

P 407 852 705
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

Sender	Tom Rigg	
Recipient No.	GATX Term. Corp.	
P 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	PE 29-187289 5/22/91 190380	

● **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.

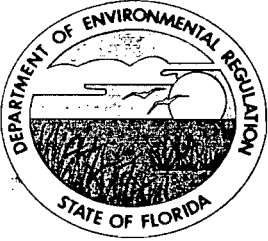
1. ☐ Show to whom delivered, date, and addressee's address. (Extra charge)
 2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to: Mr. Tom Rigg Mgr. of Fla. Operations GATX Terminals Operation 100 GATX Dr. Tampa, FL 33605 C1	4. Article Number P 407 852 705 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 <i>Pat Clark</i>	
7. Date of Delivery 5-24-91	

PS Form 3811, Apr. 1989

☆ U.S.G.P.O. 1989-238-815

DOMESTIC RETURN RECEIPT



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 PERMITS

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

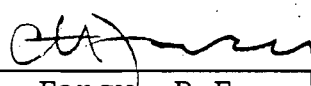
May 22, 1991

Enclosed are construction permits AC 29-187289 for petroleum storage tank No. 80-6/surge tank and AC 29-190380 for petroleum storage tank No. 80-7 at the GATX terminal located in Tampa, Hillsborough County, Florida. These permits are issued pursuant to Section 403, Florida Statutes.

Any party to these permits has the right to seek judicial review of the permits 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:

Bill Thomas, SW District
Jerry Campbell, EPCHC
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 buisness on 5-22-91.

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.

Kym Jaber
Clerk

5-22-91
Date

Final Determination

GATX Terminals Corporation
Tampa, Hillsborough County, Florida

Petroleum Storage Tanks
APIS: 40 HIL 29008508

<u>Tank</u>	<u>Permit No.</u>
80-6/Surge Tank	AC 29-187289
80-7	AC 29-190380

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

May 21, 1991

Final Determination

The Technical Evaluation and Preliminary Determination for the permits to construct two 80,000 barrel gasoline storage tanks at GATX Terminals Corporation in Tampa, Hillsborough County, Florida, was distributed on May 5, 1991. The Notice of Intent to Issue was published in The Tampa Tribune on April 18, 1991. Copies of the evaluation were available for public inspection at the Environmental Protection Commission of Hillsborough County in Tampa and the Department's offices in Tampa and Tallahassee.

Comments were submitted on the vapor pressure restriction listed in Specific Condition No. 1. This vapor pressure is intended to be an annual average. Specific Condition No. 1 was reworded to clarify this limit. The final action of the Department will be to issue construction permits AC 29-187289 and 29-190380 as proposed in the Technical Evaluation and Preliminary Determination, except for the change noted above.



Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

PERMITTEE:

GATX Terminals Corporation
100 GATX Drive
Tampa, Florida 33605

Permit Number: AC 29-187289

Expiration Date: Nov. 1, 1995

County: Orange

Latitude/Longitude: 27°55'01"
82°26'80"

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:

For the installation of an 80,000 barrel petroleum storage tank (112 ft. diameter x 48 ft. high) equipped with an internal floating roof having double wiper seals, and an emergency relief system (surge tank) at the GATX terminal (SIC 5171) located at 100 GATX Drive, Tampa, Florida. The UTM coordinates of this facility are Zone 17, 358.0 km E and 3088.7 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 October 2, 1990.
2. DER letter dated October 4, 1990.
3. GATX letter dated December 14, 1990.
4. GATX letter dated January 3, 1991.
5. GATX letter dated February 22, 1991.



Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

PERMITTEE:
GATX Terminals Corporation
100 GATX Drive
Tampa, Florida 33605

Permit Number: AC 29-190380
Expiration Date: Nov. 1, 1995
County: Orange
Latitude/Longitude: 27°55'01"
82°26'80"
Project: Petroleum Storage Tank
No. 80-7

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:

For the installation of an 80,000 barrel petroleum storage tank (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 100 GATX Drive, Tampa, Florida. The UTM coordinates of this facility are Zone 17, 358.0 km E and 3088.7 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.

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1. Application received October 2, 1990.
2. DER letter dated October 4, 1990.
3. GATX letter dated December 14, 1990.
4. GATX letter dated January 3, 1991.
5. GATX letter dated February 22, 1991.

PERMITTEE:
GATX Terminals Corporation

Permit Nos. AC 29-187289
AC 29-190380
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:
GATX Terminals Corporation

Permit Nos. AC 29-187289
AC 29-190380
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:
GATX Terminals Corporation

Permit Nos. AC 29-187289
AC 29-190380
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:
GATX Terminals Corporation

Permit Nos. AC 29-187289
AC 29-190380
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. The storage tank's throughput shall not exceed 1,860,000 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 quantity of volatile organic compounds handled in this tank.

2. The storage 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. The storage tank may be in service continuously, 8,760 hours/year.

PERMITTEE:
GATX Terminals Corporation

Permit Nos. AC 29-187289
AC 29-190380
Expiration Date: November 1, 1995

SPECIFIC CONDITIONS:

4. The storage 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. The tanks (storage and surge) and associated equipment shall not discharge air pollutants which cause or contribute to an objectionable odor (F.A.C. Rule 17-2.620).

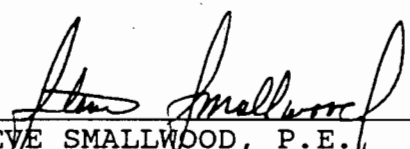
6. Volatile organic compounds (VOC) emissions from each storage tank, as determined by the procedures described in AP-42, Compilation of Air Pollutant Emission Factors, Section 4.3, shall not exceed 9.1 TPY. The VOC emissions from the emergency relief system shall not exceed 0.3 TPY. If the parameters that the estimated emissions are based on change, the permittee shall recalculate the emissions from the tanks and submit the data to the Environmental Protection Commission of Hillsborough County.

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 Environmental Protection Commission of Hillsborough County 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 21st day
of May, 1991

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


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

Attachments Available Upon Request



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 *CF*
DATE: May 21, 1991
SUBJ: Approval of Construction Permits AC 29-187289 & 29-190380
GATX Terminals Corporation

Attached for your approval and signature are permits prepared by the Bureau of Air Regulation for the above mentioned company to construct two 80,000 barrel gasoline storage tanks.

Comments were received during the public notice period.

I recommend your approval and signature.

CF/WH/plm

Attachments

*@HF-
Thank you.
Well written
some
the
previous one*

He
5-21-91

Check Sheet

Company Name: GATX Terminals

Cross References:

Permit Number: AC 29-187289

☒ AC 29-190380

PSD Number: ☐

Permit Engineer: ☐

Application:

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

Intent:

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

Correspondence with:

- ☐ EPA
- ☐ Park Services
- ☐ Other
- ☐ Proof of Publication
- ☐ Petitions - (Related to extensions, hearings, etc.)
- ☐ Waiver of Department Action
- ☒ Other

Final Determination:

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

Post Permit Correspondence:

- ☒ Extensions/Amendments/Modifications
- ☐ Other

Page 1 of 6 AC 29-190380 OK
only have correct 190380

COMMISSION
PHYLLIS BUSANSKY
JOE CHILLURA
PAM IORIO
SYLVIA KIMBELL
JAN KAMINIS PLATT
JAMES D. SELVEY
ED TURANCHIK

FAX (813) 272-5157



ROGER P. STEWART
EXECUTIVE DIRECTOR
ADMINISTRATIVE OFFICES
AND
WATER MANAGEMENT DIVISION
1900 - 9TH AVENUE
TAMPA, FLORIDA 33605
TELEPHONE (813) 272-5960
AIR MANAGEMENT DIVISION
TELEPHONE (813) 272-5530
WASTE MANAGEMENT DIVISION
TELEPHONE (813) 272-5788
ECOSYSTEMS MANAGEMENT DIVISION
TELEPHONE (813) 272-7104

December 17, 1991

CERTIFIED MAIL # P 648 519 640

Mr. David R. Schultz
Vice President - General Manager
GATX
100 GATX Drive
Tampa, FL 33605

Re: Hillsborough County - AP
DER File No. AC29-198597

Dear Mr. Schultz:

Our letter dated September 3, 1991, notified you the above referenced application is incomplete (see attached copy).

When a permit application is incomplete, all processing of the application is suspended. Pursuant to Section 120.60, Florida Statutes, the Department may deny a permit application if the applicant, after receiving timely notice, fails to correct errors, omission, or supply additional information within a reasonable period of time.

It has been 105 days since you were notified of the need for additional information. Therefore, within 15 days of receipt of this letter please advise us if:


- A. You wish to withdraw your application.
- B. You need additional time to obtain the required information and approximately the date we should receive the information.
- C. You have questions about our request and wish to discuss your application with us.

If we do not receive one of the responses listed above or the necessary information to complete the application with the required time requested, the Department and the Environmental Protection Commission of Hillsborough County will initiate action to deny the application.

Mr. David R. Schultz .
December 17, 1991
Page 2

Your cooperation regarding this matter will be appreciated.

Sincerely,

A handwritten signature in black ink, appearing to read "Darrel Graziani". The signature is fluid and cursive, with a prominent "D" and "G".

Darrel Graziani
Chief, Air Permitting Section

bm

Attachment

cc: Stanford L. Strehler, P.E.
Willard Hanks, FDER-Tallahassee

COMMISSION
PHYLLIS BUSANSKY
JOE CHILLURA
PAM IORIO
SYLVIA KIMBELL
JAN KAMINIS PLATT
JAMES D. SELVEY
ED TURANCHIK

FAX (813) 272-5157



ROGER P. STEWART
EXECUTIVE DIRECTOR
ADMINISTRATIVE OFFICES
AND
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TELEPHONE (813) 272-7104

RECEIVED
DEC 20 1991
Division of Air
Resources Management

December 17, 1991

CERTIFIED MAIL # P 648 519 640

Mr. David R. Schultz
Vice President - General Manager
GATX
100 GATX Drive
Tampa, FL 33605

Re: Hillsborough County - AP
DER File No. AC29-197818

Dear Mr. Schultz:

Our letter dated September 3, 1991, notified you the above referenced application is incomplete (see attached copy).

When a permit application is incomplete, all processing of the application is suspended. Pursuant to Section 120.60, Florida Statutes, the Department may deny a permit application if the applicant, after receiving timely notice, fails to correct errors, omission, or supply additional information within a reasonable period of time.

It has been 105 days since you were notified of the need for additional information. Therefore, within 15 days of receipt of this letter please advise us if:

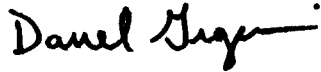
- A. You wish to withdraw your application.
- B. You need additional time to obtain the required information and approximately the date we should receive the information.
- C. You have questions about our request and wish to discuss your application with us.

If we do not receive one of the responses listed above or the necessary information to complete the application with the required time requested, the Department and the Environmental Protection Commission of Hillsborough County will initiate action to deny the application.

Mr. David R. Schultz
December 17, 1991
Page 2

Your cooperation regarding this matter will be appreciated.

Sincerely,



Darrel Graziani
Chief, Air Permitting Section

bm

Attachment

cc: Stanford L. Strehler, P.E.
➔ Willard Hanks, FDER-Tallahassee

COMMISSION
PHYLLIS BUSANSKY
JOE CHILLUNA
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JAN KAMINS PLATT
JAMES D. SELVEY
ED TORANCNIK

FAX (813) 272-5157



ROGER P. STEWART
EXECUTIVE DIRECTOR
ADMINISTRATIVE OFFICES
AND
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1900 - 9TH AVENUE
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TELEPHONE (813) 272-5530
WASTE MANAGEMENT DIVISION
TELEPHONE (813) 272-5788
ECOSYSTEMS MANAGEMENT DIVISION
TELEPHONE (813) 272-7104

September 3, 1991

CERTIFIED MAIL # P 648 747 580

Mr. David R. Schultz
Vice President - General Manager
Florida Business Unit
GATX Terminals Corporation
100 GATX Drive
Tampa, FL 33605

Re: FDER File Nos. AC29-197823, AC29-198596, AC29-197818 and AC29-198597

Dear Mr. Schultz:

Please be advised that I have reviewed your letter dated August 15, 1991 and have spoken with Jim McDonald of the FDER. In light of the possibility that you may elect to go forward with New Source Review, the Department has decided to call the possibility a substantial modification to the above permits (Rule 17-4.050(6), F.A.C.). At this time and by copy of this letter the permitting time clock for the above files has been set to day zero. Processing of the applications will restart upon receipt of your decision.

Should you object to this approach please contact me as soon as possible at 272-5530.

Sincerely,

Darrel Graziani
Chief, Air Permitting Section

ph

cc: Jim McDonald, FDER-S.W. District

COMMISSION
PHYLLIS BUSANSKY
JOE CHILLURA
PAM JONHO
SYLVIA KIMBELL
JAN KAMINIS PLATT
JAMES D. SELVEY
ED TUNWICK

FAX (813) 272-5157



ROGER P. STEWART
EXECUTIVE DIRECTOR
MAIN OFFICE
1900 - 8TH AVENUE
TAMPA, FLORIDA 33605
TELEPHONE (813) 272-5960

AIR PROGRAM
TELEPHONE (813) 272-6500

WASTE MANAGEMENT PROGRAM
TELEPHONE (813) 272-5788

ECOSYSTEMS MANAGEMENT DIVISION
TELEPHONE (813) 272-7104

ENVIRONMENTAL PROTECTION COMMISSION
of Hillsborough County

FAX Transmittal Sheet

DATE: 8-19-91

TO: Bruce Mitchell

FAX Phone: 904 922 6979 Voice Phone: Sun Com 278-1344

TOTAL NUMBER OF PAGES INCLUDING THIS COVER PAGE: 2

EPC FAX Transmission Line: (813) 272-7144 For retransmission or any FAX problems, call: (813) 272-7104

FROM: Darrel Graziani (circle applicable phone number and organization below)

(813) 272-5530

Air Division

- Special Programs

- Air Engineering

(813) 272-5788

Waste Management

- UST Clean-Up

- Solid/Hazardous Waste

- UST Compliance

(813) 272-7104

Ecosystems Management

- Environmental Engineering

- Environmental Assessment

- Compliance & Enforcement

SPECIAL INSTRUCTIONS:

GATX Data for review by Willard and
yourself. Note: all the new tanks and increases
are part of an DRI.

GATX TERMINALS CORPORATION

TAMPA TERMINAL

NEDS 0085

NEW SOURCE REVIEW DATA - >300,000 BARRELS OF STORAGE CAPACITY

SOURCE	2-YR ACTUALS	POTENTIAL	FUTURE	INCREASE	COMMENTS
LOADING RACKS	10.54	47.46	84.77	74.23	POTENTIAL - 35MG/L ACTUAL - 98% CONTROLS (FLARE
TANK 55-2	1.45	0.782	0.91	-0.54	EFR TANK - RACT REGULATION (THRU-PUT INCREASE)
TANK 80-1	1.06	0.952	1.09	0.03	EFR TANK - RACT REGULATION (THRU-PUT INCREASE)
TANK 80-2	0	1.8	0.151	0.151	IFR TANK - NSPS KB (GAS TO DIESEL)
TANK 80-3	0	1.8	8.49	8.49	IFR TANK - NSPS KB (THRU-PUT INCREASE)
TANK 80-4	0	1.8	8.49	8.49	IFR TANK - NSPS KB
TANK 80-5	0	8.96	8.96	8.96	IFR TANK - NSPS KB
TANK 80-6	0	9.1	9.1	9.1	IFR TANK - NSPS KB
TANK 80-7	0	9.1	9.1	9.1	IFR TANK - NSPS KB
TANK 40-1	2.2	1.5	0.181	-2.019	IFR TANK - NSPS KB (GAS TO DIESEL)
TANK 70-1	1.92	2.41	2.6	-0.68	CR TANK - 620 REGULATION
TANK 70-2	1.69	2.13	2.6	-0.91	CR TANK - 620 REGULATION
TANK 42-1	0.9	1.47	1.65	0.75	CR TANK - 620 REGULATION
TANK 42-2	0.89	1.47	1.65	0.76	CR TANK - 620 REGULATION
TANK 42-3	0.94	1.47	1.65	0.71	CR TANK - 620 REGULATION
TANK 42-4	0.96	1.47	1.65	0.69	CR TANK - 620 REGULATION
TOTALS	22.55	93.674	143.042	120.492	ACTUAL EMISSIONS - 1989 & 1990, ZERO INDICATES A
NO MODIFICATION					NEW TANK(< 2yrs OLD)
TANK 120-1	3.96	8.04	8.04	4.08	IFR TANK - RACT REGULATION (NO FED'LY ENF CAP)
TANK 120-2	4.01	8.04	8.04	4.03	IFR TANK - RACT REGULATION (NO FED'LY ENF CAP)
TANK 55-1	0.86	2	2	1.14	EFR TANK - NSPS KA (24.1 TPY-AC, 2.0 TPY-AO)
TANK 10-3	0.12	0.2	0.2	0.08	CR TANK - 620 REGULATION
TANK 10-4	0	0.2	0.2	0.2	CR TANK - 620 REGULATION
TANK 301	1.48	1.7	1.7	0.22	CR TANK - 620 REGULATION (NO FED'LY ENF CAP)
TANK 401	2.47	3.04	3.04	0.57	CR TANK - 620 REGULATION (NO FED'LY ENF CAP)
TANK 15-1	0.08	0.2	0.2	0.12	CR TANK - 620 REGULATION
TANK 350	0.25	0.35	0.35	0.1	CR TANK - 620 REGULATION
TANK 351	0.33	0.45	0.45	0.12	CR TANK - 620 REGULATION
TANK A1	0	0.07	0.07	0.07	CR TANK - 620 REGULATION
TOTALS	13.56	24.29	24.29	10.73	NO REQUEST TO CHANGE CURRENT LEVELS FOR THESE
					TANKS.
22-TANKS	2.73	1.9	1.9	-0.83	CR TANK - 620 REGULATION (NO FED'LY ENF CAP)
TOTAL	38.84	119.864	169.232	130.392	

Bruce, this is the GATX data I said I would send you. Potential emissions (allowable) are based on the current operating and construction permits at the facility. Just recently the facility's allowables were determined and placed into the operating permits. Increase reflects the differences between future allowables and current Actuals

Please give me a call after you review the data and discuss the facility with Willard Hanks

Darrel

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece next to the article number.

I also wish to receive the following services (for an extra fee):

- ☐ Addressee's Address
- ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Mr. Tom Rigg
Mgr. of Fla. Operations
GATX Terminals Corp.
100 GATX Dr.
Tampa, FL 33605

4a. Article Number

P 832 539 812

4b. Service Type

- ☐ Registered ☐ Insured
☒ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery

RECEIVED 7-19-91

5. Signature (Addressee)

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

6. Signature (Agent)

7/19/91
OFF. MGR.

PS Form 3811, October 1990

☆ U.S. GPO: 1990-273-861

DOMESTIC RETURN RECEIPT

P 832 539 812

Certified Mail Receipt

No Insurance Coverage Provided
Do not use for International Mail
(See Reverse)

Sent to		Tom Rigg	
Street & No.		GATX	
P.O., State & ZIP Code		Tampa, FL	
Postage		\$	
Certified Fee			
Special Delivery Fee			
Restricted Delivery Fee			
Return Receipt Showing to Whom & Date Delivered			
Return Receipt Showing to Whom, Date, & Address of Delivery			
TOTAL Postage & Fees		\$	
Postmark or Date		7-17-91	
		AC 29-187289	
		190380	

PS Form 3800, June 1990



Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

June 21, 1991

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

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

Dear Mr. Rigg:

Re: Amendment of Permits AC 29-187289 and 29-190380

The Department is in receipt of Caren I. Lennie's May 31 letter asking that the referenced permits be changed to show the correct county (Hillsborough County) and longitude (82°26'30") for these sources and that the surge tank be regulated as emergency equipment instead of a process vessel. These requests are acceptable. Corrected copies of the first page of both referenced permits are attached.

Specific Condition No. 6 is changed as follows:

FROM:

Volatile organic compounds (VOC) emissions from each storage tank, as determined by the procedures described in AP-42, Compilation of Air Pollutant Emission Factors, Section 4.3, shall not exceed 9.1 TPY. The VOC emissions from the emergency relief system shall not exceed 0.3 TPY. If the parameters that the estimated emissions are based on change, the permittee shall recalculate the emissions from the tanks and submit the data to the Environmental Protection Commission of Hillsborough County.

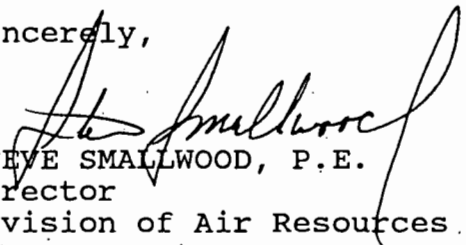
TO:

Volatile organic compounds (VOC) emissions from each storage tank, as determined by the procedures described in AP-42, Compilation of Air Pollutant Emission Factors, Section 4.3, shall not exceed 9.1 TPY. If the parameters that the estimated emissions are based on change, the permittee shall recalculate the emissions from the tanks and submit the data to the Environmental Protection Commission of Hillsborough County. The emergency relief system is subject to F.A.C. Rule 17-2.250(4).

Mr. Tom Rigg
Page 2 of 2

A copy of this letter must be filed with the referenced construction permits and shall become a part of those permits.

Sincerely,

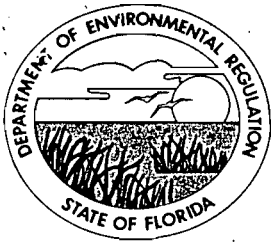


STEVE SMALLWOOD, P.E.
Director
Division of Air Resources
Management

SS/WH/plm

Attach: GATX letter dated May 31, 1991

c: Bill Thomas, SWD
Jerry Campbell, EPCHC



Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

PERMITTEE:
GATX Terminals Corporation
100 GATX Drive
Tampa, Florida 33605

Permit Number: AC 29-187289
Expiration Date: Nov. 1, 1995
County: Hillsborough
Latitude/Longitude: 27°55'01"
82°26'30"
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:

For the installation of an 80,000 barrel petroleum storage tank (112 ft. diameter x 48 ft. high) equipped with an internal floating roof having double wiper seals, and an emergency relief system (surge tank) at the GATX terminal (SIC 5171) located at 100 GATX Drive, Tampa, Florida. The UTM coordinates of this facility are Zone 17, 358.0 km E and 3088.7 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 October 2, 1990.
2. DER letter dated October 4, 1990.
3. GATX letter dated December 14, 1990.
4. GATX letter dated January 3, 1991.
5. GATX letter dated February 22, 1991.



Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

PERMITTEE:
GATX Terminals Corporation
100 GATX Drive
Tampa, Florida 33605

Permit Number: AC 29-187380
Expiration Date: Nov. 1, 1995
County: Hillsborough
Latitude/Longitude: 27°55'01"
82°26'30"
Project: Petroleum Storage Tank
No. 80-~~6~~7

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:

For the installation of an 80,000 barrel petroleum storage tank (112 ft. diameter x 48 ft. high) equipped with an internal floating roof having double wiper seals, and an emergency relief system (surge tank) at the GATX terminal (SIC 5171) located at 100 GATX Drive, Tampa, Florida. The UTM coordinates of this facility are Zone 17, 358.0 km E and 3088.7 km N.

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4. GATX letter dated January 3, 1991.
5. GATX letter dated February 22, 1991.

GATX

GATX TERMINALS CORPORATION

100 GATX DRIVE
TAMPA, FL 33605
TWX: 810-876-0804
TELECOPIER: 813-247-4274
MAIN OFFICE: 813-248-2146

May 31, 1991

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

RECEIVED

JUL 07 1991

Division of Air
Resources Management

RE: GATX Terminals Corporation
Construction Permit Nos. AC29-187289, Tank No. 80-6 and Surge
Tank and AC29-190380, Tank No. 80-7

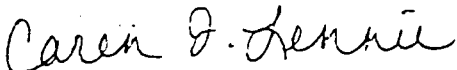
Dear Mr. Fancy:

GATX Terminals Corporation (GATX) is in receipt of construction permits AC29-187289 for tank no. 80-6/surge tank and AC29-190380 for tank no. 80-7.

Upon review of the aforementioned construction permits, GATX noted the following typographical errors on page 1 of 6 (both permits): the county listed is "Orange" rather than "Hillsborough" and the longitude listed as 82degrees26'80" should be 82degrees26'30". Specific Condition No. 6 (page 6 of 6) of FDER permit no. AC29-187289 for tank no. 80-6/surge tank states VOC emissions from the emergency relief system shall not exceed 0.3 TPY. GATX wishes to clarify the surge tank is exclusively for emergency situations only, therefore, emissions and/or throughput monitoring should not be necessary. GATX respectfully requests this clarification be incorporated into FDER permit no. AC29-187289.

Please contact me at (813) 248-2148 or 241-1139 should you have any questions or concerns.

Sincerely,
GATX TERMINALS CORPORATION



Caren I. Lennie
Environmental Coordinator

CIL:lc
cl-ac29

cc: Harry Kerns - Southwest District



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: ^{BA} Clair Fancy
DATE: June ¹⁹ 21, 1991
SUBJ: Amendment of Permits AC 29-187289 and 29-190380
GATX Terminals Corporation

Attached for your approval and signature is a letter that will amend the above referenced permits by correcting the county and longitude listed on the permit and noting that the surge tank is used in emergency situations only.

The request is not controversial.

I recommend your approval and signature.

CF/WH/plm

Attachment

OK / *[Signature]* 7-16-91



GATX TERMINALS CORPORATION

100 GATX DRIVE
TAMPA, FL 33605
TWX: 810-876-0804
TELECOPIER: 813-247-4274
MAIN OFFICE: 813-248-2148

May 31, 1991

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

RECEIVED

JUN 07 1991

Division of Air
Resources Management

RE: GATX Terminals Corporation
Construction Permit Nos. AC29-187289, Tank No. 80-6 and Surge
Tank and AC29-190380, Tank No. 80-7

Dear Mr. Fancy:

GATX Terminals Corporation (GATX) is in receipt of construction permits AC29-187289 for tank no. 80-6/surge tank and AC29-190380 for tank no. 80-7.

Upon review of the aforementioned construction permits, GATX noted the following typographical errors on page 1 of 6 (both permits): the county listed is "Orange" rather than "Hillsborough" and the longitude listed as 82degrees26'80" should be 82degrees26'30". Specific Condition No. 6 (page 6 of 6) of FDER permit no. AC29-187289 for tank no. 80-6/surge tank states VOC emissions from the emergency relief system shall not exceed 0.3 TPY. GATX wishes to clarify the surge tank is exclusively for emergency situations only, therefore, emissions and/or throughput monitoring should not be necessary. GATX respectfully requests this clarification be incorporated into FDER permit no. AC29-187289.

Please contact me at (813) 248-2148 or 241-1139 should you have any questions or concerns.

Sincerely,
GATX TERMINALS CORPORATION

Caren I. Lennie
Environmental Coordinator

CIL:lc
cl-ac29

cc: Harry Kerns - Southwest District

Willard Hanks } 6-7-91 HH
BA/CHF }



GATX TERMINALS CORPORATION

100 GATX DRIVE
TAMPA, FL 33605
TWX: 810-876-0804
TELECOPIER: 813-247-4274
MAIN OFFICE: 813-248-2148

June 5, 1991

Mr. Iwan Choronenko
Director
Air Management Division
Environmental Protection Commission of
Hillsborough County
1401 North 21st Street
Tampa, Florida 33605

Attention: Ms. Kay Strother

Re: GATX Terminals Corporation
Case No. 10206KLS085

RECEIVED

JUN 10 1991

Division of Air
Resources Management

Dear Mr. Choronenko:

GATX Terminals Corporation (GATX) received a Notice of Intent to Initiate Enforcement from the Environmental Protection Commission of Hillsborough County (EPC) on March 19, 1991, and met with Ms. Kay Strother and Mr. Darrel Graziani on April 15, 1991 to discuss the Notice and draft Consent Order.

Since that time GATX has had opportunity to consult with legal counsel and offers the following comments on the draft Consent Order:

1. No comment.
2. No comment.

GATX requested the February 6, 1991 meeting with EPC for the purpose of identifying discrepancies that were discovered in assumptions that were made in the permit application calculations. GATX strongly emphasizes that the discrepancies reported to EPC were not that the tanks were not built in accordance with the permitted design. EPC cites that the roof



Mr. Iwan Choronenko
June 5, 1991
Page 2

legs were not capped, there were leaks from the internal floating roof (IFR) deck seams, and sample wells were added, thereby causing specific violations. Roof legs have been capped in Tanks 40-1, 80-2, 80-3, and 80-4. GATX has provided revised permit application calculations reflecting the capped legs.

During construction sample wells were added to ensure proper operation of the tanks. The drawings submitted in support of GATX's permit application were typical IFR design drawings. The additional VOC emissions resulting from the presence of the sample wells in diesel storage Tanks 40-1 and 80-2 is 0.0001 tons per year per tank; and 0.06 tons per year per tank for Tanks 80-3 and 80-4.

All tanks were built with an aluminum internal floating roof manufactured by Mayflower Vapor Seal Corporation as designed and as approved by EPC/FDER. After the tanks were constructed and put into service, GATX proceeded with applying for operating permits. At that time, GATX discovered that the engineer prepared the construction permit applications assuming a zero deck seam loss when, in fact, a loss should be calculated. GATX then notified EPC of this error.



Mr. Iwan Choronenko
June 5, 1991
Page 3

The calculated emissions of Tanks 80-3 and 80-4, taking deck seam loss into consideration, do increase such that the total VOC emissions exceed the permitted emissions limit of 7.2 tons per year. This increase is not due to tank construction other than that which was permitted, but due to the original incorrect assumption of zero deck seam loss in the permit application.

The 1991 throughput in Tank 80-3 did not exceed its permitted limitations. Tank 80-3 became operational in July 1990. The actual throughput in 1990 was 978,267 barrels.

3. 1) [For Tanks 40-1, 80-2, 80-3, and 80-4]

GATX strongly disagrees that General Condition No. 2, prohibiting unauthorized deviation from approved drawings, exhibits, specifications, or conditions of both permits was violated. As previously discussed, GATX built these tanks in accordance with the plans submitted with the permit application.



Mr. Iwan Choronenko
June 5, 1991
Page 4

3. 2) [For Tanks 80-3 and 80-4]

GATX agrees that the calculated total VOC emissions from Tanks 80-3 and 80-4 would exceed 7.2 tons per year when deck seam loss is included in the emissions calculations, instead of assuming zero deck seam loss. The 7.2 tons per year calculation in the original permit application was based on a faulty assumption.

3. 3) [For Tank 80-3]

GATX disagrees that the maximum throughput of 1,860,000 barrels for a 12 month consecutive period was exceeded by Tank 80-3 as Tank 80-3 became operational in July 1990 and has not yet operated for a full 12 month period. As of May 29, 1991, the actual throughput was 1,734,798 barrels. GATX anticipates that the total annual throughput will be less than 1,860,000 barrels.

3. 4) GATX did not willfully violate any condition of these permits, and brought the issue of the incorrect assumption in the emissions calculations in good faith to EPC's attention as soon as it was recognized.



Mr. Iwan Choronenko
June 5, 1991
Page 5

4. GATX submitted applications to modify the permits for Tanks 40-1, 80-2, 80-3, and 80-4 on May 29, 1991, to Mr. C.H. Fancy, FDER-Tallahassee. Copies of the applications have been provided to EPC and FDER-Tampa.

Rather than immediate withdrawal of the operating permit applications submitted for Tanks 80-3 and 80-4, GATX suggests substitution of the revised applications for modification of operating permits for Tanks 40-1, 80-2, 80-3, and 80-4 as submitted on May 29, 1991.

5. Application for modification of the permits for Tanks 40-1, 80-2, 80-3, and 80-4 have been submitted (3 copies to FDER in Tallahassee and one copy to EPC). Applicable permitting fees were submitted to FDER-Tallahassee.
6. GATX takes no exception to storing diesel fuel only in Tanks 40-1 and 80-2 until FDER takes final agency action on the permits for these tanks (i.e., Tank 40-1, 80-2, 80-3, 80-4), and until resolution of any hearing on, or appeal from that action.
7. GATX feels that the suggested settlement amount of \$26,600 is unreasonable, excessive, and unfair. GATX willingly brought forth this information to EPC in good faith so that all emissions calculations would be accurate and representative of actual



Mr. Iwan Choronenko
June 5, 1991
Page 6

conditions. In the GATX/EPC meetings of November 13, 1990 and February 6, 1991, EPC admitted their error, as well, in their acceptance of, and concurrence with the incorrect calculation assumptions. GATX believes, however, that an appropriate level of fine can be reasonably negotiated.

8. GATX takes no exception to providing EPC with reasonable expenses (\$300) of the Commission in investigating and resolving this matter.

9. - 14. GATX takes no exception to these conditions of the Order.

GATX appreciates the time and effort that EPC staff has offered in resolution of these concerns.

Please contact me or Elaine Macinski at 248-2148 with further questions or concerns you may have.

Sincerely,
GATX TERMINALS CORPORATION

A handwritten signature in cursive script, appearing to read "Tom Rigg".

Tom Rigg
Florida Operations Manager

TR:mr; em-2chor

c: A. Longman
S. Fotopulos, Chief Counsel- EPC
D. Graziani, EPC
C. S. Lee, FDER-Southwest
C. H. Fancy, FDER-Tallahassee
W. Hanks, FDER-Tallahassee



GATX TERMINALS CORPORATION

100 GATX DRIVE
TAMPA, FL 33605
TWX: 810-876-0804
TELECOPIER: 813-247-4274
MAIN OFFICE: 813-248-2148

May 31, 1991

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

RECEIVED

JUN 07 1991

Division of Air
Resources Management

RE: GATX Terminals Corporation
Construction Permit Nos. AC29-187289, Tank No. 80-6 and Surge
Tank and AC29-190380, Tank No. 80-7

Dear Mr. Fancy:

GATX Terminals Corporation (GATX) is in receipt of construction permits AC29-187289 for tank no. 80-6/surge tank and AC29-190380 for tank no. 80-7.

Upon review of the aforementioned construction permits, GATX noted the following typographical errors on page 1 of 6 (both permits): the county listed is "Orange" rather than "Hillsborough" and the longitude listed as 82degrees26'80" should be 82degrees26'30". Specific Condition No. 6 (page 6 of 6) of FDER permit no. AC29-187289 for tank no. 80-6/surge tank states VOC emissions from the emergency relief system shall not exceed 0.3 TPY. GATX wishes to clarify the surge tank is exclusively for emergency situations only, therefore, emissions and/or throughput monitoring should not be necessary. GATX respectfully requests this clarification be incorporated into FDER permit no. AC29-187289.

Please contact me at (813) 248-2148 or 241-1139 should you have any questions or concerns.

Sincerely,
GATX TERMINALS CORPORATION

Caren I. Lennie

Caren I. Lennie
Environmental Coordinator

CIL:lc
cl-ac29

cc: Harry Kerns - Southwest District

COMMISSION
PHYLLIS BUSANSKY
JOE CHILLURA
PAM IORIO
SYLVIA KIMBELL
JAN KAMINIS PLATT
JAMES D. SELVEY
ED TURANCHIK

FAX (813) 272-5157



ROGER P. STEWART
EXECUTIVE DIRECTOR
ADMINISTRATIVE OFFICES
AND
WATER MANAGEMENT DIVISION
1900 - 9TH AVENUE
TAMPA, FLORIDA 33605
TELEPHONE (813) 272-5960
AIR MANAGEMENT DIVISION
TELEPHONE (813) 272-5530
WASTE MANAGEMENT DIVISION
TELEPHONE (813) 272-5788
ECOSYSTEMS MANAGEMENT DIVISION
TELEPHONE (813) 272-7104

May 8, 1991

Mr. Willard Hanks
Bureau of Air Resources
Florida Department of Environmental
Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Re: GATX Terminal Corporation AC29-187289 and AC29-190380
(Tanks 80-6, 80-7 and Surge Tank)


Dear Mr. Hanks: ^{WILLARD}

As per our telephone conversation of May 2, 1991, the EPC/HC has no objection to GATX's request (enclosed letter of April 30, 1991) on the referenced subject.

Per my request, you would incorporate APIS No. 40HIL29008508 in the final determination for these permits. This will facilitate our APIS input and source tracking.

I enjoyed the opportunity to discuss this matter with you. Please call me at SUNCOM 543-5530 should you have any questions.

Sincerely,


Carlos C. Gonzalez
Air Permit Engineer

bm

cc: J. Harry Kerns, P.E., SWDER

Enclosure

RECEIVED

MAY 13 1991

Division of Air
Resources Management



April 18, 1991

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: GATX Terminals Corporation
FDER Technical Evaluation and Preliminary Determination
Petroleum Storage Tank Nos. 80-6, 80-7 and an
Emergency Relief System (Surge Tank)
DER File Nos. AC29-187289 and AC29-190380

Dear Mr. Andrews:

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/Surge Tank, File No. AC29-187289 and Petroleum Storage Tank No. 80-7, File No. AC29-190380, has the following comment to make in regards to Specific Condition No. 1 on page 5 of 6.

Specific Condition No. 1 states that the petroleum storage tank 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, GATX 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. GATX would like to incorporate this point in Specific Condition No. 1 of proposed permit No. AC29-190380.

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

Sincerely,
GATX TERMINALS CORPORATION

Caren D. Lennie for

Tom Rigg
Florida Operations Manager

CL:TR:mr

c: B. Thomas, FDER-Southwest
J. Campbell, EPCHC

ATTACHMENT I

TRUE VAPOR PRESSURE

Theoretical:

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

4331.50 ÷ 365 days = $\frac{\text{Weighted Avg. VP}}{11.87 \text{ psia}}$

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 *EM*

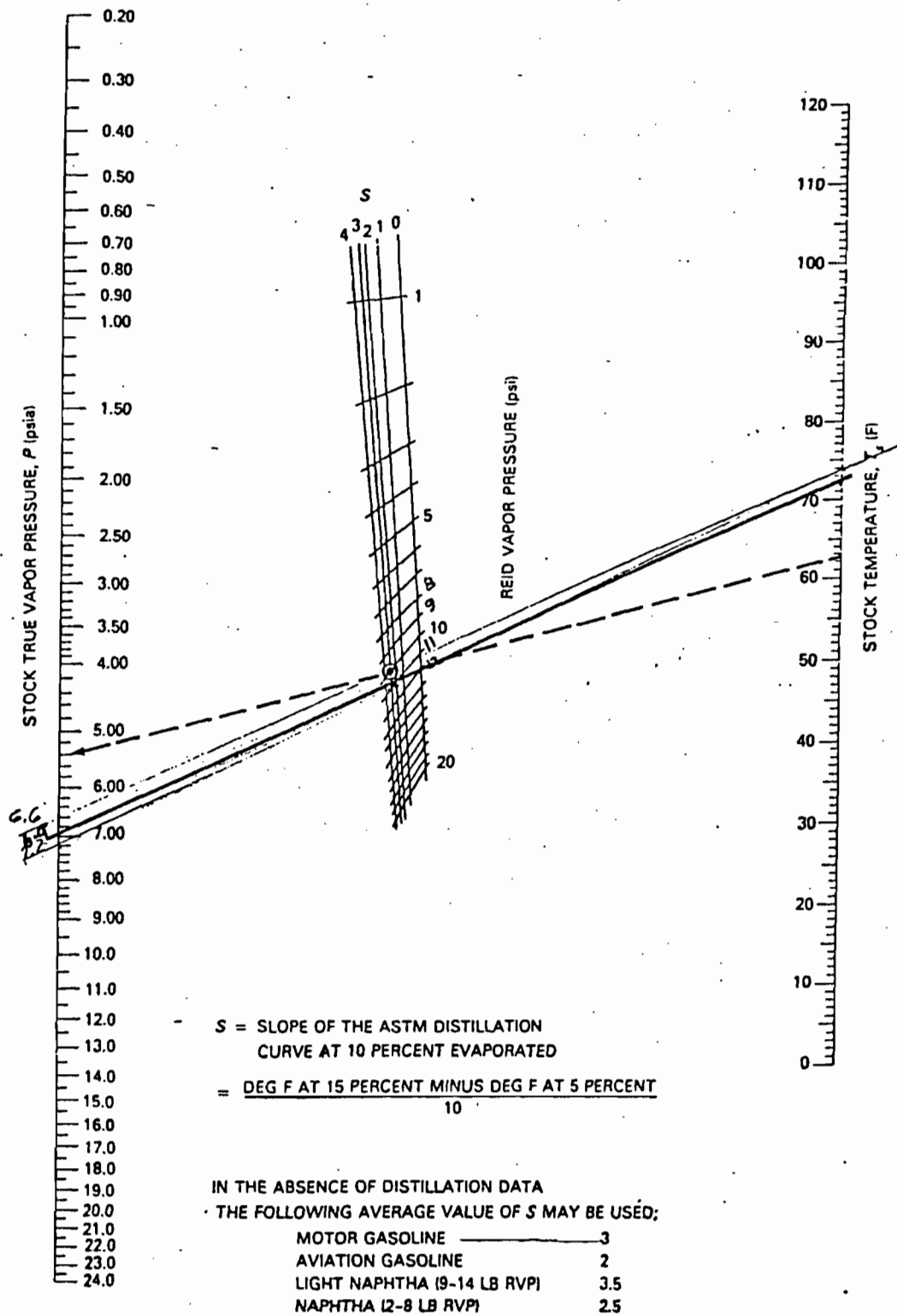
SUBJECT REID VAPOR PRESSURE LIMITS

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.



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)



GATX TERMINALS CORPORATION

100 GATX DRIVE
TAMPA, FL 33605
TWX: 810-876-0804
TELECOPIER: 813-247-4274
MAIN OFFICE: 813-248-2148

RECEIVED

MAY 1 - 1991

April 30, 1991

DER-BAQM

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: GATX Terminals Corporation
AC29-187289 and AC29-190380
Petroleum Storage Tank Nos. 80-6, 80-7 and an Emergency
Relief System (Surge Tank)
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, F.A.C., GATX Terminals Corporation herewith submits proof of publication of the Notice of Intent to issue construction permits for Petroleum Storage Tank Nos. 80-6, 80-7 and an Emergency Relief System (Surge Tank) at its Tampa, Florida terminal.

This notice was published in the April 18, 1991 issue of the Tampa Tribune. GATX received proof of publication in a timely manner, however, the proof was attached to the newspaper's invoice and inadvertently sent to the wrong department. GATX regrets any inconvenience this may have caused.

Sincerely,
GATX TERMINALS CORPORATION

Caren I. Lennie
Environmental Coordinator

CIL/th
dergatx

cc: B. Thomas, FDER - Southwest
J. Campbell, EPCHC
J. Hanks

FEDERAL EXPRESS QUESTIONS? CALL 800-238-5355 TOLL FREE		AIRBILL PACKAGE TRACKING NUMBER 8675180920	
Date: 4/30/91		RECIPIENT'S COPY	
From (Your Name) Please Print: CORSA, Lennie		To (Recipient's Name) Please Print: G. H. Fandy	
Your Phone Number (Very Important): 813-248-2148		Recipient's Phone Number (Very Important):	
Company: GATX TERMINALS CORP		Company: FEDERAL	
Department/Floor No.:		Department/Floor No.:	
Street Address: 100 GATX DR		Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes):	
City: TAMPA State: FL ZIP Required: 33600		City: Tallahassee State: FL ZIP Required: 32309	
YOUR INTERNAL BILLING REFERENCE INFORMATION (First 24 characters will appear on invoice.) 813-118-77580-510			
PAYMENT: <input type="checkbox"/> Bill Sender, <input type="checkbox"/> Bill Recipient's FedEx Acct. No., <input type="checkbox"/> Bill 3rd Party FedEx Acct. No., <input type="checkbox"/> Credit Card		IF HOLD FOR PICK-UP: Print FEDEX Address Here Street Address:	
City:		State:	
ZIP Required:		ZIP Required:	
SERVICES (Check only one box)		DELIVERY AND SPECIAL HANDLING (Check services required)	
Priority Overnight Service (Delivery by next business morning): 11 <input type="checkbox"/> YOUR PACKAGING 51 <input type="checkbox"/> 16 <input checked="" type="checkbox"/> FEDEX LETTER 56 <input type="checkbox"/> FEDEX LETTER 12 <input type="checkbox"/> FEDEX PAK 52 <input type="checkbox"/> FEDEX PAK 13 <input type="checkbox"/> FEDEX BOX 53 <input type="checkbox"/> FEDEX BOX 14 <input type="checkbox"/> FEDEX TUBE 54 <input type="checkbox"/> FEDEX TUBE Economy Distribution Service (formerly Standard Air) (Delivery by second business day): 30 <input type="checkbox"/> ECONOMY DIST. SVC. Heavyweight Service (for Extra Large or any package over 150 lbs.): 70 <input type="checkbox"/> HEAVYWEIGHT 80 <input type="checkbox"/> DEFERRED HEAVYWEIGHT		1 <input type="checkbox"/> HOLD FOR PICK-UP (If in box 1) 2 <input checked="" type="checkbox"/> DELIVER WEEKDAY 3 <input type="checkbox"/> DELIVER SATURDAY (Extra charge) (Not available to all locations) 14 <input checked="" type="checkbox"/> DANGEROUS GOODS (Extra charge) 5 <input type="checkbox"/> 6 <input type="checkbox"/> DRY ICE 7 <input type="checkbox"/> OTHER SPECIAL SERVICE 8 <input type="checkbox"/> 9 <input type="checkbox"/> SATURDAY PICK-UP (Extra charge) 10 <input type="checkbox"/> 11 <input type="checkbox"/> HOLIDAY DELIVERY (If observed) 12 <input type="checkbox"/>	
Packages:		WEIGHT In Pounds Only:	
YOUR DECLARED VALUE:		DIM SHIPMENT (Chargeable Weight):	
Total:		Received At:	
1 <input type="checkbox"/> Regular Stop 3 <input type="checkbox"/> Drop Box 2 <input type="checkbox"/> On-Call Stop 5 <input type="checkbox"/> Station		Release Signature:	
FedEx Emp. No.:		Date/Time:	
Federal Express Use:		REVISION DATE 4/90 PART #119501 NCREC 7/90 FORMAT #027 027 © 1990 F.E.C. PRINTED IN U.S.A.	

THE TAMPA TRIBUNE

Published Daily
Tampa, Hillsborough County, Florida

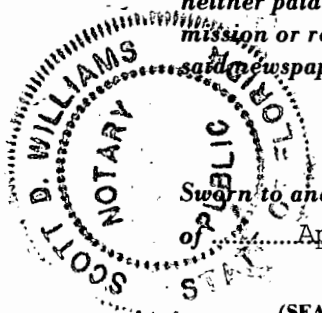
State of Florida
County of Hillsborough } ss.

Before the undersigned authority personally appeared
R. Putney, who on oath says that he is Accounting Manager of The Tampa Tribune, a daily newspaper published at Tampa in Hillsborough County, Florida; that the attached copy of advertisement being a

LEGAL NOTICE

in the matter of
.....
.....
was published in said newspaper in the issues of

Affiant further says that the said The Tampa Tribune is a newspaper published at Tampa, in said Hillsborough County, Florida, and that the said newspaper has heretofore been continuously published in said Hillsborough County, Florida, each day and has been entered as second class mail matter at the post office in Tampa, in said Hillsborough County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he has neither paid nor promised any person, firm, or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.



Sworn to and subscribed before me, this 19 day
April A.D. 19 91

(SEAL)

Notary Public, State of Florida
My Commission Expires Sept. 3, 1994
Bonded Thru Trex Fain - Insurance Inc.

Scott D. Williams

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 permits (AC 29-187289 and AC 29-190380) to GATX Terminals Corporation, 100 GATX Drive, Tampa, Florida 33605 to construct two 80,000 barrel petroleum (gasoline or diesel fuels) storage tanks (Nos. 80-6 and 80-7) equipped with double seals and an emergency relief system (surge tank) at the GATX terminal located at Hookers Point, Tampa, Hillsborough County, Florida 33605. Total volatile organic compounds (VOC) emissions from these tanks are estimated to be 18.5 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:

- 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;
- A statement of how and when each petitioner received notice of the Department's action or proposed action;
- A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- 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
Southwest District
4520 Oak Fair Boulevard
Tampa, Florida 33610-7347
Environmental Protection Commission
of Hillsborough County
1410 North 21st Street
Tampa, Florida 33605

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.

2337

4/18/91

P 407 852 647

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

Special and No.	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
407 852 647					\$	4-5-91 AC 29-187289 190380
Postage and ZIP Code	Certified Fee					
Tampa, FL 33605						

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

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

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

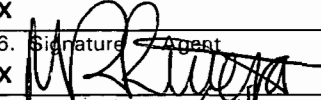
3. Article Addressed to:
Mr. Tom Rigg
Mgr. of Fla. Operations
GATX Terminals Corp.
100 GATX Dr.
Tampa, FL 33605

4. Article Number
P 407 852 647

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

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Addressee
X

6. Signature — Agent
X 

7. Date of Delivery
4/8/91

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

PS Form 3811, Apr. 1989

*U.S.G.P.O. 1989-238-815

DOMESTIC RETURN RECEIPT



Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

April 4, 1991

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

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

Dear Mr. Rigg:

Attached is the Technical Evaluation and Preliminary Determination and proposed permits to construct petroleum storage tanks Nos. 80-6 and 80-7, and an emergency relief system (surge tank) at the GATX terminal in Tampa, Hillsborough 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,

Barry D. Andrews

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

CHF/WH/plm

Attachments

c: Bill Thomas, SW District
Jerry Campbell, EPCHC
Stanford Strehler, Jr., P.E.
Reading File }
Willard Hanks } 4-5-91 AM

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

In the Matter of
Application for Permits by:

GATX Terminals Corporation
100 GATX Drive
Tampa, Florida 33605

DER File No. AC 29-187289
AC 29-190380

INTENT TO ISSUE

The Department of Environmental Regulation hereby gives notice of its intent to issue permits (copies attached) for the proposed projects 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, GATX Terminals Corporation, applied on October 10, 1990, to the Department of Environmental Regulation for permits to construct two petroleum storage tanks (Nos. 80-6 and 80-7) and an emergency relief system (surge tank) at the GATX terminal located at 100 GATX Drive in Tampa, Hillsborough County, Florida 33605.

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

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 permits (AC 29-187289 and AC 29-190380) to GATX Terminals Corporation, 100 GATX Drive, Tampa, Florida 33605, to construct two 80,000 barrel petroleum (gasoline or diesel fuels) storage tanks (Nos. 80-6 and 80-7) equipped with double seals and an emergency relief system (surge tank) at the GATX terminal located at Hookers Point, Tampa, Hillsborough County, Florida 33605. Total volatile organic compounds (VOC) emissions from these tanks are estimated to be 18.5 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
Southwest District
4520 Oak Fair Boulevard
Tampa, Florida 33610-7347

Environmental Protection Commission
of Hillsborough County
1410 North 21st Street
Tampa, Florida 33605

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.

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

Barry L. Johnson

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

Copies furnished to:

Bill Thomas, SW District
Jerry Campbell, EPCHC
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 4-5-91.

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

Kim Deba 4-5-91
Clerk Date

Technical Evaluation
and
Preliminary Determination

GATX Terminals Corporation
Tampa, Hillsborough County, Florida

Petroleum Storage Tanks

<u>Tank</u>	<u>File No.</u>
80-6/Surge Tank	AC 29-187289
80-7	AC 29-190380

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

April 4, 1991

I. Application

A. Applicant

GATX Terminal Corporation
100 GATX Drive
Tampa, Florida 33605

B. Project and Location

Mr. Tom Rigg, GATX Terminal Corporation's Manager of Florida Operations, submitted an application for permits to construct two 80,000 barrel petroleum (gasoline and diesel fuels) storage tanks (Nos. 80-6 and 80-7) on October 2, 1990. An emergency relief system (surge tank) is also being included with these tanks. The application was considered complete on January 22, 1991. These tanks will be installed at GATX's terminal (SIC 5171) located at 100 GATX Drive, Tampa, Hillsborough County, Florida 33605. The UTM coordinates of this site are Zone 17, 358.0 km E and 3088.7 km N.

Each storage tank is a 112 ft. diameter by 48 ft. high fixed roof tank equipped with an internal floating roof having double wiper seals. Each tank has a capacity of 80,000 barrels. The tanks will be used to store gasoline and diesel fuels. Based on an annual throughput of 1,860,000 barrels of gasoline for each tank, the volatile organic compounds (VOC) emissions are estimated to be 9.1 TPY. Total VOC emissions from both tanks are estimated to be 18.2 TPY. The emergency relief system (surge tank) has a capacity of 8,000 gallons. It is estimated to emit 0.3 TPY VOC.

II. Rule Applicability

The proposed project, construction of petroleum storage tanks 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 sources will be in an area designated nonattainment for ozone and particulate matter (F.A.C. Rule 17-2.410), unclassifiable for sulfur dioxide (F.A.C. Rule 17-2.430) 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. Since the emissions increase resulting from the proposed modification is less than "significant" (significant equals 40 TPY VOC), the applicant is not required to net the previous small contemporaneous emissions changes at this facility (EPA May 29, 1990, draft policy). 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, or New Source Review for Nonattainment Areas, F.A.C. Rule 17-2.510.

Since the project results in an increase of 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 storage tanks 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 each tank, based on a throughput of 1,860,000 barrels per year, is 2.1 lbs/hr (avg) or 9.1 TPY. Total emissions from both tanks are estimated to be 18.2 TPY. The VOC emissions from the emergency relief system (surge tank) are estimated to be 0.3 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 GATX Terminals Corporation, the Department has reasonable assurance that the proposed project, construction of petroleum storage tanks, 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.

Barry D. Anderson
36024
4-4-91

Since the project results in an increase of 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 storage tanks 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.

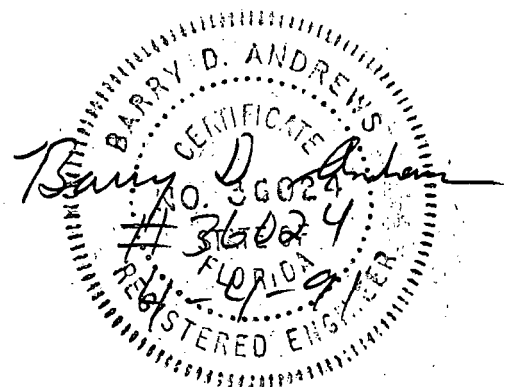
The calculated emissions from each tank, based on a throughput of 1,860,000 barrels per year, is 2.1 lbs/hr (avg) or 9.1 TPY. Total emissions from both tanks are estimated to be 18.2 TPY. The VOC emissions from the emergency relief system (surge tank) are estimated to be 0.3 TPY.

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 GATX Terminals Corporation, the Department has reasonable assurance that the proposed project, construction of petroleum storage tanks, 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

Lawton Chiles, Governor

Carol M. Browner, Secretary

PERMITTEE:
GATX Terminals Corporation
100 GATX Drive
Tampa, Florida 33605

Permit Number: AC 29-187289
Expiration Date: Nov. 1, 1995
County: Orange
Latitude/Longitude: 27°55'01"
82°26'80"
Project: Petroleum Storage Tank
No. 80-6

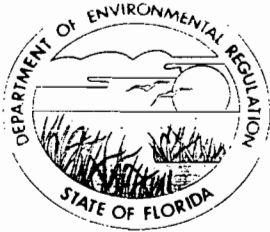
This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents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

For the installation of an 80,000 barrel petroleum storage tank (112 ft. diameter x 48 ft. high) equipped with an internal floating roof having double wiper seals, and an emergency relief system (surge tank) at the GATX terminal (SIC 5171) located at 100 GATX Drive, Tampa, Florida. The UTM coordinates of this facility are Zone 17, 358.0 km E and 3088.7 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 October 2, 1990.
2. DER letter dated October 4, 1990.
3. GATX letter dated December 14, 1990.
4. GATX letter dated January 3, 1991.
5. GATX letter dated February 22, 1991.



Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

PERMITTEE:
GATX Terminals Corporation
100 GATX Drive
Tampa, Florida 33605

Permit Number: AC 29-190380
Expiration Date: Nov. 1, 1995
County: Orange
Latitude/Longitude: 27°55'01"
82°26'80"
Project: Petroleum Storage Tank
No. 80-7

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:

For the installation of an 80,000 barrel petroleum storage tank (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 100 GATX Drive, Tampa, Florida. The UTM coordinates of this facility are Zone 17, 358.0 km E and 3088.7 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 October 2, 1990.
2. DER letter dated October 4, 1990.
3. GATX letter dated December 14, 1990.
4. GATX letter dated January 3, 1991.
5. GATX letter dated February 22, 1991.

PERMITTEE:
GATX Terminals Corporation

Permit Nos. AC 29-187289
AC 29-190380
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:
GATX Terminals Corporation

Permit Nos. AC 29-187289
AC 29-190380
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:
GATX Terminals Corporation

Permit Nos. AC 29-187289
AC 29-190380
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:
GATX Terminals Corporation

Permit Nos. AC 29-187289
AC 29-190380
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. The storage tank shall not handle more than 1,860,000 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. The storage 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. The storage tank may be in service continuously, 8,760 hours/year.

PERMITTEE:
GATX Terminals Corporation

Permit Nos. AC 29-187289
AC 29-190380
Expiration Date: November 1, 1995

SPECIFIC CONDITIONS:

4. The storage 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. The tanks (storage and surge) 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 (VOC) emissions from each storage tank, as determined by the procedures described in AP-42, Compilation of Air Pollutant Emission Factors, Section 4.3, shall not exceed 9.1 TPY. The VOC emissions from the emergency relief system shall not exceed 0.3 TPY. If the parameters that the estimated emissions are based on change, the permittee shall recalculate the emissions from the tanks and submit the data to the Environmental Protection Commission of Hillsborough County.

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 Environmental Protection Commission of Hillsborough County 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 _____, 1991

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

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

Attachments Available Upon Request



GATX TERMINALS CORPORATION

100 GATX DRIVE
TAMPA, FL 33605
TWX: 810-876-0804
TELECOPIER: 813-247-4274
MAIN OFFICE: 813-248-2148

February 22, 1991

RECEIVED

FEB 25 1991

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

DER-BAQM

SUBJECT: GATX Terminals Corporation
File No. AC29-187289, Tank Nos. 80-6, 80-7

Dear Mr. Fancy:

GATX Terminals Corporation (GATX) received a request for additional information from the Department of Regulation (FDER) relative to GATX's application for construction of two 80,000 barrel petroleum storage tanks at its Tampa Terminal. Subsequent to GATX's response, there yet remained a concern of FDER that the contemporaneous emissions change for the Tampa Terminal facility, after the proposed tanks were placed in service, could cause a significant net emissions increase of Volatile Organic Compounds (VOC) greater than the applicable significant emission rate of 40 tons per year (Table 500-2, reference 17-2.500(2)(e)2., F.A.C.), thereby initiating New Source Review.

GATX has thoroughly reviewed the actual emissions from the Tampa facility from 1986 through 1990 and its projected emissions in 1991, taking the proposed new tank construction into consideration. Based on the information provided in 17-2, F.A.C. and the draft EPA guidance document (May 29, 1990), Section III.B., Emissions Netting, GATX determined a net emissions increase in VOC from 1986 through 1991 to be 30.99 tons per year. The following summary identifies actual emissions based on GATX Annual Operating Reports for the years 1986 through 1990, and an estimate for 1991.

1986 49.98 tons per year (actual)

Includes entire tank farm with truck loading racks No. T/T #1(N), T/T #2, T/T #3, T/C #4.

1987 42.34 tons per year (actual)

Includes entire tank farm, truck loading racks No. T/T #1(N), T/T #2, T/T #3, (T/C #4 was not used) Tank No. 55-1 seals were changed from vapor mount type to liquid mount type.



QUESTIONS? CALL 800-238-5355 TOLLFREE

AIRBILL
PACKAGE
TRACKING NUMBER

8048185493

70H

8048185493

Date

RECIPIENT'S COPY

From (Your Name): Please Print		Your Phone Number (Very Important)		To (Recipient's Name): Please Print		Recipient's Phone Number (Very Important)	
Company		Department/Floor No.		Company		Department/Floor No.	
GATX TERMINALS CORP				Mr. C. H. Fancy			
Street Address				Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes)			
100 GATX DR				2600 Blair Stone Rd.			
City		State		City		State	
TAMPA		FL		Tallahassee,		FL	
ZIP Required		ZIP Required		ZIP Required		ZIP Required	
3 3 6 0 5		3 3 6 0 5		3 2 3 9 9 - 4 4 0 0		3 2 3 9 9 - 4 4 0 0	
YOUR INTERNAL BILLING REFERENCE INFORMATION (First 24 characters will appear on invoice.)				IF HOLD FOR PICK-UP, Print FEDEX Address Here			
				Street Address			
				City			
				State			
				ZIP Required			
PAYMENT: 1 Bill Sender 2 Bill Recipient's FedEx Acct. No. 3 Bill 3rd Party FedEx Acct. No. 4 Bill Credit Card							
5 Cash							

SERVICES (Check only one box)		DELIVERY AND SPECIAL HANDLING		PACKAGES	WEIGHT in Pounds Only	YOUR DECLARED VALUE	OVER SIZE	Emp. No.	Date	Federal Express Use
Priority Overnight Service (Delivery by next business morning†)	Standard Overnight Service (Delivery by next business afternoon†)	1 <input type="checkbox"/> HOLD FOR PICK-UP (Fill in Box H)								Base Charges
11 <input checked="" type="checkbox"/> YOUR PACKAGING	51 <input type="checkbox"/>	2 <input checked="" type="checkbox"/> DELIVER WEEKDAY								Declared Value Charge
16 <input type="checkbox"/> FEDEX LETTER	56 <input type="checkbox"/> FEDEX LETTER	3 <input type="checkbox"/> DELIVER SATURDAY (Extra charge) (Not available to all locations)								Other 1
12 <input type="checkbox"/> FEDEX PAK	52 <input type="checkbox"/> FEDEX PAK	4 <input type="checkbox"/> DANGEROUS GOODS (Extra charge) (CSS not available for Dangerous Goods Shipments)								Other 2
13 <input type="checkbox"/> FEDEX BOX	53 <input type="checkbox"/> FEDEX BOX	5 <input type="checkbox"/> CONSTANT SURVEILLANCE SVC. (CSS) (Extra charge) (Release Signature Not Applicable)								Total Charges
14 <input type="checkbox"/> FEDEX TUBE	54 <input type="checkbox"/> FEDEX TUBE	6 <input type="checkbox"/> DRY ICE (Lbs)								
Economy Service (Formerly Standard Air) (Delivery by second business day†)	Heavyweight Service (for Extra Large or any package over 150 lbs.)	7 <input type="checkbox"/> OTHER SPECIAL SERVICE								
30 <input type="checkbox"/> ECONOMY SERVICE	70 <input type="checkbox"/> HEAVYWEIGHT	8 <input type="checkbox"/>								
	80 <input type="checkbox"/> DEFERRED HEAVYWEIGHT	9 <input type="checkbox"/> SATURDAY PICK-UP (Extra charge)								
† Delivery commitment may be later in some areas.	*Declared Value Limit \$1000 **Call for delivery schedule.	10 <input type="checkbox"/>								
		11 <input type="checkbox"/> DESCRIPTION								
		12 <input type="checkbox"/> HOLIDAY DELIVERY (If offered) (Extra charge)								
				DIM SHIPMENT (Heavyweight Services Only)						
				1 <input type="checkbox"/> Regular Stop 3 <input type="checkbox"/> Drop Box						
				2 <input type="checkbox"/> On-Call Stop 4 <input type="checkbox"/> B.S.C.						
				5 <input type="checkbox"/> E1 Station						
				FedEx Emp. No.						
				Received At						
				1 <input type="checkbox"/> Regular Stop 3 <input type="checkbox"/> Drop Box						
				2 <input type="checkbox"/> On-Call Stop 4 <input type="checkbox"/> B.S.C.						
				5 <input type="checkbox"/> E1 Station						
				Release Signature						
				Date/Time						
				REVISION DATE 11/89 PART #119501 FXEM 5.90 FORMAT #014						
				© 1989 F.E.C. PRINTED IN U.S.A.						

1988 35.62 tons per year (actual)

Includes entire tank farm, truck loading racks No. T/T #1(N), T/T #2, T/T #3, T/C #4.

1989 40.30 tons per year (actual)

Includes entire tank farm, truck loading racks No. T/T #1 (new rack with flare unit which replaced T/T #1(N)), T/T #2, T/T #3, T/C #4; Tank Nos. 10-3 and 10-4 were not in use.

1990 63.22 tons per year (actual)

Includes entire tank farm, all loading racks (T/C #4 was not used), and newly constructed Tank Nos. 80-2, 80-3, 80-4.

1991 80.97 (estimated)

Includes entire tank farm, all loading racks, calculated potential emissions from proposed Tank Nos. 80-5, 80-6 and 80-7. (These new tanks will be dedicated to storage prior to product transport via pipeline and will, therefore, have no additional impact on, or cause volume increases to the truck loading rack (T/T #1) and vapor flare unit.) Tank Nos. 201, 202, 203 and 204 have been dismantled.

Considering the actual emissions noted above, GATX believes that the contemporaneous emissions increase of 30.99 tons per year caused by construction of Tank Nos. 80-6 and 80-7 does not cause a significant net emissions increase.

GATX understands that this information will complete the permit application for the construction of Tank Nos. 80-6 and 80-7. Should there be any further questions, however, please contact Ms. Caren Lennie at (813) 241-1139.

Sincerely,
GATX TERMINALS CORPORATION


Tom Rigg
Florida Operations Manager

TR/jb

cc: Bill Thomas, FDER, Tampa
Jerry Campbell, HCEPC
Stanford Strehler, P.E.
W. J. Jankins



January 14, 1991

RECEIVED

JAN 24 1991

DER-BAQM

CENTRAL FLORIDA PIPELINE CORPORATION

Subsidiary of
GATX TERMINALS CORPORATION

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

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

RE: GATX Terminals Corporation
File No. AC29-187289, Amendment to
Application to Construct Air Pollution Source

Dear Mr. Fancy:

GATX Terminals Corporation (GATX) respectfully requests an amendment to the application to construct Air Pollution Source for two (2) 80,000 barrel gasoline storage tanks to include one (1) Emergency Relief System 8,000 gallon capacity tank. On January 10, 1991, Willard Hanks advised GATX to pursue the amendment of the Emergency Relief System Tank as GATX desires to obtain an air construction permit for this tank as soon as possible.

Provided for your review and approval are four (4) copies of the worst case scenario Air Emission Calculations and Emissions Summary. As previously discussed this Emergency Relief Tank will not be used for storage.

Please contact me at (813) 241-1139 with any questions. GATX appreciates your expeditious response and cooperation regarding this matter.

Sincerely,

Caren I. Lennie
Environmental Coordinator

CL:sd
CL-3FANC

attachments

cc: Mr. W. Hanks, FDER

B. Thomas, SW Dist
D. Graziani, EPCRC

EMISSION LOSS CALCULATIONS
C.R. SURGE TANK
8,000 GALLON EMERGENCY RELIEF TANK

Breathing Loss

L =	2.26 x 10 ⁻² M (<u>6.9</u>) ^{.68}	1.73	0.51	0.50
B	V PA-P	D	H	Δ T F _p C _K C
L =	Fixed roof breathing loss (lbs/yr)			
B				
M =	Molecular wt. of vapor			64
V				
PA=	Avg. atmospheric pressure			14.7
P=	True vapor pressure			6.9
D=	Tank diameter			10'6"
H=	Avg. vapor space height			6'
Δ T=	Avg. ambient diurnal temp. chg.			19.1
F _p =	Paint factor			1
C=	Adj. factor sm. Ø tanks			.57
K _C =	Product factor			1

$$.0226 \times 64 \times \left(\frac{6.9}{14.7-6.9} \right)^{.68} \times 58.4329 \times 2.4938 \times 4.3704 \times 1 \times .57 \times 1$$

$$.0226 \times 64 \times \left(\frac{6.9}{7.8} \right)^{.68} \times 58.4329 \times 2.4938 \times 4.3704 \times 1 \times .57 \times 1$$

$$.0226 \times 64 \times .8846^{.68} \times 58.4329 \times 2.4938 \times 4.3704 \times 1 \times .57 \times 1$$

$$.0226 \times 64 \times .92 \times 58.4329 \times 2.4938 \times 4.370004 \times 1 \times .57 \times 1 = 483.05 \text{ lbs/yr} = .24 \text{ TPY}$$

Working Loss

$$L = \frac{2.40 \times 10^{-5} \times M \times P \times V \times N \times K}{W \times C}$$

L = fixed roof working loss
W

M = molecular wt. of vapor 64
V

P = true vapor pressure 6.9

V = tank capacity (gal) 8,000

N = number of turnovers per yr. 1

$$N = \frac{\text{Total thruput per yr (gal)}}{\text{Tank capacity (gal)}}$$

K = Turnover factor 1
N

K = Product factor 1
C

$$.0000240 \times 64 \times 6.9 \times 8000 \times 1 \times 1 \times 1 = 84.7872 \text{ lbs/yr}$$

$$.04 \text{ TPY}$$

$$L + L = \text{TPY}$$

$$.04 + .24 = .28 \text{ TPY}$$

$$84.79 + 483.05 = 567.84 \text{ lbs/yr}$$



GATX TERMINALS CORPORATION

100 GATX DRIVE
TAMPA, FL 33605
TWX: 810-876-0804
TELECOPIER: 813-247-4274
MAIN OFFICE: 813-248-2148

RECEIVED

JAN 7 1991

January 3, 1991

DER-BAQM

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

Re: GATX Terminals Corporation
Request for Exemption of Air Permit

Dear Mr. Fancy:

GATX Terminals Corporation (GATX) proposes to construct an emergency relief system (i.e., surge tank) which will serve a newly constructed piping manifold at the Tampa, Florida facility. This emergency relief system is identical to the system put into service on 8/4/89 at our Central Florida Pipeline Corporation (CFPL) Hemlock Pump Station located in Tampa.

Similar to the tank in service at the Hemlock Pump Station, this 8,000 gallon aboveground tank (see attached sketch) will receive product only when an emergency over-pressure situation occurs. The tank contents would be immediately pumped back into the piping manifold system if product is relieved into the tank. The tank will not be used for storage. The proposed tank will also be equipped with a conservation pressure/vacuum vent.

GATX respectfully requests a Florida Department of Environmental Regulation (FDER) waiver on the air permitting requirements for the emergency relief tank, as was granted on the previous emergency relief tank. Please note the attached copy of the exemption letter issued to CFPL. As previously stated, this tank will not be used for storage and, under normal conditions, will not be a source of air pollution.

Please review the above project description and advise of your determination. GATX is presently working on the project schedule and plans to submit an application for a construction

GATX

GATX TERMINALS CORPORATION

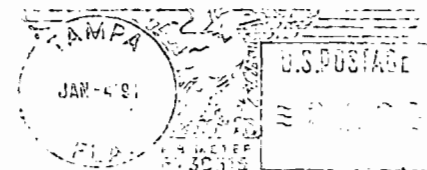
100 GATX DRIVE
TAMPA, FL 33605

*Fold at line over top of envelope to the right
of the return address*

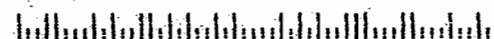
CERTIFIED

P 798 260 383

MAIL



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



Mr. C. H. Fancy
Jan. 3, 1991
Page 2

permit to the City of Tampa on January 11, 1991. Please accept GATX's apology for such short notice and GATX would greatly appreciate a letter of determination by January 25, 1991, if possible.

If you have any questions or concerns, please contact me at (813) 248-2148.

Sincerely,
GATX TERMINALS CORPORATION

Caren I. Lennie

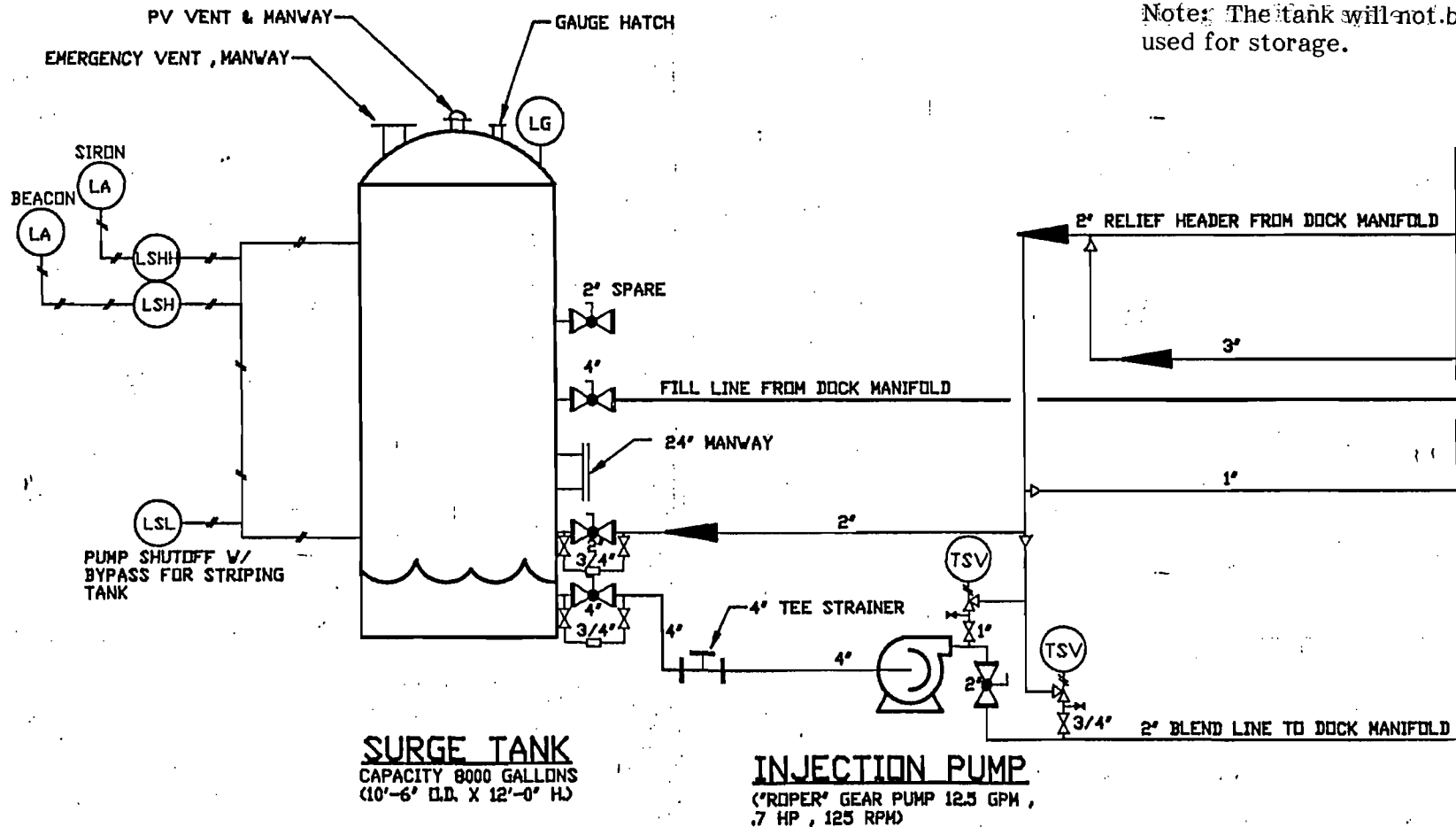
Caren I. Lennie
Environmental Coordinator

CIL:mrr
cl-2fan

Attachment

c: W. Hanks
B. Thomas, SW Dist.
J. Campbell, EPC etc
CHF/BA

Operation: In the event of overpressurization, tank contents will be immediately pumped back into the piping manifold system if product is relieved into tank.
 Note: The tank will not be used for storage.



GATX APR 7 1988

COMMISSION
RODNEY COLSON
PAM IORIO
RUBIN E. PADGETT
JAN KAMINS PLATT
HAVEN POE
JAMES D. SELVEY
PICKENS C. TALLEY II



ROGER P. STEWART
DIRECTOR

1900 - 9th AVE
TAMPA, FLORIDA 33605

TELEPHONE (813) 272-5960

April 7, 1988

Mr. David Theung
Chief Engineer
Central Florida Pipeline Corporation
1904 Hemlock Avenue
Tampa, FL 33605

RE: HEMLOCK PUMP STATION - EMERGENCY RELIEF TANK

Dear Mr. Theung:

In response to your letter of February 1, 1988, the staff of the Florida Department of Environmental Regulation and Environmental Protection Commission of Hillsborough County has determined that a construction permit for the new 8,000-gallon emergency relief tank at the Hemlock Avenue pump station is not required at this time. However, should the emergency relief tank become a source of citizen complaints or an air pollution rule is established for this type of unit, you may be required to obtain a permit in the future.

If you have any questions, please call at (813) 272-5530.

Sincerely,

Victor San Agustin

Victor San Agustin
Senior Air Permit Engineer

pjb

xc Bill Thomas, FDER



GATX TERMINALS CORPORATION

100 GATX DRIVE
TAMPA, FL 33605
TWX: 810-876-0804
TELECOPIER: 813-247-4274
MAIN OFFICE: 813-248-2148

December 14, 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

RECEIVED
DEC 17 1990
DER-BAQM

Re: GATX Terminals Corporation
File No. AC29-187289, Tank Nos. 80-6, 80-7

Dear Mr. Fancy:

GATX Terminals Corporation (GATX) is in receipt of your request for additional information relative to the permit to construct petroleum storage Tank Nos. 80-6 and 80-7 at the Tampa facility, Hillsborough County, Florida. In response to the Department's questions, GATX provides the following information:

1. Will the operation of these tanks 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 Nos. 80-6 and 80-7 will not increase VOC emissions from any other pollution source at this facility as the function of these two tanks is solely dedicated to servicing an outgoing pipeline.

2. What petroleum products will be handled in these tanks? What is the maximum vapor pressure of these products? If the vapor pressure of any of the products exceed 6.0 psia, the calculated VOC emissions from these tanks must be revised.

Response: The petroleum products which will be handled in Tank Nos. 80-6 and 80-7 are gasoline and diesel. GATX herewith provides the revised



QUESTIONS? CALL 800-238-5355 TOLL FREE

AIRBILL
PACKAGE
TRACKING NUMBER

9266671131

275M

9266671131

RECIPIENT'S COPY

From (Your Name) Please Print Elaine Macinelli		Your Phone Number (Very Important) 813-248-2148		To (Recipient's Name) Please Print C. H. Lang		Recipient's Phone Number (Very Important)			
Company GATX TERMINALS CORP		Department/Floor No.		Company Chief Air Section, FIDER		Department/Floor No.			
Street Address 100 GATX DR		Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes) 2600 Blair Stone Rd.							
City TAMPA		State FL		City Tallahassee		State FL			
ZIP Required 33605		ZIP Required 32301							
YOUR INTERNAL BILLING REFERENCE INFORMATION (First 24 characters will appear on invoice.)									
PAYMENT <input checked="" type="checkbox"/> Bill Sender <input type="checkbox"/> Bill Recipient's FedEx Acct. No. <input type="checkbox"/> Bill 3rd Party FedEx Acct. No. <input type="checkbox"/> Bill Credit Card				IF HOLD FOR PICK-UP, Print FEDEX Address Here					
<input type="checkbox"/> Cash <input type="checkbox"/> Check				Street Address					
				City State ZIP Required					
4 SERVICES (Check only one box)		DELIVERY AND SPECIAL HANDLING (Check services required)		PACKAGES WEIGHT In Pounds Lbs. YOUR DECLARED VALUE*		Emp. No. Date Federal Express Use			
Priority Overnight Service (Delivery by next business morning) 11 <input checked="" type="checkbox"/> YOUR PACKAGING 51 <input type="checkbox"/> 16 <input type="checkbox"/> FEDEX LETTER 56 <input type="checkbox"/> 12 <input type="checkbox"/> FEDEX PAK 52 <input type="checkbox"/> 13 <input type="checkbox"/> FEDEX BOX 53 <input type="checkbox"/> 14 <input type="checkbox"/> FEDEX TUBE 54 <input type="checkbox"/>		1 <input type="checkbox"/> HOLD FOR PICK-UP (Fill in Box #) 2 <input checked="" type="checkbox"/> DELIVER WEEKDAY 3 <input type="checkbox"/> DELIVER SATURDAY (Extra charge) (Not available to all locations) 4 <input type="checkbox"/> DANGEROUS GOODS (Extra charge) 5 <input type="checkbox"/> 6 <input type="checkbox"/> DRY ICE Lbs. 7 <input type="checkbox"/> OTHER SPECIAL SERVICE 8 <input type="checkbox"/> 9 <input type="checkbox"/> SATURDAY PICK-UP (Extra charge) 10 <input type="checkbox"/> 11 <input type="checkbox"/> DEFERRED DELIVERY 12 <input type="checkbox"/> HOLIDAY DELIVERY (if offered) (Extra charge)		Total Total Total DIM SHIPMENT (Chargeable Weight) <input type="checkbox"/> Lbs. Received At 1 <input type="checkbox"/> Regular Stop 3 <input type="checkbox"/> Drop Box 4 <input type="checkbox"/> B.S.C. 5 <input type="checkbox"/> Station 2 <input type="checkbox"/> On-Call Stop		Emp. No. Date <input type="checkbox"/> Cash Received <input type="checkbox"/> Return Shipment <input type="checkbox"/> Third Party <input type="checkbox"/> Chg. To Del <input type="checkbox"/> Chg. To Hold Street Address City State Zip Received By X Date/Time Received FedEx Employee Number		Base Charges Declared Value Charge Other 1 Other 2 Total Charges REVISION DATE 8/90 PART #119501 FXEM 9/90 FORMAT #041 041 © 1990 F.E.C. PRINTED IN USA	
Economy Two-Day Service (formerly Standard Air) (Delivery by second business day) 30 <input type="checkbox"/> ECONOMY TWO-DAY SVC. Heavyweight Service (for Extra Large or any package over 150 lbs.) 70 <input type="checkbox"/> HEAVYWEIGHT 80 <input type="checkbox"/> DEFERRED HEAVYWEIGHT *Declared Value Limit \$100 *Call for delivery schedule.									

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

emission calculations. 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 these tanks are welded or the tanks have 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) GATX proposes to use in Tank Nos. 80-6 and 80-7 construction is an aluminum bolted deck IFR. The relative deck seam loss has been accounted for in the attached emissions calculations.

4. What will be the contemporaneous emissions change for this facility after the proposed tanks are placed in service (see Rule 17-2.510 (2)(3), F.A.C.)?

Response: As provided in the attached calculations, the total anticipated emissions from Tank Nos. 80-6 and 80-7 are 9.10 tons per year each. As there no other anticipated increases in emissions from the terminal, the contemporaneous emissions change for this facility will be an increase of 18.20 tons per year.

Please advise if there are any further questions or concerns regarding this permit application.

Sincerely,
GATX TERMINALS CORPORATION



Caren Lennie
Environmental Coordinator

CL:mr

c: S. Strehler, P. E.
T. Rigg
W. Hanks
B. Thomas, SW Dist
J. Campbell, EPCMC

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: 1,860,000

Rim Seal Loss -

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

LR = Rim seal loss

Ks = 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_c = 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 -

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

L_W = Withdrawal loss (lb./yr.)

**using constr.
appl. thruput

Q = Throughput

1,860,000

C = Shell clingage factor

.0015

W_L = Avg. organic liquid density

5.6

D = Tank diameter

112'

Nc = Number of columns

7

Fc = Effective column diameter

0.7

$$\frac{(0.943) (1,860,000) (.0015) (5.6)}{112} \left[1 + \frac{7 \times 0.7}{112} \right]$$

(131.55)

(1.04) = 136.81 lbs./yr.
.07 TPY

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

Deck Fitting Loss -

$$L = F \cdot P \cdot M \cdot K_c$$

$\frac{F}{F} \quad \frac{P}{P} \quad \frac{M}{M} \quad \frac{K_c}{K_c}$

L = Fitting loss (lbs./yr.)

F = Total deck fitting loss factor:

<u>Deck Fittings</u>	<u>N</u> <u>(K)</u>
	$\frac{F}{F}$ $\frac{F}{F}$
Access Hatch	2 (1.6)
Side Gauge	1 (5.1)
Column Well	7 (19)
Ladder Well	1 (56)
1/2" 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.

$$[3.2 + 5.2 + 133 + 56 + 26.88 + 0.7 + 12 + 426.60] = 663.48$$

P* = Vapor pressure function 0.157

M = Avg. vapor molecular wt. 64

$\frac{K}{K} = \frac{P}{P} \cdot \frac{M}{M} \cdot \frac{K_c}{K_c}$
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 -

$$L_D = K_D \frac{S_D}{D} D^2 P^* \frac{M_v}{K_c}$$

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

K_D = Deck seam loss per unit seam length factor 0.34

S_D = Deck seam length factor 0.20

D = Tank diameter 112'

P^* = Vapor pressure function 0.157

M_v = Avg. molecular wt. 64

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

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

$$1.41 + .07 + 3.33 + 4.29 = \underline{\underline{9.10 \text{ TPY}}}$$

P 256 396 220

RECEIPT FOR CERTIFIED MAIL

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

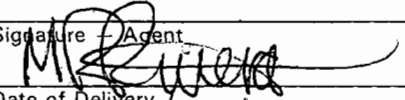
PS Form 3800, June 1985

★ U.S.G.P.O. 1989-234-555

Sent to Mr. Tom Rigg, Central Fla.	
Street and No. 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 Permit: AC 29-187289 Mailed: 10-25-90	

● **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: Mr. Tom Rigg Manager of Fla. Operations Central Florida Pipeline Corp. 100 GATX Drive Tampa, FL 33605	4. Article Number P 256 396 220
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 	
7. Date of Delivery 10/29/90	

PS Form 3811, Apr. 1989

★ U.S.G.P.O. 1989-238-815

DOMESTIC RETURN RECEIPT



Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

October 24, 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 29-187289, Tank Nos. 8-6, 80-7

The Department has made a preliminary review of your application for a permit to construct two petroleum storage tanks at the GATX terminal in Tampa, Hillsborough County, Florida. Before this application can be processed, we need the following information.

1. Will the operation of these tanks increase VOC emissions from any other air pollution source at this terminal? If an increase in emissions for an existing source exceeds the allowable emissions, a new application for permit to construct (modify) must be submitted for that source.
2. What petroleum products will be handled in these tanks? What is the maximum vapor pressure of these products? If the vapor pressure of any of the products exceed 6.0 psia, the calculated VOC emissions from these tanks must be revised.
3. Unless the floating roof seams in these tanks are welded or the tanks have external floating roofs, the procedures in AP-42, Emission Factors, imply there will be a deck seam loss. Please estimate the deck seam loss from the proposed tank.
4. What will be the contemporaneous emissions change for this facility after the proposed tanks are placed in service (see Rule 17-2.510(2)(3), F.A.C.)?



Mr. Tom Rigg
Page 2

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: Bill Thomas, SW District
Jerry Campbell, HCEPC
Stanford Strehler, P.E.

12-19-90
08:44:19

*** SCREEN-1.1 MODEL RUN ***
*** DRAFT VERSION XXXXX ***

GATX/TAMPA/80-6&7.

SIMPLE TERRAIN INPUTS:

SOURCE TYPE = AREA
EMISSION RATE (G/S) = .2650
SOURCE HEIGHT (M) = 14.60
LENGTH OF SIDE (M) = 30.25
RECEPTOR HEIGHT (M) = .00
IDPT (1=URB,2=RUR) = 2

BUOY. FLUX = .00 M**4/S**3; MOM. FLUX = .00 M**4/S**2.

*** FULL METEOROLOGY ***

*** SCREEN AUTOMATED DISTANCES ***

*** TERRAIN HEIGHT OF 0. M ABOVE STACK BASE USED FOR FOLLOWING DISTANCES ***

DIST (M)	CONC (UG/M**3)	STAB	U10M (M/S)	USTK (M/S)	MIX HT (M)	PLUME HT (M)	SIGMA Y (M)	SIGMA Z (M)	DWASH
1.	.0000	0	.0	.0	.0	.0	.0	.0	
100.	120.6	2	1.0	1.0	320.0	14.6	24.9	10.6	NO
200.	114.7	3	1.0	1.0	320.0	14.6	29.4	14.0	NO
300.	112.0	4	1.0	1.1	320.0	14.6	28.4	12.1	NO
400.	98.72	5	1.0	1.1	5000.0	14.6	27.8	10.8	NO
500.	92.05	5	1.0	1.1	5000.0	14.6	32.7	12.8	NO
600.	84.04	6	1.0	1.2	5000.0	14.6	27.0	9.7	NO
700.	85.13	6	1.0	1.2	5000.0	14.6	30.2	10.9	NO
800.	81.74	6	1.0	1.2	5000.0	14.6	33.3	12.0	NO
900.	77.09	6	1.0	1.2	5000.0	14.6	36.4	13.0	NO
1000.	72.03	6	1.0	1.2	5000.0	14.6	39.4	14.0	NO

MAXIMUM 1-HR CONCENTRATION AT OR BEYOND 1. M:
105. 121.0 2 1.0 1.0 320.0 14.6 25.9 11.2 NO

DWASH= MEANS NO CALC MADE (CONC = 0.0)
DWASH=NO MEANS NO BUILDING DOWNWASH USED
DWASH=HS MEANS HUBER-SNYDER DOWNWASH USED
DWASH=SS MEANS SCHULMAN-SCIRE DOWNWASH USED
DWASH=NA MEANS DOWNWASH NOT APPLICABLE, X<3*LB

*** SUMMARY OF SCREEN MODEL RESULTS ***

CALCULATION PROCEDURE	MAX CONC (UG/M**3)	DIST TO MAX (M)	TERRAIN HT (M)
SIMPLE TERRAIN	121.0	105.	0.

** REMEMBER TO INCLUDE BACKGROUND CONCENTRATIONS **

GATX Terminal/Tampa

tank: 112' Ø ~ 34m

48' HT ~ 14.6m

70°F ~ 29.3°C

0.9el ~ 0m/s

A equiv. to 99' sq ~ 30.25m square

Tank about 160m from property line

APPLICATION TRACKING SYSTEM

10/04/90

APPL NO:187289

APPL RECVD:10/02/90 TYPE CODE:AC SUBCODE:1E

LAST UPDATE:10/03/90

DER OFFICE RECVD:TPA DER OFFICE TRANSFER TO:___ APPLICATION COMPLETE:___/___/___

DER PROCESSOR:ATR *McDonald*

APPL STATUS:AC DATE:10/02/90 (ACTIVE/DENIED/WITHDRAWN/EXEMPT/ISSUED/GENERAL)

RELIEF:___ (SSAC/EXEMPTIONS/VARIANCE)

(Y/N) N MANUAL TRACKING

DISTRICT:40 COUNTY:29

(Y/N) N OGC HEARING REQUESTED

LAT/LONG:27.55.01/82.26.30

(Y/N) N PUBLIC NOTICE REQD?

BASIN-SEGMENT:___-___

(Y/N) N GOV BODY LOCAL APPROVAL REQD?

COE #:_____

(Y/N) Y LETTER OF INTENT REQD? _ (I/ISSUE D/DENY)

ALT#:_____

PROJECT SOURCE NAME:TANK #80-6, 80-7

STREET:100 GATX DRIVE

CITY:TAMPA

STATE:FL ZIP:_____

PHONE:_____

APPLICATION NAME:GATX TERMINALS CORP.

STREET:100 GATX DRIVE

CITY:TAMPA

STATE:FL ZIP:33605

PHONE:_____

AGENT NAME:GATX TERMINALS CORP.

STREET:100 GATX DRIVE

CITY:TAMPA

STATE:FL ZIP:33605

PHONE:813-248-2148

FEE #1 DATE PAID:10/02/90

AMOUNT PAID:00200

RECEIPT NUMBER:00164122

B DATE APPLICANT INFORMED OF NEED FOR PUBLIC NOTICE - - - / / /
C DATE DER SENT DNR APPLICATION/SENT DNR INTENT - - - / / /
D DATE DER REQ. COMMENTS FROM GOV. BODY FOR LOCAL APP. - - - / / /
E DATE #1 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - / / /
E DATE #2 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - / / /
E DATE #3 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - / / /
E DATE #4 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - / / /
E DATE #5 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - / / /
E DATE #6 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - / / /
F DATE LAST 45 DAY LETTER WAS SENT - - - / / /
G DATE FIELD REPORT WAS REQ--REC - - - / / /
H DATE DNR REVIEW WAS COMPLETED - - - / / /
I DATE APPLICATION WAS COMPLETE - - - / / /
J DATE GOVERNING BODY PROVIDED COMMENTS OR OBJECTIONS - - - / / /
K DATE NOTICE OF INTENT WAS SENT--REC TO APPLICANT - - - / / /
L DATE PUBLIC NOTICE WAS SENT TO APPLICANT - - - / / /
M DATE PROOF OF PUBLICATION OF PUBLIC NOTICE RECEIVED - - - / / /
N WAIVER DATE BEGIN--END (DAY 90) - - - / / /

COMMENTS:

to
Send
BPDM
m

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

164122

RECEIPT FOR APPLICATION FEES AND MISCELLANEOUS REVENUE

Received from GATX Terminals Corp. Date 10/2/90
Address 100 GATX Drive Tampa Dollars 200.00
Applicant Name & Address same
Source of Revenue Link # 80-6, 80-7
Revenue Code 1031 Application Number AC29-187289
ck 408 By Alvin King

To Willard
Date 12-11 Time 4:32

WHILE YOU WERE OUT
M ELAINE MACINSKI
of GATX
Phone 813-241-1125
Area Code Number Extension

<input type="checkbox"/>	TELEPHONED	<input type="checkbox"/>	PLEASE CALL
<input type="checkbox"/>	CALLED TO SEE YOU	<input type="checkbox"/>	WILL CALL AGAIN
<input type="checkbox"/>	WANTS TO SEE YOU	<input type="checkbox"/>	URGENT
<input type="checkbox"/>	RETURNED YOUR CALL		

Message _____

Pat
Operator

DEPARTMENT OF ENVIRONMENTAL REGULATION

ROUTING AND TRANSMITTAL SLIP		ACTION NO	ACTION DUE DATE
1. TO: (NAME, OFFICE, LOCATION)	Initial		
<i>Bureau / Air Quality</i>	Date		
2.	Initial		
<i>Management</i>	Date		
3.	Initial		
4.	Date		
<div> <div>REMARKS:</div> <div> <div>RECEIVED</div> <div>OCT 8 1990</div> <div>DER-BAQM</div> </div> </div>			
<div> <div>INFORMATION</div> <div> <div>Review & Return</div> <div>Review & File</div> <div>Initial & Forward</div> </div> </div>			
<div> <div>DISPOSITION</div> <div> <div>Review & Respond</div> <div>Prepare Response</div> <div>For My Signature</div> <div>For Your Signature</div> <div>Let's Discuss</div> <div>Set Up Meeting</div> <div>Investigate & Report</div> <div>Initial & Forward</div> <div>Distribute</div> <div>Concurrence</div> <div>For Processing</div> <div>Initial & Return</div> </div> </div>			
FROM:			DATE
			PHONE

TO: Alvina Krug

FROM: Harry Kerns

DATE: October 2, 90

SUBJECT: Air Permit Application GATX Terminals Corp.
Construction of 2 Petroleum Storage Tanks

Fee submitted is: correct (X), incorrect ()
 Correct fee should be \$ _____

Sub Type 00

Comments: _____

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

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



AC29-187289

BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Two (2) petroleum storage tanks ☒ New ☐ Existing

APPLICATION TYPE: ☒ Construction ☐ Operation ☐ Modification

COMPANY NAME: GATX Terminals Corporation COUNTY: Hillsborough

Identify the specific emission point source(s) addressed in this application (i.e. Lime

Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired) Tank Nos. 80-6, 80-7

SOURCE LOCATION: Street 100 GATX Drive City Tampa

UTM: East 17-358.0 km North 3088.7 km

Latitude 27° 55' 01" N Longitude 82° 26' 30" 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 GATX Terminals 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

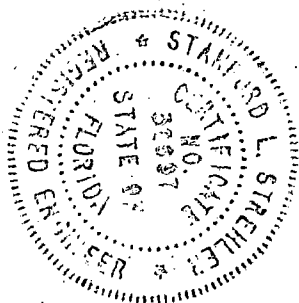
See Florida Administrative Code Rule 17-2.100(57) and (104)

D. E. R.

OCT - 2 1990

SOUTHWEST DISTRICT
TAMPA

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

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: 9-9-90 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 phased construction over 5 yrs

- 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 on 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 permits.

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

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

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

2. Does best available control technology (BACT) apply to this source?
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 justifi-
cation for any answer of "No" that might be considered questionable.

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

A. Raw Materials and Chemicals Used in your Process, if applicable: 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 of 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 ¹		Allowed ² Emission Rate per Rule 17-2	Allowable ³ Emission lbs/hr	Potential ⁴ Emission		Relate to Flow Diagram
	Maximum lbs/hr	Actual T/yr			lbs/yr	T/yr	
VOC's		3.6	N/A	N/A		3.6	N/A

¹See Section V, Item 2.

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

³Calculated from operating rate and applicable standard.

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

- a. Emission shown is total for two (2) tanks. See calculations for individual 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 w/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):

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

Description of Waste _____

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

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

Manufacturer _____

Date Constructed _____ Model No. _____

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

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

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

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

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

Brief description of operating characteristics of control devices: _____

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

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

SECTION V: SUPPLEMENTAL REQUIREMENTS

Please provide the following supplements where required for this application.

1. Total process input rate and product weight -- show derivation [Rule 17-2.100(127)]
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).
6.
see calculations.
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.

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: ¹	d. Capital Cost:
e. Useful Life:	f. Operating Cost:
g. Energy: ²	h. Maintenance Cost:
i. Availability of construction materials and process chemicals:	
j. Applicability to manufacturing processes:	
k. Ability to construct with control device, install in available space, and operate within proposed levels:	

2.

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

¹Explain method of determining efficiency.

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

j. Applicability to manufacturing processes:

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

3.

a. Control Device:

b. Operating Principles:

c. Efficiency:¹

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:²

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

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

4.

a. Control Device:

b. Operating Principles:

c. Efficiency:¹

d. Capital Costs:

e. Useful Life:

f. Operating Cost:

g. Energy:²

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

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

F. Describe the control technology selected:

1. Control Device:

2. Efficiency:¹

3. Capital Cost:

4. Useful Life:

5. Operating Cost:

6. Energy:²

7. Maintenance Cost:

8. Manufacturer:

9. Other locations where employed on similar processes:

a. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

*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:¹

Contaminant

Rate or Concentration

(8) Process Rate:¹

b. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:¹

Contaminant

Rate or Concentration

(8) Process Rate:¹

10. Reason for selection and description of systems:

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

SECTION VII - PREVENTION OF SIGNIFICANT DETERIORATION N/A

A. Company Monitored Data

1. _____ no. sites _____ TSP _____ () SO₂* _____ Wind spd/dir _____

Period of Monitoring _____ / _____ / _____ to _____ / _____ / _____
month day year month day year

Other data recorded _____

Attach all data or statistical summaries to this application.

Specify bubbler (B) or continuous (C).

2. Instrumentation, Field and Laboratory

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

B. Meteorological Data Used for Air Quality Modeling

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

C. Computer Models Used

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

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

D. Applicants Maximum Allowable Emission Data

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

E. Emission Data Used in Modeling

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

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

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

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



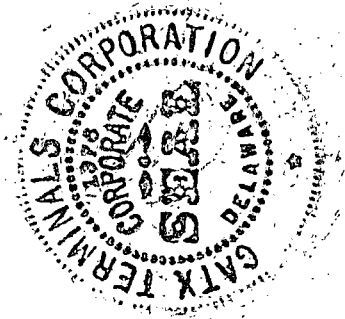
CERTIFICATE

I, Roger C. Swift, Vice President, Southern Region of GATX Terminals 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, GATX Terminals 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 C. Swift, Vice President
GATX Terminals Corporation

In witness whereof I have here unto set my hand and seal of GATX Terminals Corporation this 25 day of January, 1990.

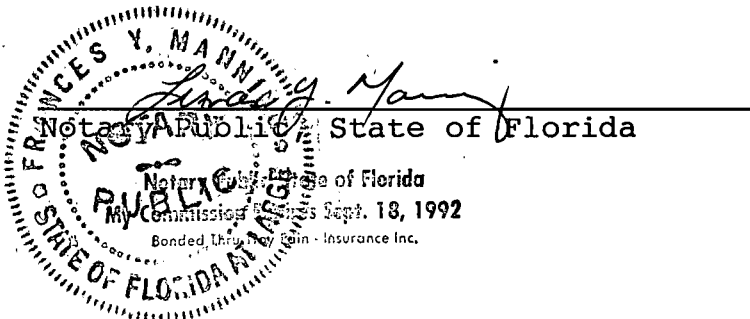
Tom Rigg, Florida Operations Manager
GATX Terminals Corporation

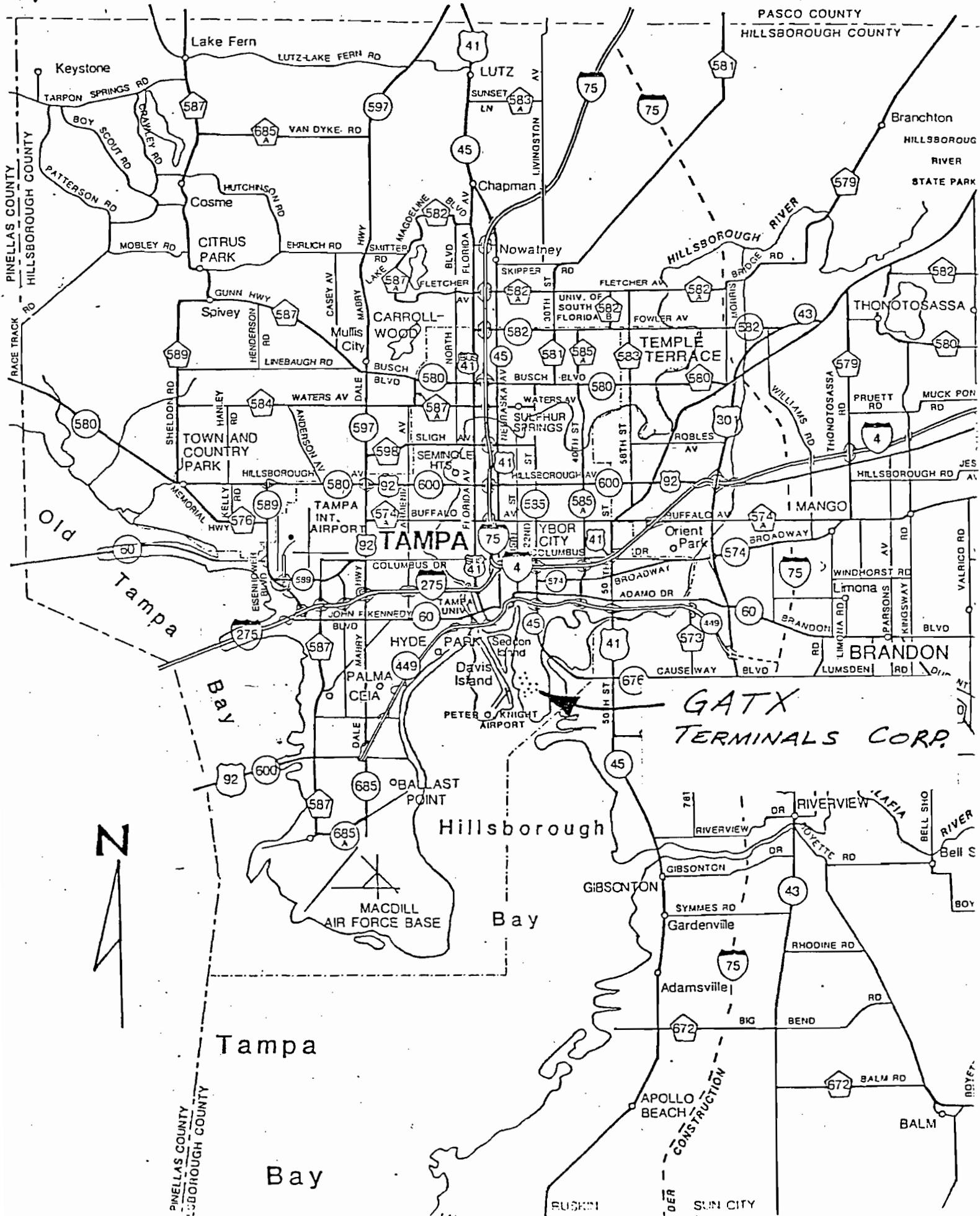


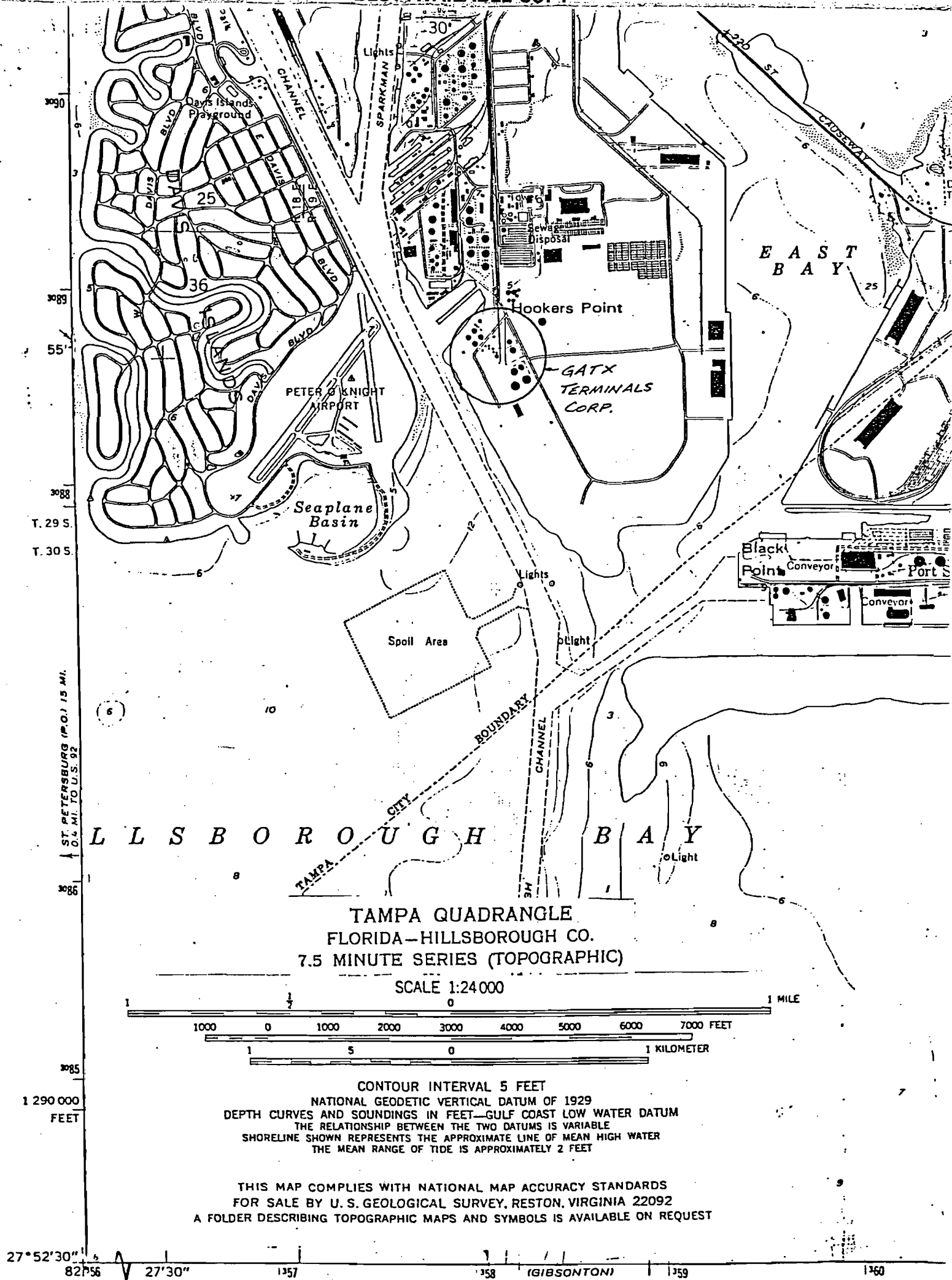
STATE OF FLORIDA
COUNTY OF HILLSBOROUGH

I, 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

25th day of JANUARY, A.D. 1990.

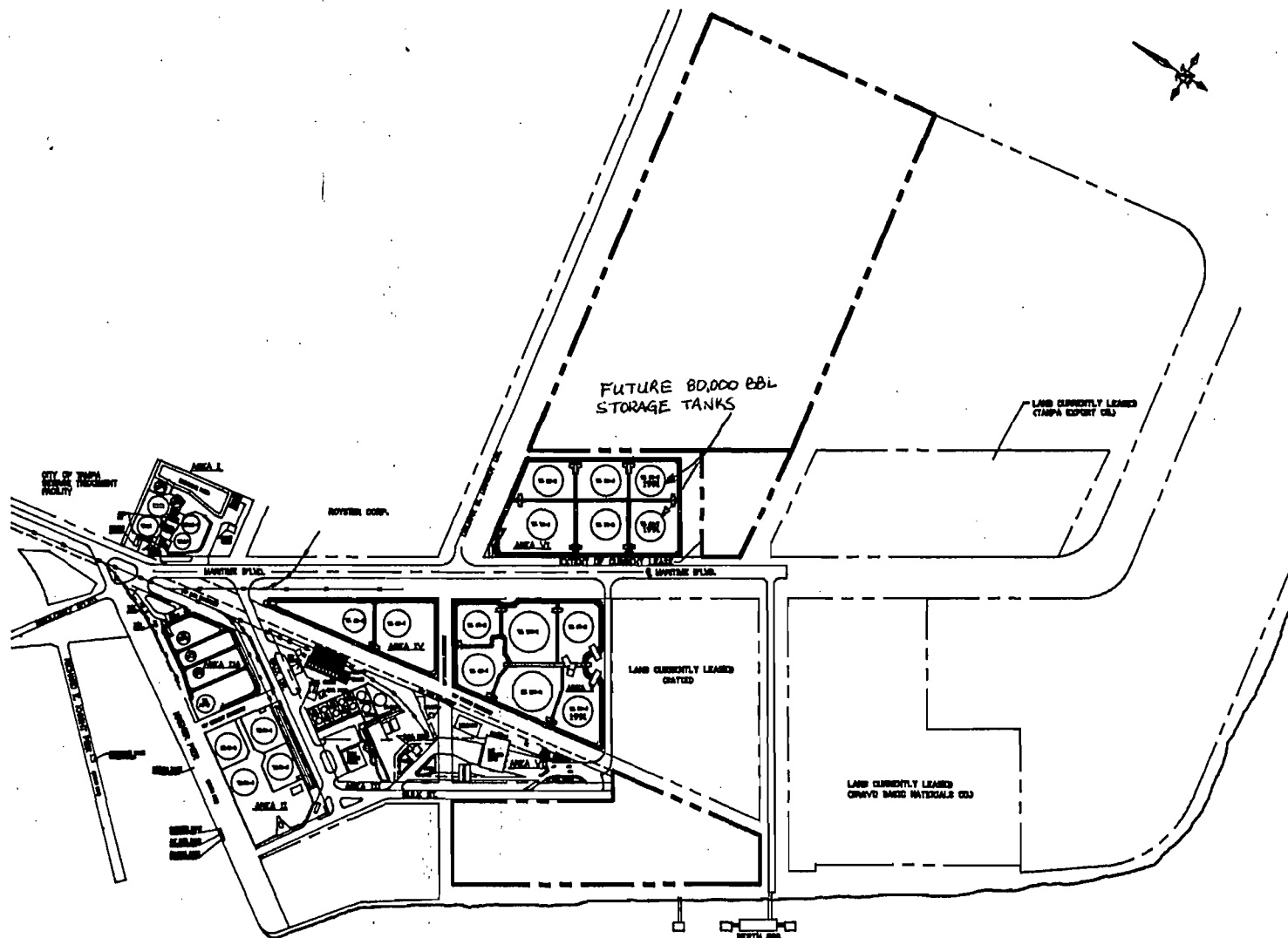






TANKS

NO.	SIZE	CAPACITY	PRODUCT
10	80'X320' C.R.	18,000 BBL.	CAUSTIC SODA
10-1	40'X240' C.R.	10,000 BBL.	PHOSPHORIC ACID
10-2	44'X237' C.R.	10,000 BBL.	CAUSTIC SODA
10-3	40'X240' C.R.	10,000 BBL.	EMPTY
10-4	40'X240' C.R.	10,000 BBL.	EMPTY
11	78'X237' C.R.	20,000 BBL.	PHOSPHORIC ACID
12	78'X237' C.R.	20,000 BBL.	PHOSPHORIC ACID
15-1	48'X240' C.R.	15,000 BBL.	SPRAY OIL
25-1	87'X240' C.R.	25,000 BBL.	CAUSTIC SODA
25-2	87'X240' C.R.	25,000 BBL.	CAUSTIC SODA
40-1	88'X240' L.F.R.	45,000 BBL.	U/L 80
43-1	87'X232' C.R.	43,000 BBL.	JET FUEL
43-2	87'X232' C.R.	43,000 BBL.	JET FUEL
43-3	87'X232' C.R.	43,000 BBL.	JET FUEL
43-4	87'X232' C.R.	43,000 BBL.	JET FUEL
85-1	100'X240' L.F.R.	85,000 BBL.	U/L 87
85-2	100'X240' L.F.R.	85,000 BBL.	RED.
70-1	112'X240' C.R.	70,000 BBL.	JET FUEL
70-2	112'X240' C.R.	70,000 BBL.	DIBENZ.
80-1	120'X240' L.F.R.	80,000 BBL.	PROD. 83
80-2	112'X240' L.F.R.	80,000 BBL.	DIBENZ.
80-3	112'X240' L.F.R.	80,000 BBL.	PROD. 83
80-4	112'X240' L.F.R.	80,000 BBL.	87 U/L
80-5	112'X240' L.F.R.	80,000 BBL.	
80-6	112'X240' L.F.R.	80,000 BBL.	
80-7	112'X240' L.F.R.	80,000 BBL.	
101	10'-6"X331' HORIZ.	30,000 Gals.	BUTYL CELLULOSE
102	10'-6"X331' HORIZ.	30,000 Gals.	ACETONE
103	10'-6"X331' HORIZ.	30,000 Gals.	SPRINK. SOLVENT PM 3004
104	10'-6"X331' HORIZ.	30,000 Gals.	METHYL. ISOBUTYL. KETONE
105	10'-6"X331' HORIZ.	30,000 Gals.	ANHYDRO. SOLVENT PM 4004
106A		7,000 Gals.	EMPTY
106B	10'-6"X331' HORIZ.	8,000 Gals.	PROPYL. ACETATE
106C		8,000 Gals.	ISOBUTYL. ACETATE
107A		7,000 Gals.	BUTYL. ACETATE
107B	10'-6"X331' HORIZ.	8,000 Gals.	ETHYLENE GLYCOL
107C		8,000 Gals.	"LOW" THERMOGR. PM 614
108A		7,000 Gals.	BUTANOL
108B	10'-6"X331' HORIZ.	8,000 Gals.	METH. THERMOGR. KUNDFONT
108C		8,000 Gals.	CELLULOSE ACETATE
108A		7,000 Gals.	PROPYLENE GLYCOL
108B	10'-6"X331' HORIZ.	8,000 Gals.	PROPANOL. 80% GRADE
108C		8,000 Gals.	EMPTY
120-1	150'X240' L.F.R.	120,000 BBL.	PROD. 82
120-2	150'X240' L.F.R.	120,000 BBL.	U/L 87
201	24'X331' C.R.	2,800 BBL.	EMPTY
202	24'X331' C.R.	2,800 BBL.	ISOPROPANOL. ANHYDROUS 99%
203	24'X331' C.R.	2,800 BBL.	EMPTY
204	24'X331' C.R.	2,800 BBL.	ISOPROPANOL. ANHYDROUS 99%
205	24'X331' C.R.	2,800 BBL.	EMPTY
201	24'X331' C.R.	2,800 BBL.	METHANOL
202	24'X331' C.R.	2,800 BBL.	METHANOL
280	12'X336' C.R.	35,000 Gals.	ISOPROPANOL. ANHYDROUS 99%
281	12'X336' C.R.	35,000 Gals.	METHYL. ETHYL. KETONE
401	48'-6"X332' C.R.	10,000 BBL.	METHANOL



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FILE NO. CFPL/DOC
 FILE NO. T718X11A
 SCALE 1"=1'
 DATE N/A
 DRAWN BY RTN
 DATE 8/17/90
 SCALE N.T.S.

GATX GATX TERMINALS CORPORATION
 TAMPA TERMINAL

GENERAL ARRANGEMENT - PLOT PLAN

DRAWING NO. REVISION NO.

SECTION II

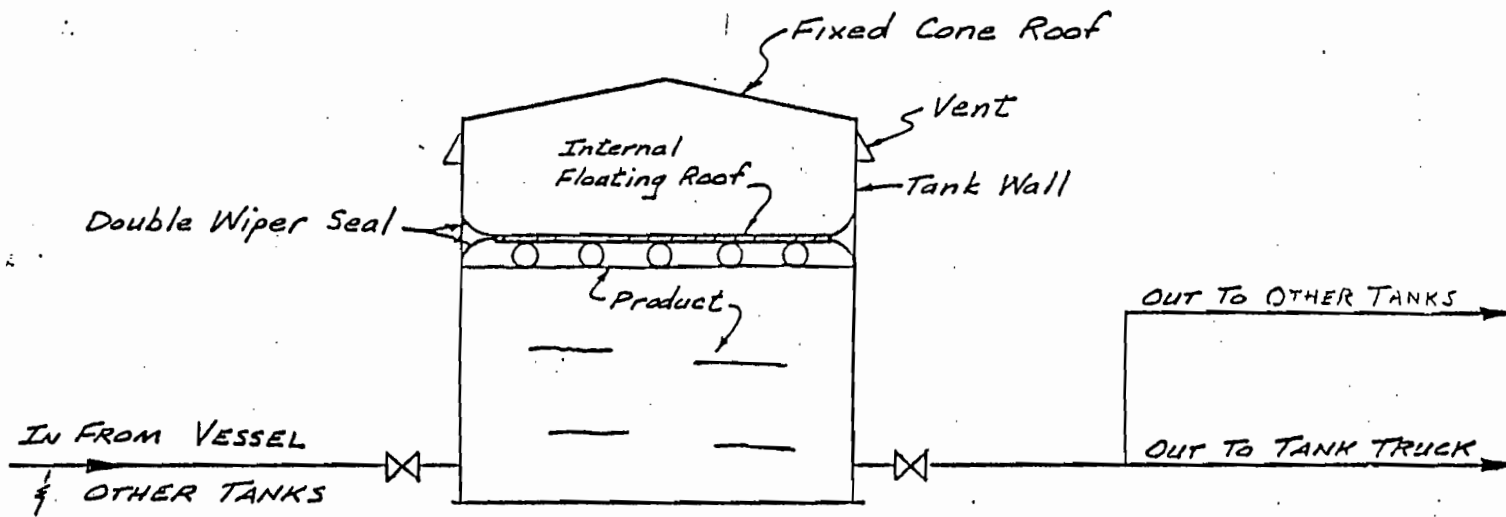
GENERAL PROJECT INFORMATION

QUESTION A:

GATX Terminals Corporation proposes to construct two (2) 80,000 Bbl cone roof gasoline storage tanks. The new tanks shall be equipped with an internal floating roof with a double wiper seal.

These tanks 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 two (2) tanks under the existing terminal tankage permit by amendment.



FLOW DIAGRAM

TNK. 80-6

4/18/88
DOT

Air Emission Calculations

Tank No. 80-6 (all other tanks have identical calculations)

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)

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

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

$$M_V = 66$$

$$K_C = 1.0$$

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

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

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

Deck Fittings

K_F (K_F)

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 $Q = 1,860,000$ Bbl Actual
 $Q = 1,860,000$ Bbl Potential
 $C = 0.0015$
 $N_C = 7, R_C = 1.0, W_L = 5.6$

Actual:

$$L_W = \frac{(0.943)(1,860,000)(0.0015)(5.6)}{112} \left[1 + \frac{7}{112} \right] = 139.8 \text{ lbs/yr} = 0.07 \text{ tons/yr.}$$

Potential:

$$L_W = \frac{(0.943)(1,860,000)(0.0015)(5.6)}{112} \left[1 + \frac{7}{112} \right] = 139.8 \text{ lbs/yr} = 0.07 \text{ tons/yr.}$$

Total Losses, L_T

Actual: $L_T = 0 + 1057.9 + 2402.4 + 139.8 = 3,600.1 \text{ lbs/yr.} = 1.8 \text{ TPY}$

Potential: $L_T = 0 + 1057.9 + 2402.4 + 139.8 = 3,600.1 \text{ lbs/yr.} = 1.8 \text{ TPY}$

SUMMARY OF EMISSIONS

Tank	Total (Tons/Yr)	
	Actual	Potential
80-6	1.8	1.8
80-7	1.8	1.8
Total	3.6	3.6

Mayflower

VAPOR SEAL CORPORATION

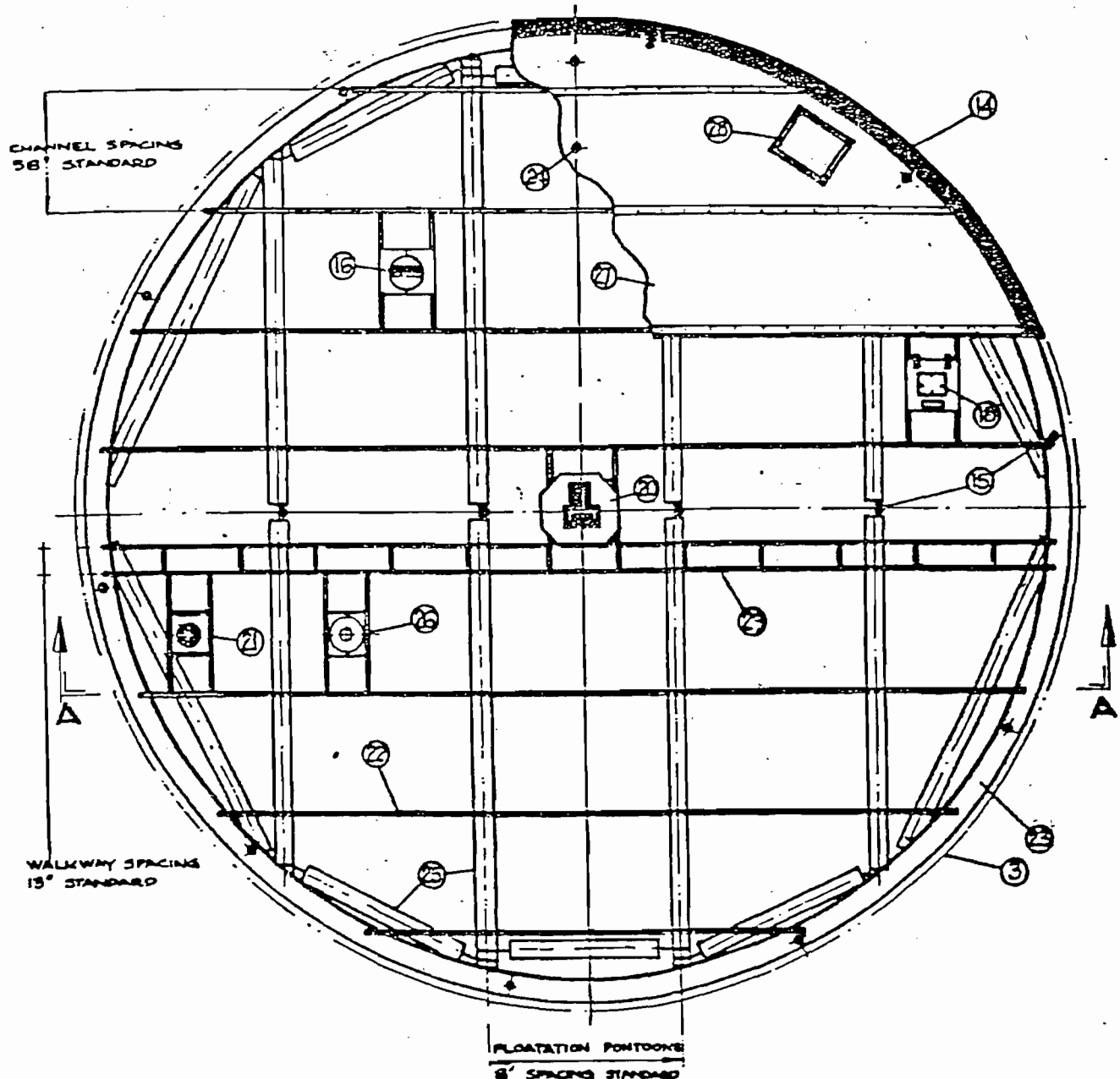
DESIGN DETAILS
MAYFLOWER VAPOR SEAL
PARTS & ACCESSORIES

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

MAYFLOWER VAPOR SEAL
TYPICAL PLAN VIEW OF 40 FT. DIA.

BEST AVAILABLE COPY

DWG.NO. MVS 100-1276

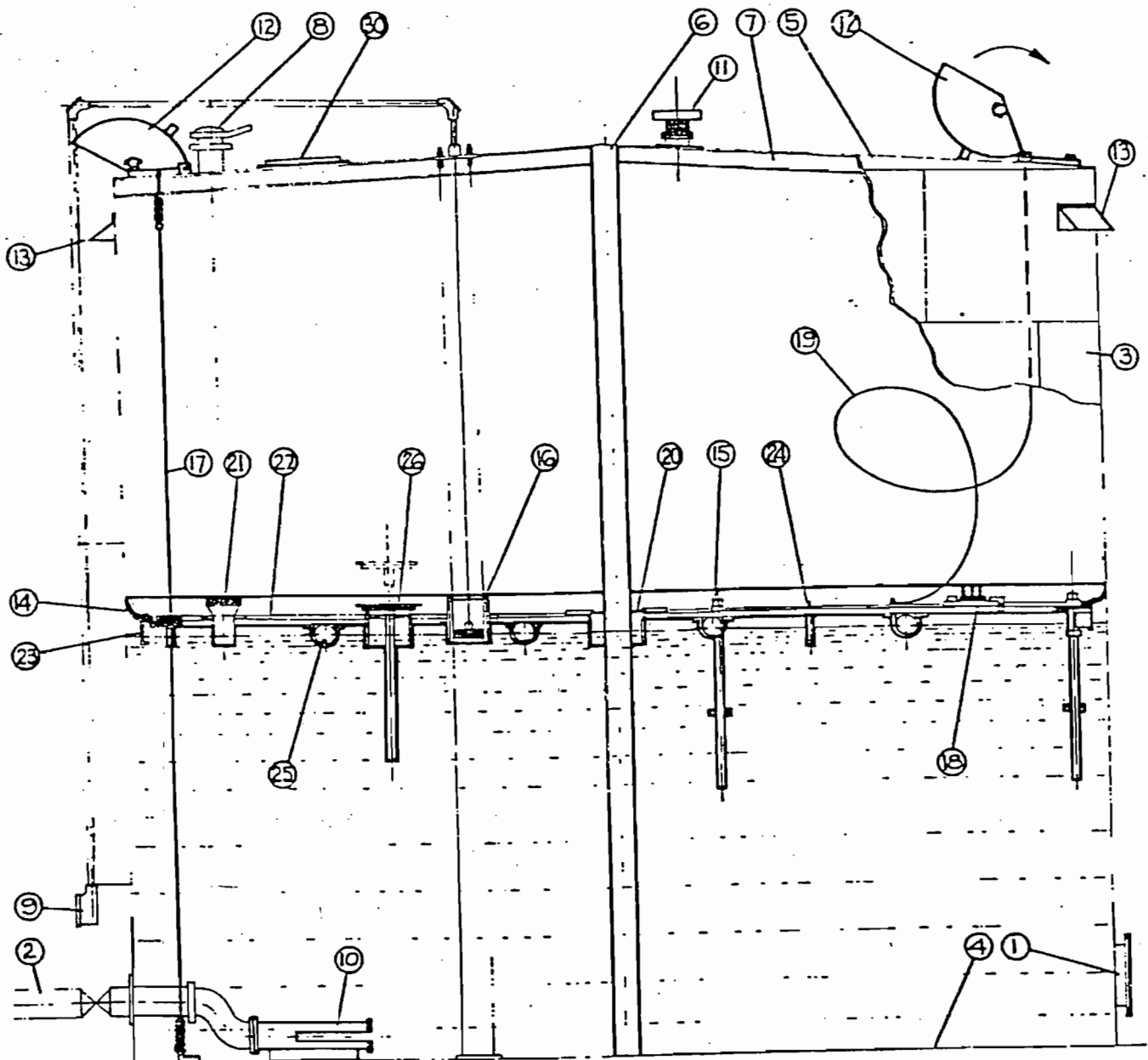


③	TANK SHELL		②③	PERIMETER SEGMENTS	P.3
⑭	PERIPHERAL WIPER SEAL	P.7	②④	DRAIN PIPES	P.6
⑮	TOP ADJUSTABLE LEGS	P.3	②⑤	FLOATATION PONTOONS	P.3
⑮	FLOAT-CELL ASSEMBLY	P.9	②⑥	BLEEDER VENT ASSEMBLY	P.11
⑮	HATCHWAY-PRESSURE/VACUUM RELIEF	P.6	②⑦	SHEETING	P.5
②①	COLUMN SEAL ASSEMBLY	P.8	②⑧	LADDER PAD	P.13
②①	SAMPLING FURCEL ASSEMBLY	P.10	②⑨	WALKWAY	P.1
②②	TRAILERS	P.2			

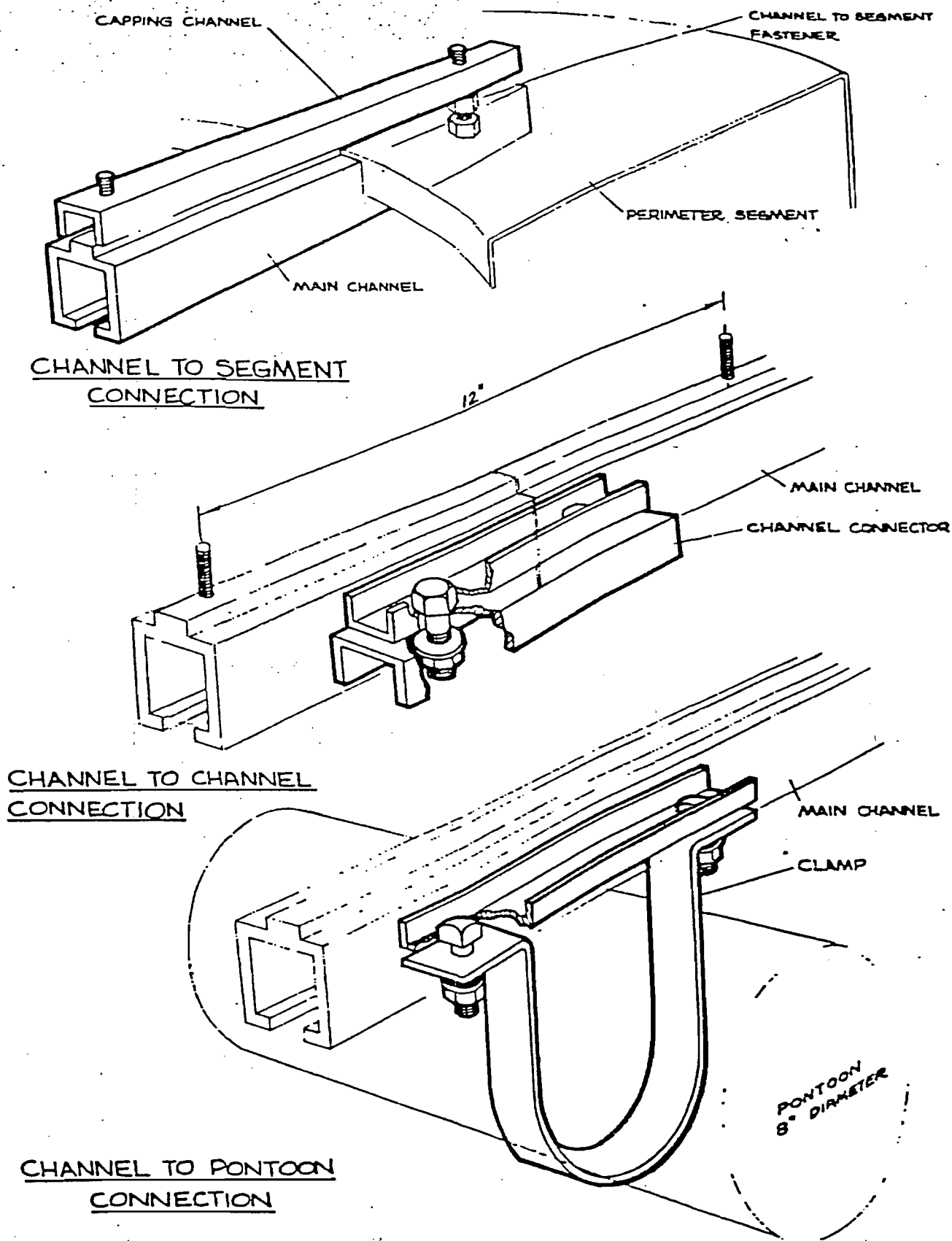
REFER TO PAGE 2 FOR SECTION A - A

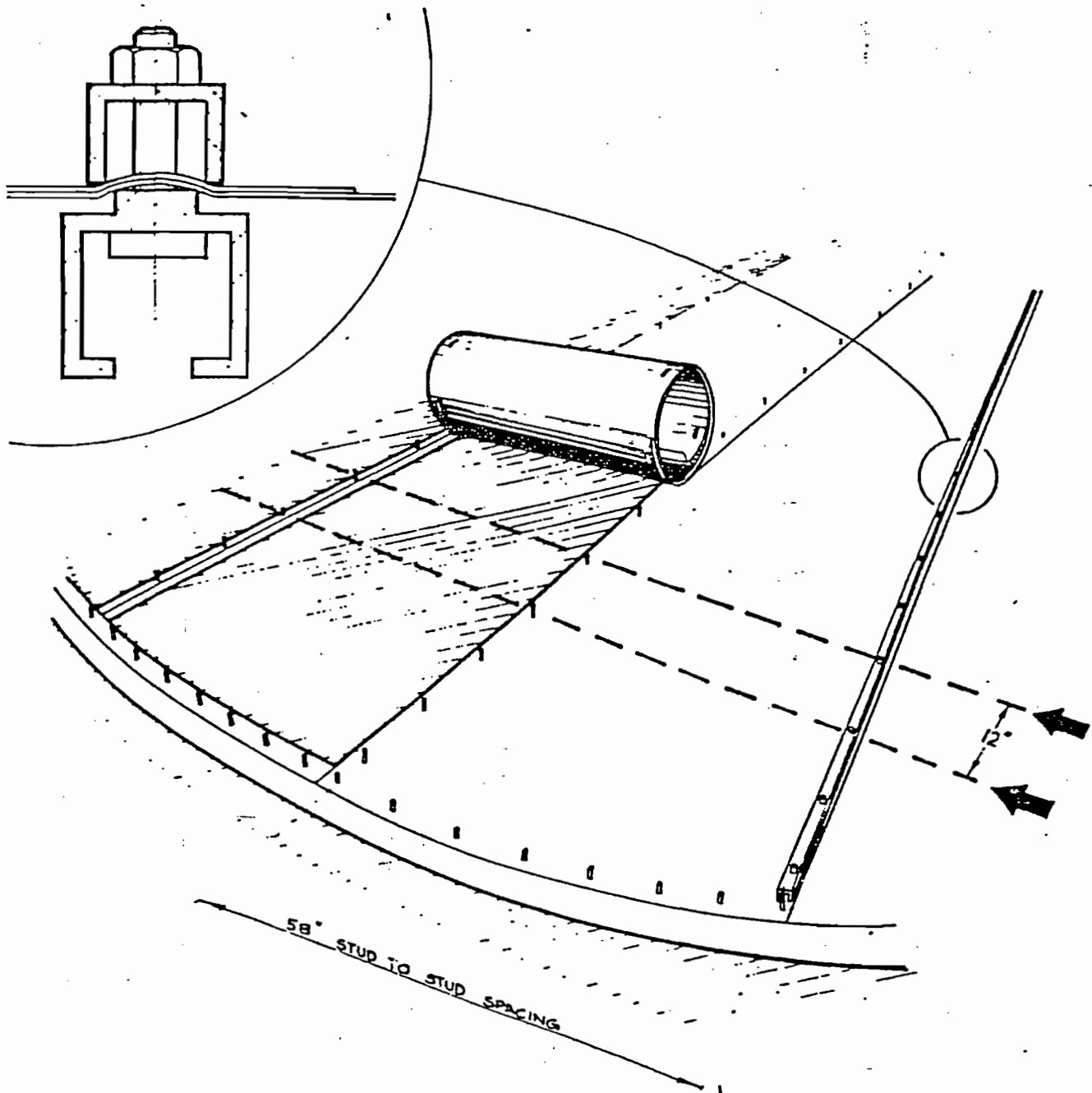
MAYFLOWER VAPOR SEAL
TYPICAL ELEVATION VIEW OF 40 FT. DIA.
SECTION A - A

VG.NO. MVS 101-1276



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

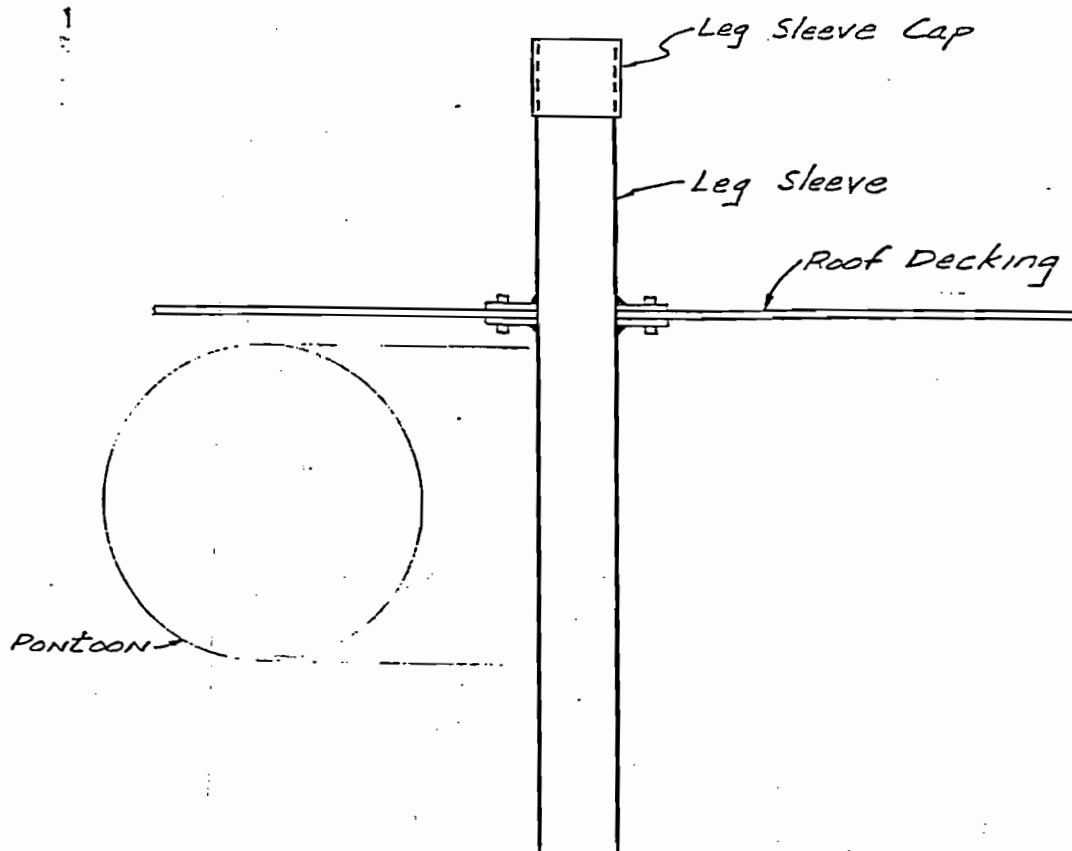




CENTRING OF CHANNELS (58") AND ACCURATE BOLT
ALIGNMENT (12") ACROSS ENTIRE SURFACE OF DECK
IS MOST IMPORTANT TO PERMIT QUICK INSTALLATION
OF THE SHEETING

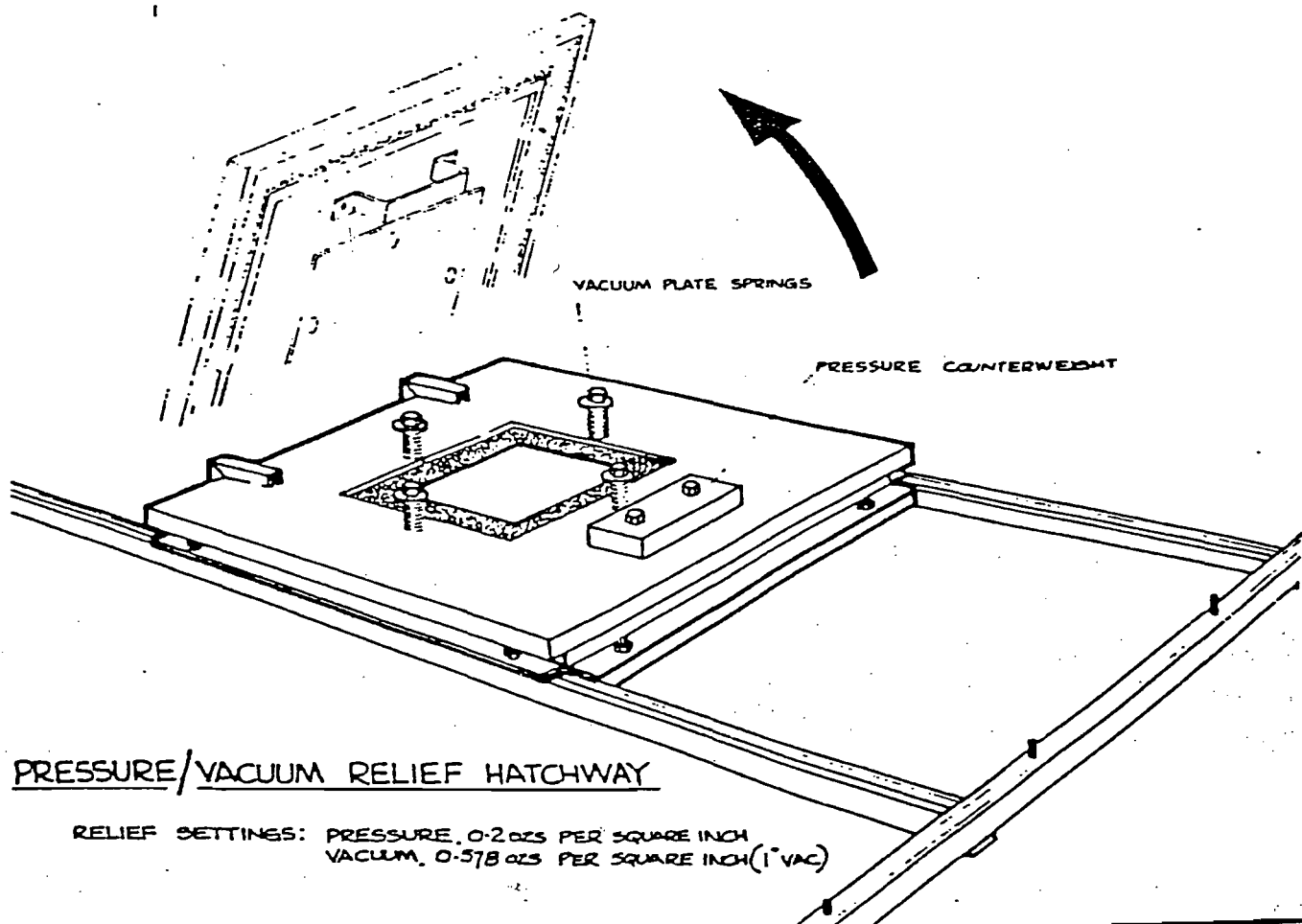
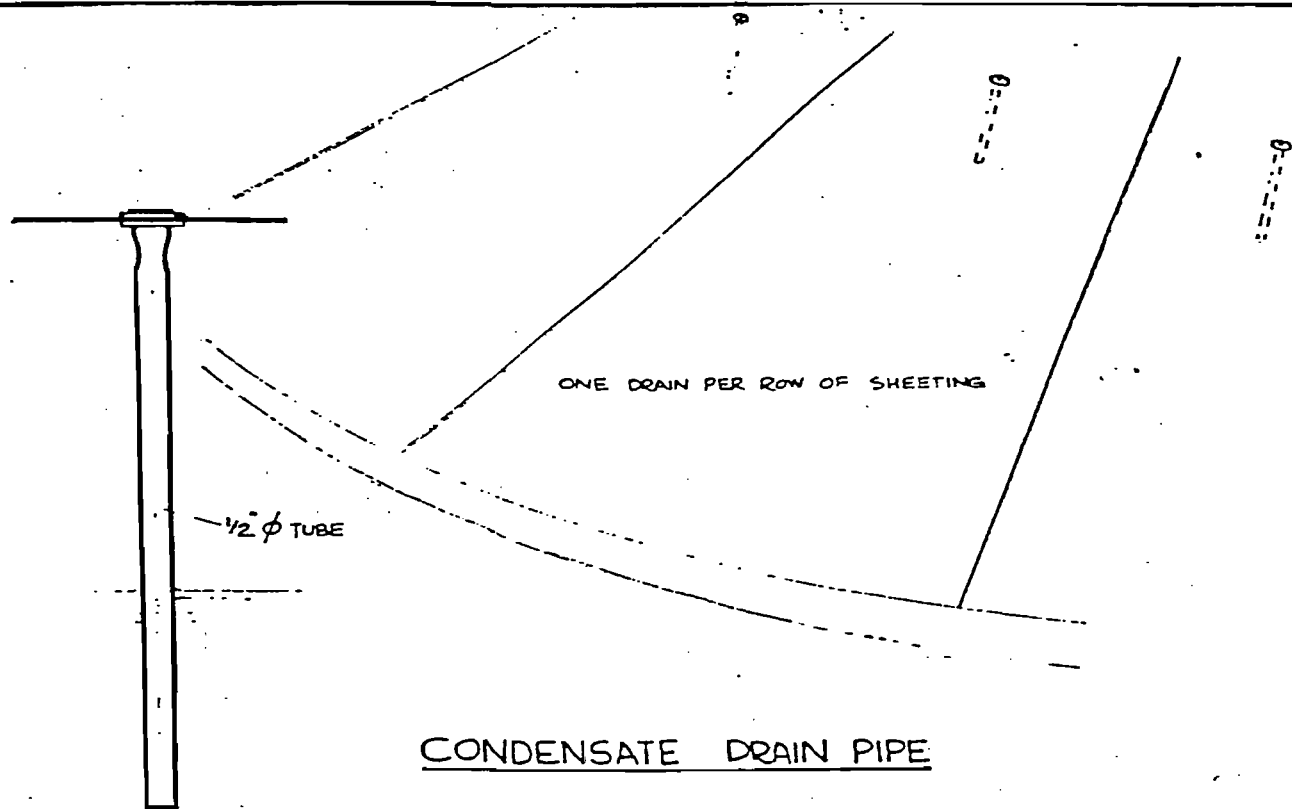
SHEETING & CHANNELS

14-588 750 SHEETS 5 SQUARE
NATIONAL

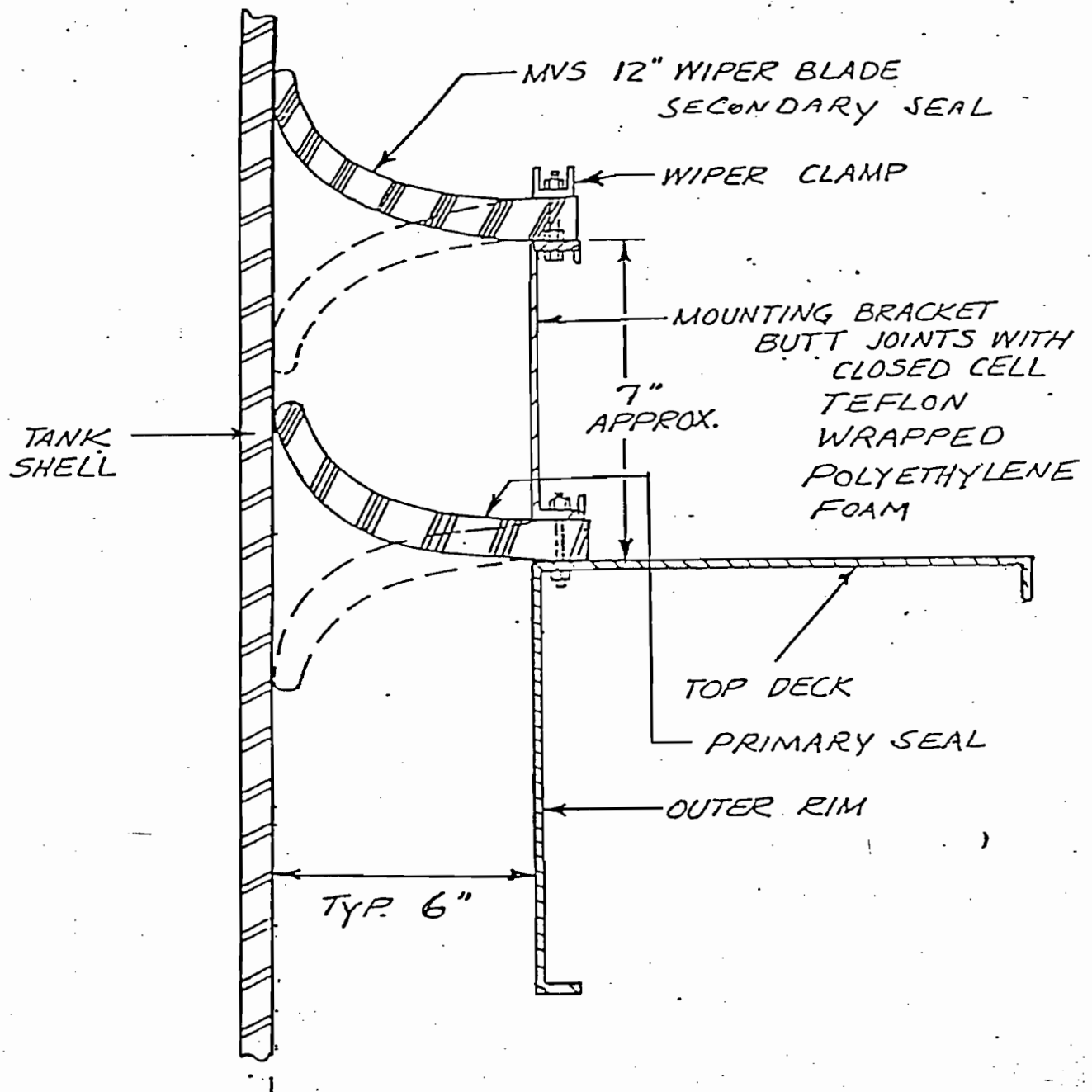


ROOF LEG SUPPORT

4/18/88
DOT



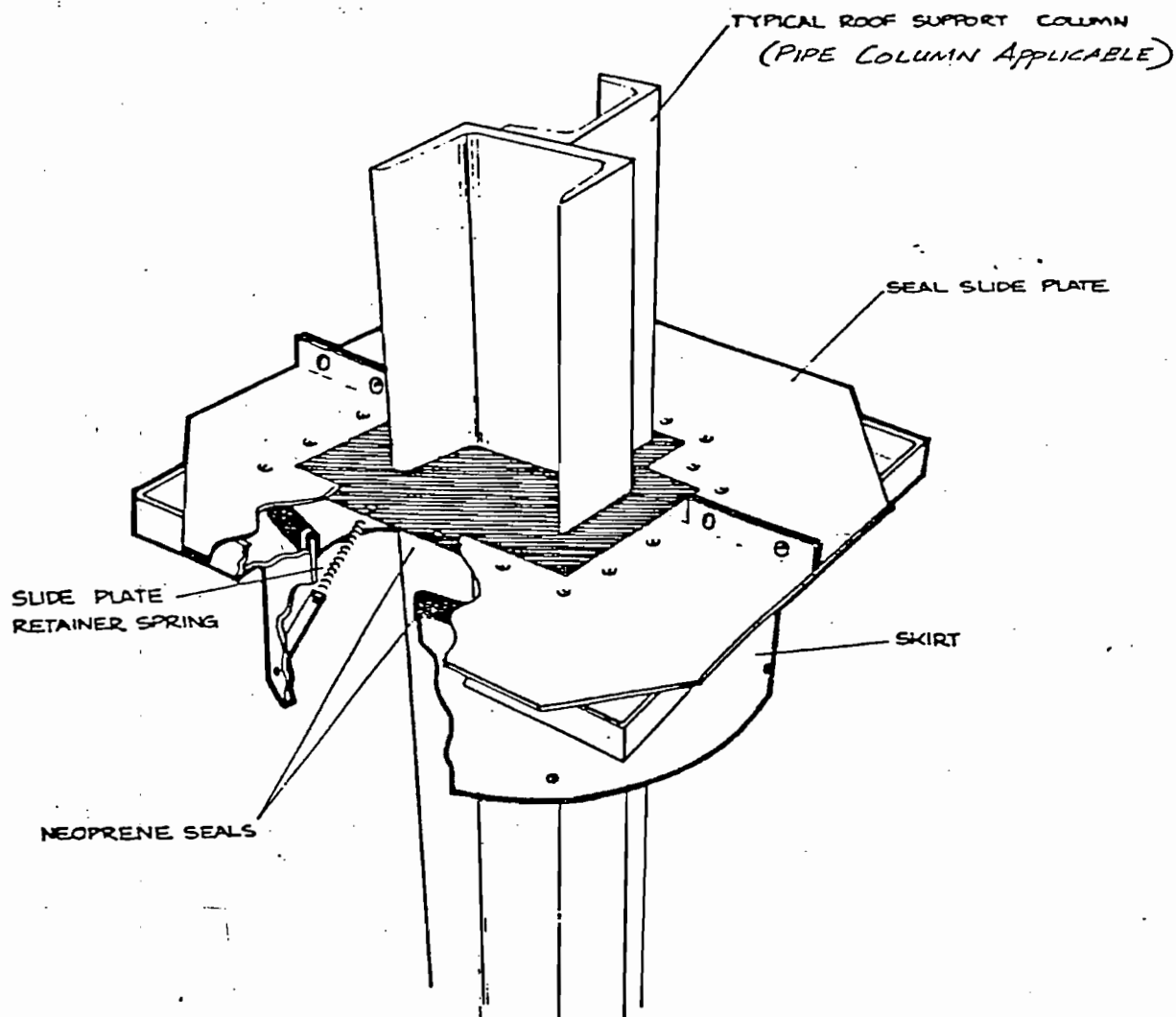
MAYFLOWER SECONDARY RIM SEAL



MAYFLOWER VAPOR SEAL CORP

DATE
6/22/84

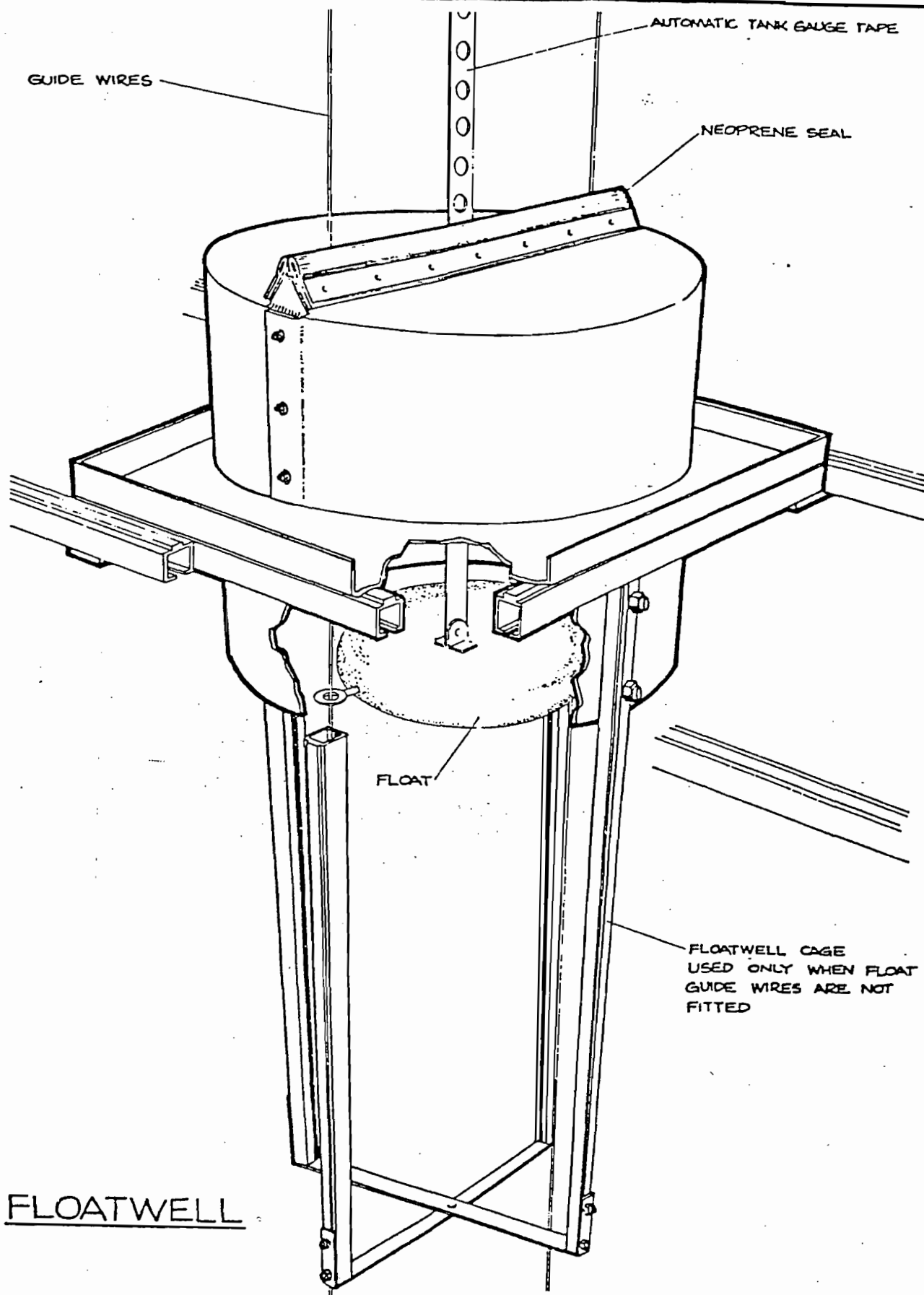
Dwg. No.
5942



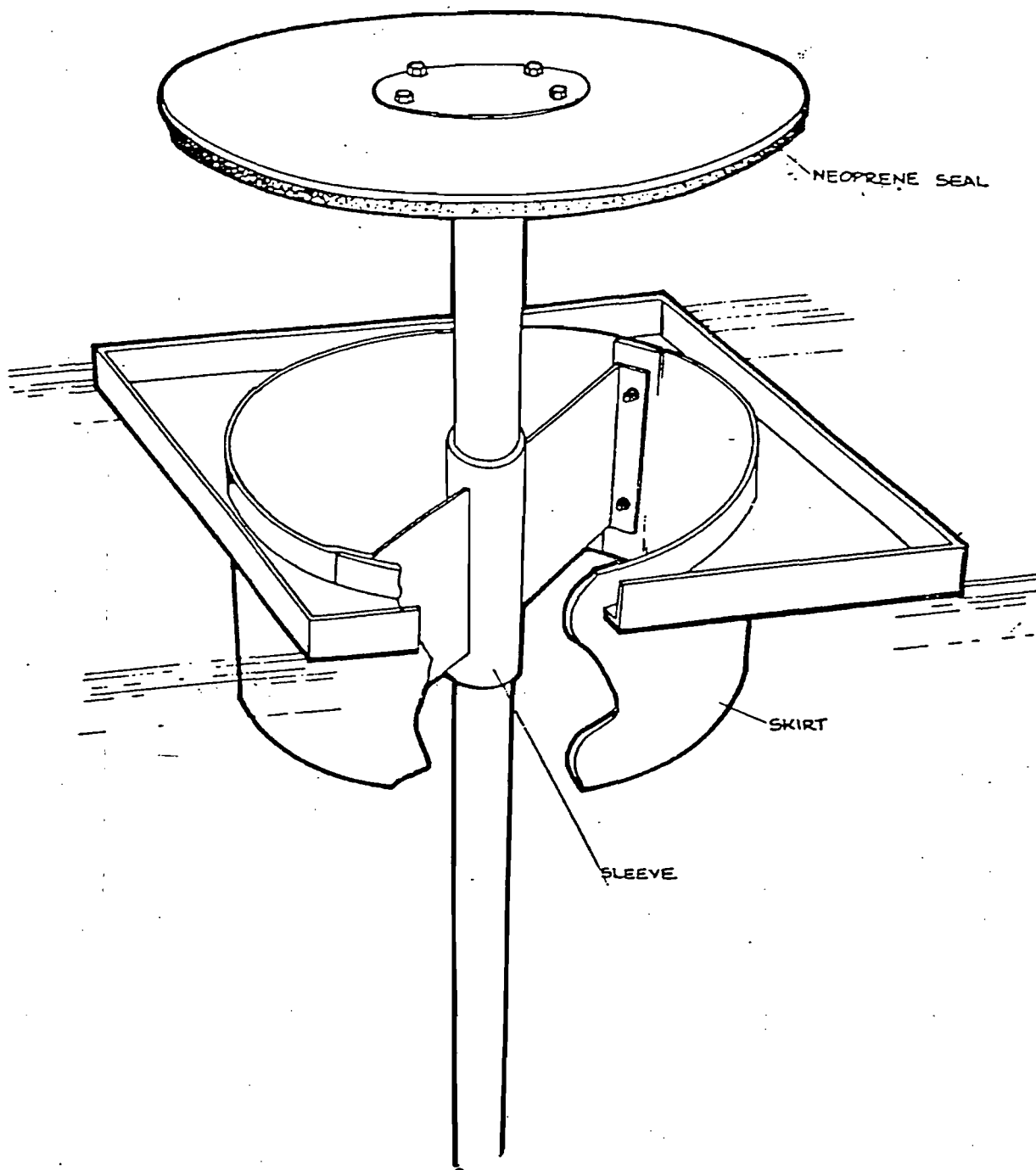
THE NOMINAL COLUMN SIZE IS THE MAXIMUM CROSS SECTION DIMENSION OF THE COLUMN CONFIGURATION, THE SKIRT DIAMETER BEING 12" GREATER.

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"	"

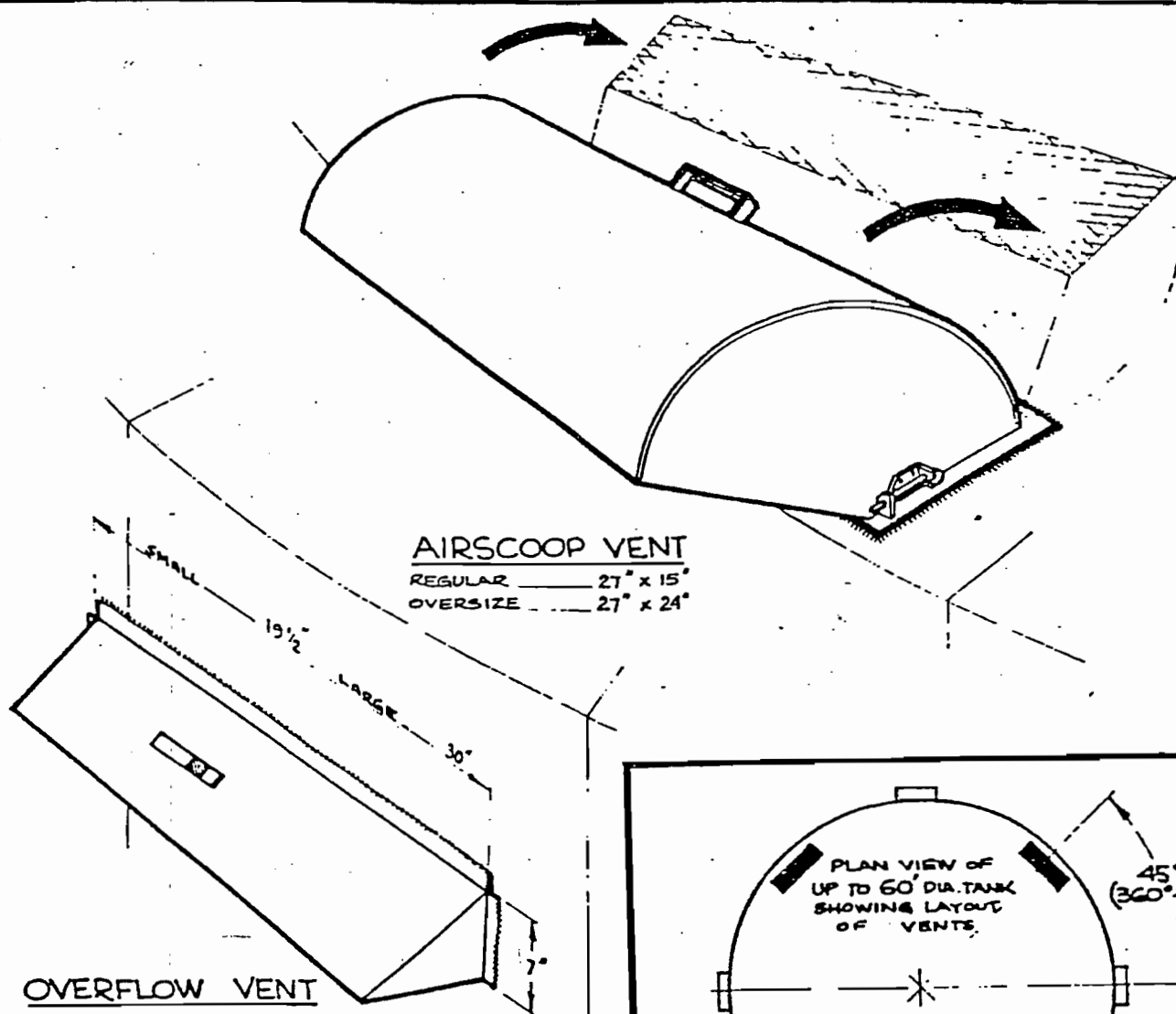
COLUMN SEAL



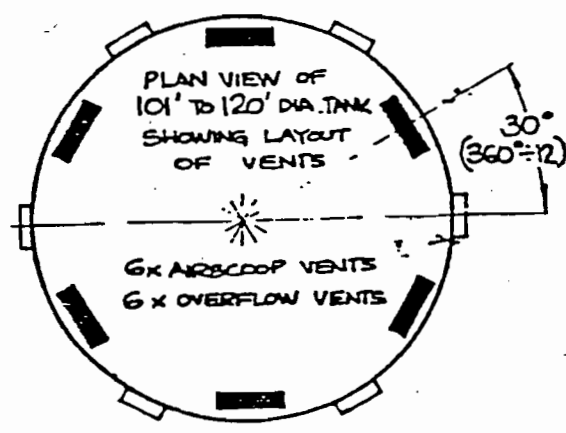
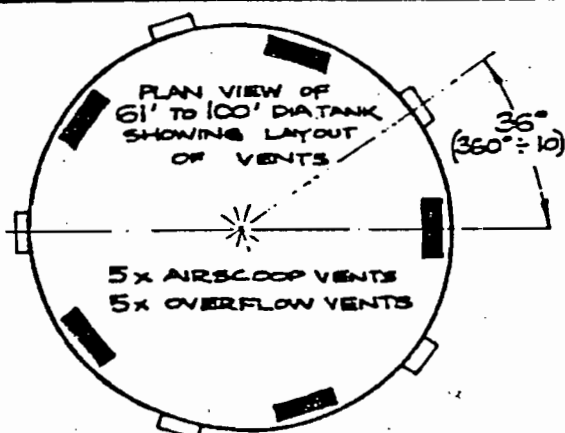
FLOATWELL

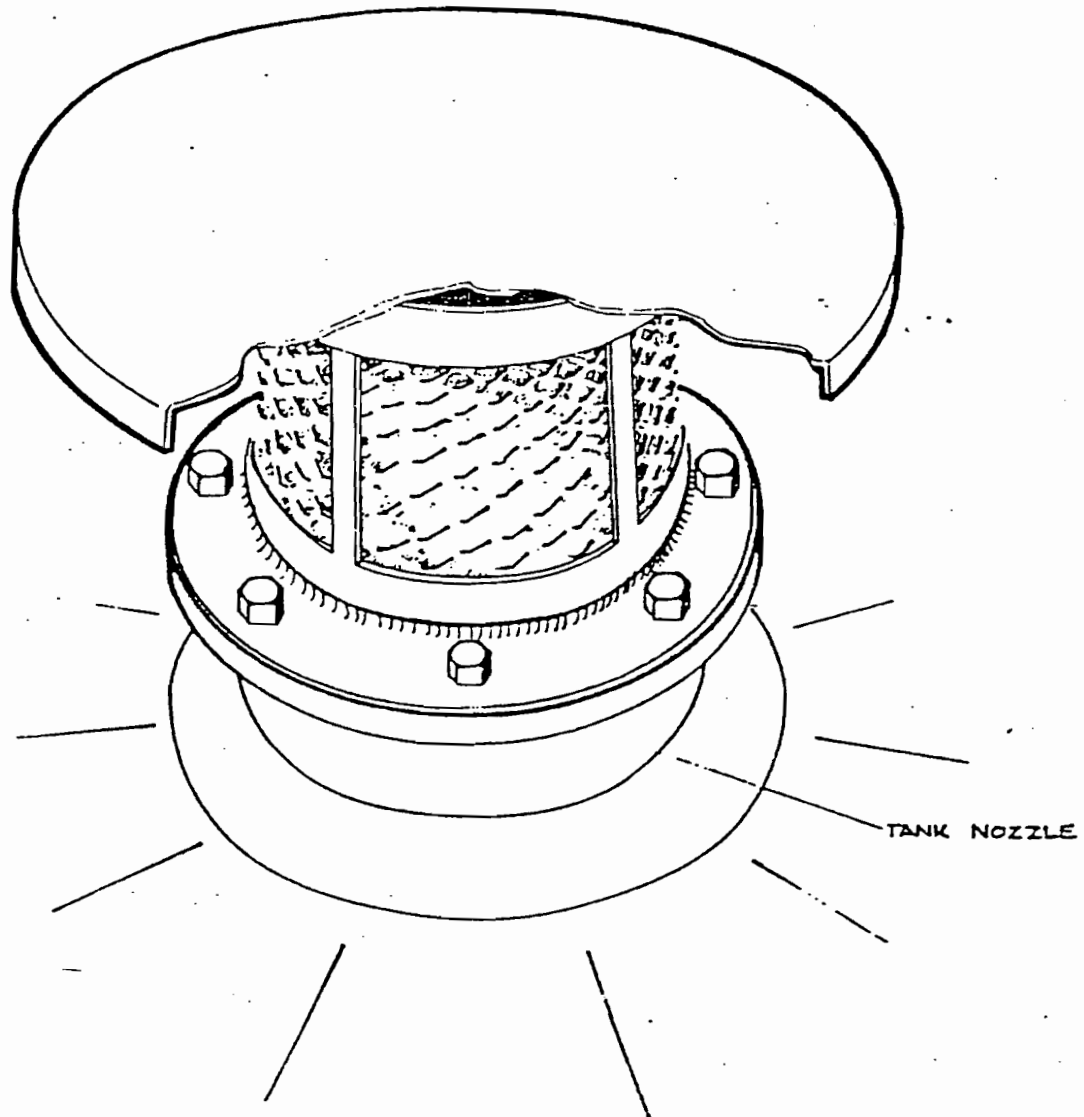


BLEEDER VENT



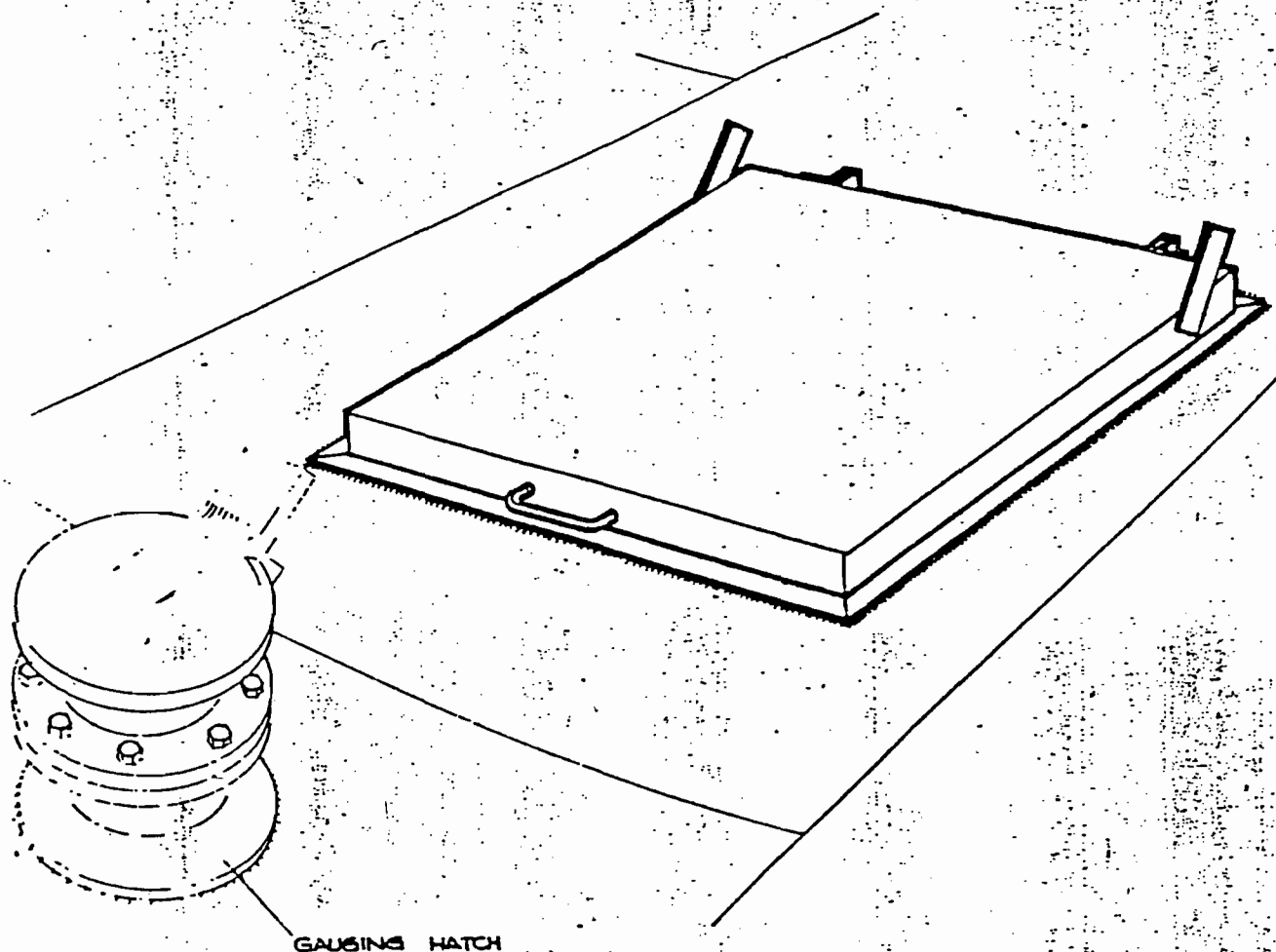
USE ONE OVERSIZE AIRSCOOP VENT ON EACH TANK FOR PERSONNEL ACCESS.
USE SMALL OVERFLOW VENTS ON TANK DIAMETERS UP TO 50' AND LARGE OVERFLOW VENTS THEREAFTER.





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



ROOF MANWAY