

Check Sheet

Company Name: *Finia Oil & Chemical Co*

Permit Number: *AL 06 - 178520*

PSD Number:

County: *Broward*

Permit Engineer:

Others involved:

Application:

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

Intent:

- Intent to Issue
- Notice to Public
- Technical Evaluation
- BACT Determination
- Unsigned Permit
- Correspondence with:
 - EPA
 - Park Services
 - County
 - Other
- Proof of Publication
- Petitions - (Related to extensions, hearings, etc.)
- Other

Final Determination:

- Final Determination
- Signed Permit
- BACT Determination
- Other

Post Permit Correspondence:

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

P 423 104 502

RECEIPT FOR CERTIFIED MAIL

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

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

PS Form 3800, June 1985

Sent to <i>Henry Lartigue</i>	
Street and No. <i>Finco Oil - P.O. Box 2159</i>	
City, State and ZIP Code <i>Dallas TX</i>	
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 <i>6-7-90</i> <i>AC 06-178520</i>	

● **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: <i>Henry Lartigue, VP Finco Oil + Chem Co. P.O. Box 2159 Dallas, TX 75221</i>	4. Article Number <i>P 423 104 502</i>
	Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature - Address <i>X</i>	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent <i>X</i> <i>[Signature]</i>	
7. Date of Delivery	



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

June 6, 1990

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Henry Lartique, Vice President
Fina Oil and Chemical Company
P. O. Box 2159
Dallas, Texas 75221

Dear Mr. Lartique:

Re: File No. AC 06-178520

The Department inadvertently sent the original construction permit for the 4,000 gallon petroleum additive storage tank to you on June 1, 1990. Please replace that permit with the enclosed revised one. We request you return the original permit to this office.

If you have any questions on this matter, call Willard Hanks at (904)488-1344.

Sincerely,

C. H. Fancy, P.E.
Chief

Bureau of Air Regulation

CHF/plm

c: Isidore Goldman, SE District
Daniela Banu, Broward Co.
Robert Baker, P.E.



Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
NOTICE OF PERMIT

Mr. Henry Lartique, Vice President
Fina Oil and Chemical Company
P. O. Box 2159
Dallas, Texas 75221

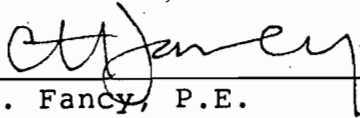
June 6, 1990

Enclosed is construction permit No. AC 06-178520 for Fina Oil and Chemical Company to construct a petroleum additive storage tank at the Union Oil/Fina Terminal in Port Everglades, Florida. This permit is issued pursuant to Section 403, Florida Statutes.

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

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



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

Copy furnished to:

Isidore Goldman, SE District
Daniela Banu, Broward Co.
Robert Baker, 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 6-7-90.

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

Kenneth J. Joken
Clerk

6-6-90
Date



Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

PERMITTEE:

Fina Oil and Chemical Co.
P. O. Box 2159
Dallas, Texas 75221

Permit Number: AC 06-178520
Expiration Date: April 15, 1991
County: Broward
Latitude/Longitude: 26°05'18"N
80°07'45"W

Project: 4,000 Gallon Additive
Tank

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

Install a 4,000 gallon horizontal gasoline additive tank (approximately 8 ft. diameter x 12 ft. long) at the Union Oil/Fina terminal (SIC 5171) located at 2701 SE 14th Avenue, Port Everglades, Broward County, Florida. The UTM coordinates of this facility are Zone 17, 587.1 km E and 2885.6 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.

Attachments are listed below:

1. Application received April 5, 1990.
2. FAX received May 4, 1990.

PERMITTEE:
Fina Oil and Chemical Co.

Permit Number: AC 06-178520
Expiration Date: April 15, 1991

GENERAL CONDITIONS:

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

PERMITTEE:
Fina Oil and Chemical Co.

Permit Number: AC 06-178520
Expiration Date: April 15, 1991

GENERAL CONDITIONS:

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

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

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

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

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

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

PERMITTEE:
Fina Oil and Chemical Co.

Permit Number: AC 06-178520
Expiration Date: April 15, 1991

GENERAL CONDITIONS:

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

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

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

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

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

13. 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:
Fina Oil and Chemical Co.

Permit Number: AC 06-178520
Expiration Date: April 15, 1991

GENERAL CONDITIONS:

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

14. 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 petroleum additive tank shall not handle more than 50,000 gallons of gasoline additives during any 12 month period. The permittee shall maintain records that show the quantity of volatile organic compounds handled in this tank.

2. This tank shall comply with all the applicable requirements of Chapter 17-2, F.A.C.

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

PERMITTEE:
Fina Oil and Chemical Co.


Permit Number: AC 06-178520
Expiration Date: April 15, 1991

SPECIFIC CONDITIONS:

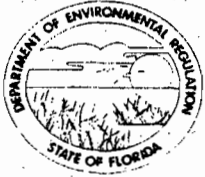
4. Any liquid leaks in the pump, piping, or tank, shall be repaired promptly.
5. This tank and associated equipment shall not discharge air pollutants which cause or contribute to an objectionable odor (F.A.C. Rule 17-2.620).
6. Volatile organic compound emissions from this tank, as determined by the procedures described in AP-42, Compilation of Air Pollutant Emission Factors, Section 4.3, shall not exceed 0.01 TPY. If the parameters that the estimated emissions are based on change, the permittee shall recalculate the emissions from this tank and submit this data to the Department's Southeast District office.
7. The permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the Bureau of Air Regulation prior to 60 days before the expiration of the permit (F.A.C. Rule 17-4.090).
8. An application for an operation permit must be submitted to the Department's Southeast District office at least 90 days prior to the expiration date of this construction permit or within 45 days after completion of compliance testing, whichever occurs first. To properly apply for an operation permit, the applicant shall submit the appropriate application form, fee, certification that construction was completed noting any deviations from the conditions in the construction permit, and compliance test reports as required by this permit (F.A.C. 17-4.220).

Issued this 5th day
of June, 1990

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



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



State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee

To: _____	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

Interoffice Memorandum

TO: Steve Smallwood
FROM: Clair Fancy *ctf*
DATE: June 4, 1990
SUBJ: Air Construction Permit No. AC 06-178520
Fina Oil and Chemical Company

*Millard,
see Steve's
note - should
we change letter
& ask them to return
original? Patty*

The above referenced air construction permit was revised prior to public notice at the applicant's request. On May 31, the final permit was signed; however, inadvertently the first permit, not the revised version, was sent to you for signature. Attached for your approval is the revised permit. The applicant has been notified that we are aware of the error and that a replacement permit is being sent to you for signature.

CHF/WH/t
attachment

*Patty -
Have them return
the original of
the other permit
& destroy all copies
of it.
Patty
6-5-90*

In the folder labeled as follows there are documents, listed below, which were not reproduced in this electronic file. Those documents can be found in the supplementary documents file drawer. Folders in that drawer are arranged alphabetically, then by permit number.

Folder Name: Fina Oil & Chemical Co.
AC 06-178520

Period During Which
DOCUMENT WAS
SUBMITTED
(APPLICATION, PD & TE,
FINAL DETERMINATION,
POST PERMIT)

APP

Detailed Description

1. 24" x 36" Blueprint
4000 Gal. Tanks/Skid Sheet 1
Of 2
2. 24" x 36" Blueprint
2000 Gal. 4000 Gal. Tanks
Concrete Spill Containments.



Glen R. Millsap
Engineering Coordinator
Terminal Operations

**Fina Oil and Chemical
Company**
Post Office Box 2159
Dallas, Texas 75221
(214) 750-4164

CERTIFIED MAIL

June 15, 1990

RECEIVED

JUN 22 1990

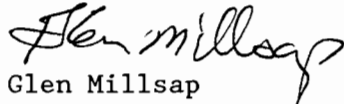
DER-BAQM

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

Dear Mr. Fancy:

Regarding your attached letter dated June 6, 1990, to Mr. Henry Lartigue of Fina, I am enclosing the original construction permit.

Sincerely,


Glen Millsap

cc: Messrs. Shelley Hacker
Lee Luna
Ms. Pam Dickinson



Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
NOTICE OF PERMIT

Mr. Henry Lartique, Vice President
Fina Oil and Chemical Company
P. O. Box 2159
Dallas, Texas 75221

June 1, 1990

Enclosed is construction permit No. AC 06-178520 for Fina Oil and Chemical Company to construct a petroleum additive storage tank at the Union Oil/Fina Terminal in Port Everglades, Florida. This permit is issued pursuant to Section 403, Florida Statutes.

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

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

for James K. Pennington
H. Fancy, P.E.
Chief
Bureau of Air Regulation

Copy furnished to:

Isidore Goldman, SE District
Daniela Banu, Broward Co.
Robert Baker, P.E.

RECEIVED

Jeannette
JUN 06 '90

GENERAL MGR. _____
ENGINEERING _____
TERMINALS X
REAL ESTATE _____
PROPERTY MAINT. _____

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this NOTICE OF PERMIT and all copies were mailed before the close of business on 6-1-90.

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

Lynda Baker
Clerk

6-1-90
Date

Final Determination

Fina Oil and Chemical Company
Port Everglades, Broward County, Florida

Petroleum Additive Tank
Permit No. AC 06-178520

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

June 1, 1990

Final Determination

The Technical Evaluation and Preliminary Determination for the permit to construct a 4,000 gallon above ground petroleum additive storage tank at the Union Oil/Fina petroleum products terminal in Port Everglades, Broward County, Florida, was distributed on May 11, 1990. The Notice of Intent to Issue was published in the Ft. Lauderdale News/Sun-Sentinel on May 15, 1990. Copies of the evaluation were available for public inspection at the Broward County Environmental Quality Control Board's office in Ft. Lauderdale and the Department's offices in West Palm Beach and Tallahassee.

No comments were submitted on the Department's Intent to Issue the permit. The final action of the Department will be to issue construction permit No. AC 06-178520 as proposed in the May 9, 1990, Technical Evaluation and Preliminary Determination.



Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

PERMITTEE:
Fina Oil and Chemical Co.
P. O. Box 2159
Dallas, Texas 75221

Permit Number: AC 06-178520
Expiration Date: April 15, 1991
County: Broward
Latitude/Longitude: 26°05'18"N
80°07'45"W
Project: 4,000 Gallon Additive
Tank

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

Install a 4,000 gallon horizontal gasoline additive tank (8 ft. diameter x 10¾ ft. long) at the Union Oil/Fina terminal (SIC 5171) located at 2701 SE 14th Avenue, Port Everglades, Broward County, Florida. The UTM coordinates of this facility are Zone 17, 587.1 km E and 2885.6 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.

Attachments are listed below:

1. Application received April 5, 1990.

PERMITTEE:
Fina Oil and Chemical Co.

Permit Number: AC 06-178520
Expiration Date: April 15, 1991

GENERAL CONDITIONS:

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

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

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

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

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

PERMITTEE:
Fina Oil and Chemical Co.

Permit Number: AC 06-178520
Expiration Date: April 15, 1991

GENERAL CONDITIONS:

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

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

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

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

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

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

PERMITTEE:
Fina Oil and Chemical Co.

Permit Number: AC 06-178520
Expiration Date: April 15, 1991

GENERAL CONDITIONS:

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

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

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

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

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

13. This permit also constitutes 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:
Fina Oil and Chemical Co.

Permit Number: AC 06-178520
Expiration Date: April 15, 1991

GENERAL CONDITIONS:

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

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

SPECIFIC CONDITIONS:

1. The petroleum additive tank shall not handle more than 20,000 gallons of gasoline additives during any 12 month period. The permittee shall maintain records that show the quantity of volatile organic compounds handled in this tank.
2. This tank shall comply with all the applicable requirements of 40 CFR 60, Subpart Kb-Standards of Performance for Volatile Organic Liquid Storage Vessels (July 1, 1988). Applicable sections are 40 CFR 60.116b, (a) and (b).
3. This storage tank may be in service continuously, 8,760 hours/year.

PERMITTEE:
Fina Oil and Chemical Co.

Permit Number: AC 06-178520
Expiration Date: April 15, 1991

SPECIFIC CONDITIONS:

4. Any liquid leaks in the pump, piping, or tank, shall be repaired promptly.

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

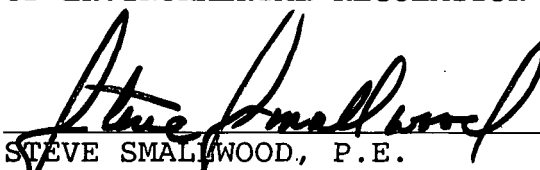
6. Volatile organic compound emissions from this tank, as determined by the procedures described in AP-42, Compilation of Air Pollutant Emission Factors, Section 4.3, shall not exceed 0.011 TPY. If the parameters that the estimated emissions are based on change, the permittee shall recalculate the emissions from this tank and submit this data to the Department's Southeast District office.

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

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

Issued this 31st day
of May, 1990

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

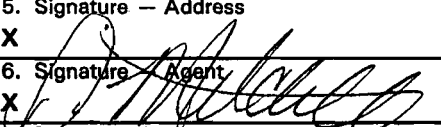
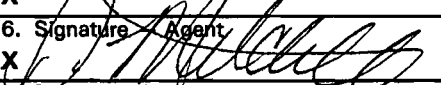


STEVE SMALLWOOD, P.E.
Director
Division of Air Resources
Management

P 052 482 273
RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

PS Form 3800, June 1985

Sent to Mr. Henry Lartique, Fina Oil	
Street and No. P. O. Box 2159	
P.O. State and ZIP Code Dallas, Texas 75221	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date Mailed: 6-1-90 Permit: AC 06-178520	

<p>● 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.</p>	
1. <input type="checkbox"/> Show to whom delivered, date, and addressee's address. 2. <input type="checkbox"/> Restricted Delivery (Extra charge)	
3. Article Addressed to: Mr. Henry Lartique, Vice President Fina Oil and Chemical Company P. O. Box 2159 Dallas, Texas 75221	4. Article Number 052 482 273 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 - Address X 	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X 	
7. Date of Delivery <div style="font-size: 2em; font-weight: bold; text-align: center;">JUN 05 1990</div>	



Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION NOTICE OF PERMIT

Mr. Henry Lartique, Vice President
Fina Oil and Chemical Company
P. O. Box 2159
Dallas, Texas 75221

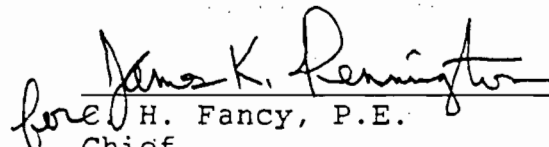
June 1, 1990

Enclosed is construction permit No. AC 06-178520 for Fina Oil and Chemical Company to construct a petroleum additive storage tank at the Union Oil/Fina Terminal in Port Everglades, Florida. This permit is issued pursuant to Section 403, Florida Statutes.

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

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


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

Copy furnished to:

Isidore Goldman, SE District
Daniela Banu, Broward Co.
Robert Baker, P.E.

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this NOTICE OF PERMIT and all copies were mailed before the close of business on 6-1-90.

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

Lynda Baker
Clerk

6-1-90
Date

Final Determination

Fina Oil and Chemical Company
Port Everglades, Broward County, Florida

Petroleum Additive Tank
Permit No. AC 06-178520

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

June 1, 1990

Final Determination

The Technical Evaluation and Preliminary Determination for the permit to construct a 4,000 gallon above ground petroleum additive storage tank at the Union Oil/Fina petroleum products terminal in Port Everglades, Broward County, Florida, was distributed on May 11, 1990. The Notice of Intent to Issue was published in the Ft. Lauderdale News/Sun-Sentinel on May 15, 1990. Copies of the evaluation were available for public inspection at the Broward County Environmental Quality Control Board's office in Ft. Lauderdale and the Department's offices in West Palm Beach and Tallahassee.

No comments were submitted on the Department's Intent to Issue the permit. The final action of the Department will be to issue construction permit No. AC 06-178520 as proposed in the May 9, 1990, Technical Evaluation and Preliminary Determination.



Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

PERMITTEE:
Fina Oil and Chemical Co.
P. O. Box 2159
Dallas, Texas 75221

Permit Number: AC 06-178520
Expiration Date: April 15, 1991
County: Broward
Latitude/Longitude: 26°05'18"N
80°07'45"W
Project: 4,000 Gallon Additive
Tank

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

Install a 4,000 gallon horizontal gasoline additive tank (8 ft. diameter x 10 $\frac{3}{4}$ ft. long) at the Union Oil/Fina terminal (SIC 5171) located at 2701 SE 14th Avenue, Port Everglades, Broward County, Florida. The UTM coordinates of this facility are Zone 17, 587.1 km E and 2885.6 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.

Attachments are listed below:

1. Application received April 5, 1990.

PERMITTEE:
Fina Oil and Chemical Co.

Permit Number: AC 06-178520
Expiration Date: April 15, 1991

GENERAL CONDITIONS:

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

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

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

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

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

PERMITTEE:
Fina Oil and Chemical Co.

Permit Number: AC 06-178520
Expiration Date: April 15, 1991

GENERAL CONDITIONS:

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

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

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

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

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

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

PERMITTEE:
Fina Oil and Chemical Co.

Permit Number: AC 06-178520
Expiration Date: April 15, 1991

GENERAL CONDITIONS:

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

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

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

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

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

13. This permit also constitutes 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:
Fina Oil and Chemical Co.

Permit Number: AC 06-178520
Expiration Date: April 15, 1991

GENERAL CONDITIONS:

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

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

SPECIFIC CONDITIONS:

1. The petroleum additive tank shall not handle more than 20,000 gallons of gasoline additives during any 12 month period. The permittee shall maintain records that show the quantity of volatile organic compounds handled in this tank.
2. This tank shall comply with all the applicable requirements of 40 CFR 60, Subpart Kb-Standards of Performance for Volatile Organic Liquid Storage Vessels (July 1, 1988). Applicable sections are 40 CFR 60.116b, (a) and (b).
3. This storage tank may be in service continuously, 8,760 hours/year.

PERMITTEE:
Fina Oil and Chemical Co.

Permit Number: AC 06-178520
Expiration Date: April 15, 1991

SPECIFIC CONDITIONS:

4. Any liquid leaks in the pump, piping, or tank, shall be repaired promptly.

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

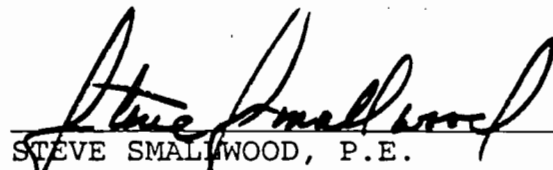
6. Volatile organic compound emissions from this tank, as determined by the procedures described in AP-42, Compilation of Air Pollutant Emission Factors, Section 4.3, shall not exceed 0.011 TPY. If the parameters that the estimated emissions are based on change, the permittee shall recalculate the emissions from this tank and submit this data to the Department's Southeast District office.

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

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

Issued this 31st day
of May, 1990

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


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



State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

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

Interoffice Memorandum

TO: Steve Smallwood
FROM: *CF* Clair Fancy *MP*
DATE: June 1, 1990

SUBJ: Approval of Fina Oil and Chemical Company Application
State Construction Permit No. AC 06-178520

Attached for your approval and signature is construction permit No. AC 06-178520 which was prepared by the Bureau of Air Regulation for the above mentioned company to build a 4,000 gallon petroleum additive tank at their terminal in Port Everglades, Broward County, Florida.

Day 90, after which the permit will be issued by default, is August 21, 1990.

I recommend your approval and signature.

CF/WH/plm

Attachment



Glen R. Millsap
Engineering Coordinator
Terminal Operations

Fina Oil and Chemical
Company
Post Office Box 2159
Dallas, Texas 75221
(214) 750-4164

May 22, 1990

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

RECEIVED

MAY 23 1990

DER - BAQM

Mr. Fancy:

Please find enclosed the Affidavit for the public notice that Fina made for our Port Everglades, FL additive tank air construction permit DER File No. AC 06-178520.

Glen Millsap

Glen Millsap

GRM:lw

cc: Mr. Shelley Hacker (w/o attachment)
Ms. Pam Dickenson (w/o attachment)

M. Hanks
S. Brooks, SE Dist
H. Carlson, BEEQCB

BEST AVAILABLE COPY

FEDERAL EXPRESS

QUESTIONS? CALL 800-238-5355 TOLL FREE

AIRBILL PACKAGE TRACKING NUMBER

6985756002

S2N 6985756002

RECIPIENT'S COPY

From (Your Name) Please Print FINA OIL & CHEMICAL COMPANY		Your Phone Number (Very Important) 214-750-2550	To (Recipient's Name) Please Print MR. C. H. FANNYK E		Recipient's Phone Number (Very Important)	
Company FINA OIL & CHEMICAL COMPANY		Department/Floor No.	Company Florida Department of Environmental Regulation		Department/Floor No.	
Street Address 8350 N CENTRAL EXPY STE 1236			Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes) 11141 155th Ave			
City DALLAS	State TX	ZIP Required 75206	City TALLAHASSEE	State FL	ZIP Required 32319-34	
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 <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 <input type="checkbox"/> Cash			City State ZIP Required			
4 SERVICES (Check only one box) Priority Overnight Service (Delivery by next business morning) Standard Overnight Service (Delivery by next business afternoon) 11 <input type="checkbox"/> YOUR PACKAGING 51 <input type="checkbox"/> 16 <input type="checkbox"/> FEDEX LETTER 56 <input checked="" 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 Service (Formerly Standard Air) (Delivery by second business day) Heavyweight Service (for Extra Large or any package over 150 lbs.) 30 <input type="checkbox"/> ECONOMY SERVICE 70 <input type="checkbox"/> HEAVYWEIGHT 80 <input type="checkbox"/> DEFERRED HEAVYWEIGHT *Delivery commitment may be later in some areas. *Declared Value Limit \$100. **Call for delivery schedule.		DELIVERY AND SPECIAL HANDLING 1 <input type="checkbox"/> HOLD FOR PICK-UP (Fill in Box H) 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) (CSS not available for Dangerous Goods Shipments) 5 <input type="checkbox"/> CONSTANT SURVEILLANCE SVC. (CSS) (Extra charge) (Release Signature Not Applicable) 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"/> 12 <input type="checkbox"/> HOLIDAY DELIVERY (if offered) (Extra charge)		PACKAGES WEIGHT in Pounds Only YOUR DECLARED VALUE OVER SIZE Total Total Total DIM SHIPMENT (Heavyweight Services Only) 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"/> Station FedEx Emp. No. 111166	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 Date/Time Received FedEx Employee Number Release Signature Date/Time 1277 1717	Federal Express Use Base Charges Declared Value Charge Other 1 Other 2 Total Charges REVISION DATE 11/89 PART #113501 EXEM 2/90 FORMAT #014 014 © 1989 F.E.C. PRINTED IN U.S.A.

FORT LAUDERDALE NEWS/SUN-SENTINEL
 PUBLISHED DAILY
 FORT LAUDERDALE, BROWARD COUNTY, FLORIDA
 BOCA RATON, PALM BEACH COUNTY, FLORIDA
 MIAMI, DADE COUNTY, FLORIDA

STATE OF FLORIDA
 COUNTY OF BROWARD/PALM BEACH/DADE
 BEFORE THE UNDERSIGNED AUTHORITY PERSONALLY
 APPEARED T. Benzak WHO ON
 OATH SAYS THAT HE/SHE IS A DULY AUTHORIZED
 REPRESENTATIVE OF THE CLASSIFIED DEPARTMENT OF
 THE FORT LAUDERDALE NEWS/SUN-SENTINEL, DAILY
 NEWSPAPERS PUBLISHED IN BROWARD/PALM BEACH/DADE
 COUNTY, FLORIDA THAT THE ATTACHED COPY OF
 ADVERTISEMENT, BEING A

NOTICE

IN THE MATTER OF

AC 06-178520

IN THE CIRCUIT COURT, WAS PUBLISHED IN SAID
 NEWSPAPER IN THE ISSUES OF
 C, 5/8, S, 15

AFFIANT FURTHER SAYS THAT THE SAID FORT
 LAUDERDALE NEWS/SUN-SENTINEL ARE NEWSPAPERS
 PUBLISHED IN SAID BROWARD/PALM BEACH/DADE
 COUNTY, FLORIDA, AND THAT THE SAID NEWSPAPERS
 HAVE HERETOFORE BEEN CONTINUOUSLY PUBLISHED IN
 SAID BROWARD/PALM BEACH/DADE COUNTY, FLORIDA,
 EACH DAY, AND HAVE BEEN ENTERED AS SECOND
 CLASS MATTER AT THE POST OFFICE IN FORT
 LAUDERDALE, IN SAID BROWARD COUNTY, FLORIDA,
 FOR A PERIOD OF ONE YEAR NEXT PRECEDING THE
 FIRST PUBLICATION OF THE ATTACHED COPY OF
 ADVERTISEMENT; AND AFFIANT FURTHER SAYS THAT
 HE/SHE HAS NEITHER PAID NOR PROMISED ANY PERSON,
 FIRM OR CORPORATION ANY DISCOUNT, REBATE,
 COMMISSION OR REFUND FOR THE PURPOSE OF
 SECURING THIS ADVERTISEMENT FOR PUBLICATION
 IN SAID NEWSPAPERS.

T. Benzak
 AUTHORIZED REPRESENTATIVE

SWORN TO AND SUBSCRIBED BEFORE ME
 THIS 15 DAY OF MAY
 A.D. 1990

Judith A. Land
 (SEAL) NOTARY PUBLIC
 Notary Public, State of Florida
 My Commission Expires Aug. 22, 1992
 Bonded Thru Troy Fain - Insurance Inc.



State of Florida
 Department of
 Environmental
 Regulation
**Notice of Intent
 to Issue Permit**
 The Department of Environmental Regulation hereby gives notice of its intent to issue a permit (AC 06-178520) to Fina Oil and Chemical Company, P. O. Box 2159, Dallas, Texas 75221, to construct a 4,000 gallon above ground petroleum additive storage tank at the Union Oil/Fina petroleum products terminal located at 2701 SE 14th Avenue, Port Everglades, Broward County, Florida 33316. Total volatile organic compounds (VOC) emissions from the new tank are estimated to be less than 0.015 TPY. A Best Available Control Technology (BACT) or Lowest Achievable Emission Rate (LAER) determination 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, F.S. 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.

54490040

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 (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 the 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 normal 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
 Southeast District
 1900 S. Congress Avenue, Suite A
 West Palm Beach, Florida 33406
 Broward County Environmental Quality Control Board
 500 SW 14th Court
 Fort Lauderdale, Florida 33315
 Any person may send written comments on the proposed action to Mr. C. H. Fancy 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.
 May 8, 15, 1990

P 052 482 257

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to <i>Henry Lartigue</i>	
Sheet and No. <i>Jena Oil & Chem.</i>	
Post Office, State and ZIP Code <i>P.O. Box 2159 - Dallas TX</i>	
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	

PS Form 3800, June 1985

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

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

3. Article Addressed to: <i>Henry Lartigue, VP Jena Oil & Chem. Co. P.O. Box 2159 Dallas, TX 75221</i>	4. Article Number <i>P052 482 257</i>
	Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
5. Signature - Address X <i>[Signature]</i>	Always obtain signature of addressee or agent and DATE DELIVERED.
6. Signature - Agent X <i>[Signature]</i>	8. Addressee's Address (ONLY if requested and fee paid)
7. Date of Delivery MAY 15 1990	



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

May 9, 1990

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. Henry Lartique
Vice President
Fina Oil and Chemical Company
P. O. Box 2159
Dallas, Texas 75221

Dear Mr. Lartique:

Attached is one copy of the Technical Evaluation and Preliminary Determination and proposed permit to construct a petroleum additive storage tank at the Port Everglades, Florida, Union Oil/Fina Terminal replacing the one dated April 18, 1990.

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

Sincerely,

C. H. Fancy, P.E.
Chief

Bureau of Air Regulation

CHF/WH/plm

Attachments

c: Isidore Goldman, SE District
Daniela Banu, Broward Co.
Robert Baker, P.E.

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

In the Matter of
Application for Permit by:

Fina Oil and Chemical Company
P. O. Box 2159
Dallas, Texas 75221

DER File No. AC 06-178520

INTENT TO ISSUE

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

The applicant, Fina Oil and Chemical Company, applied on April 5, 1990, to the Department of Environmental Regulation for a permit to construct a petroleum additive tank at the Union Oil/Fina petroleum products terminal located at 2701 SE 14th Avenue, Port Everglades, Broward County, Florida.

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

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

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

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

The Petition shall contain the following information;

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

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

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

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

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

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

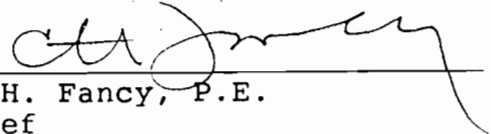
(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

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

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

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



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

Copies furnished to:

Isidore Goldman, SE District
Daniela Banu, Broward Co.
Robert Baker, 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 5-11-90.

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

Kevin D. Ober
Clerk

5-11-90
Date

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

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit (AC 06-178520) to Fina Oil and Chemical Company, P. O. Box 2159, Dallas, Texas 75221, to construct a 4,000 gallon above ground petroleum additive storage tank at the Union Oil/Fina petroleum products terminal located at 2701 SE 14th Avenue, Port Everglades, Broward County, Florida 33316. Total volatile organic compounds (VOC) emissions from the new tank are estimated to be less than 0.01 TPY. A Best Available Control Technology (BACT) or Lowest Achievable Emission Rate (LAER) determination 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
Southeast District
1900 S. Congress Avenue, Suite A
West Palm Beach, Florida 33406

Broward County Environmental
Quality Control Board
500 SW 14th Court
Fort Lauderdale, Florida 33315

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

Technical Evaluation
and
Preliminary Determination

Fina Oil and Chemical Company
Port Everglades, Broward County, Florida

Petroleum Additive Tank
File No. AC 06-178520

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

May 9, 1990

I. Application

A. Applicant

Fina Oil and Chemical Company
P. O. Box 2159
Dallas, Texas 75221

B. Project and Location

Mr. Henry Lartique, Vice President of Fina Oil and Chemical Company, submitted an application for a permit to construct a 4,000 gallon above ground petroleum additive storage tank on April 5, 1990. The application was considered complete on May 4, 1990. The proposed tank will be installed at the Union Oil/Fina petroleum products terminal (SIC 5171) located at 2701 SE 14th Avenue, Port Everglades, Broward County, Florida. The UTM coordinates of this site are Zone 17, 587.1 km E and 2885.6 km N.

The proposed horizontal tank is approximately 8 ft. in diameter by 12 ft. long. It will be used to store a petroleum product (gasoline) additive. The Safety Data Sheet for the additive is part of the application. Based on an annual throughput of 50,000 gallons, the volatile organic compounds (VOC) emissions (breathing & working losses) are estimated to be 21 lbs/yr.

II. Rule Applicability

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

The source will be in an area designated nonattainment for ozone (F.A.C. Rule 17-2.410) and attainment for the other criteria pollutants (F.A.C. Rule 17-2.420).

The terminal is a major facility because volatile organic compounds (VOC) emissions exceed 100 TPY. The proposed project will not cause a significant emission rate increase as defined by F.A.C. Rule 17-2, Table 500-2. Therefore, the project is not subject to prevention of significant deterioration regulations, F.A.C. Rule 17-2.500 or new source review for nonattainment areas, F.A.C. Rule 17-2.510.

As the project results in an increase in VOC emissions, it is subject to F.A.C. Rule 17-2.520 (Sources Not Subject to Prevention of Significant Deterioration or Nonattainment Requirements) and F.A.C. Rule 17-2.620 (General Pollutant Emission Limiting Standards).

III. Technical Evaluation

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

A summary of the emissions from the proposed tank, based on a throughput of 50,000 gallons per year, is shown below:

VOC Emissions (lbs/yr)

<u>Breathing Loss</u>	<u>Working Loss</u>	<u>Total Loss</u>
17.83	3.12	20.95

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.

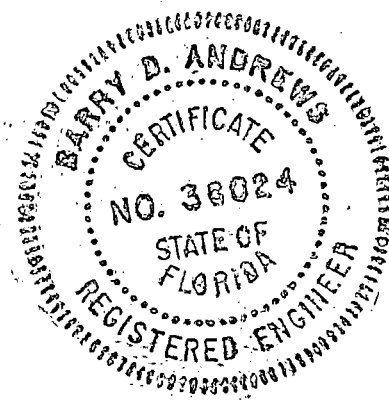
V. Conclusion

Based on the information provided by Fina Oil and Chemical Company, the Department has reasonable assurance that the proposed project, construction of petroleum additive tank, 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. Andrews

36024

5-11-90





Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

PERMITTEE:

Fina Oil and Chemical Co.
P. O. Box 2159
Dallas, Texas 75221

Permit Number: AC 06-178520

Expiration Date: April 15, 1991

County: Broward

Latitude/Longitude: 26°05'18"N
80°07'45"W

Project: 4,000 Gallon Additive
Tank

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

Install a 4,000 gallon horizontal gasoline additive tank (approximately 8 ft. diameter x 12 ft. long) at the Union Oil/Fina terminal (SIC 5171) located at 2701 SE 14th Avenue, Port Everglades, Broward County, Florida. The UTM coordinates of this facility are Zone 17, 587.1 km E and 2885.6 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.

Attachments are listed below:

1. Application received April 5, 1990.
2. FAX received May 4, 1990.

PERMITTEE:
Fina Oil and Chemical Co.

Permit Number: AC 06-178520
Expiration Date: April 15, 1991

GENERAL CONDITIONS:

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

PERMITTEE:
Fina Oil and Chemical Co.

Permit Number: AC 06-178520
Expiration Date: April 15, 1991

GENERAL CONDITIONS:

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

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

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

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

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

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

PERMITTEE:
Fina Oil and Chemical Co.

Permit Number: AC 06-178520
Expiration Date: April 15, 1991

GENERAL CONDITIONS:

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

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

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

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

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

13. 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:
Fina Oil and Chemical Co.

Permit Number: AC 06-178520
Expiration Date: April 15, 1991

GENERAL CONDITIONS:

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

c. Records of monitoring information shall include:

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

14. 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 petroleum additive tank shall not handle more than 50,000 gallons of gasoline additives during any 12 month period. The permittee shall maintain records that show the quantity of volatile organic compounds handled in this tank.

2. This tank shall comply with all the applicable requirements of Chapter 17-2, F.A.C.

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

PERMITTEE:
Fina Oil and Chemical Co.

Permit Number: AC 06-178520
Expiration Date: April 15, 1991

SPECIFIC CONDITIONS:

4. Any liquid leaks in the pump, piping, or tank, shall be repaired promptly.
5. This tank and associated equipment shall not discharge air pollutants which cause or contribute to an objectionable odor (F.A.C. Rule 17-2.620).
6. Volatile organic compound emissions from this tank, as determined by the procedures described in AP-42, Compilation of Air Pollutant Emission Factors, Section 4.3, shall not exceed 0.01 TPY. If the parameters that the estimated emissions are based on change, the permittee shall recalculate the emissions from this tank and submit this data to the Department's Southeast District office.
7. The permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the Bureau of Air Regulation prior to 60 days before the expiration of the permit (F.A.C. Rule 17-4.090).
8. An application for an operation permit must be submitted to the Department's Southeast District office at least 90 days prior to the expiration date of this construction permit or within 45 days after completion of compliance testing, whichever occurs first. To properly apply for an operation permit, the applicant shall submit the appropriate application form, fee, certification that construction was completed noting any deviations from the conditions in the construction permit, and compliance test reports as required by this permit (F.A.C. 17-4.220).

Issued this _____ day
of _____, 1990

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

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



6821 S.W. Archer Road
Gainesville, FL 32608
TEL (904) 371-8451
FAX (904) 378-1500

RECEIVED
B-2700
MAY 04 1990

FAX TRANSMITTAL FORM

DER-BAQM

TO: Willard Hanks
FDER - Air

FAX PHONE: 1-904 487 4938

FROM: Bob Baker

DATE: 5/4/90

REMARKS: ① Kb should not apply to tanks
less than 10,000 Gal 10,000 gal ✓

② Sheet #1 - as per application with your calcs
Sheet #2 - per actual dimensions & same thru-put
Sheet #3 - per actual dimensions & increased thru-put

REVISION REQUESTED →

Draft per showed 20,000 Gal/yr thru-put
and 8.3 lbs/yr VOC emissions

The text being transmitted consists of 3 pages PLUS this one.

Note: Max Emissions on Sheet #3 < permit application as submitted

FIXED ROOF TANK

BEST AVAILABLE COPY

1

TANK Z2
 CAPACITY) 4,000 GALLONS
 D (DIAMETER) 12.00 FEET
 Q (THROUGHPUT) 20,000 GPY
 Q (THROUGHPUT) 476 BBL/YR
 Fp (PAINT FACTOR) 1.0

LIQUID PARAMETERS:

TYPE
 Mv (MOLECULAR WT.) 130.0 LB/LB-MOLE
 T (AVG. TEMP) 78.0 OF
 P (TRUE VAPOR PRESSURE) 0.0200 PSIA
 DT (AVG. DIFFERENCE) 17.3 OF
 H (AVG. HEIGHT OF LIQUID) 6.0 FEET

OTHER PARAMETERS:

Pa (BAROMETRIC PRESSURE) 14.70 PSIA
 C (ADJUSTMENT FACTOR) 1.0
 Kc (PRODUCT FACTOR) 1.0
 Kn (TURNOVER FACTOR) 1.0

$$L_b = [2.26 \times 10^{-2}] / [130] \left[\frac{0.02}{14.7 - 0.02} \right]^{0.68} \times 12^{1.73} \times 17.3^{0.51} \times 1.0 \times 1.0 \times 1.0$$

$$= 6.06 \frac{\text{lb}}{\text{yr}} \times 1.62 = 9.8 \frac{\text{lb}}{\text{yr}}$$

CALCULATIONS:

N (TURNOVERS PER YEAR) 5.00

$$L_w = [2.4 \times 10^{-5}] (130) (0.02) (4000) (E) 1.0$$

TOTAL LOSS (Lt) = BREATHING LOSS (Lb) + WORKING LOSS (Lw)

$$L_b = (2.26 \times 10^{-2}) \times Mv \times (P / (Pa - P))^{0.68} \times D^{1.73} \times H^{0.51} \times DT^{0.5} \times Fp \times C \times Kc$$

Lb (LBS PER YEAR) = 25.25 LBS/YR

$$L_w = (2.40 \times 10^{-5}) \times Mv \times P \times V \times N \times K_n \times K_c$$

Lw (LBS PER YEAR) = 1.25 LBS/YR

Lt (LBS PER YEAR) = 26.50 LBS/YR

Lt (TONS PER YEAR) = 0.0132 TPY

Lt (LBS PER HOUR) = 0.003025 LBS/HR

RECEIVED

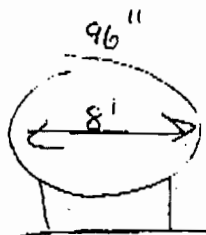
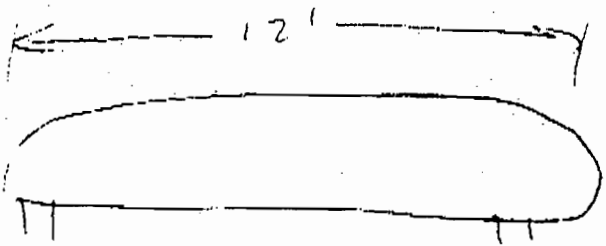
MAY 04 1990

DER-BAQM

8,760 HR/YR

7.9 lb/yr

Ø = 12'
 HT = 6'
 (5075 gal)



TOTAL = Lb = 7.0

+ Lw = 1.3
 8.3 lbs/yr ≈ 0.005 TPY



12 x 8 = 96 SF

$\sqrt{\frac{96 \times 4}{\pi}} = 11.06 \text{ feet } \phi \text{ EQ}$

2

FIXED ROOF TANK

FIXED ROOF TANK

TANK PARAMETERS:

NAME	ZZ
V (CAPACITY)	4,000 GALLONS
D (DIAMETER)	11.06 FEET
Q (THROUGHPUT)	20,000 GPY
Q (THROUGHPUT)	476 BBL/YR
Fp (PAINT FACTOR)	1.0

LIQUID PARAMETERS:

TYPE	ADDITIVE
Mv (MOLECULAR WT.)	130.0 LB/LB-MOLE
T (AVG. TEMP)	78.0 OF
P (TRUE VAPOR PRESSURE)	0.0200 PSIA
DT (AVG. DIFFERENCE)	17.3 OF
H (AVG. HIGHT OF LIQUID)	4.0 FEET

OTHER PARAMETERS:

Pa (BAROMETRIC PRESSURE)	14.70 PSIA
C (ADJUSTMENT FACTOR)	1.0
Kc (PRODUCT FACTOR)	1.0
Kn (TURNOVER FACTOR)	1.0

CALCULATIONS:

N (TURNOVERS PER YEAR) = 5.00

TOTAL LOSS (Lt) = BREATHING LOSS (Lb) + WORKING LOSS (Lw)

Lb = $(2.26 \times 10^{-2}) \times Mv \times (P / (Pa - P))^{0.68} \times D^{1.73} \times H^{0.51} \times DT^{0.5} \times Fp \times C \times Kc$

$(17.3)^{0.5} \cdot 1.1 \cdot 1 = 17.9 \text{ #/yr}$

$(2.26 \times 10^{-2}) (130) \left(\frac{0.02}{14.7 - 0.02} \right)^{0.68} (11.06)^{1.73} (4)^{0.51}$

Lb (LBS PER YEAR) = 17.83 LBS/YR ✓

Lw = $(2.40 \times 10^{-5}) \times Mv \times P \times V \times N \times Kn \times Kc$

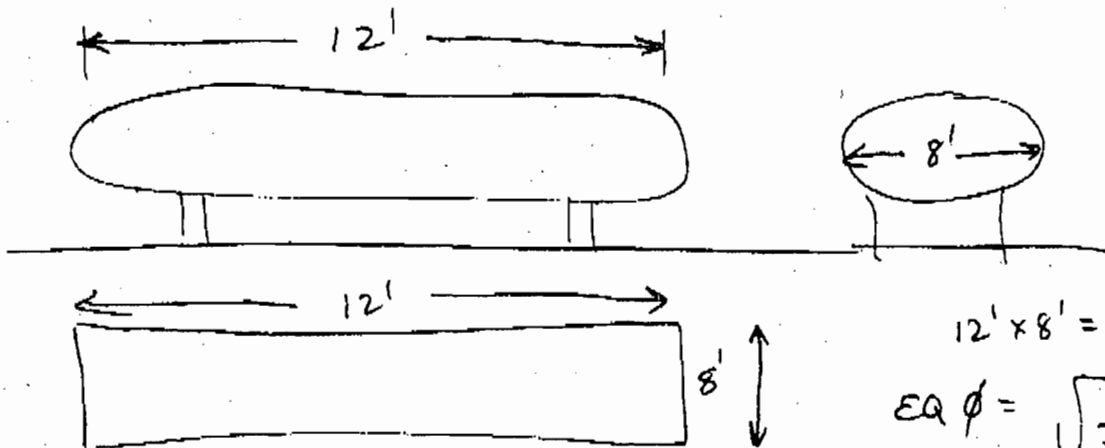
$= (2.4 \times 10^{-5}) (130) (0.02) (4000) (5) (1) (1) = 1.25 \text{ #/yr}$

Lw (LBS PER YEAR) = 1.25 LBS/YR ✓

Lt (LBS PER YEAR) = 19.08 LBS/YR ✓

Lt (TONS PER YEAR) = 0.0095 TPY $\approx 0.0096 \approx 0.01 \text{ TPY}$

Lt (LBS PER HOUR) = 0.002178 LBS/HR 8,760 HR/YR



$12' \times 8' = 96 \text{ SF}$

$EQ \phi = \sqrt{\frac{96 \times 4}{\pi}} = 11.06'$

3

Ames
Jones

FIXED ROOF TANK

FIXED ROOF TANK

TANK PARAMETERS:

NAME	ZZ
V (CAPACITY)	4,000 GALLONS
D (DIAMETER)	11.06 FEET
Q (THROUGHPUT)	50,000 GPY
Q (THROUGHPUT)	1,190 BBL/YR
Fp (PAINT FACTOR)	1.0

LIQUID PARAMETERS:

TYPE	ADDITIVE
Mv (MOLECULAR WT.)	130.0 LB/LB-MOLE
T (AVG. TEMP)	78.0 OF
P (TRUE VAPOR PRESSURE)	0.0200 PSIA
DT (AVG. DIFFERENCE)	17.3 OF
H (AVG. HIGHT OF LIQUID)	4.0 FEET

OTHER PARAMETERS:

Pa (BAROMETRIC PRESSURE)	14.70 PSIA
C (ADJUSTMENT FACTOR)	1.0
Kc (PRODUCT FACTOR)	1.0
Kn (TURNOVER FACTOR)	1.0

CALCULATIONS:

N (TURNOVERS PER YEAR) = 12.50

TOTAL LOSS (Lt) = BREATHING LOSS (Lb) + WORKING LOSS (Lw)

$$L_b = (2.26 \times 10^{-2}) \times M_v \times (P / (P_a - P))^{0.68} \times D^{1.73} \times H^{0.51} \times DT^{0.5} \times F_p \times C \times K_c = [2.26 \times 10^{-2}] [130] \left[\frac{0.02}{14.7 - 0.02} \right]^{0.68} (11.06)^{1.73} (4)^{.51} (12.5)^{.5} \cdot 1.1 = 17.83 \text{ LBS/YR}$$

Lb (LBS PER YEAR) = 17.83 LBS/YR ✓

$$L_w = (2.40 \times 10^{-5}) \times M_v \times P \times V \times N \times K_n \times K_c = (2.4 \times 10^{-5}) (130) (0.02) (4000) (12.5) \cdot 1.1 = 3.12 \text{ LBS/YR}$$

Lw (LBS PER YEAR) = 3.12 LBS/YR ✓

Lt (LBS PER YEAR) = 20.95 LBS/YR ✓

Lt (TONS PER YEAR) = 0.0105 TPY ✓

Lt (LBS PER HOUR) = 0.002392 LBS/HR ✓ 8,760 HR/YR

P 052 482 246

RECEIPT FOR CERTIFIED MAIL

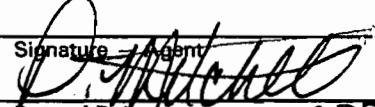
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

PS Form 3800, June 1985

Sent to Mr. Henry Lartique, Fina Oil	
Street and No. P.O. Box 2159	
P.O., State and ZIP Code Dallas, TX 75221	
Postage	S
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	S
Postmark or Date Mailed: 4-18-90 Permit: AC 06-178520	

● **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. Henry Lartique Vice President Fina Oil and Chemical Company P. O. Box 2159 Dallas, Texas 75221	4. Article Number P 052 482 246
	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 - Address X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X 	
7. Date of Delivery APR 23 1990	



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

April 18, 1990

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. Henry Lartique
Vice President
Fina Oil and Chemical Company
P. O. Box 2159
Dallas, Texas 75221

Dear Mr. Lartique:

Attached is one copy of the Technical Evaluation and Preliminary Determination and proposed permit to construct a petroleum additive storage tank at the Port Everglades, Florida, Union Oil/Fina Terminal.

Please submit any written comments you wish to have considered concerning the Department's proposed action to me.

Sincerely,



C. H. Fancy, P.E.
Chief

Bureau of Air Regulation

CHF/WH/plm

Attachments

c: Isidore Goldman, SE District
Daniela Banu, Broward Co.
Robert Baker, P.E.

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

In the Matter of
Application for Permit by:

Fina Oil and Chemical Company
P. O. Box 2159
Dallas, Texas 75221

DER File No. AC 06-178520

INTENT TO ISSUE

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

The applicant, Fina Oil and Chemical Company, applied on April 5, 1990, to the Department of Environmental Regulation for a permit to construct a petroleum additive tank at the Union Oil/Fina petroleum products terminal located at 2701 SE 14th Avenue, Port Everglades, Broward County, Florida.

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

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

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

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

The Petition shall contain the following information;

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

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

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

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

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

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

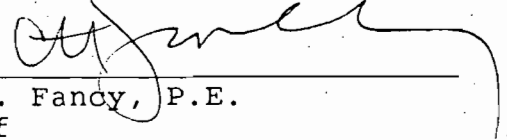
(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

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

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

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



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

Copies furnished to:

Isidore Goldman, SE District
Daniela Banu, Broward Co.
Robert Baker, 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 4-18-90.

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

Harold Jaber
Clerk

4-18-90
Date

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

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit (AC 06-178520) to Fina Oil and Chemical Company, P. O. Box 2159, Dallas, Texas 75221, to construct a 4,000 gallon above ground petroleum additive storage tank at the Union Oil/Fina petroleum products terminal located at 2701 SE 14th Avenue, Port Everglades, Broward County, Florida 33316. Total volatile organic compounds (VOC) emissions from the new tank are estimated to be less than 0.005 TPY. A Best Available Control Technology (BACT) or Lowest Achievable Emission Rate (LAER) determination 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
Southeast District
1900 S. Congress Avenue, Suite A
West Palm Beach, Florida 33406

Broward County Environmental
Quality Control Board
500 SW 14th Court
Fort Lauderdale, Florida 33315

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

Technical Evaluation
and
Preliminary Determination

Fina Oil and Chemical Company
Port Everglades, Broward County, Florida

Petroleum Additive Tank
File No. AC 06-178520

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

April 18, 1990

I. Application

A. Applicant

Fina Oil and Chemical Company
P. O. Box 2159
Dallas, Texas 75221

B. Project and Location

Mr. Henry Lartique, Vice President of Fina Oil and Chemical Company, submitted an application for a permit to construct a 4,000 gallon above ground petroleum additive storage tank on April 5, 1990. The application was considered complete on receipt. The proposed tank will be installed at the Union Oil/Fina petroleum products terminal (SIC 5171) located at 2701 SE 14th Avenue, Port Everglades, Broward County, Florida. The UTM coordinates of this site are Zone 17, 587.1 km E and 2885.6 km N.

The proposed horizontal tank is approximately 8 ft. in diameter by 10 $\frac{1}{4}$ ft. long. It will be used to store a petroleum product (gasoline) additive. The Safety Data Sheet for the additive is part of the application. Based on an annual throughput of 20,000 gallons, the volatile organic compounds (VOC) emissions (breathing & working losses) are estimated to be 8.3 lbs/yr.

II. Rule Applicability

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

The source will be in an area designated nonattainment for ozone (F.A.C. Rule 17-2.410) and attainment for the other criteria pollutants (F.A.C. Rule 17-2.420).

The terminal is a major facility because volatile organic compounds (VOC) emissions exceed 100 TPY. The proposed project will not cause a significant emission rate increase as defined by F.A.C. Rule 17-2, Table 500-2. Therefore, the project is not subject to prevention of significant deterioration regulations, F.A.C. Rule 17-2.500 or new source review for nonattainment areas, F.A.C. Rule 17-2.510.

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

III. Technical Evaluation

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

A summary of the emissions from the proposed tank, based on a throughput of 20,000 gallons per year, is shown below:

VOC Emissions (lbs/yr)

<u>Breathing Loss</u>	<u>Working Loss</u>	<u>Total Loss</u>
7.0	1.3	8.3

IV. Air Quality Analysis

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

V. Conclusion

Based on the information provided by Fina Oil and Chemical Company, the Department has reasonable assurance that the proposed project, construction of petroleum additive tank, as described in this evaluation, and subject to the conditions proposed herein, will not cause or contribute to a violation of any air quality standard, PSD increment, or any other technical provision of Chapter 17-2 of the Florida Administrative Code.





Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

PERMITTEE:
Fina Oil and Chemical Co.
P. O. Box 2159
Dallas, Texas 75221

Permit Number: AC 06-178520
Expiration Date: April 15, 1991
County: Broward
Latitude/Longitude: 26°05'18"N
80°07'45"W
Project: 4,000 Gallon Additive
Tank

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

Install a 4,000 gallon horizontal gasoline additive tank (8 ft. diameter x 10 $\frac{3}{4}$ ft. long) at the Union Oil/Fina terminal (SIC 5171) located at 2701 SE 14th Avenue, Port Everglades, Broward County, Florida. The UTM coordinates of this facility are Zone 17, 587.1 km E and 2885.6 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.

Attachments are listed below:

1. Application received April 5, 1990.

PERMITTEE:
Fina Oil and Chemical Co.

Permit Number: AC 06-178520
Expiration Date: April 15, 1991

GENERAL CONDITIONS:

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

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

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

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

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

PERMITTEE:
Fina Oil and Chemical Co.

Permit Number: AC 06-178520
Expiration Date: April 15, 1991

GENERAL CONDITIONS:

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

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

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

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

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

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

PERMITTEE:
Fina Oil and Chemical Co.

Permit Number: AC 06-178520
Expiration Date: April 15, 1991

GENERAL CONDITIONS:

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

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

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

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

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

13. This permit also constitutes 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:
Fina Oil and Chemical Co.

Permit Number: AC 06-178520
Expiration Date: April 15, 1991

GENERAL CONDITIONS:

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

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

SPECIFIC CONDITIONS:

1. The petroleum additive tank shall not handle more than 20,000 gallons of gasoline additives during any 12 month period. The permittee shall maintain records that show the quantity of volatile organic compounds handled in this tank.
2. This tank shall comply with all the applicable requirements of 40 CFR 60, Subpart Kb-Standards of Performance for Volatile Organic Liquid Storage Vessels (July 1, 1988). Applicable sections are 40 CFR 60.116b, (a) and (b).
3. This storage tank may be in service continuously, 8,760 hours/year.

PERMITTEE:
Fina Oil and Chemical Co.

Permit Number: AC 06-178520
Expiration Date: April 15, 1991

SPECIFIC CONDITIONS:

4. Any liquid leaks in the pump, piping, or tank, shall be repaired promptly.
5. This tank and associated equipment shall not discharge air pollutants which cause or contribute to an objectionable odor (F.A.C. Rule 17-2.620).
6. Volatile organic compounds emissions from this tank, as determined by the procedures described in AP-42, Compilation of Air Pollutant Emission Factors, Section 4.3, shall not exceed 0.005 TPY. If the parameters that the estimated emissions are based on change, the permittee shall recalculate the emissions from this tank and submit this data to the Department's Southeast District office.
7. The permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the Bureau of Air Regulation prior to 60 days before the expiration of the permit (F.A.C. Rule 17-4.090).
8. An application for an operation permit must be submitted to the Department's Southeast District office at least 90 days prior to the expiration date of this construction permit or within 45 days after completion of compliance testing, whichever occurs first. To properly apply for an operation permit, the applicant shall submit the appropriate application form, fee, certification that construction was completed noting any deviations from the conditions in the construction permit, and compliance test reports as required by this permit (F.A.C. 17-4.220).

Issued this _____ day
of _____, 1990.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

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



Glen R. Millsap
Engineering Coordinator
Terminal Operations

Fina Oil and Chemical
Company
Post Office Box 2159
Dallas, Texas 75221
(214) 750-4164

March 30, 1990

Ms. Stephanie Brooks
Florida Department of
Environmental Regulation
Southeast District
1900 South Congress Avenue
West Palm Beach, FL 33406

RECEIVED

APR 5, 1990

**Dept. of Environmental Reg.
West Palm Beach**

RE: Fina Oil and Chemical Company
Existing Tank Permit #A06-150564
Port Everglades Terminal
Application to Construct a New Additive Tank

Dear Ms. Brooks:

Attached are the following:

- * Four (4) copies of an application to construct a new 4,000 gallon additive tank.
- * A check for \$200.00.

The calculated VOC emissions for the new tank are less than 0.02 tons per year and will not significantly effect the facility's total allowable VOC emissions.

If you have any questions, please let me know.

Sincerely,

A handwritten signature in cursive script that reads "Glen Millsap".

Glen Millsap
Engineering Coordinator

GM:km

Attachments

cc: Daniela Banu - Broward County
Lee Luna - Unocal
Jim Mahon - Fina
Bob Baker - Baker
Shelley Hacker - Fina

BEE 90.1[MM]2201-LTR

DEPARTMENT OF ENVIRONMENTAL REGULATION

ROUTING AND TRANSMITTAL SLIP	ACTION NO
	ACTION DUE DATE

1. TO: (NAME, OFFICE, LOCATION)	Initial
<i>Clair Lancy, BAR, Tallahassee</i>	Date
2.	Initial
	Date
3.	Initial
RECEIVED	Date
4.	Initial
APR 10 1990	Date

REMARKS: DER - BAQM

Finer is a major source listed on APIS as AIP. BCEQCB has one copy and I have kept one.

Pally, BARRed 4-10-90: Willard Hanks has got this 98. PAM

Stephanie Brooks

INFORMATION	
<input type="checkbox"/>	Review & Return
<input type="checkbox"/>	Review & File
<input type="checkbox"/>	Initial & Forward
DISPOSITION	
<input type="checkbox"/>	Review & Respond
<input type="checkbox"/>	Prepare Response
<input type="checkbox"/>	For My Signature
<input type="checkbox"/>	For Your Signature
<input type="checkbox"/>	Let's Discuss
<input type="checkbox"/>	Set Up Meeting
<input type="checkbox"/>	Investigate & Report
<input type="checkbox"/>	Initial & Forward
<input type="checkbox"/>	Distribute
<input type="checkbox"/>	Concurrence
<input type="checkbox"/>	For Processing
<input type="checkbox"/>	Initial & Return

FROM: STATE OF FLORIDA
 DEPARTMENT OF ENVIRONMENTAL REGULATION
 1900 SOUTH CONGRESS AVE., SUITE A
 WEST PALM BEACH, FL 33406

DATE: *4-6-90*

PHONE: *221-5005*

DEPARTMENT OF ENVIRONMENTAL REGULATION

RECEIVED

APR 5, 1990

Dept. of Environmental Reg.
West Palm BeachNOTE: The existing permit (AO-32141R-1)
is in the name of UNOCAL Corp.APPLICATION TO ~~OPERATE~~/CONSTRUCT AIR POLLUTION SOURCESSOURCE TYPE: Bulk Petroleum Terminal New¹ Existing¹APPLICATION TYPE: Construction Operation ModificationCOMPANY NAME: Fina Oil and Chemical Company COUNTY: BrowardIdentify 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) Petroleum Additive TankSOURCE LOCATION: Street 2701 SE 14th Avenue City Port Everglades, FLUTM: East 5 87 100 North 28 85 600 33316Latitude ° ' "N Longitude ° ' "WAPPLICANT NAME AND TITLE: Henry Lartique, Vice PresidentAPPLICANT ADDRESS: P.O. Box 2159, Dallas, Texas 75221

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative* of Fina Oil & Chemical Co.

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: Henry LartiqueHenry Lartique, Vice President
Name and Title (Please Type)Date: 4/2/90 Telephone No. 214/750-2400

B. PROFESSIONAL ENGINEER REGISTERED IN FLORIDA (where required by Chapter 471, F.S.)

This is to certify that the engineering features of this pollution control project have been ~~designed~~ examined by me and found to be in conformity with modern engineering principles applicable to the treatment and disposal of pollutants characterized in the permit application. There is reasonable assurance, in my professional judgment, that

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

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

Signed Robert A. Baker

Robert A. Baker, P.E.
Name (Please Type)

Baker Environmental Engineering, Inc.
Company Name (Please Type)

6821 SW Archer Road, Gainesville, FL 32608
Mailing Address (Please Type)

Florida Registration No. 21118 Date: 3/13/90 Telephone No. (904)371-9451

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.

The project is the installation of one 4,000 gallon above ground petroleum additive storage tank. The tank will have it's own concrete containment and foundation and will be covered by a canopy. The tank will be vented to atmosphere.

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

Start of Construction upon permit approval Completion of Construction 6 months after start

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.)

NONE

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

N/A

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

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. Ozone
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? no
5. Do "National Emission Standards for Hazardous Air Pollutants"
(NESHAP) apply to this source? no
- H. Do "Reasonably Available Control Technology" (RACT) requirements apply
to this source? no
a. If yes, for what pollutants? _____
b. If yes, in addition to the information required in this form,
any information requested in Rule 17-2.650 must be submitted.

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

* The tank will only emit 0.0132 TPY of VOC's which will not greatly increase
the total facility emissions.

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

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

Description	Contaminants		Utilization Rate -	Relate to Flow Diagram
	Type	% Wt		
Additive for Gasoline	VOC	100	17.6 gph	See Figure 1

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

- Total Process Input Rate (lbs/hr): N/A
- Product Weight (lbs/hr): N/A

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/ hr	T/yr	
VOC	0.0030*	0.0132*	17-2.620	NA	0.0030	0.0132	See Figure 1

¹See Section V, Item 2. SEE ATTACHMENT 3

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

³Calculated from operating rate and applicable standard.

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

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

Name and Type (Model & Serial No.)	Contaminant	Efficiency	Range of Particles Size Collected (in microns) (If applicable)	Basis for Efficiency (Section V Item 5)

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.

Annual Average _____ Maximum _____

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

Contaminated rainwater will be collected by the existing collecting system and
processed by the existing permitted unit or discharged under the current mixing
zone discharge permit. No wastewater will be generated by this process.

H. Emission Stack Geometry and Flow Characteristics (Provide data for each stack): N/A
 Stack Height: _____ 8 ft. Stack Diameter: _____ 1/3 ft.
 Gas Flow Rate: _____ N/A ACFM _____ N/A DSCFM Gas Exit Temperature: _____ 78 °F.
 Water Vapor Content: _____ ~3 % Velocity: _____ N/A FPS

No fan - Tank is vented by natural ventilation

SECTION IV: INCINERATOR INFORMATION

NOT APPLICABLE

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

Description of Waste _____

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

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

Manufacturer _____

Date Constructed _____ Model No. _____

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

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

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

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

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

Brief description of operating characteristics of control devices: _____

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

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

SECTION V: SUPPLEMENTAL REQUIREMENTS

Please provide the following supplements where required for this application.

1. Total process input rate and product weight -- show derivation [Rule 17-2.100(127)]
2. To a construction application, attach basis of emission estimate (e.g., design calculations, design drawings, pertinent manufacturer's test data, etc.) and attach proposed methods (e.g., FR Part 60 Methods 1, 2, 3, 4, 5) to show proof of compliance with applicable standards. To an operation application, attach test results or methods used to show proof of compliance. Information provided when applying for an operation permit from a construction permit shall be indicative of the time at which the test was made.
3. Attach basis of potential discharge (e.g., emission factor, that is, AP42 test).
4. With construction permit application, include design details for all air pollution control systems (e.g., for baghouse include cloth to air ratio; for scrubber include cross-section sketch, design pressure drop, etc.)
5. With construction permit application, attach derivation of control device(s) efficiency. Include test or design data. Items 2, 3 and 5 should be consistent: actual emissions = potential (1-efficiency).
6. An 8 1/2" x 11" flow diagram which will, without revealing trade secrets, identify the individual operations and/or processes. Indicate where raw materials enter, where solid and liquid waste exit, where gaseous emissions and/or airborne particles are evolved and where finished products are obtained.
7. An 8 1/2" x 11" plot plan showing the location of the establishment, and points of airborne emissions, in relation to the surrounding area, residences and other permanent structures and roadways (Example: Copy of relevant portion of USGS topographic map).
8. An 8 1/2" x 11" plot plan of facility showing the location of manufacturing processes and outlets for airborne emissions. Relate all flows to the flow diagram.

9. The appropriate application fee in accordance with Rule 17-4.05. The check should be made payable to the Department of Environmental Regulation.
10. With an application for operation permit, attach a Certificate of Completion of Construction indicating that the source was constructed as shown in the construction permit.

SECTION VI: BEST AVAILABLE CONTROL TECHNOLOGY

A. Are standards of performance ^{NOT APPLICABLE} for new stationary sources pursuant to 40 C.F.R. Part 60 applicable to the source?

Yes No

Contaminant	Rate or Concentration

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

Yes No

Contaminant	Rate or Concentration

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

Contaminant	Rate or Concentration

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

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

*Explain method of determining

5. Useful Life:

6. Operating Costs:

7. Energy:

8. Maintenance Cost:

9. Emissions:

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

10. Stack Parameters

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

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

1.

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

2.

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

¹Explain method of determining efficiency.

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

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

- 3.
- a. Control Device:
 - b. Operating Principles:
 - c. Efficiency:¹
 - d. Capital Cost:
 - e. Useful Life:
 - f. Operating Cost:
 - g. Energy:²
 - h. Maintenance Cost:
 - i. Availability of construction materials and process chemicals:
 - j. Applicability to manufacturing processes:
 - k. Ability to construct with control device, install in available space, and operate within proposed levels:

- 4.
- a. Control Device:
 - b. Operating Principles:
 - c. Efficiency:¹
 - d. Capital Costs:
 - e. Useful Life:
 - f. Operating Cost:
 - g. Energy:²
 - h. Maintenance Cost:
 - i. Availability of construction materials and process chemicals:
 - j. Applicability to manufacturing processes:
 - k. Ability to construct with control device, install in available space, and operate within proposed levels:

F. Describe the control technology selected:

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

¹Explain method of determining efficiency.

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

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:¹

Contaminant	Rate or Concentration

(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

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.

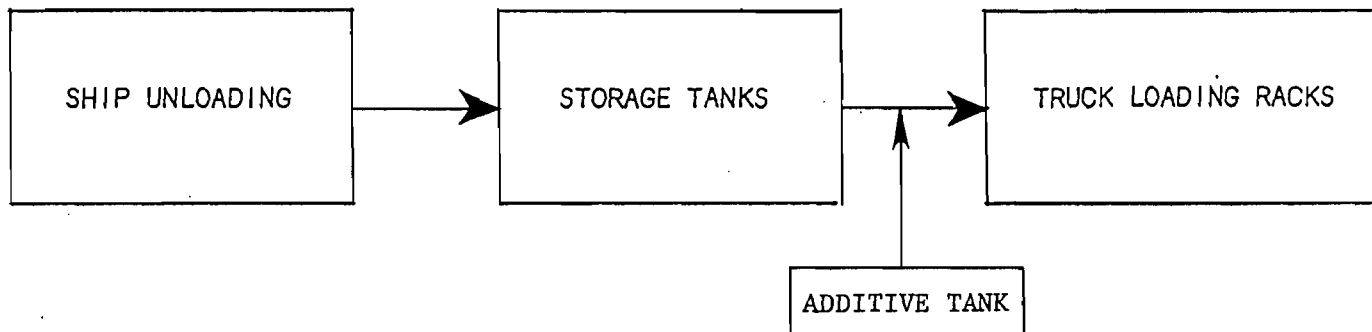
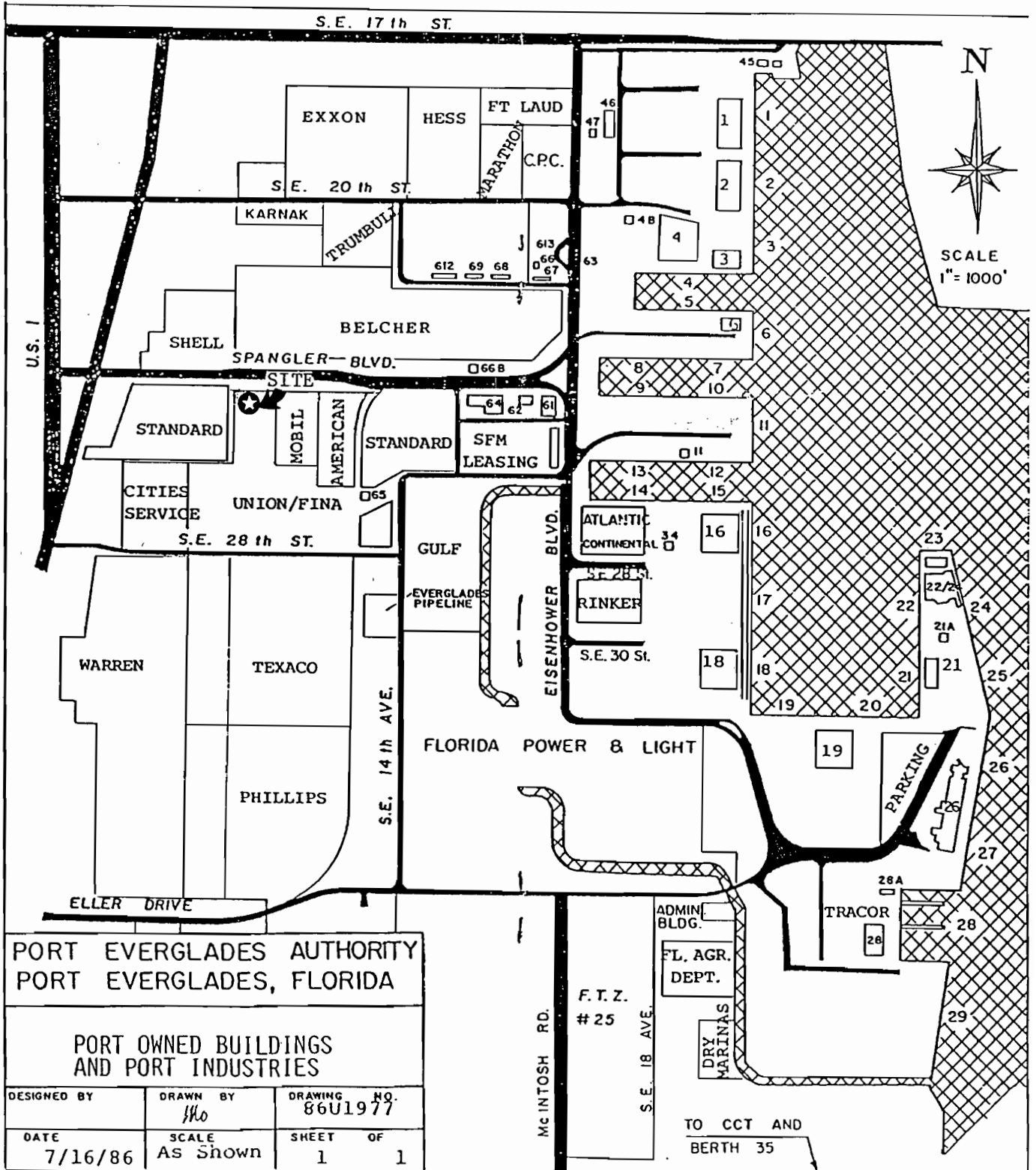


FIGURE 1 FINA - PROCESS FLOW DIAGRAM

ATTACHMENT 1

GENERAL LOCATION MAP



PORT EVERGLADES AUTHORITY
PORT EVERGLADES, FLORIDA

PORT OWNED BUILDINGS
AND PORT INDUSTRIES

DESIGNED BY	DRAWN BY <i>Hko</i>	DRAWING NO. 86U1977
DATE 7/16/86	SCALE As Shown	SHEET OF 1 1

McINTOSH RD.
F. T. Z. # 25
S. E. 18 AVE.

TO CCT AND
BERTH 35

ATTACHMENT 2
EMISSION CALCULATIONS

FIXED ROOF TANK

FIXED ROOF TANK

TANK PARAMETERS:

NAME	TANK Z2
V (CAPACITY)	4,000 GALLONS
D (DIAMETER)	12.00 FEET
Q (THROUGHPUT)	20,000 GPY
Q (THROUGHPUT)	476 BBL/YR
Fp (PAINT FACTOR)	1.0

LIQUID PARAMETERS:

TYPE	ADDITIVE
Mv (MOLECULAR WT.)	130.0 LB/LB-MOLE
T (AVG. TEMP)	78.0 oF
P (TRUE VAPOR PRESSURE)	0.0200 PSIA
DT (AVG. DIFFERENCE)	17.3 oF
H (AVG. HIGHT OF LIQUID)	6.0 FEET

OTHER PARAMETERS:

Pa (BAROMETRIC PRESSURE)	14.70 PSIA
C (ADJUSTMENT FACTOR)	1.0
Kc (PRODUCT FACTOR)	1.0
Kn (TURNOVER FACTOR)	1.0

CALCULATIONS:

N (TURNOVERS PER YEAR)	5.00
------------------------	------

TOTAL LOSS (Lt) = BREATHING LOSS (Lb) + WORKING LOSS (Lw)

$$Lb = (2.26 \times 10^{-2}) \times Mv \times (P / (Pa - P))^{.68} \times D^{1.73} \times H^{.51} \times DT^{.5} \times Fp \times C \times Kc$$

Lb (LBS PER YEAR) =	25.25 LBS/YR
---------------------	--------------

$$Lw = (2.40 \times 10^{-5}) \times Mv \times P \times V \times N \times Kn \times Kc$$

Lw (LBS PER YEAR) =	1.25 LBS/YR
---------------------	-------------

Lt (LBS PER YEAR) =	26.50 LBS/YR
---------------------	--------------

Lt (TONS PER YEAR) =	0.0132 TPY
----------------------	------------

Lt (LBS PER HOUR) =	0.003025 LBS/HR	8,760 HR/YR
---------------------	-----------------	-------------

ATTACHMENT 3

MSD SHEETS

Emergency Phone Number (800) 457-2022

Material Safety Data Sheet



OGA 476FA

Bulk blend - normal

CC67244600

Page 1 of 8

This Material Safety Data Sheet contains environmental, health and toxicology information for your employees. Please make sure this information is given to them. It also contains information to help you meet community right-to-know/emergency response reporting requirements under SARA Title III and many other laws. If you resell this product, this MSDS must be given to the buyer or the information incorporated in your MSDS. Discard any previous edition of this MSDS.

This is a new Material Safety Data Sheet.

1. PRODUCT IDENTIFICATION

OGA 476FA

DANGER: - HARMFUL OR FATAL IF SWALLOWED
- MAY CAUSE SKIN IRRITATION
- MAY CAUSE EYE IRRITATION
- COMBUSTIBLE

PRODUCT NUMBER(S): CC67244600
PRODUCT INFORMATION: (800)231-0172

Revision Number: 0 Revision Date: 02/16/90 MSDS Number: 004115
NDA - No Data Available NA - Not Applicable

2. FIRST AID

EYE CONTACT:

Flush eyes immediately with fresh water for at least 15 minutes while holding the eyelids open. Remove contact lenses if worn. No additional first aid should be necessary, however, if irritation persists, see a doctor.

SKIN CONTACT:

Remove contaminated clothing. Wash skin thoroughly with soap and water. See a doctor if any signs or symptoms described in this document occur. Discard contaminated non-waterproof shoes and boots. Wash contaminated clothing.

INHALATION:

If any signs or symptoms as described in this document occur, move the person to fresh air. If any of these effects continue, see a doctor.

INGESTION:

If swallowed, give water or milk to drink and telephone for medical advice. DO NOT make person vomit unless directed to do so by medical personnel. If medical advice cannot be obtained, then take the person and product container to the nearest medical emergency treatment center or hospital. Note to Physician: Ingestion of this product or subsequent vomiting can result in aspiration of light hydrocarbon liquid which can cause pneumonitis.

3. IMMEDIATE HEALTH EFFECTS

EYE CONTACT:

The eye irritation potential of this substance has not been determined. However, it may be slightly irritating to the eyes and could cause prolonged (days) impairment of your vision. The degree of the injury will depend on the amount of material that gets into the eye and the speed and thoroughness of the first aid treatment. Signs and symptoms may include pain, tears, swelling, redness, and blurred vision.

SKIN IRRITATION:

The skin irritation potential of this substance has not been determined. However, it may be a moderate skin irritant so contact with the skin could cause prolonged (days) injury to the affected area. The degree of injury will depend on the amount of material that gets on the skin and the speed and thoroughness of the first aid treatment. Signs and symptoms may include pain or a feeling of heat, discoloration, swelling, and blistering.

DERMAL TOXICITY:

The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if it gets on the skin.

RESPIRATORY/INHALATION:

This substance may be irritating if inhaled. Signs and symptoms of respiratory tract irritation may include, but may not be limited to, one or more of the following: nasal discharge, sore throat, coughing,

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bronchitis, pulmonary edema and difficulty in breathing. Prolonged breathing of vapors can cause central nervous system effects. Signs and symptoms of central nervous system effects may include one or more of the following: headache, dizziness, loss of appetite, weakness and loss of coordination.

INGESTION:

The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if swallowed. Because of the low viscosity of this substance, it can directly enter the lungs if it is swallowed (this is called aspiration). This can occur during the act of swallowing or when vomiting the substance. Once in the lungs, the substance is very difficult to remove and can cause severe injury to the lungs and death.

4. PROTECTIVE EQUIPMENT

EYE PROTECTION:

Do not get this material in your eyes. Eye contact can be avoided by wearing chemical goggles.

SKIN PROTECTION:

Avoid contact with skin or clothing. Skin contact should be minimized by wearing protective clothing including gloves.

RESPIRATORY PROTECTION:

Unless ventilation is adequate to keep airborne concentrations below recommended exposure standards, approved respiratory protection should be worn.

VENTILATION:

Use this material only in well ventilated areas.

5. FIRE PROTECTION

FLASH POINT: (PMCC) 124F (51C)**AUTOIGNITION:** NDA**FLAMMABILITY:** NDA**EXTINGUISHING MEDIA:**

CO₂, dry chemical, foam and water fog.

NFPA RATINGS: Health 1; Flammability 2; Reactivity 0; Special NDA; (Least-0, Slight-1, Moderate-2, High-3, Extreme-4). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association or, if applicable, the National Paint and Coating Association, and do not necessarily reflect the hazard evaluation of the Chevron Environmental Health Center. Read the entire document and label before using this product.

FIRE FIGHTING PROCEDURES:

Liquid evaporates and forms vapor (fumes) which can catch fire and burn with explosive violence. Invisible vapor spreads easily and can be set on fire by many sources such as pilot lights, welding equipment, and electrical motors and switches. Fire hazard is greater as liquid temperature rises above 85 F.

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For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

COMBUSTION PRODUCTS:

Normal combustion forms carbon dioxide, water vapor and may produce oxides of nitrogen. Incomplete combustion can produce carbon monoxide.

6. STORAGE, HANDLING, AND REACTIVITY**HAZARDOUS DECOMPOSITION PRODUCTS:**

None

STABILITY:

Stable.

HAZARDOUS POLYMERIZATION:

Polymerization will not occur.

INCOMPATIBILITY:

May react with strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

SPECIAL PRECAUTIONS:

READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL.

DO NOT USE OR STORE near flame, sparks or hot surfaces. USE ONLY IN WELL VENTILATED AREA. Keep container closed. DO NOT weld, heat or drill container. Replace cap or bung. Emptied container still contains hazardous or explosive vapor or liquid. CAUTION! Do not use pressure to empty drum or explosion may result.

7. PHYSICAL PROPERTIES

SOLUBILITY: Soluble in hydrocarbon solvents; insoluble in water.

APPEARANCE: Amber liquid.

BOILING POINT: NDA

MELTING POINT: NA

EVAPORATION: NA

SPECIFIC GRAVITY: NDA

VAPOR PRESSURE: NDA

PERCENT VOLATILE (VOLUME %): NDA

VAPOR DENSITY (AIR=1): NA

VISCOSITY: 16 cst @ 40C

8. ENVIRONMENTAL CONCERNS, SPILL RESPONSE AND DISPOSAL

CHEMTREC EMERGENCY PHONE NUMBER: (800) 424-9300 (24 hour).

SPILL/LEAK PRECAUTIONS:

Certain geographical areas have air pollution restrictions concerning the use of materials in work situations which may release volatile components to the atmosphere. Air pollution regulations should be studied to determine if this material is regulated in the area where it is to be

ORONITE ADDITIVES

TEL No. 4158425988

Feb 21.90 10:49 No.012 P.05

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used. This material is not expected to present any environmental problems other than those associated with oil spills.

Eliminate all open flame in vicinity of spill or released vapor. Stop the source of the leak or release. Clean up releases as soon as possible, observing precautions in Protective Equipment. Contain liquid to prevent further contamination of soil, surface water or groundwater. Clean up small spills using appropriate techniques such as sorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Follow prescribed procedures for reporting and responding to larger releases.

DISPOSAL METHODS:

Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. Contact local environmental or health authorities for approved disposal of this material.

9. EXPOSURE STANDARDS, REGULATORY LIMITS AND COMPOSITION**COMPOSITION COMMENT:**

All the components of this material are on the Toxic Substances Control Act Chemical Substances Inventory.

The Chevron recommended TLV for this material is 80 ppm.

The following product(s) and product I.D. number(s) fall under the New Jersey (N.J.) Right to Know Act L. 1983 Chapter N.J.S.A. 34:5A-1 et.seq.

This substance is subject to the provisions of the Pennsylvania Worker and Community Right-to-Know Act. Specific chemical identities are trade secret under the provisions of 35 Pennsylvania Statute Section 7311.

The percent compositions are given to allow for the various ranges of the components present in the whole product and may not equal 100%.

PERCENT/CAS# COMPONENT/REGULATORY LIMITS

100.0 % OGA 476FA

CONTAINING

87.0 % ADDITIVES IN HIGHLY REFINED BASE OIL

AND

LIGHT AROMATIC SOLVENT NAPHTHA

CAS64742956

4.0 % MIXED XYLENES

CAS1330207 A toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

100ppm ACGIH TLV
 150ppm ACGIH STEL
 100ppm OSHA PEL
 150ppm OSHA STEL
 CERCLA 302.4 RQ=1000 POUNDS

7.0 % CAS95636 1,2,4-TRIMETHYLBENZENE
 A toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
 SARA 302/304 RQ= POUNDS TPQ=10,000 POUNDS

2.0 % CAS98828 CUMENE
 A toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
 50ppm ACGIH TLV
 60ppm OSHA PEL
 CERCLA 302.4 RQ=5000 POUNDS

TLV - Threshold Limit Value	PEL - Permissible Exposure Limit
STEL - Short-term Exposure Limit	TPQ - Threshold Planning Quantity
RQ - Reportable Quantity	CPS - CUSA Product Code
CC - Chevron Chemical Company	CAS - Chemical Abstract Service Number

10. REGULATORY INFORMATION

DOT SHIPPING NAME: NDA
 DOT HAZARD CLASS: NDA
 DOT IDENTIFICATION NUMBER: NDA

SARA 311 CATEGORIES:

1. Immediate (Acute) Health Effects; YES
2. Delayed (Chronic) Health Effects; NO
3. Fire Hazard; YES
4. Sudden Release of Pressure Hazard; NO
5. Reactivity Hazard; NO

WHEN A COMPONENT OF THIS MATERIAL IS SHOWN IN THIS SECTION, THE REGULATORY LIST ON WHICH IT APPEARS IS INDICATED.

DIMETHYL BENZENE/XYLENES	01,02,10,11,14,15,17,18,
1,2,4-TRIMETHYLBENZENE	01,02,10,11,26,28,
CUMENE	01,02,10,11,14,17,21,24,26,28,

REGULATORY LISTS:

01=SARA 313	02=MASS RTK	03=NTP Carcinogen
04=CA Prop. 65	05=MI 406	06=IARC Group 1
07=IARC Group 2A	08=IARC Group 2B	09=SARA 302/304
10=PA RTK	11=NJ RTK	12=CERCLA 302.4
13=MN RTK	14=ACGIH TLV	15=ACGIH STEL
16=ACGIH Calculated TLV	17=OSHA PEL	18=OSHA STEL

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19-Chevron TLV	20-EPA Carcinogen	21-TSCA SECT 4
22-TSCA SECT 5 SNUR	23-TSCA SECT 6 RULE	24-TSCA SECT 12 EXPORT
25-TSCA SECT 8A CAIR	26-TSCA SECT 8D REPORT	27-TSCA SECT 8E
28-Canadian WHMIS		

11. PRODUCT TOXICOLOGY DATA

EYE IRRITATION:

NDA. The hazard evaluation was based on data from similar materials.

SKIN IRRITATION:

NDA. The hazard evaluation was based on data from similar materials.

DERMAL TOXICITY:

NDA. The hazard evaluation was based on data from similar materials.

RESPIRATORY/INHALATION:

NDA. The hazard evaluation was based on data on the components.

INGESTION:

NDA. The hazard evaluation was based on data from similar materials.

12. ADDITIONAL HEALTH DATA

ADDITIONAL HEALTH DATA COMMENT:

This product contains xylene, a chemical that has been reported to cause developmental toxicity in rats and mice exposed by inhalation during pregnancy. The effects noted consisted of delayed development and minor skeletal variations; additionally, when pregnant mice were exposed by ingestion to a level that killed nearly one-third of the test group, lethality (resorptions) and malformations (primarily cleft palate) occurred. Malformations have not been reported following inhalation exposure. Because of the very high levels of exposure used in these studies, we do not believe that their results imply an increased risk of reproductive toxicity to workers exposed to xylene levels at or below the exposure standard.

Xylene has given negative results in several mutagen testing assays including the Ames assay. In a cancer study sponsored by the National Toxicology Program (NTP), technical grade xylene gave no evidence of carcinogenicity in rats or mice dosed daily for two years.

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils require a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).

This material contains cumene. In an inhalation study sponsored by the Chemical Manufacturers' Association (CMA), rats of each sex were exposed for six hours a day, five days a week for thirteen weeks to 0, 100, 500 or

1200 ppm cumene vapor. Cataracts in the lenses of the eyes occurred in all exposed groups but were more numerous in male rats and at the highest exposure levels. Because cataracts also occurred in the eyes of the untreated male and female rats to a higher than normal degree, the biological significance of this observation is unclear. There was also a decrease in the normal activity in exposed male rats but not in exposed female rats. The reversibility of this effect was not determined. Because the significance of the effects observed in this study is not clear, the CMA Cumene Panel is planning to conduct another inhalation study in rats to attempt to verify the potential for cumene to cause cataracts and behavioral changes. Until the results of this further testing are available, we suggest that you continue to take proper precautions to minimize personnel exposure to cumene.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

Emergency Phone Number(800) 457-2022



Material Safety Data Sheet

OGA 476PI

Hand blend

CC67224200

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This Material Safety Data Sheet contains environmental, health and toxicology information for your employees. Please make sure this information is given to them. It also contains information to help you meet community right-to-know/emergency response reporting requirements under SARA Title III and many other laws. If you resell this product, this MSDS must be given to the buyer or the information incorporated in your MSDS. Discard any previous edition of this MSDS.

This is a new Material Safety Data Sheet.

1. PRODUCT IDENTIFICATION

OGA 476PI

CAUTION: - MAY CAUSE SKIN IRRITATION
- COMBUSTIBLE

PRODUCT NUMBER(S): CC67224200

PRODUCT INFORMATION: (800)231-0172

Revision Number: 0 Revision Date: 02/15/90 MSDS Number: 004112
NDA - No Data Available NA - Not Applicable

Prepared According to the OSHA Hazard Communication Standard (29 CFR 1910.1200) by the Chevron Environmental Health Center, Inc., P.O. Box 4054, Richmond, CA 94804.

2. FIRST AID

EYE CONTACT:

No first aid procedures are required. However, as a precaution flush eyes with fresh water for 15 minutes. Remove contact lenses if worn.

SKIN CONTACT:

Remove contaminated clothing. Wash skin thoroughly with soap and water. See a doctor if any signs or symptoms described in this document occur. Discard contaminated non-waterproof shoes and boots. Wash contaminated clothing.

INHALATION:

If any signs or symptoms as described in this document occur, move the person to fresh air. If any of these effects continue, see a doctor.

INGESTION:

If swallowed, give water or milk to drink and telephone for medical advice. Consult medical personnel before inducing vomiting. If medical advice cannot be obtained, then take the person and product container to the nearest medical emergency treatment center or hospital.

3. IMMEDIATE HEALTH EFFECTS

EYE CONTACT:

This substance is not expected to cause prolonged or significant eye irritation.

SKIN IRRITATION:

The skin irritation potential of this substance has not been determined. However, it may be a moderate skin irritant so contact with the skin could cause prolonged (days) injury to the affected area. The degree of injury will depend on the amount of material that gets on the skin and the speed and thoroughness of the first aid treatment. Signs and symptoms may include pain or a feeling of heat, discoloration, swelling, and blistering.

DERMAL TOXICITY:

The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if it gets on the skin.

RESPIRATORY/INHALATION:

Breathing the vapors at concentrations above the recommended exposure standard can cause central nervous system effects. Signs and symptoms of central nervous system effects may include one or more of the following: headache, dizziness, loss of appetite, weakness and loss of coordination.

INGESTION:

The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if swallowed.

4. PROTECTIVE EQUIPMENT

Revision Number: 0

Revision Date: 02/15/90

MSDS Number: 004112

NDA - No Data Available

NA - Not Applicable

EYE PROTECTION:

No special eye protection is usually necessary.

SKIN PROTECTION:

Avoid contact with skin or clothing. Skin contact should be minimized by wearing protective clothing including gloves.

RESPIRATORY PROTECTION:

Unless ventilation is adequate to keep airborne concentrations below recommended exposure standards, approved respiratory protection should be worn.

VENTILATION:

Use this material only in well ventilated areas.

5. FIRE PROTECTION

FLASH POINT: (PMCC) 138F (59C)

AUTOIGNITION: NDA

FLAMMABILITY: NDA

EXTINGUISHING MEDIA:

CO₂, dry chemical, foam and water fog.

NFPA RATINGS: Health 1; Flammability 2; Reactivity 0; Special NDA; (Least-0, Slight-1, Moderate-2, High-3, Extreme-4). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association or, if applicable, the National Paint and Coating Association, and do not necessarily reflect the hazard evaluation of the Chevron Environmental Health Center. Read the entire document and label before using this product.

FIRE FIGHTING PROCEDURES:

Liquid evaporates and forms vapor (fumes) which can catch fire and burn with explosive violence. Invisible vapor spreads easily and can be set on fire by many sources such as pilot lights, welding equipment, and electrical motors and switches. Fire hazard is greater as liquid temperature rises above 85 F.

For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

COMBUSTION PRODUCTS:

Normal combustion forms carbon dioxide, water vapor and may produce oxides of nitrogen. Incomplete combustion can produce carbon monoxide.

6. STORAGE, HANDLING, AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS:

None

STABILITY:

Stable.

HAZARDOUS POLYMERIZATION:

Polymerization will not occur.

INCOMPATIBILITY:

May react with strong oxidizing agents, such as chlorates, nitrates,

Revision Number: 0

Revision Date: 02/15/90

MSDS Number: 004112

NDA - No Data Available

NA - Not Applicable

peroxides, etc.

SPECIAL PRECAUTIONS:

READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL.

DO NOT USE OR STORE near flame, sparks or hot surfaces. USE ONLY IN WELL VENTILATED AREA. Keep container closed. DO NOT weld, heat or drill container. Replace cap or bung. Emptied container still contains hazardous or explosive vapor or liquid. CAUTION! Do not use pressure to empty drum or explosion may result.

7. PHYSICAL PROPERTIES

SOLUBILITY: Soluble in hydrocarbon solvents; insoluble in water.

APPEARANCE: Amber liquid.

BOILING POINT: NDA

MELTING POINT: NA

EVAPORATION: NDA

SPECIFIC GRAVITY: NDA

VAPOR PRESSURE: NDA

PERCENT VOLATILE (VOLUME %): NDA

VAPOR DENSITY (AIR=1): NDA

VISCOSITY: 95 cSt @ 40C

8. ENVIRONMENTAL CONCERNS, SPILL RESPONSE AND DISPOSAL

CHEMTREC EMERGENCY PHONE NUMBER: (800) 424-9300 (24 hour).

SPILL/LEAK PRECAUTIONS:

Certain geographical areas have air pollution restrictions concerning the use of materials in work situations which may release volatile components to the atmosphere. Air pollution regulations should be studied to determine if this material is regulated in the area where it is to be used. This material is not expected to present any environmental problems other than those associated with oil spills.

Eliminate all open flame in vicinity of spill or released vapor. Stop the source of the leak or release. Clean up releases as soon as possible, observing precautions in Protective Equipment. Contain liquid to prevent further contamination of soil, surface water or groundwater. Clean up small spills using appropriate techniques such as sorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Follow prescribed procedures for reporting and responding to larger releases.

DISPOSAL METHODS:

Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. Contact local environmental or health authorities for approved disposal of this material.

9. EXPOSURE STANDARDS, REGULATORY LIMITS AND COMPOSITION

COMPOSITION COMMENT:

All the components of this material are on the Toxic Substances Control Act Chemical Substances Inventory.

The Chevron recommended TLV for this material is 80 ppm.

The following product(s) and product I.D. number(s) fall under the New Jersey (N.J.) Right to Know Act L. 1983 Chapter N.J.S.A. 34:5A-1 et.seq.

This substance is subject to the provisions of the Pennsylvania Worker and Community Right-to-Know Act. Specific chemical identities are trade secret under the provisions of 35 Pennsylvania Statute Section 7311.

The percent compositions are given to allow for the various ranges of the components present in the whole product and may not equal 100%.

PERCENT/CAS# COMPONENT/REGULATORY LIMITS

100.0 % OGA 476FI

CONTAINING

95.0 % ADDITIVES IN HIGHLY REFINED BASE OIL

AND

LIGHT AROMATIC SOLVENT NAPHTHA

CAS64742956

3.0 % 1,2,4-TRIMETHYLBENZENE
CAS95636 A toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
SARA 302/304 RQ= POUNDS TPQ=10,000 POUNDS

2.0 % MIXED XYLENES
CAS1330207 A toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
100ppm ACGIH TLV
150ppm ACGIH STEL
100ppm OSHA PEL
150ppm OSHA STEL
CERCLA 302.4 RQ=1000 POUNDS

TLV - Threshold Limit Value	PEL - Permissible Exposure Limit
STEL - Short-term Exposure Limit	TPQ - Threshold Planning Quantity
RQ - Reportable Quantity	CPS - CUSA Product Code
CC - Chevron Chemical Company	CAS - Chemical Abstract Service Number

Revision Number: 0 Revision Date: 02/15/90 MSDS Number: 004112
NDA - No Data Available NA - Not Applicable

10. REGULATORY INFORMATION

DOT SHIPPING NAME: NDA
 DOT HAZARD CLASS: NDA
 DOT IDENTIFICATION NUMBER: NDA

SARA 311 CATEGORIES: 1. Immediate (Acute) Health Effects; YES
 2. Delayed (Chronic) Health Effects; NO
 3. Fire Hazard; YES
 4. Sudden Release of Pressure Hazard; NO
 5. Reactivity Hazard; NO

WHEN A COMPONENT OF THIS MATERIAL IS SHOWN IN THIS SECTION, THE REGULATORY LIST ON WHICH IT APPEARS IS INDICATED.

DIMETHYL BENZENE/XYLENES 01,02,10,11,14,15,17,18,
 1,2,4-TRIMETHYLBENZENE 01,02,10,11,26,28,

REGULATORY LISTS:

01=SARA 313	02=MASS RTK	03=NTP Carcinogen
04=CA Prop. 65	05=MI 406	06=IARC Group 1
07=IARC Group 2A	08=IARC Group 2B	09=SARA 302/304
10=PA RTK	11=NJ RTK	12=CERCLA 302.4
13=MN RTK	14=ACGIH TLV	15=ACGIH STEL
16=ACGIH Calculated TLV	17=OSHA PEL	18=OSHA STEL
19=Chevron TLV	20=EPA Carcinogen	21=TSCA SECT 4
22=TSCA SECT 5 SNUR	23=TSCA SECT 6 RULE	24=TSCA SECT 12 EXPORT
25=TSCA SECT 8A CAIR	26=TSCA SECT 8D REPORT	27=TSCA SECT 8E
28=Canadian WHMIS		

11. PRODUCT TOXICOLOGY DATA

EYE IRRITATION:

NDA. The hazard evaluation was based on data from similar materials.

SKIN IRRITATION:

NDA. The hazard evaluation was based on data from similar materials.

DERMAL TOXICITY:

NDA. The hazard evaluation was based on data from similar materials.

RESPIRATORY/INHALATION:

NDA. The hazard evaluation was based on data on the components.

INGESTION:

NDA. The hazard evaluation was based on data from similar materials.

12. ADDITIONAL HEALTH DATA

ADDITIONAL HEALTH DATA COMMENT:

Revision Number: 0 Revision Date: 02/15/90 MSDS Number: 004112
 NDA - No Data Available NA - Not Applicable

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils require a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).

This product contains xylene, a chemical that has been reported to cause developmental toxicity in rats and mice exposed by inhalation during pregnancy. The effects noted consisted of delayed development and minor skeletal variations; additionally, when pregnant mice were exposed by ingestion to a level that killed nearly one-third of the test group, lethality (resorptions) and malformations (primarily cleft palate) occurred. Malformations have not been reported following inhalation exposure. Because of the very high levels of exposure used in these studies, we do not believe that their results imply an increased risk of reproductive toxicity to workers exposed to xylene levels at or below the exposure standard.

Xylene has given negative results in several mutagen testing assays including the Ames assay. In a cancer study sponsored by the National Toxicology Program (NTP), technical grade xylene gave no evidence of carcinogenicity in rats or mice dosed daily for two years.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

Emergency Phone Number (800) 457-2022



Material Safety Data Sheet

OGA 476FW

Winter pkg

CC67224300

Page 1 of 8

This Material Safety Data Sheet contains environmental, health and toxicology information for your employees. Please make sure this information is given to them. It also contains information to help you meet community right-to-know/emergency response reporting requirements under SARA Title III and many other laws. If you resell this product, this MSDS must be given to the buyer or the information incorporated in your MSDS. Discard any previous edition of this MSDS.

This is a new Material Safety Data Sheet.

1. PRODUCT IDENTIFICATION

OGA 476FW

DANGER: - HARMFUL OR FATAL IF SWALLOWED
- MAY CAUSE EYE IRRITATION
- MAY CAUSE SKIN IRRITATION
- COMBUSTIBLE

PRODUCT NUMBER(S): CC67224300

PRODUCT INFORMATION: (800)231-0172

Revision Number: 0 Revision Date: 02/15/90 MSDS Number: 004114
NDA - No Data Available NA - Not Applicable

Prepared According to the OSHA Hazard Communication Standard (29 CFR 1910.1200) by the Chevron Environmental Health Center, Inc., P.O. Box 4054, Richmond, CA 94804.

2. FIRST AID

EYE CONTACT:

Flush eyes immediately with fresh water for at least 15 minutes while holding the eyelids open. Remove contact lenses if worn. No additional first aid should be necessary, however, if irritation persists, see a doctor.

SKIN CONTACT:

Remove contaminated clothing. Wash skin thoroughly with soap and water. See a doctor if any signs or symptoms described in this document occur. Discard contaminated non-waterproof shoes and boots. Wash contaminated clothing.

INHALATION:

If any signs or symptoms as described in this document occur, move the person to fresh air. If any of these effects continue, see a doctor.

INGESTION:

If swallowed, give water or milk to drink and telephone for medical advice. DO NOT make person vomit unless directed to do so by medical personnel. If medical advice cannot be obtained, then take the person and product container to the nearest medical emergency treatment center or hospital. Note to Physician: Ingestion of this product or subsequent vomiting can result in aspiration of light hydrocarbon liquid which can cause pneumonitis.

3. IMMEDIATE HEALTH EFFECTS

EYE CONTACT:

The eye irritation potential of this substance has not been determined. However, it may be slightly irritating to the eyes and could cause prolonged (days) impairment of your vision. The degree of the injury will depend on the amount of material that gets into the eye and the speed and thoroughness of the first aid treatment. Signs and symptoms may include pain, tears, swelling, redness, and blurred vision.

SKIN IRRITATION:

The skin irritation potential of this substance has not been determined. However, it may be a moderate skin irritant so contact with the skin could cause prolonged (days) injury to the affected area. The degree of injury will depend on the amount of material that gets on the skin and the speed and thoroughness of the first aid treatment. Signs and symptoms may include pain or a feeling of heat, discoloration, swelling, and blistering.

DERMAL TOXICITY:

The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if it gets on the skin.

RESPIRATORY/INHALATION:

This substance may be irritating if inhaled. Signs and symptoms of respiratory tract irritation may include, but may not be limited to, one or more of the following: nasal discharge, sore throat, coughing,

bronchitis, pulmonary edema and difficulty in breathing. Prolonged breathing of vapors can cause central nervous system effects. Signs and symptoms of central nervous system effects may include one or more of the following: headache, dizziness, loss of appetite, weakness and loss of coordination.

INGESTION:

The systemic toxicity of this substance has not been determined. However, it should be practically non-toxic to internal organs if swallowed. Because of the low viscosity of this substance, it can directly enter the lungs if it is swallowed (this is called aspiration). This can occur during the act of swallowing or when vomiting the substance. Once in the lungs, the substance is very difficult to remove and can cause severe injury to the lungs and death.

4. PROTECTIVE EQUIPMENT**EYE PROTECTION:**

Do not get this material in your eyes. Eye contact can be avoided by wearing chemical goggles.

SKIN PROTECTION:

Avoid contact with skin or clothing. Skin contact should be minimized by wearing protective clothing including gloves.

RESPIRATORY PROTECTION:

Unless ventilation is adequate to keep airborne concentrations below recommended exposure standards, approved respiratory protection should be worn.

VENTILATION:

Use this material only in well ventilated areas.

5. FIRE PROTECTION

FLASH POINT: (PMCC) 120F

AUTOIGNITION: NDA

FLAMMABILITY: NDA

EXTINGUISHING MEDIA:

CO₂, Dry Chemical, Foam, Water Fog.

NFPA RATINGS: Health 1; Flammability 2; Reactivity 0; Special NDA; (Least-0, Slight-1, Moderate-2, High-3, Extreme-4). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association or, if applicable, the National Paint and Coating Association, and do not necessarily reflect the hazard evaluation of the Chevron Environmental Health Center. Read the entire document and label before using this product.

FIRE FIGHTING PROCEDURES:

Liquid evaporates and forms vapor (fumes) which can catch fire and burn with explosive violence. Invisible vapor spreads easily and can be set on fire by many sources such as pilot lights, welding equipment, and electrical motors and switches. Fire hazard is greater as liquid temperature rises above 85 F.

For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

COMBUSTION PRODUCTS:

Normal combustion forms carbon dioxide, water vapor and may produce oxides of nitrogen. Incomplete combustion can produce carbon monoxide.

6. STORAGE, HANDLING, AND REACTIVITY

HAZARDOUS DECOMPOSITION PRODUCTS:

None

STABILITY:

Stable.

HAZARDOUS POLYMERIZATION:

Polymerization will not occur.

INCOMPATIBILITY:

May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

SPECIAL PRECAUTIONS:

READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL. DO NOT USE OR STORE near flame, sparks or hot surfaces. USE ONLY IN WELL VENTILATED AREA. Keep container closed. DO NOT weld, heat or drill container. Residue may ignite with explosive violence if heated sufficiently.

7. PHYSICAL PROPERTIES

SOLUBILITY: Soluble in hydrocarbon solvents; insoluble in water.

APPEARANCE: Amber liquid.

BOILING POINT: NDA

MELTING POINT: NA

EVAPORATION: NA

SPECIFIC GRAVITY: NDA

VAPOR PRESSURE: NDA

PERCENT VOLATILE (VOLUME %): NDA

VAPOR DENSITY (AIR=1): NA

VISCOSITY: 6.02 cSt @ 40C

8. ENVIRONMENTAL CONCERNS, SPILL RESPONSE AND DISPOSAL

CHEMTREC EMERGENCY PHONE NUMBER: (800) 424-9300 (24 hour).

SPILL/LEAK PRECAUTIONS:

Certain geographical areas have air pollution restrictions concerning the use of materials in work situations which may release volatile components to the atmosphere. Air pollution regulations should be studied to determine if this material is regulated in the area where it is to be used. This material is not expected to present any environmental problems other than those associated with oil spills.

Revision Number: 0

Revision Date: 02/15/90

MSDS Number: 004114

NDA - No Data Available

NA - Not Applicable

Eliminate all open flame in vicinity of spill or released vapor. Stop the source of the leak or release. Clean up releases as soon as possible, observing precautions in Protective Equipment. Contain liquid to prevent further contamination of soil, surface water or groundwater. Clean up small spills using appropriate techniques such as sorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Follow prescribed procedures for reporting and responding to larger releases.

DISPOSAL METHODS:

Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations. Contact local environmental or health authorities for approved disposal of this material.

9. EXPOSURE STANDARDS, REGULATORY LIMITS AND COMPOSITION

COMPOSITION COMMENT:

All the components of this material are on the Toxic Substances Control Act Chemical Substances Inventory.

The Chevron recommended TLV for this material is 80 ppm.

The following product(s) and product I.D. number(s) fall under the New Jersey (N.J.) Right to Know Act L. 1983 Chapter N.J.S.A. 34:5A-1 et seq.

This substance is subject to the provisions of the Pennsylvania Worker and Community Right-to-Know Act. Specific chemical identities are trade secret under the provisions of 35 Pennsylvania Statute Section 7311.

The percent compositions are given to allow for the various ranges of the components present in the whole product and may not equal 100%.

PERCENT/CAS# COMPONENT/REGULATORY LIMITS

100.0 % OGA 476FW

CONTAINING

83.0 % ADDITIVES IN HIGHLY REFINED BASE OIL

AND

LIGHT AROMATIC SOLVENT NAPHTHA

CAS64742956

10.0 % 1,2,4-TRIMETHYLBENZENE
 CAS95636 A toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
 SARA 302/304 RQ= POUNDS TPQ=10,000 POUNDS

5.0 % MIXED XYLENES

Revision Number: 0

Revision Date: 02/15/90

MSDS Number: 004114

NDA - No Data Available

NA - Not Applicable

CAS1330207 A toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
 100ppm ACGIH TLV
 150ppm ACGIH STEL
 100ppm OSHA PEL
 150ppm OSHA STEL
 CERCLA 302.4 RQ=1000 POUNDS

2.0 % CUMENE
 CAS98828 A toxic chemical subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.
 50ppm ACGIH TLV
 50ppm OSHA PEL
 CERCLA 302.4 RQ=5000 POUNDS

TLV - Threshold Limit Value	PEL - Permissible Exposure Limit
STEL - Short-term Exposure Limit	TPQ - Threshold Planning Quantity
RQ - Reportable Quantity	CPS - CUSA Product Code
CC - Chevron Chemical Company	CAS - Chemical Abstract Service Number

10. REGULATORY INFORMATION

DOT SHIPPING NAME: NDA
 DOT HAZARD CLASS: NDA
 DOT IDENTIFICATION NUMBER: NDA

SARA 311 CATEGORIES:

1. Immediate (Acute) Health Effects; YES
2. Delayed (Chronic) Health Effects; NO
3. Fire Hazard; YES
4. Sudden Release of Pressure Hazard; NO
5. Reactivity Hazard; NO

WHEN A COMPONENT OF THIS MATERIAL IS SHOWN IN THIS SECTION, THE REGULATORY LIST ON WHICH IT APPEARS IS INDICATED.

DIMETHYL BENZENE/XYLENES	01,02,10,11,14,15,17,18,
1,2,4-TRIMETHYLBENZENE	01,02,10,11,26,28,
CUMENE	01,02,10,11,14,17,21,24,26,28,

REGULATORY LISTS:

01=SARA 313	02=MASS RTK	03=NTP Carcinogen
04=CA Prop. 65	05=MI 406	06=IARC Group 1
07=IARC Group 2A	08=IARC Group 2B	09=SARA 302/304
10=PA RTK	11=NJ RTK	12=CERCLA 302.4
13=MN RTK	14=ACGIH TLV	15=ACGIH STEL
16=ACGIH Calculated TLV	17=OSHA PEL	18=OSHA STEL
19=Chevron TLV	20=EPA Carcinogen	21=TSCA SECT 4
22=TSCA SECT 5 SNUR	23=TSCA SECT 6 RULE	24=TSCA SECT 12 EXPORT
25=TSCA SECT 8A CAIR	26=TSCA SECT 8D REPORT	27=TSCA SECT 8E

Revision Number: 0 Revision Date: 02/15/90 MSDS Number: 004114
 NDA - No Data Available NA - Not Applicable

28 Canadian WHMIS

11. PRODUCT TOXICOLOGY DATA

EYE IRRITATION:

NDA. The hazard evaluation was based on data from similar materials.

SKIN IRRITATION:

NDA. The hazard evaluation was based on data from similar materials.

DERMAL TOXICITY:

NDA. The hazard evaluation was based on data from similar materials.

RESPIRATORY/INHALATION:

NDA. The hazard evaluation was based on data on the components.

INGESTION:

NDA. The hazard evaluation was based on data from similar materials.

12. ADDITIONAL HEALTH DATA

ADDITIONAL HEALTH DATA COMMENT:

This product contains xylene, a chemical that has been reported to cause developmental toxicity in rats and mice exposed by inhalation during pregnancy. The effects noted consisted of delayed development and minor skeletal variations; additionally, when pregnant mice were exposed by ingestion to a level that killed nearly one-third of the test group, lethality (resorptions) and malformations (primarily cleft palate) occurred. Malformations have not been reported following inhalation exposure. Because of the very high levels of exposure used in these studies, we do not believe that their results imply an increased risk of reproductive toxicity to workers exposed to xylene levels at or below the exposure standard.

Xylene has given negative results in several mutagen testing assays including the Ames assay. In a cancer study sponsored by the National Toxicology Program (NTP), technical grade xylene gave no evidence of carcinogenicity in rats or mice dosed daily for two years.

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils require a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B).

This material contains cumene. In an inhalation study sponsored by the Chemical Manufacturers' Association (CMA), rats of each sex were exposed for six hours a day, five days a week for thirteen weeks to 0, 100, 500 or 1200 ppm cumene vapor. Cataracts in the lenses of the eyes occurred in all exposed groups but were more numerous in male rats and at the highest exposure levels. Because cataracts also occurred in the eyes of the

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NDA - No Data Available

NA - Not Applicable

untreated male and female rats to a higher than normal degree, the biological significance of this observation is unclear. There was also a decrease in the normal activity in exposed male rats but not in exposed female rats. The reversibility of this effect was not determined. Because the significance of the effects observed in this study is not clear, the CMA Cumene Panel is planning to conduct another inhalation study in rats to attempt to verify the potential for cumene to cause cataracts and behavioral changes. Until the results of this further testing are available, we suggest that you continue to take proper precautions to minimize personnel exposure to cumene.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since the information contained herein may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modification of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.