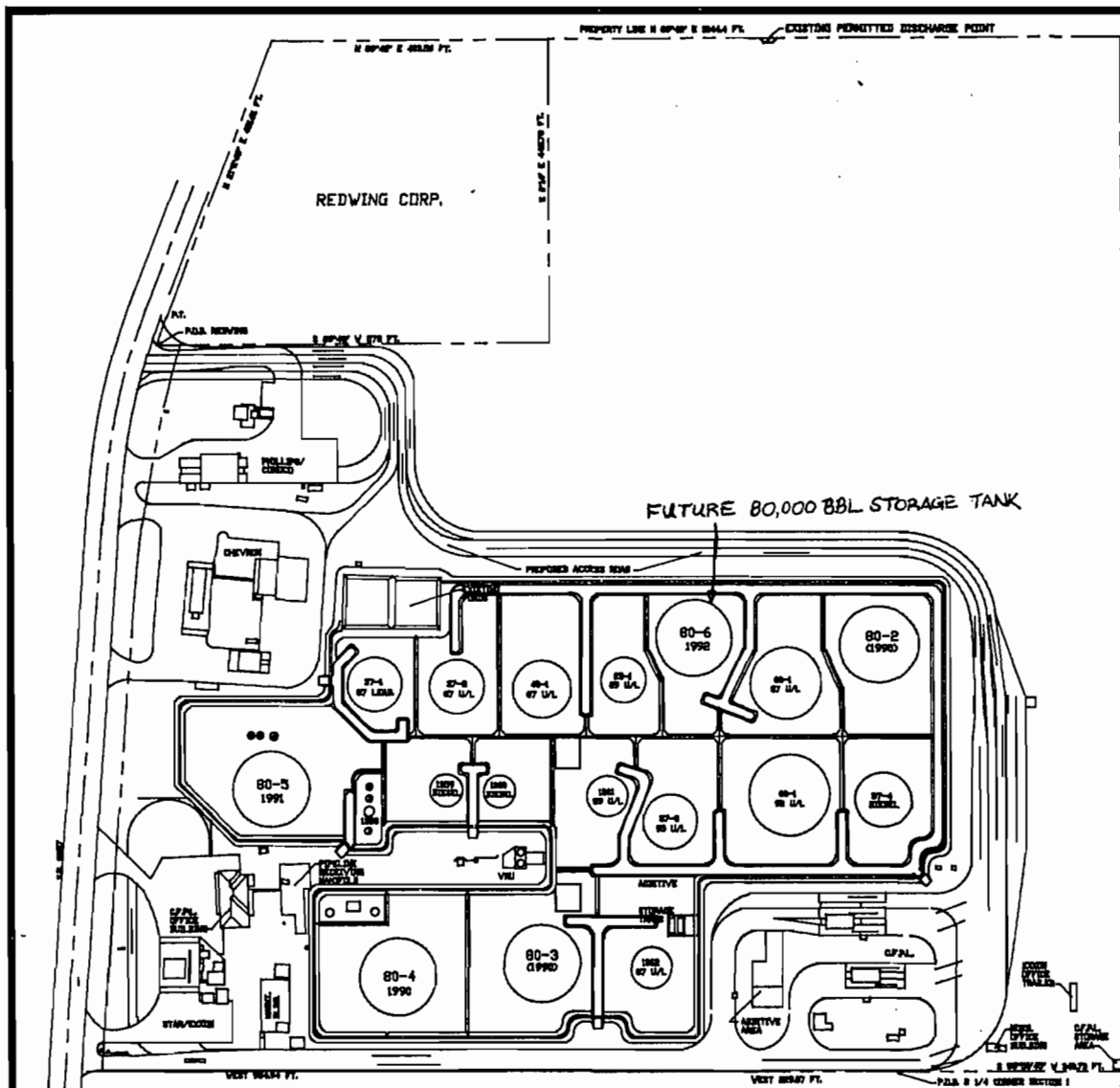
Polyconic projection, 1927 North American datum  
10,000-foot grid based on Florida coordinate system,  
east zone

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



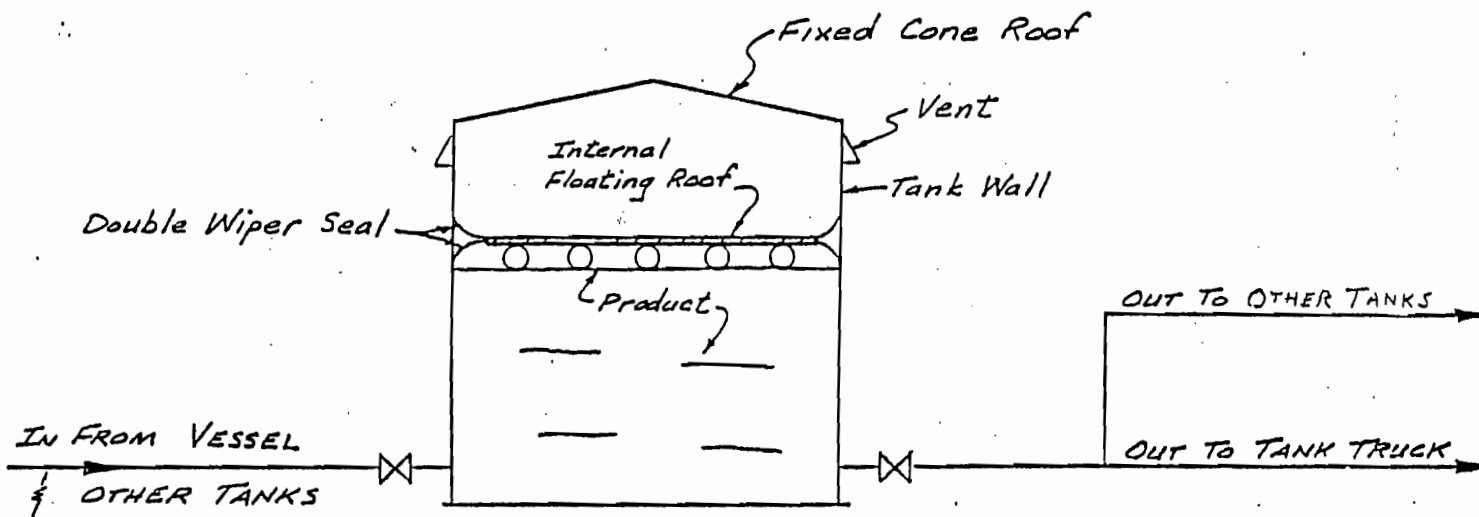
UTM GRID AND 1970 MAGNETIC NORTH  
DECLINATION AT CENTER OF SHEET

(MISSIMEE)  
4740 IV SW



TANKS			
NO.	SIZE	CAPACITY	PRODUCT
2	10'x35' C.R.	700 Bbl.	INTERFACE
3	10'x35' C.R.	700 Bbl.	INTERFACE
4	12'x40' C.R.	700 Bbl.	OUT OF SVC.
5	10'x30' C.R.	500 Bbl.	OUT OF SVC.
6	10'x30' C.R.	500 Bbl.	OUT OF SVC.
7	10'x30' C.R.	500 Bbl.	INTERFACE
8	12'x17'-10" C.R.	350 Bbl.	ADDITIVE (XCI-18)
9	12'x18' C.R.	350 Bbl.	ADDITIVE (C-TECHROLINE)
10	HORIZ.	195 Bbl.	ADDITIVE
11	HORIZ.	195 Bbl.	ADDITIVE
25-1	67'x42' L.F.R.	25,000 Bbl.	89 UNLEADED
37-1	80'x42' L.F.R.	37,500 Bbl.	89 LEADED
37-2	80'x42' L.F.R.	37,500 Bbl.	89 UNLEADED
37-3	80'x42' L.F.R.	37,500 Bbl.	93 UNLEADED
37-4	80'x42' L.F.R.	37,500 Bbl.	DIESEL
40-1	85'x40' L.F.R.	40,000 Bbl.	89 UNLEADED
60-1	106'x40' L.F.R.	60,000 Bbl.	89 UNLEADED
80-1	120'x40' L.F.R.	80,000 Bbl.	92 UNLEADED
80-2	112'x48' L.F.R.	80,000 Bbl.	93 UNLEADED
80-3	112'x48' L.F.R.	80,000 Bbl.	87 UNLEADED
80-4	112'x48' L.F.R.	80,000 Bbl.	
80-5	112'x48' L.F.R.	80,000 Bbl.	
80-6	112'x48' L.F.R.	80,000 Bbl.	
1053	52'x40' E.F.R.	15,000 Bbl.	INTERFACE
1054	67'x40' E.F.R.	25,000 Bbl.	87 UNLEADED
1055	42'x40' E.F.R.	10,000 Bbl.	87 UNLEADED
1058	15'x32' C.R.	1,000 Bbl.	INTERFACE
1059	48'x48' C.R.	15,000 Bbl.	DIESEL
1060	48'x48' C.R.	15,000 Bbl.	DIESEL
1061	60'x40' L.F.R.	20,000 Bbl.	89 UNLEADED
1062	60'x40' L.F.R.	20,000 Bbl.	87 UNLEADED

<p>THIS DRAWING OR TRACKS IS THE PROPERTY OF THE GATX TERMINALS CORPORATION AND MUST BE RETURNED UPON REQUEST. REPRODUCTION OR TRANSMISSION OF THIS INFORMATION WITHOUT WRITTEN CONSENT, ALL PATENT RIGHTS ARE RESERVED.</p>	<p>FILE NO. CFPL/DOC</p> <p>FILE NAME TPT0X11A</p> <p>PLOT SCALE 1=1</p> <p>CAD N/A</p> <p>DRAWN BY RTN</p> <p>DATE 8/17/90</p> <p>DRAWN SCALE N.T.S.</p>	<p><b>GATX</b> CENTRAL FLORIDA PIPELINE CORP. TAPT TERMINAL &amp; subsidiary of GATX TERMINALS CORPORATION</p> <p>GENERAL ARRANGEMENT - PLOT PLAN</p>
	<p>DRAWING NO.</p> <p>REVISION NO.</p>	



FLOW DIAGRAM

TNK. 80-6

4/18/88  
DOT

## SECTION II

### GENERAL PROJECT INFORMATION

#### QUESTION A:

GATX Terminals Corporation proposes to construct one (1) 80,000 Bbl cone roof gasoline storage tank. The new tank shall be equipped with an internal floating roof with a double wiper seal.

This tank will be in compliance with FDER Rule 17-2 and 40CFR60 Subpart Kb.

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

## Air Emission Calculations

Tank No. 80-6

### Deck Seam Losses, $L_D$

Deck seams are constructed to eliminate losses thru seams; therefore:  $L_D = 0$

### Deck Fitting Losses, $L_F$ (lbs/yr)

$$L_F = F_F \cdot P^* \cdot M_V \cdot K_C$$

$$\text{Where: } P^* = 0.13 \text{ (} P_V = 6.0 \text{)}$$

$$M_V = 66$$

$$K_C = 1.0$$

$$F_F = N_F (K_F) \text{ see note below}$$

$$\text{Tnk Dia.} = 112'$$

$$\text{Tnk Ht.} = 48'$$

<u>Deck Fittings</u>	<u><math>K_F</math> (<math>K_F</math>)</u>
Access Hatch	1 (1.6)
Side Gauge	1 (5.1)
Column Well	1 (33)
Ladder Well	1 (56)
1/2" Stub Drains	22.4 (1.2) 1 per 5' of tank diameter (per manufacturer)
Vacuum Breaker	1 (0.7)

$$L_F = [1.6 + 5.1 + 33 + 56 + 26.9 + 0.7](0.13)(66)(1) = 1057.9 \text{ lbs/yr}$$
$$= 0.53 \text{ tons/yr}$$

Note: Roof legs will be capped,  $N_F = 0$

Air Emission Calculations - cont.

Tank No 80-6

Rim Seal Losses,  $L_R$  (lbs/yr)

$$L_R = K_S V^n P^* D M_V K_C$$

Where:  $K_S = 2.5$   
 $n = 0$   
 $V = 8.8$

For vapor-mounted primary  
with rim mounted  
secondary

$$L_R = (2.5)(8.8)^0(0.13)(112)(66)(1) = 2402.4 \text{ lbs/yr} = 1.2 \text{ tons/yr}$$

Withdrawal Losses,  $L_W$  (lbs/yr)

$$L_W = \frac{(0.943) Q C W_L}{D} \left[ 1 + \frac{N_C R_C}{D} \right]$$

Where  $Q = 3,258,000$  Bbl Actual  
 $Q = 3,258,000$  Bbl Potential  
 $C = 0.0015$   
 $N_C = 7, EC = 1.0, W_L = 5.6$

Actual:

$$L_W \approx \frac{(0.943)(3,258,000)(0.0015)(5.6)}{112} \left[ 1 + \frac{7}{112} \right] = 244.8 \text{ lbs/yr} = 0.12 \text{ tons/yr.}$$

Potential:

$$L_W = \frac{(0.943)(3,258,000)(0.0015)(5.6)}{112} \left[ 1 + \frac{7}{112} \right] = 244.8 \text{ lbs/yr} = 0.12 \text{ tons/yr.}$$

Total Losses,  $L_T$

Actual:  $L_T = 0 + 1057.9 + 2402.4 + 244.8 = 3,705.1 \text{ lbs/yr.} = 1.9 \text{ TPY}$

Potential:  $L_T = 0 + 1057.9 + 2402.4 + 244.8 = 3,705.1 \text{ lbs/yr.} = 1.9 \text{ TPY}$

SUMMARY OF EMISSIONS

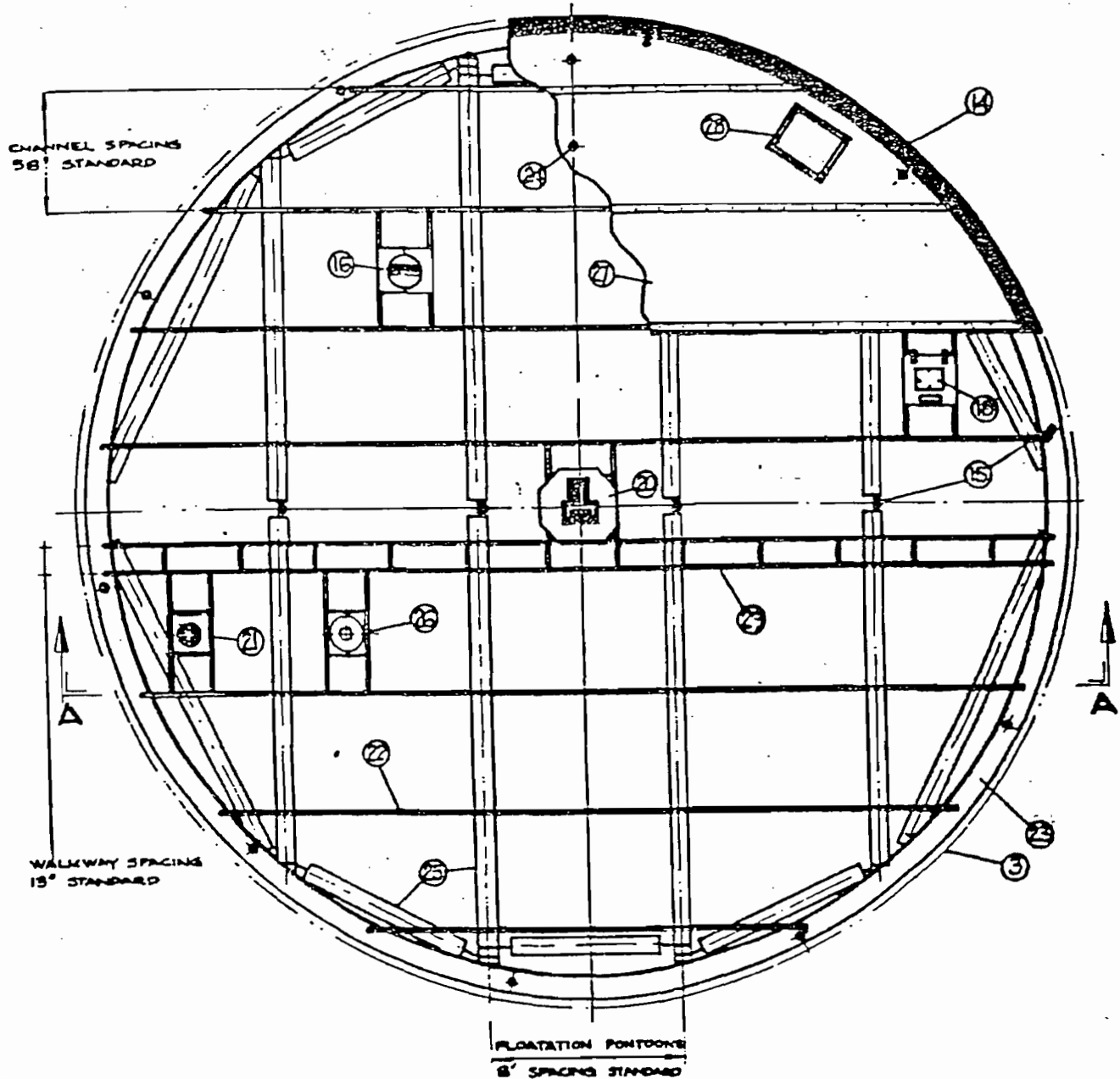
Tank	Total (Tons/Yr)	
	Actual	Potential
80-6	1.9	1.9
Total	1.9	1.9



**Mayflower**  
VAPOR SEAL CORPORATION

DESIGN DETAILS  
MAYFLOWER VAPOR SEAL  
PARTS & ACCESSORIES

16 Industrial Avenue • Little Ferry, New Jersey 07643  
phone N. J. (201) 641-0200 • N. Y. (212) CHickering 4-6144

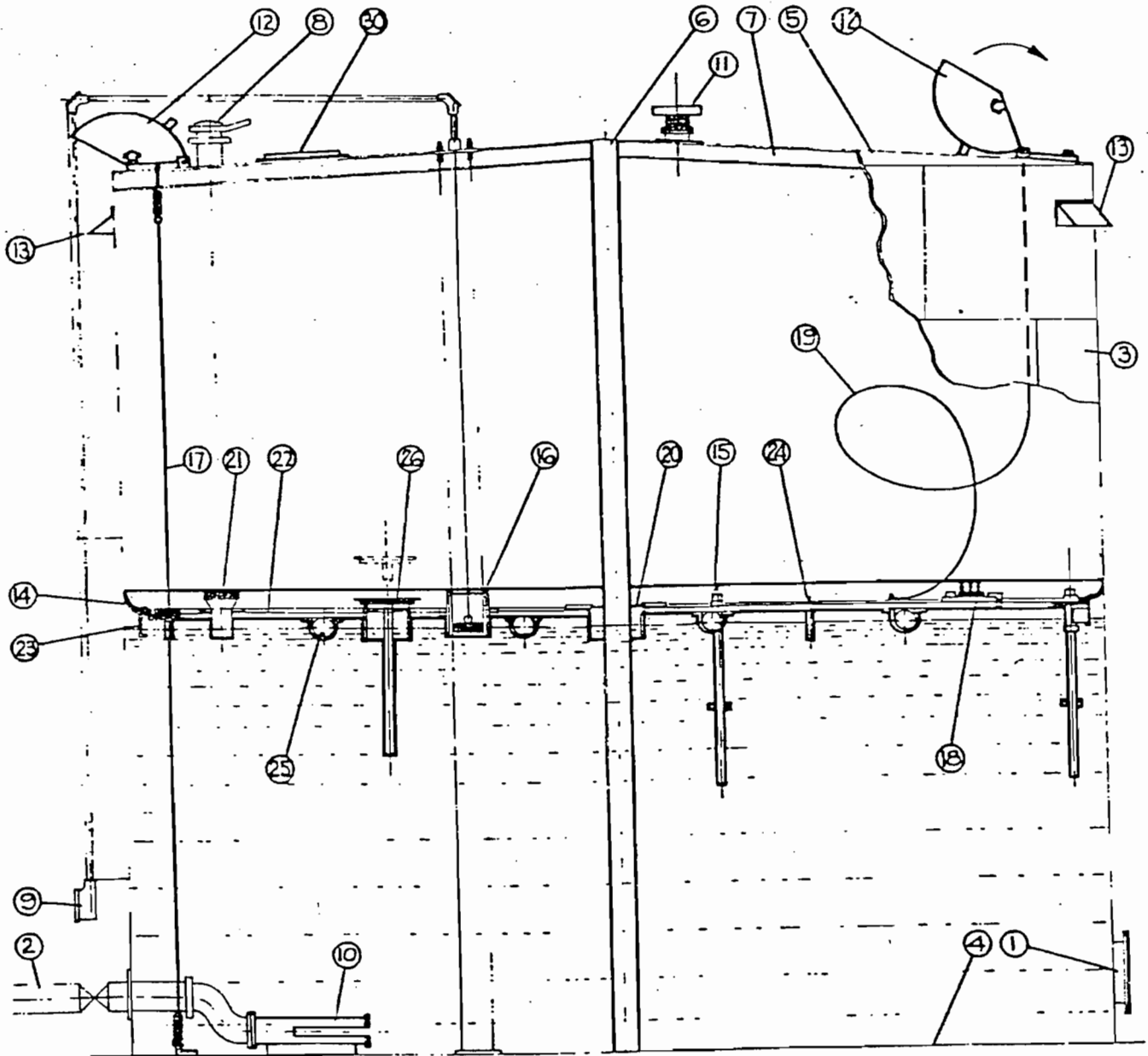


- |   |                                 |       |    |                       |       |
|---|---------------------------------|-------|----|-----------------------|-------|
| ③ | TANK SHELL                      |       | ②③ | PERIMETER SEGMENTS    | P. 3  |
| ⑭ | PERIPHERAL WIPER SEAL           | P. 7  | ②④ | DRAIN PIPES           | P. 6  |
| ⑮ | TOP ADJUSTABLE LEGS             | P. 3  | ②⑤ | FLOATATION PONTOONS   | P. 3  |
| ⑯ | FLOATWELL ASSEMBLY              | P. 9  | ②⑥ | BLEEDER VENT ASSEMBLY | P. 11 |
| ⑱ | HATCHWAY-PRESSURE/VACUUM RELIEF | P. 6  | ②⑦ | SHEETING              | P. 5  |
| ⑳ | COLUMN SEAL ASSEMBLY            | P. 6  | ②⑧ | LADDER PAD            | P. 13 |
| ㉑ | SAMPLING PORT ASSEMBLY          | P. 10 | ②⑨ | WALKWAY               | P. 1  |
| ㉒ | CHANNELS                        | P. 2  |    |                       |       |

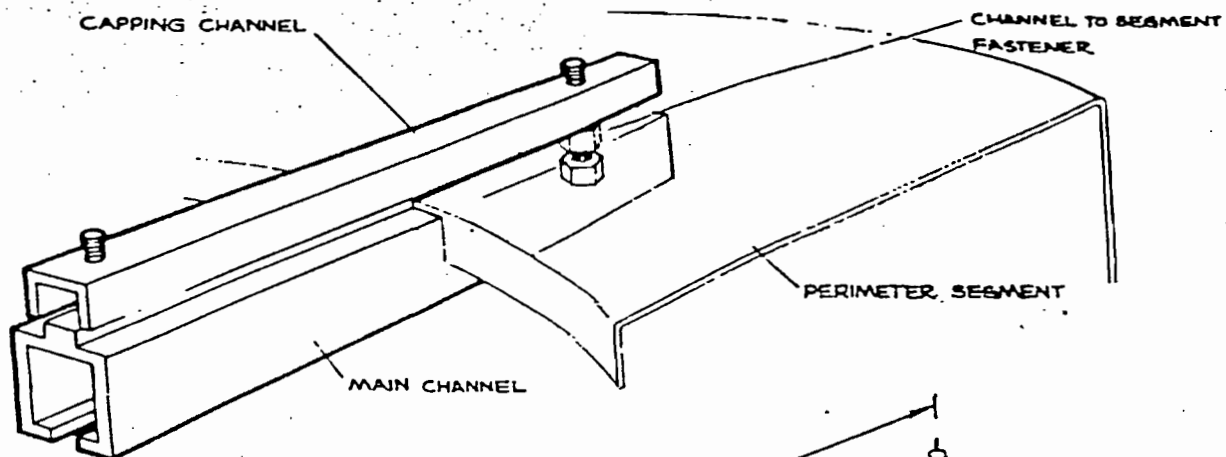
REFER TO PAGE 2 FOR SECTION A - A

MAYFLOWER VAPOR SEAL  
 TYPICAL ELEVATION VIEW OF 40 FT. DIA.  
 SECTION A - A

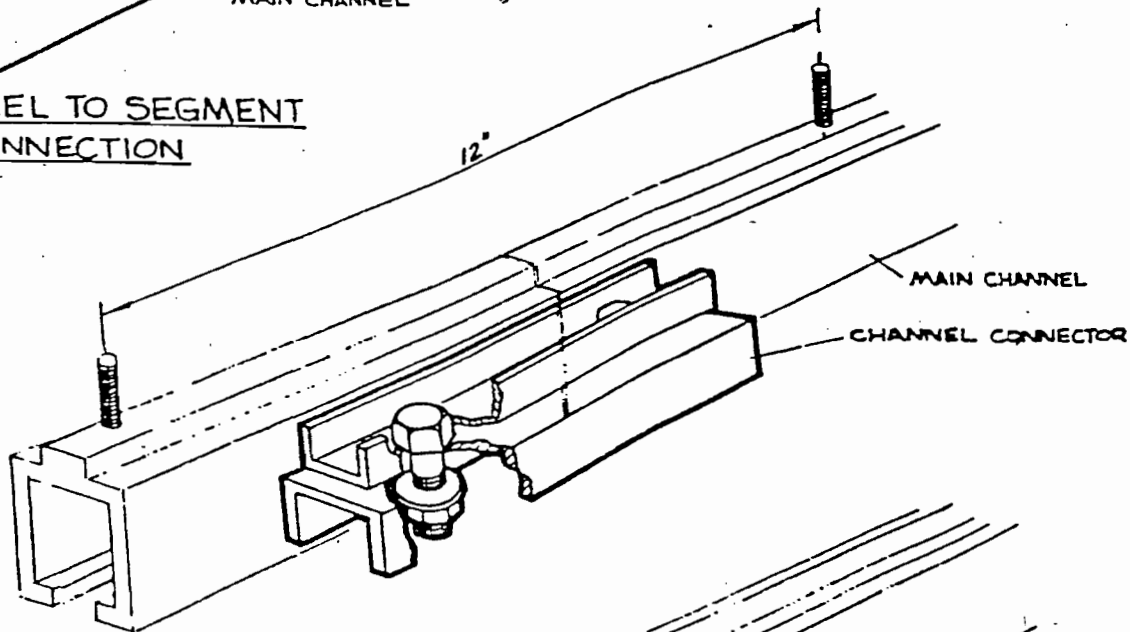
VG.NO. MVS 101-1276



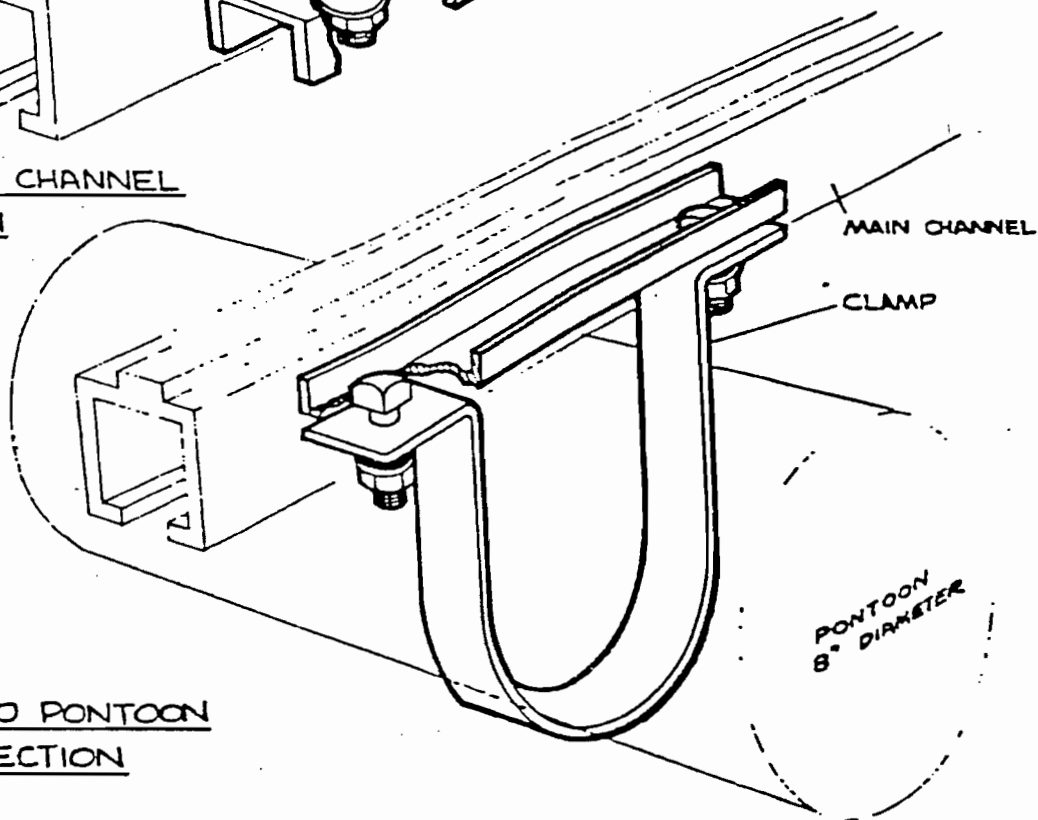
- |   |                                 |       |       |
|---|---------------------------------|-------|-------|
| ① | TANK MANHOLE                    |       |       |
| ② | TANK FILL-LINE                  |       |       |
| ③ | TANK SHELL                      |       |       |
| ④ | TANK FLOOR                      |       |       |
| ⑤ | TANK CONE ROOF                  |       |       |
| ⑥ | TANK ROOF SUPPORT COLUMN        |       |       |
| ⑦ | TANK ROOF RAFTER                |       |       |
| ⑧ | TANK GAUGE HATCH                |       |       |
| ⑨ | TANK AUTOMATIC TANK GAUGE       |       |       |
| ⑩ | FILL-LINE DIFFUSER              | P. 16 |       |
| ⑪ | MUSHROOM VENT                   | P. 15 |       |
| ⑫ | AIR SCOOP VENT                  | P. 14 |       |
| ⑬ | OVERFLOW VENT                   | P. 14 |       |
| ⑭ | PERIPHERAL WIPER SEAL           | P. 7  |       |
| ⑮ | TOP ADJUSTABLE LEGS             |       | P. 3  |
| ⑯ | FLOATWELL ASSEMBLY              |       | P. 9  |
| ⑰ | ANTI-ROTATION CABLE (2)         |       | P. 17 |
| ⑱ | HATCHWAY PRESSURE/VACUUM RELIEF |       | P. 6  |
| ⑲ | ANTI-STATIC CABLE (4)           |       | P. 2  |
| ⑳ | COLUMN SEAL ASSEMBLY            |       | P. 8  |
| ㉑ | SAMPLING FUNNEL ASSEMBLY        |       | P. 10 |
| ㉒ | CHANNELS                        |       | P. 4  |
| ㉓ | PERIMETER SEGMENTS              |       | P. 3  |
| ㉔ | DRAIN PIPE                      |       | P. 6  |
| ㉕ | FLOATATION PONTOONS             |       | P. 3  |
| ㉖ | BLEEDER VENT ASSEMBLY           |       | P. 11 |
| ㉗ | ROOF MANWAY                     |       | P. 18 |



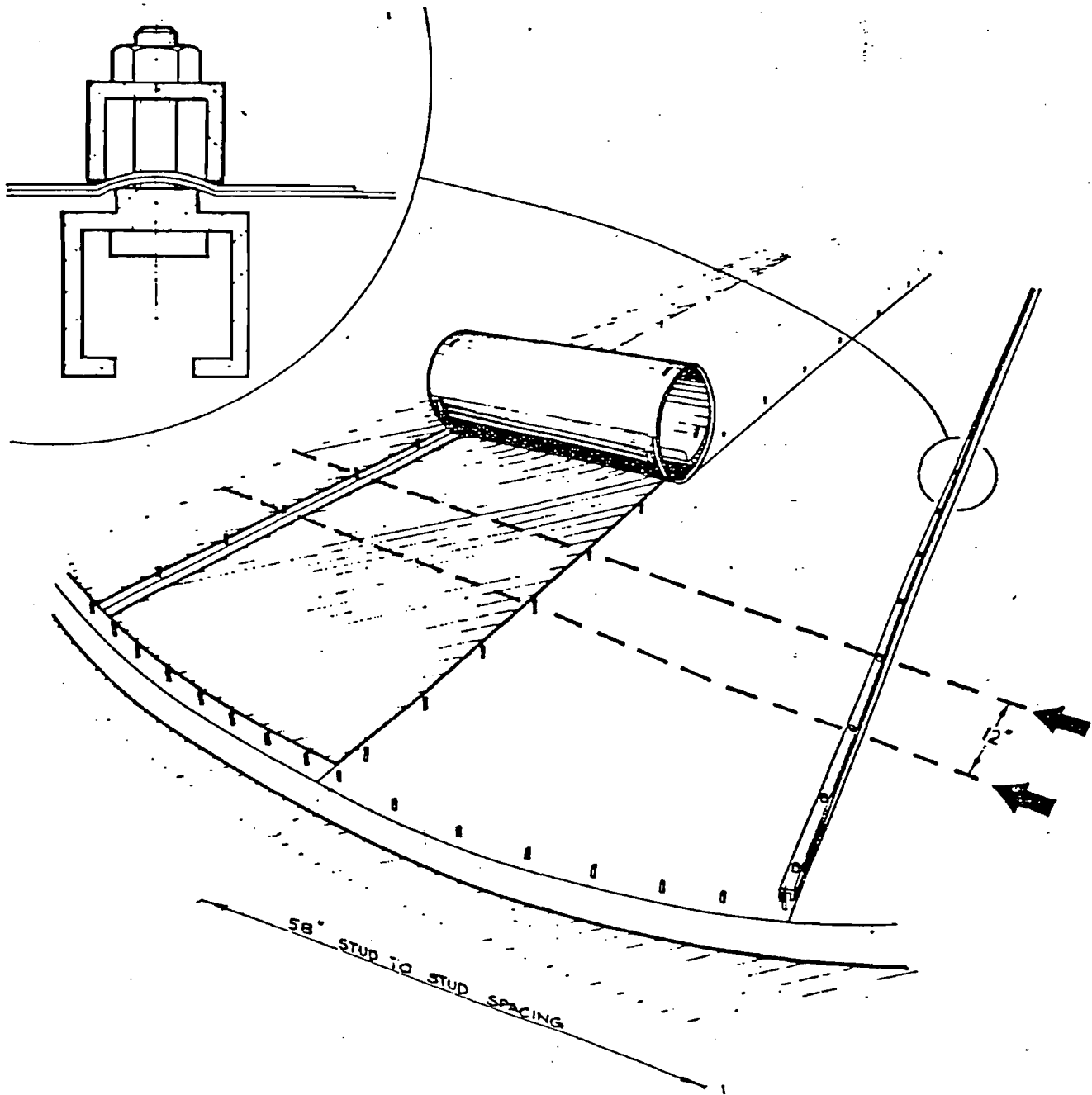
CHANNEL TO SEGMENT CONNECTION



CHANNEL TO CHANNEL CONNECTION



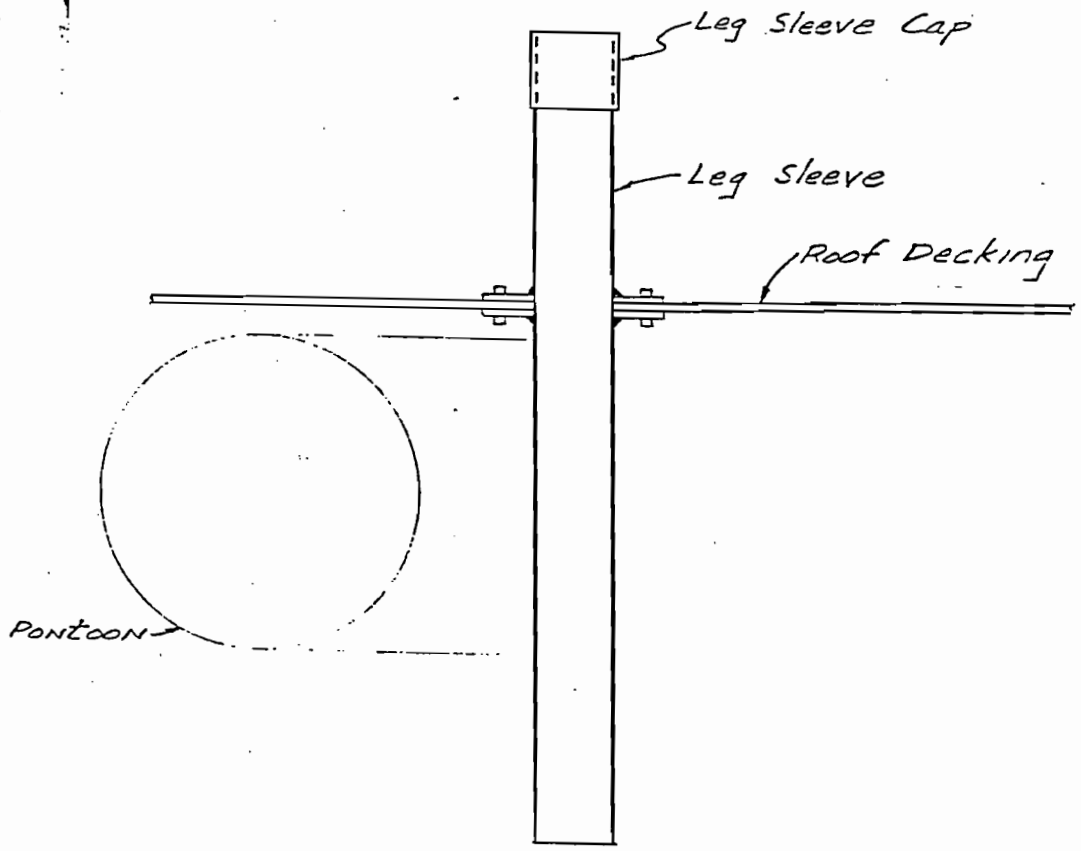
CHANNEL TO PONTOON CONNECTION



CENTRING OF CHANNELS (58") AND ACCURATE BOLT ALIGNMENT (12") ACROSS ENTIRE SURFACE OF DECK IS MOST IMPORTANT TO PERMIT QUICK INSTALLATION OF THE SHEETING

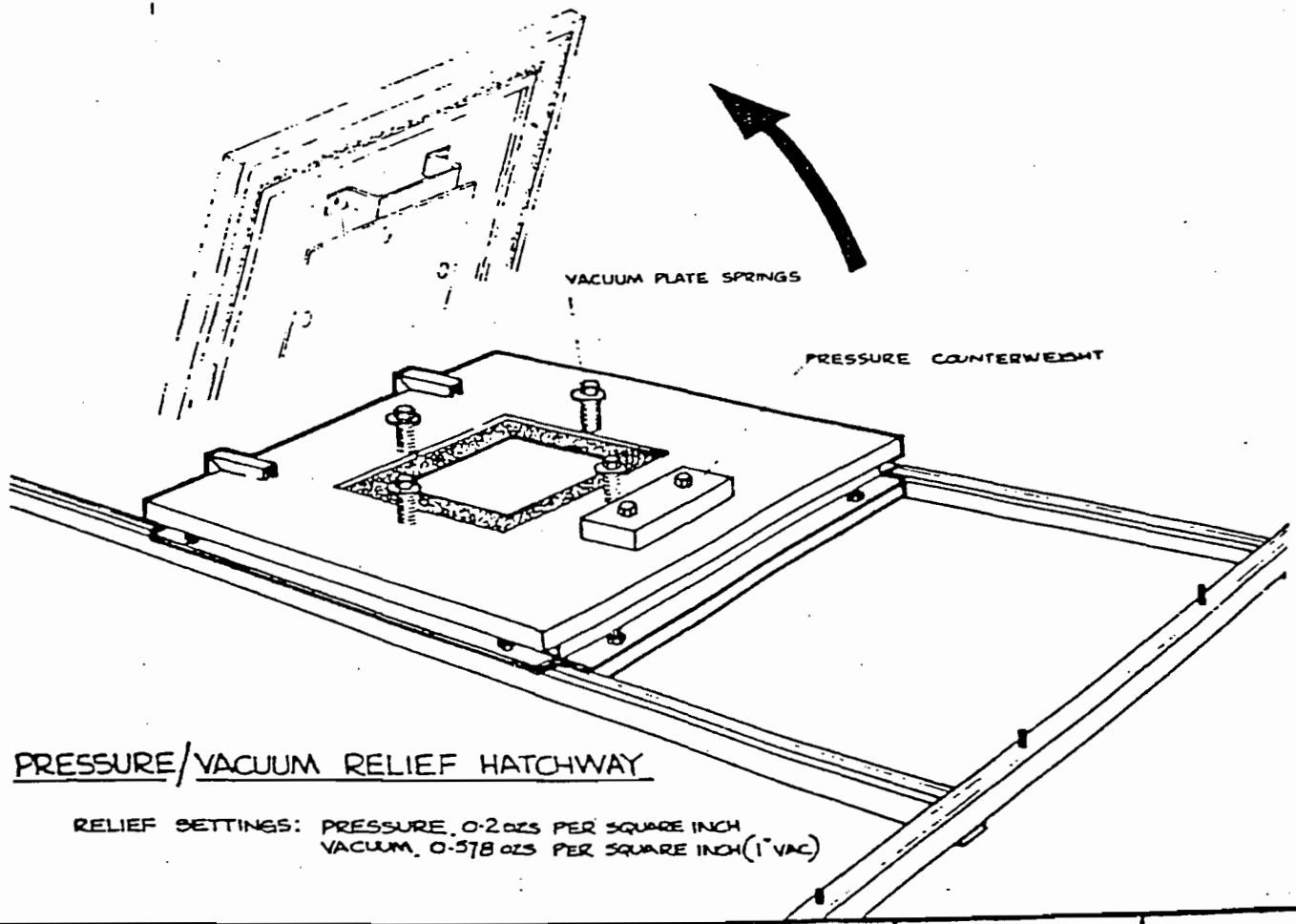
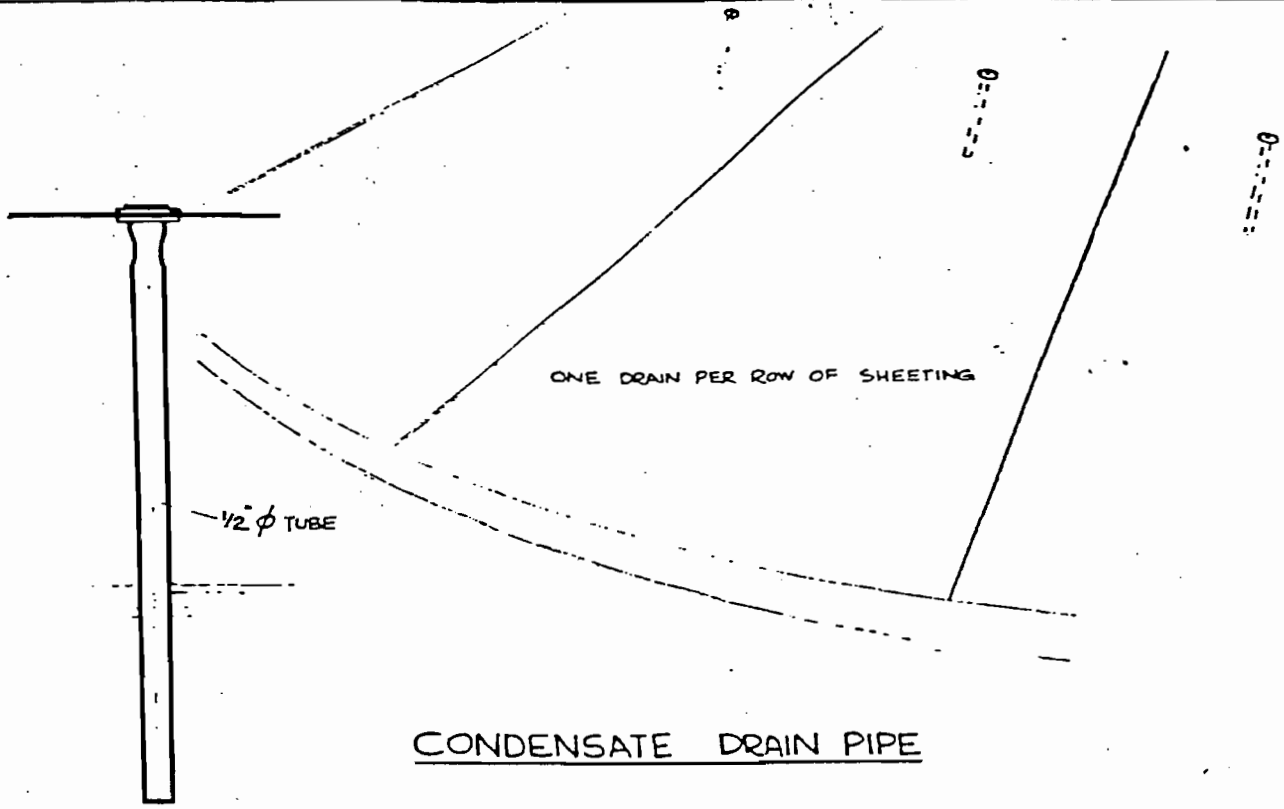
## SHEETING & CHANNELS

22 SHEETS 100 SHEETS 5 SQUARE  
27 SHEETS 200 SHEETS 5 SQUARE  
NATIONAL

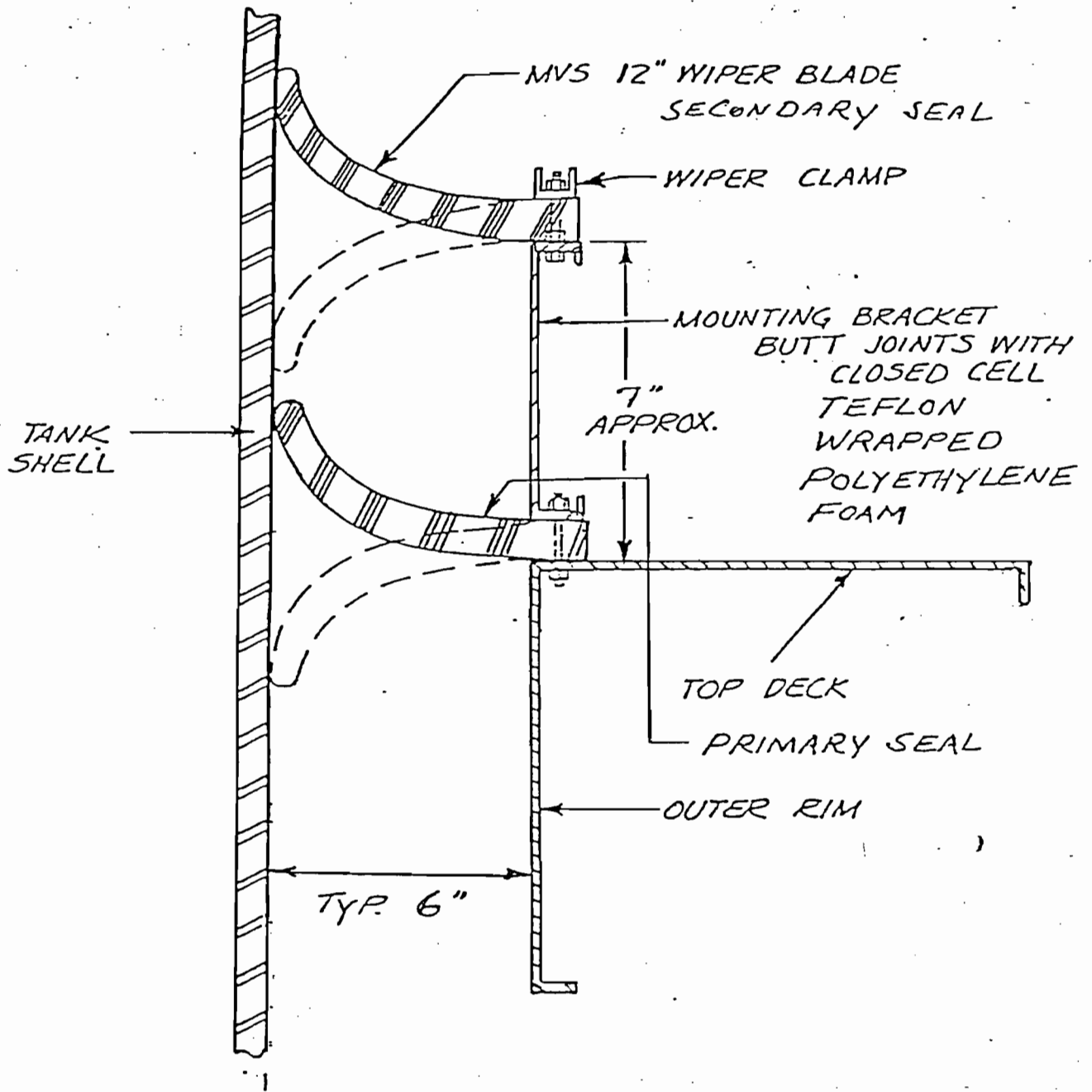


ROOF LEG SUPPORT

4/18/88  
DOT



# MAYFLOWER SECONDARY RIM SEAL

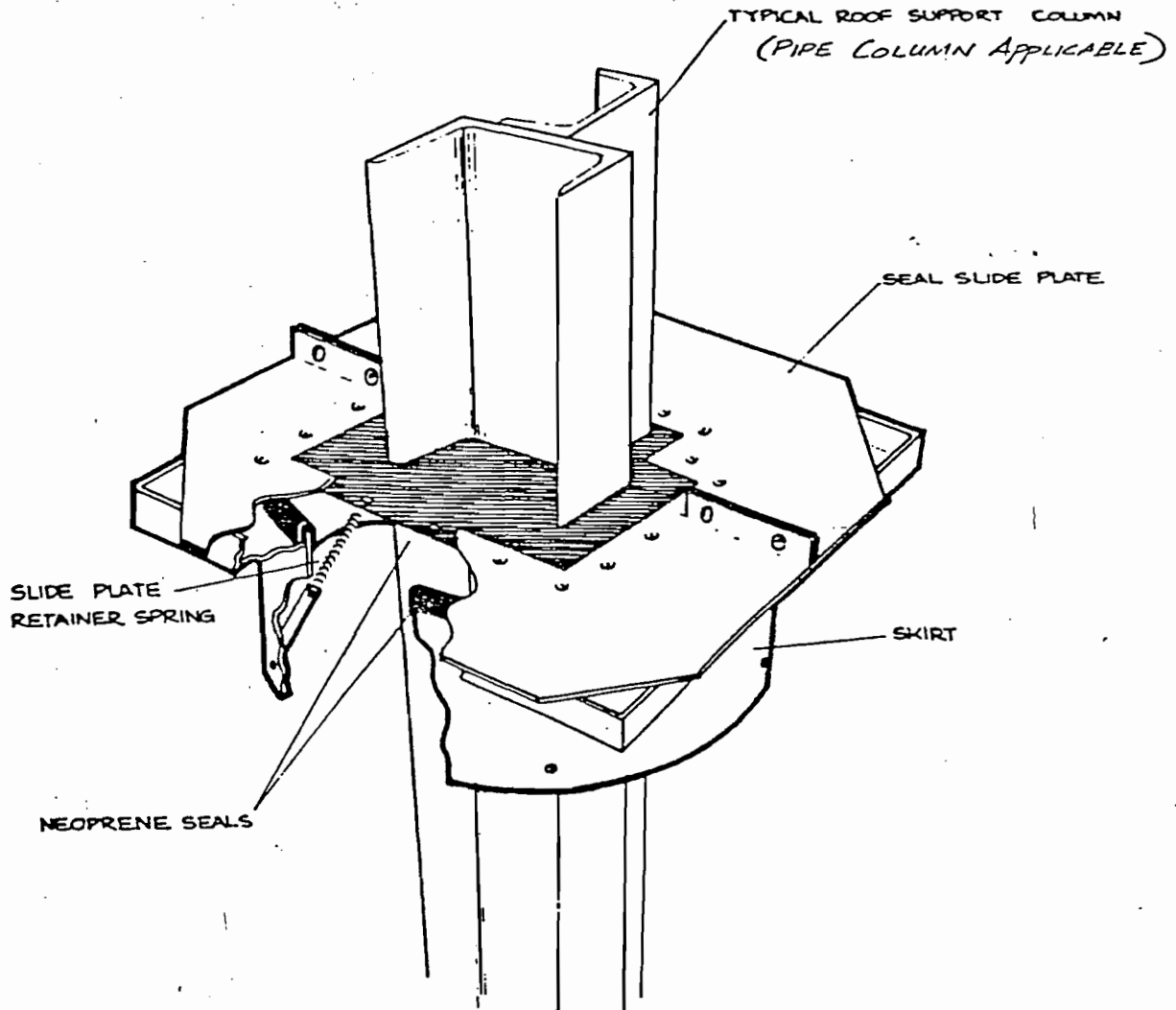


MAYFLOWER VAPOR SEAL CORP.

DATE  
6/22/81

Dwg. No.  
5942

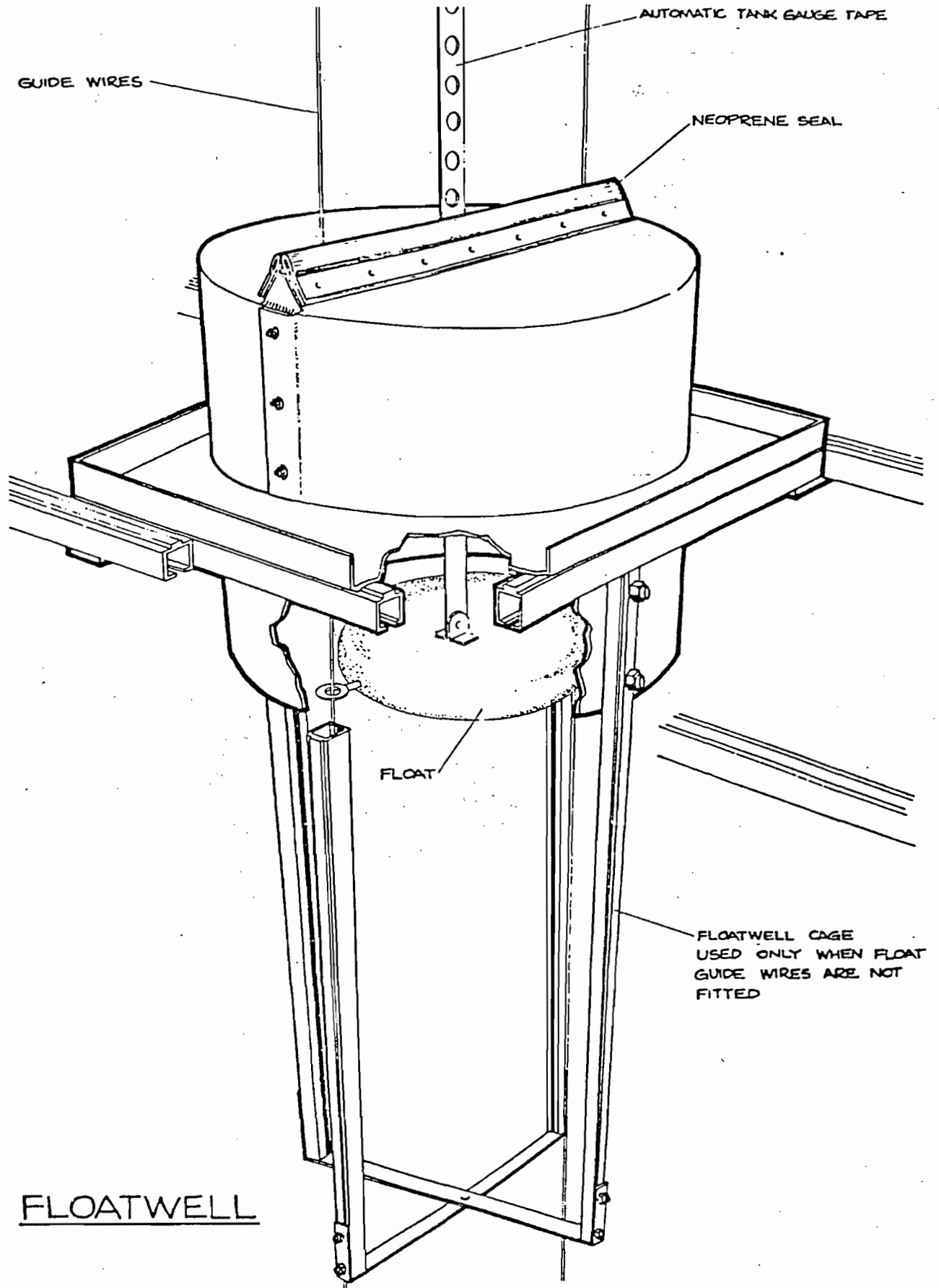


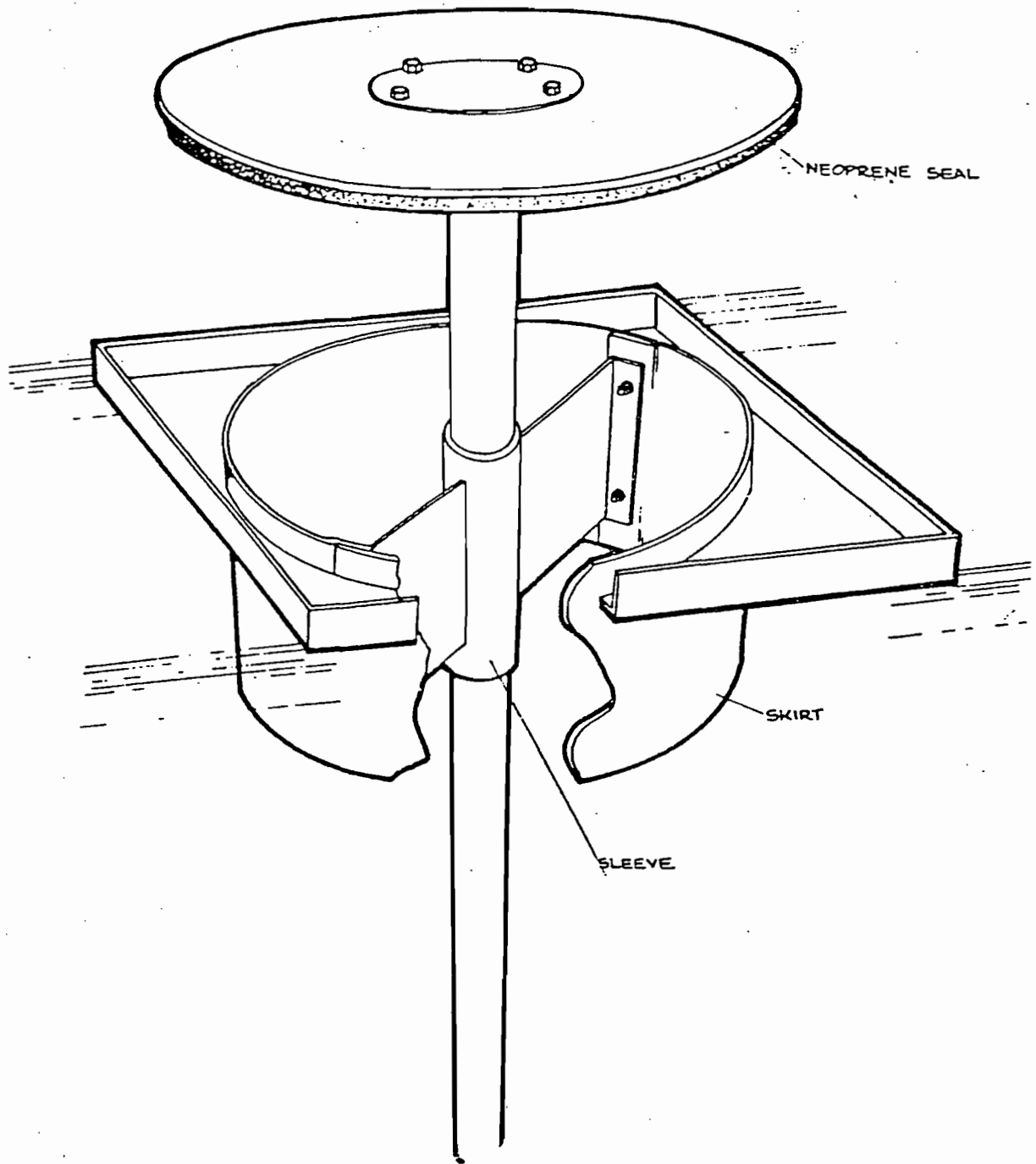


THE NOMINAL COLUMN SIZE IS THE MAXIMUM CROSS SECTION DIMENSION OF THE COLUMN CONFIGURATION, THE SKIRT DIAMETER BEING 12" GREATER.

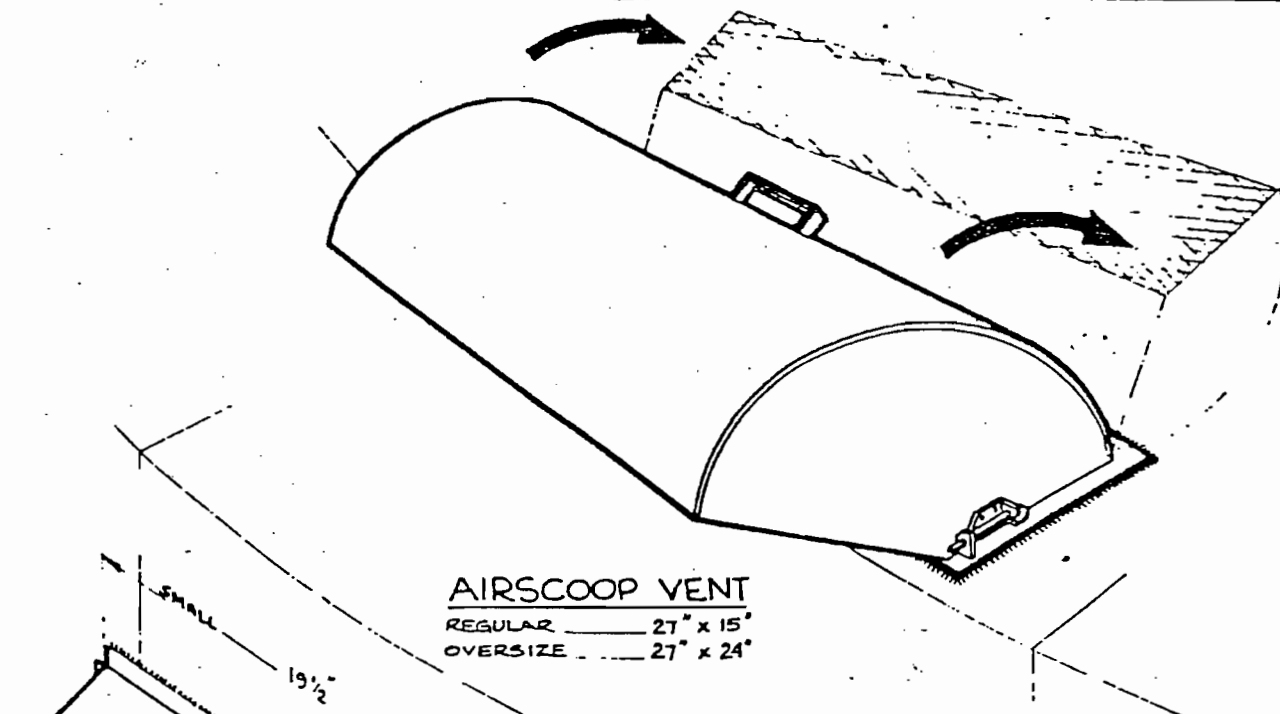
COLUMN SEAL NUMBER	SKIRT SIZE	NOMINAL COLUMN SIZE
CS - 001	20" (001)	8" Section
CS - 002	25" (006)	13" "
CS - 003	28" (009)	16" "
CS - 004	31" (012)	19" "

COLUMN SEAL



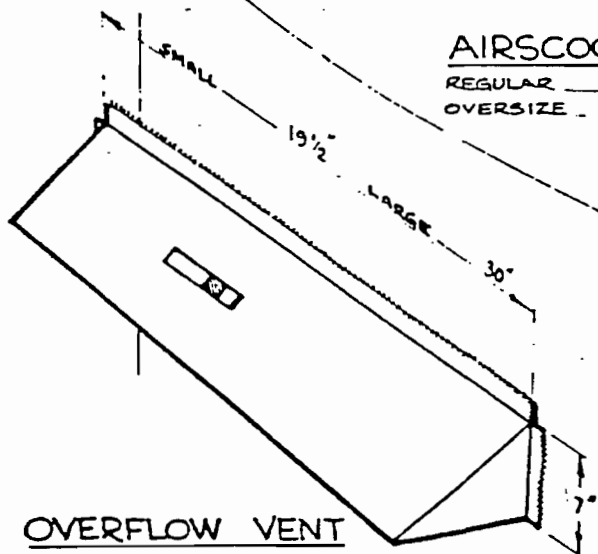


BLEEDER VENT

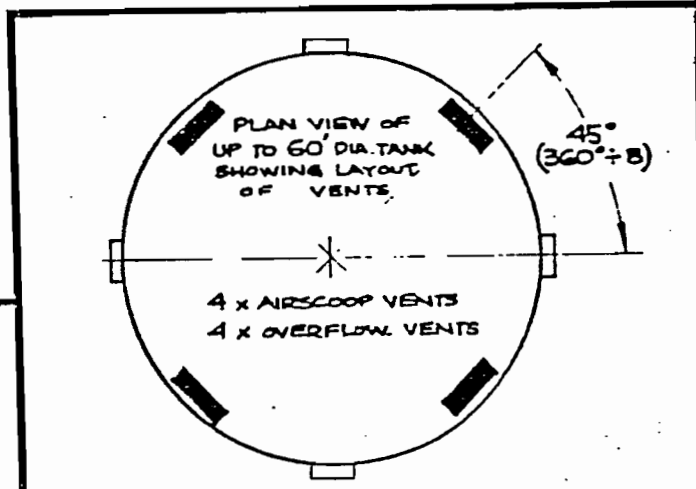


**AIRSCOOP VENT**

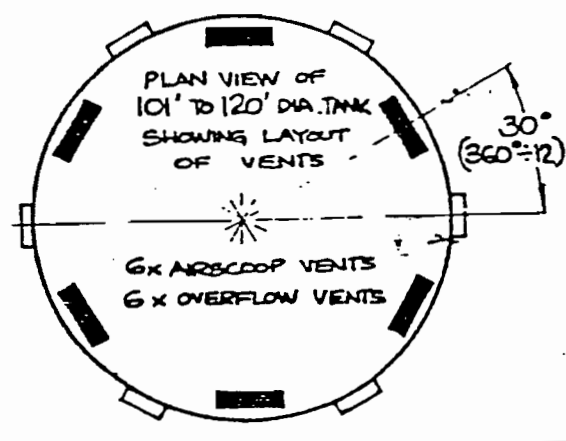
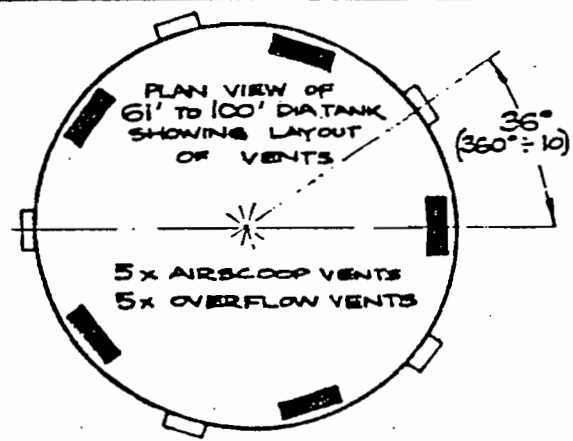
REGULAR — 27" x 15"  
OVERSIZE — 27" x 24"

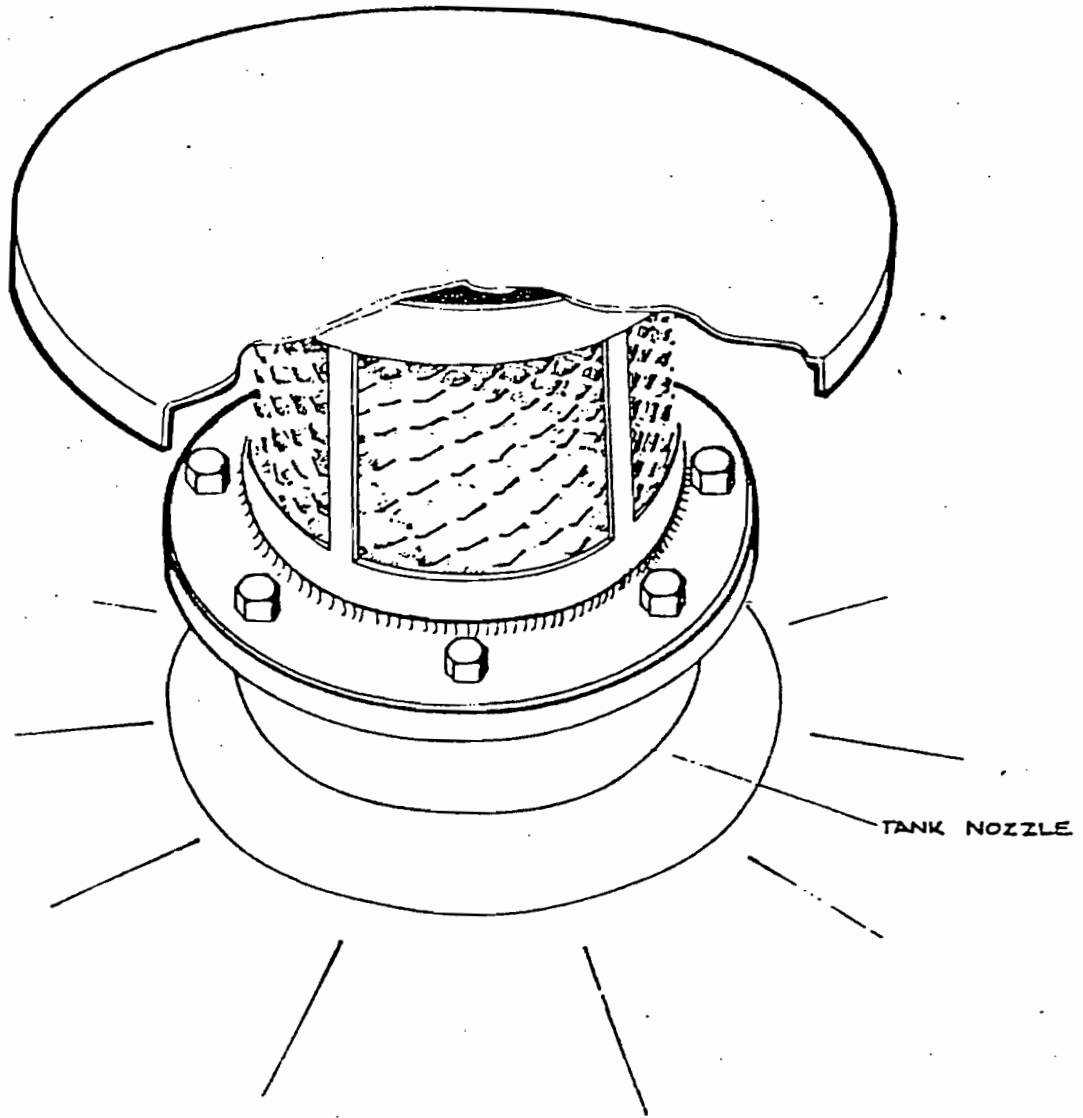


**OVERFLOW VENT**



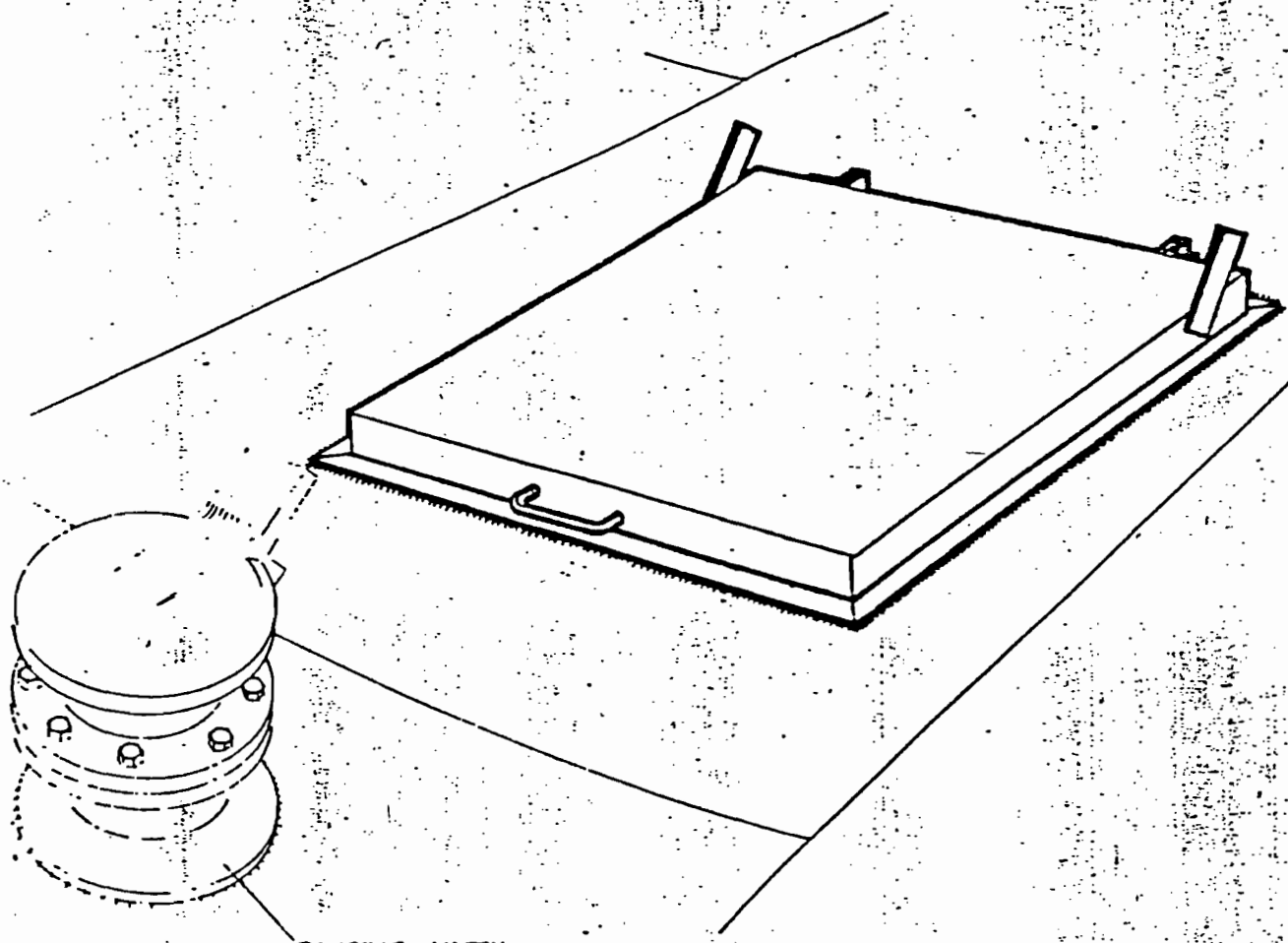
USE ONE OVERSIZE AIRSCOOP VENT  
ON EACH TANK FOR PERSONNEL  
ACCESS.  
USE SMALL OVERFLOW VENTS ON TANK  
DIAMETERS UP TO 50' AND LARGE  
OVERFLOW VENTS THEREAFTER.





MUSHROOM VENT NUMBER	NOMINAL PIPE BORE
MV - 001	6" (ASA or BS)
MV - 002	8" " "
MV - 003	10" " "
MV - 004	12" " "
MV - 005	18" " "
MV - 006	24" " "
MV - 007	36" " "

TANK ROOF MUSHROOM VENT



GAUSING HATCH

ROOF MANWAY