31014

AC03-272821

Chevron

Chevron U.S.A. Products Company
1301 McKinney Street
Houston, TX 77010
P. O. Box 4256
Houston, TX 77210
Phone 713 754 3500

June 14, 1995

Mr. Rick Prusa
Department of Environmental Protection
Northwest District
160 Governmental Center
Pensacola, Florida 32501-5794

RECEIVED
JUN 19 1995
Northwest Florida
DEP

Air Construction Permit Application
Existing Emissions Units
Chevron Panama City Bulk Terminal
525 West Beach Drive
Panama City, Florida 32401
Facility #10PCY030056

Dear Mr. Prusa:

Please find enclosed 2 copies of Chevron's Air Construction Permit Application for the above referenced existing facility. Also enclosed is a check in the amount of $2000 for the application fee and a copy of the Power of Attorney which gives me the authority to sign the permit application for Chevron U.S.A. Products Company.

Since our refineries will no longer be producing mid-grade unleaded gasoline, Chevron will be installing an in-line blending unit at the loading rack. There will be a slight increase in component count which has been taken into account in the calculations.

This facility currently operates under permit no. A003-245914. The current permit limits Chevron's through-put to 84 Mgal/yr of gasoline, 23 Mgal/yr of diesel, and 3 Mgal/yr of jet fuel. The enclosed application indicates a modified through-put limit of 175 Mgal/yr. The modified through-put limits are made up of 146,238,126 gal/yr high volatility products (gasoline and aviation gasoline) and 28,761,874 low volatility products (diesel and jet A).

If you have any questions or need further information please contact me at (713) 754-3668.

Sincerely,

Brenda J. Berry

Brenda J. Berry
Associate Compliance Specialist

enclosures

cc: R. L. Gainey
W. H. Roe w/o enclosure
H. J. O'Donnell w/o enclosure

Telecom w/ Dan Adams, PE
6/28/95 G&E Engineering

- Want us to hold application.
- Will send new information documenting changes in tank usage and emissions.
- Will include cover letter documenting request to stop work on application
- Send in within one week.

Recycled
Recyclable

Chevron

Chevron U.S.A. Products Company
575 Market Street
San Francisco, CA 94105

David C. Smith
Vice President , Marketing
Phone 415 894 3232

May 11, 1994

RECEIVED

JUN 19 1995

Northwest Florida
DEP

TO WHOM IT MAY CONCERN:

The following facts are recited for purposes of demonstrating compliance with 40 CFR § 122.22 (a) (1) and its counterpart in state regulations governing water quality.

Chevron U.S.A. Products Company (Chevron) is a nation-wide company that markets motor fuels and other refined products. The Chevron Regional Marketing Office for the Central Region (covering the states of Texas, Oklahoma, Arkansas, Alabama, Mississippi, Louisiana and the Florida Panhandle) is located in Houston, Texas, has more than 250 employees and has gross annual sales exceeding $25 million.

Authority within the company to sign permits, modifications for permits, and compliance reports for the Central Region is delegated to the Operations Manager, Marketing. The Operations Manager, Marketing has full decision making responsibility for compliance with applicable state and local laws and regulations for states within the Central Region.

D Smith.

DAVID C. SMITH
Vice President, Marketing
Chevron U.S.A. Products Company

POWER OF ATTORNEY

This Power of Attorney authorizes **Brenda J. Berry** to sign, on behalf of Chevron U.S.A. Products Company, any and all environmental permit applications, reports associated with environmental permits, and environmental related notifications. This Power of Attorney applies to applications and reports associated with both federal and state environmental laws including but not limited to the Clean Water Act, the Clean Air Act, and the Resource Conservation and Recovery Act.

Roger H. Zink
Operations Manager
Central Region-Marketing
Chevron U.S.A. Products Company

10X29.DVH
EM1-b63

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
WASHINGTON, D.C. 20460

AUG 3 - 1982 CRL
Rec'd

OFFICE OF WATER

JUL 22 1982

cc: G.P. Haley

C. Robert Lupcho
Senior Specialist - Environmental
Marketing Operations
Chevron U.S.A. Inc.
575 Market Street
San Francisco, California 94105

Dear Mr. Lupcho:

I am writing in response to your letter dated May 7, 1982, which requested an interpretation of the permit application signatory requirement of 40 CFR §122.6(a)(1) and its application to Division Operation Managers of Chevron U.S.A. Marketing, the Marketing Division of Chevron U.S.A. Inc. Title 40 CFR §122.6(a)(1) currently requires permit applications submitted on behalf of a corporation to be signed by "a principal executive officer of at least the level of vice-president." The term "principal executive officer" is not defined, nor is the term "level of vice-president." EPA published an interpretative notice in the Federal Register on August 6, 1980 (45 Fed. Reg. 52149), clarifying that an officer performing "policy-making functions" similar to those performed by a vice-president may sign applications. The notice states that a policy-making divisional vice-president would qualify, but a plant manager would not unless he had corporate policy-making functions.

On November 16, 1981, EPA signed a Settlement Agreement in NRDC v. EPA, (No. 80-1607 and consolidated cases), one issue of which pertained to the signatory provision of section 122.6. In accordance with that settlement, EPA recently proposed regulatory revisions to the signatory provision (47 Fed. Reg. 25546, June 14, 1982). I believe that this proposal, if adopted as a final rule, will resolve many concerns regarding the requirements for signatories of permit applications in the Consolidated Permit Regulations.

To minimize inconvenience pending final rulemaking EPA will take as liberal a view as possible of the requirements of the existing rules. With this principle in mind, I will respond as requested regarding Chevron Division Operations Managers. Based on the information given in your letter, it appears that the nine Division Operations Managers do have responsibility

for the overall direction of each of their Divisions and thus do have the requisite authority to sign permit applications. An EPA Regional Administrator might nevertheless conclude differently based upon a close examination of all pertinent facts.

I hope this satisfactorily responds to your request. If I can provide further information or clarification, please let me know.

Sincerely yours,

Bruce R. Barrett

Bruce R. Barrett
Director
Office of Water Enforcement
and Permits

AC 03-272821
31014

Department of
Environmental Protection

DIVISION OF AIR RESOURCES MANAGEMENT

APPLICATION FOR AIR PERMIT - LONG FORM

RECEIVED
JUN 19 1995
Northwest Florida
DEP

See Instructions for Form No. 62-210.900(1)

I. APPLICATION INFORMATION

This section of the Application for Air Permit form provides general information on the scope of this application, the purpose for which this application is being submitted, and the nature of any construction or modification activities proposed as a part of this application. This section also includes information on the owner or authorized representative of the facility (or the responsible official in the case of a Title V source) and the necessary statements for the applicant and professional engineer, where required, to sign and date for formal submittal of the Application for Air Permit to the Department. If the application form is submitted to the Department on diskette, this section of the Application for Air Permit must also be submitted in hard-copy.

Identification of Facility Addressed in This Application

Enter the name of the corporation, business, governmental entity, or individual that has ownership or control of the facility; the facility name, if any; and a brief reference to the facility's physical location. If known, also enter the ARMS or AIRS facility identification number. This information is intended to give a quick reference, on the first page of the application form, to the facility addressed in this application. Elsewhere in the form, numbered data fields are provided for entry of the facility data in computer-input format.

Chevron U.S.A. Products Company (Chevron) Panama City Bulk Fuel Terminal 525 West Beach Drive Panama City, FL 32401

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	
2. Permit Number:	
3. PSD Number (if applicable):	
4. Siting Number (if applicable):	

Owner/Authorized Representative or Responsible Official

1. Name and Title of Owner/Authorized Representative or Responsible Official:
   Brenda Berry
   Associate Compliance Specialist

2. Owner/Authorized Representative or Responsible Official Mailing Address:

   Organization/Firm: Chevron U.S.A. Products Company
   Street Address: 1301 McKinney Street
   City: Houston State: TX Zip Code: 77010

3. Owner/Authorized Representative or Responsible Official Telephone Numbers:
   Telephone: (713)754-3668 Fax: (713)754-3780

4. Owner/Authorized Representative or Responsible Official Statement:

   I, the undersigned, am the owner or authorized representative of the facility (non-Title V source) addressed in this Application for Air Permit or the responsible official, as defined in Chapter 62-213, F.A.C., of the Title V source addressed in this application, whichever is applicable. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. Further, I agree to operate and maintain the air pollutant emissions units and air pollution control equipment described in this application so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof. If the purpose of this application is to obtain an air operation permit or operation permit revision for one or more emissions units which have undergone construction or modification, I certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit. I understand that a permit, if granted by the Department, cannot be transferred without authorization from the Department, and I will promptly notify the Department upon sale or legal transfer of any permitted emissions unit.*

   Brenda J. Berry — *Signature*

   6/14/95 — *Date*

* Attach letter of authorization if not currently on file.

Scope of Application

This Application for Air Permit addresses the following emissions unit(s) at the facility (or Title V source). An Emissions Unit Information Section (a Section III of the form) must be included for each emissions unit listed.

Emissions Unit ID	Description of Emissions Unit
10PCY03005601	Vapor Combustion Unit
10PCY03005602	High Volatility Product Storage Tanks
10PCY03005603	Low Volatility Product Storage Tanks
10PCY03005604	Miscellaneous Small Tanks
10PCY03005605	Wastewater Emission Sources
10PCY03005606	Fugitive Emissions

Purpose of Application and Category

Check one (except as otherwise indicated):

Category I: All Air Operation Permit Applications Subject to Processing Under Chapter 62-213, F.A.C.

This Application for Air Permit is submitted to obtain:

[ ] Initial air operation permit under Chapter 62-213, F.A.C., for an existing facility which is classified as a Title V source.

[ ] Initial air operation permit under Chapter 62-213, F.A.C., for a facility which, upon start up of one or more newly constructed or modified emissions units addressed in this application, would become classified as a Title V source.

Current construction permit number: _____

[ ] Air operation permit renewal under Chapter 62-213, F.A.C., for a Title V source.

Operation permit to be renewed: _____

[ ] Air operation permit revision for a Title V source to address one or more newly constructed or modified emissions units addressed in this application.

Current construction permit number: _____

Operation permit to be revised: _____

[ ] Air operation permit revision or administrative correction for a Title V source to address one or more proposed new or modified emissions units and to be processed concurrently with the air construction permit application. Also check Category III.

Operation permit to be revised/corrected: _____

[ ] Air operation permit revision for a Title V source for reasons other than construction or modification of an emissions unit. Give reason for the revision; e.g., to comply with a new applicable requirement or to request approval of an "Early Reductions" proposal.

Operation permit to be revised: _____

Reason for revision: _____

_____

Category II: All Air Operation Permit Applications Subject to Processing Under Rule 62-210.300(2)(b), F.A.C.

This Application for Air Permit is submitted to obtain:

[ ] Initial air operation permit under Rule 62-210.300(2)(b), F.A.C., for an existing facility seeking classification as a synthetic non-Title V source.

Current operation/construction permit number(s):_____

_____

[ ] Renewal air operation permit under Rule 62-210.300(2)(b), F.A.C., for a synthetic non-Title V source.

Operation permit to be renewed: _____

[ ] Air operation permit revision for a synthetic non-Title V source. Give reason for revision; e.g., to address one or more newly constructed or modified emissions units.

Operation permit to be revised: _____

Reason for revision: _____

_____

Category III: All Air Construction Permit Applications for All Facilities and Emissions Units

This Application for Air Permit is submitted to obtain:

[ ] Air construction permit to construct or modify one or more emissions units within a facility (including any facility classified as a Title V source).

Current operation permit number(s), if any: _____

[ ] Air construction permit to make federally enforceable an assumed restriction on the potential emissions of one or more existing, permitted emissions units.

Current operation permit number(s): _____

[X] Air construction permit for one or more existing, but unpermitted, emissions units.

Application Processing Fee

Check one:

[ ] Attached - Amount: $2,000 [ ] Not Applicable.

Construction/Modification Information

1. Description of Proposed Project or Alterations:

The Panama City Terminal is an existing facility that only has a permit for the operation of a recently constructed vapor control system. This application will permit all remaining emission sources while establishing product throughout limits which in turn will define the facility's potential to emit. For the facility fugitive emission source (valves, flanges, pumps), the component count includes valves and flanges necessary for piping changes required to blend gasoline from existing tanks. The piping change, which is to occur by September 1995, results in an estimated increase of 0.05 TPY in VOC fugitives.

2. Projected or Actual Date of Commencement of Construction (DD-MON-YYYY):

NA

3. Projected Date of Completion of Construction (DD-MON-YYYY):

NA

Professional Engineer Certification

1. Professional Engineer Name: Daniel E. Adams
   Registration Number: Florida PE # 40847

2. Professional Engineer Mailing Address:

   Organization/Firm: G&E Engineering, Inc.
   Street Address: 4915 S. Sherwood Forest Blvd.
   City: Baton Rouge State: LA Zip Code: 70816

3. Professional Engineer Telephone Numbers:
   Telephone: (504) 292-9007 Fax: (504) 292-3614

4. Professional Engineer Statement:

I, the undersigned, hereby certify, except as particularly noted herein, that:*

(1) To the best of my knowledge, there is reasonable assurance (a) that the air pollutant emissions unit(s) and the air pollution control equipment described in this Application for Air Permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; or (b) for any application for a Title V source air operation permit, that each emissions unit described in this Application for Air Permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance schedule is submitted with this application;

(2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application; and

(3) For any application for an air construction permit for one or more proposed new or modified emissions units, the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.

Signature

Date May 19, 1995

(seal)

* Attach any exception to certification statement.

Application Contact

1. Name and Title of Application Contact:

   Brenda Berry
   Associate Compliance Specialist

2. Application Contact Mailing Address:

   Organization/Firm: Chevron U.S.A. Products Company
   Street Address: P.O. Box 4256
   City: Houston State: TX Zip Code: 77210

3. Application Contact Telephone Numbers:
   Telephone: (713)754-3668 Fax: (713)754-3780

Application Comment

II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Name, Location, and Type

1. Facility Owner or Operator: Chevron U.S.A. Products Company			
2. Facility Name: Panama City Bulk Fuel Terminal			
3. Facility Identification Number: 10PCY03005601		[ ] Unknown	
4. Facility Location Information: Facility Street Address: 525 West Beach Drive City: Panama City	County: Bay	Zip Code: 32401	
5. Facility UTM Coordinates: Zone: 16	East (km): 628.4	North (km): 3336.7	
6. Facility Latitude/Longitude: Latitude (DD/MM/SS):	Longitude (DD/MM/SS):		
7. Governmental Facility Code:	8. Facility Status Code: A	9. Relocatable Facility? [ ] Yes [X] No	10.Facility Major Group SIC Code: 29
11. Facility Comment:			

Facility Contact

1. Name and Title of Facility Contact: Dick Gainey, Terminal Manager		
2. Facility Contact Mailing Address: Organization/Firm: Chevron U.S.A. Products Company Street Address: 525 West Beach Drive City: Panama City	State: FL	Zip Code: 32401
3. Facility Contact Telephone Numbers: Telephone: (904) 785-7426	Fax: (904) 784-1566	

Facility Regulatory Classifications

1. Small Business Stationary Source? [ ] Yes [X] No [ ] Unknown
2. Title V Source? [X] Yes [ ] No
3. Synthetic Non-Title V Source? [ ] Yes [X] No
4. Major Source of Pollutants Other than Hazardous Air Pollutants (HAPs)? [ ] Yes [X] No
5. Synthetic Minor Source of Pollutants Other than HAPs? [X] Yes [ ] No
6. Major Source of Hazardous Air Pollutants (HAPs)? [ ] Yes [X] No [ ] Possible
7. Synthetic Minor Source of HAPs? [X] Yes [ ] No
8. One or More Emissions Units Subject to NSPS? [X] Yes [ ] No
9. One or More Emission Units Subject to NESHAP? [ ] Yes [X] No
10. Title V Source by EPA Designation? [X] Yes [ ] No
11. Facility Regulatory Classifications Comment: Total VOC emissions are restricted to less than 100 TPY and toxics to less than 10 TPY for any one HAP and 25 TPY for all HAP's by limits on throughput. Applicability of NSPS XX requires this otherwise synthetic minor source to be regulated as a Title V facility.

B. FACILITY REGULATIONS

Depending on the application category, this subsection of the Application for Air Permit form provides either a brief analysis or detailed listing of federal, state, and local regulations applicable to the facility as a whole. (Regulations applicable to individual emissions units within the facility are addressed in Subsection III-B of the form.)

Rule Applicability Analysis (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

The facility is subject to the general provisions of FAC 62-212.300, "Sources Not Subject to Prevention of Significant Deterioration or Nonattainment Requirements." It is also subject to FAC 62-296.320 (2) which prohibits objectionable off plant property odors. The loading rack is subject to NSPS 40CFR60, Subpart XX. Facility storage tanks exceeding 42,000 gallon capacity and a vapor pressure of 1.5 psi are subject to FAC 62-296.508, "Petroleum Liquid Storage."

List of Applicable Regulations (Required for Category I applications and Category III applications involving Title-V sources. See Instructions.)

See Preceding Page	

C. FACILITY POLLUTANT INFORMATION

This subsection of the Application for Air Permit form allows for the reporting of potential and estimated emissions of selected pollutants on a facility-wide basis. It must be completed for each pollutant for which the applicant proposes to establish a facility-wide emissions cap and for each pollutant for which emissions are not reported at the emissions-unit level.

Facility Pollutant Information: Pollutant 1 of 2

1. Pollutant Emitted: VOC		
2. Estimated Emissions: See individual emission unit data sheets		(tons/year)
3. Requested Emissions Cap:	(lb/hour) NA	(tons/year) 48.90
4. Basis for Emissions Cap Code: Other, See Comment.		
5. Facility Pollutant Comment: To prevent the facility from being a major source by virtue of emitting more than 100 TPY of VOC.		

Facility Pollutant Information: Pollutant 2 of 2

1. Pollutant Emitted: H126, Methyl tert butyl ether		
2. Estimated Emissions: See individual emission unit data sheets		(tons/year)
3. Requested Emissions Cap:	(lb/hour) NA	(tons/year) 4.91
4. Basis for Emissions Cap Code: ESCT III		
5. Facility Pollutant Comment:		

Facility Pollutant Information: Pollutant _____ of _____

1. Pollutant Emitted:		
2. Estimated Emissions:		(tons/year)
3. Requested Emissions Cap:	(lb/hour)	(tons/year)
4. Basis for Emissions Cap Code:		
5. Facility Pollutant Comment:		

Facility Pollutant Information: Pollutant _____ of _____

1. Pollutant Emitted:		
2. Estimated Emissions:		(tons/year)
3. Requested Emissions Cap:	(lb/hour)	(tons/year)
4. Basis for Emissions Cap Code:		
5. Facility Pollutant Comment:		

D. FACILITY SUPPLEMENTAL INFORMATION

This subsection of the Application for Air Permit form provides supplemental information related to the facility as a whole. (Supplemental information related to individual emissions units within the facility is provided in Subsection III-I of the form.) Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

Supplemental Requirements for All Applications

1. Area Map Showing Facility Location:	[X] Attached, Document ID: Fig 1	[ ] Not Applicable	[ ] Waiver Requested
2. Facility Plot Plan:	[X] Attached, Document ID: Fig 2	[ ] Not Applicable	[ ] Waiver Requested
3. Process Flow Diagram(s):	[X] Attached, Document ID: Fig 3	[ ] Not Applicable	[ ] Waiver Requested
4. Precautions to Prevent Emissions of Unconfined Particulate Matter:	[ ] Attached, Document ID:_____	[X] Not Applicable	[ ] Waiver Requested
5. Fugitive Emissions Identification:	[X] Attached, Document ID: Fig 2	[ ] Not Applicable	[ ] Waiver Requested
6. Supplemental Information for Construction Permit Application:	[ ] Attached, Document ID:_____	[X] Not Applicable	

Additional Supplemental Requirements for Category I Applications Only

7. List of Insignificant Activities:	[ ] Attached, Document ID:_____	[X] Not Applicable
8. List of Equipment/Activities Regulated under Title VI:	[ ] Attached, Document ID:_____ [ ] Equipment/Activities Onsite but Not Required to be Individually Listed [X] Not Applicable	

9. Alternative Methods of Operation: [ ] Attached, Document ID:_____ [X] Not Applicable
10. Alternative Modes of Operation (Emissions Trading): [ ] Attached, Document ID:_____ [X] Not Applicable
11. Enhanced Monitoring Plan: [ ] Attached, Document ID:_____ [X] Not Applicable
12. Risk Management Plan Verification: [ ] Plan Submitted to Implementing Agency - Verification Attached, Document ID:_____ [ ] Plan to be Submitted to Implementing Agency by Required Date [X] Not Applicable
13. Compliance Report and Plan [ ] Attached, Document ID:_____ [X] Not Applicable
14. Compliance Statement (Hard-copy Required) [ ] Attached, Document ID:_____ [X] Not Applicable

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

This subsection of the Application for Air Permit form provides general information on the emissions unit addressed in this Emissions Unit Information Section, including information on the type, control equipment, operating capacity, and operating schedule of the emissions unit.

Type of Emissions Unit Addressed in This Section

Check one:

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, an individually-regulated emission point (stack or vent) serving a single process or production unit, or activity, which also has other individually-regulated emission points.

[X] This Emissions Unit Information Section addresses, as a single emissions unit, a collectively-regulated group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section:
   Loading rack vapor collection unit and flare. Emission unit associated with all transfer losses occurring at the facility. Fugitives emissions at loading rack are accounted for in Emission Unit Information Section 6 of 6.

2. ARMS Identification Number: [ ] No Corresponding ID [X] Unknown

3. Emissions Unit Status Code:	4. Acid Rain Unit?	5. Emissions Unit Major Group SIC Code:
A	[ ] Yes [X] No	29

6. Initial Startup Date (DD-MON-YYYY):
   NA

7. Long-term Reserve Shutdown Date (DD-MON-YYYY):
   NA

8. Package Unit: John Zink Combuster
   Manufacturer: Model Number: VC-2TOF1TC-6 400-2

9. Generator Nameplate Rating: MW
   NA

10. Incinerator Information: NA
    Dwell Temperature: °F
    Dwell Time: seconds
    Incinerator Afterburner Temperature : °F

11. Emissions Unit Comment:

    This emission unit currently operating under Permit # A003-245914

Emissions Unit Control Equipment

A.

1. Description: The vapor collection system's control is the John Zink combustion unit (Flare). Note: Details on the unit are on file with the application resulting in DEP permit #A003-245914.
2. Control Device or Method Code: 023

B.

1. Description:
2. Control Device or Method Code:

C.

1. Description:
2. Control Device or Method Code:

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate: NA		mmBtu/hr
2. Maximum Incineration Rate: NA	lb/hr	tons/day
3. Maximum Process or Throughput Rate: 64,000 gallons gasoline per hour		
4. Maximum Production Rate: 175,000,000 gallons of product per year		
5. Operating Capacity Comment:		

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:

24	hours/day	7	days/week
52	weeks/year	8,760	hours/year

B. EMISSIONS UNIT REGULATIONS

Depending on the application category, this subsection of the Application for Air Permit form provides either a brief analysis or detailed listing of all federal, state, and local regulations applicable to the emissions unit addressed in this Emissions Unit Information Section.

Rule Applicability Analysis (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

The emission unit is subject to the general provisions of FAC 62-212.300; "Sources Not Subject to Prevention of Significant Deterioration or Nonattainment Requirements." It is also subject to (1) NSPS 40 CFR 60, Subpart XX which restricts emissions to 35 mg/L of product transferred. VE restricted to not more than 5% opacity and (2) FAC 62-296.320(2) which prohibits objectionable off plant property odors.

<u>List of Applicable Regulations</u> (Required for Category I applications and Category III applications involving Title-V sources. See Instructions.)

See Preceding Page	

C. EMISSION POINT (STACK/VENT) INFORMATION

This subsection of the Application for Air Permit form provides information about the emission point associated with the emissions unit addressed in this Emissions Unit Information Section. An emission point is typically a stack or vent but can be any identifiable location at which air pollutants, including fugitive emissions, are discharged into the atmosphere.

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram: VCU Vapor Combustion Unit	
2. Emission Point Type Code: [X] 1 [ ] 2 [ ] 3 [ ] 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit: Flare tip	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: Only the vapor collection system is associated with this emission point.	
5. Discharge Type Code: [ ] D [ ] F [ ] H [ ] P [ ] R [X] V [ ] W	
6. Stack Height:	feet 45
7. Exit Diameter:	feet 8
8. Exit Temperature:	°F 1,800
9. Actual Volumetric Flow Rate:	acfm 166,000

10. Vapor :	Percent Water %
11. Standard Flow Rate:	Maximum Dry dscfm
12. Nonstack Emission Point Height:	feet
13. Emission Point UTM Coordinates: Zone: East (km): North (km):	
14. Emission Point Comment:	

D. SEGMENT (PROCESS/FUEL) INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of segment data (Fields 1-10) must be completed for each segment required to be reported and for each alternative operating method or mode (emissions trading scenario) under Chapter 62-213, F.A.C., for which the maximum hourly or annual segment-related rate would vary. A segment is a material handling, process, fuel burning, volatile organic liquid storage, production, or other such operation to which emissions of the unit are directly related. See instructions for further details on this subsection of the Application for Air Permit.

Segment Description and Rate: Segment __1__ of __1__

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): Vapor Combustion Unit - Total Losses	
2. Source Classification Code (SCC): 40400152	
3. SCC Units: 1,000 gallons transferred	
4. Maximum Hourly Rate: 64 (1,000 gallons transferred)	5. Maximum Annual Rate: 175,000 (1,000 gallons transferred)
6. Estimated Annual Activity Factor:	
7. Maximum Percent Sulfur: 0.02%	8. Maximum Percent Ash: NA
9. Million Btu per SCC Unit: NA	
10. Segment Comment: The Flare uses propane as an auxiliary fuel at an average rate of 21 SCFH and a maximum rate of 72 SCFM (per existing permit).	

E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

Pollutant Potential/Estimated Emissions: Pollutant 1 of 7

1. Pollutant Emitted: VOC		
2. Total Percent Efficiency of Control:		94%
3. Primary Control Device Code: 023		
4. Secondary Control Device Code: NA		
5. Potential Emissions:	5.836 lb/hour	25.56 tons/year
6. Synthetically Limited? [X] Yes [ ] No		
7. Range of Estimated Fugitive/Other Emissions: [ ] 1 [ ] 2 [ ] 3	_____ to _____ tons/year	
8. Emission Factor: 35 mg/L of product transferred Reference: 40 CFR 60 Subpart XX		
9. Emissions Method Code: [ ] 1 [ ] 2 [ ] 3 [ ] 4 [X] 5		
10. Calculation of Emissions: Support calculations are attached. A compliance test indicating that the unit operates within the 35 mg/L requirement is provided with the calculations. For continuous un-monitored emissions the 35 mg/L of product transferred factor is utilized.		
11. Pollutant Potential/Estimated Emissions Comment:		

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: ESCTV (see comment)
2. Future Effective Date of Allowable Emissions: NA
3. Requested Allowable Emissions and Units: Same as NSPS XX, ie, 35 mg/L product transferred
4. Equivalent Allowable Emissions: 5.836 lb/hour 25.56 tons/year
5. Method of Compliance: (1) Annual VE Testing, (2) VOC testing prior to permit expiration, and (3) records of total product throughput at the loading rack.
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): To restrict total facility VOC emissions to less than 100 TPY, annual fuel transferred will be restricted to 146,238,126 gallons high volatility product (gasoline and aviation gasoline and 28,761,874 gallons low volatility product (diesel and jet A). However, since the facility is covered by NSPS 40 CFR 60, Subpart XX, it remains a Title V Source unless the rule changes.

B.

1. Basis for Allowable Emissions Code:
2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:
4. Equivalent Allowable Emissions: lb/hr tons/year
5. Method of Compliance:
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):

E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

Pollutant Potential/Estimated Emissions: Pollutant 2 of 7

1. Pollutant Emitted: Benzene, ID #H017		
2. Total Percent Efficiency of Control:		94%
3. Primary Control Device Code: 023		
4. Secondary Control Device Code:		
5. Potential Emissions:	0.041 lb/hour	0.18 tons/year
6. Synthetically Limited? [ ] Yes [X] No		
7. Range of Estimated Fugitive/Other Emissions: [ ] 1 [ ] 2 [ ] 3	_____ to _____ tons/year	
8. Emission Factor: 0.7lbs benzene per 100 lbs vapor Reference: Chevron analysis of product		
9. Emissions Method Code: [ ] 1 [X] 2 [ ] 3 [ ] 4 [ ] 5		
10. Calculation of Emissions: Support calculations are attached		
11. Pollutant Potential/Estimated Emissions Comment: Emission factor is based on a one time product analysis and future composition could vary to a small extent. A specific condition on benzene should allow for a 100% higher concentration.		

E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

Pollutant Potential/Estimated Emissions: Pollutant 3 of 7

1. Pollutant Emitted: Toluene, ID # H169		
2. Total Percent Efficiency of Control:		94%
3. Primary Control Device Code: 023		
4. Secondary Control Device Code:		
5. Potential Emissions:	0.064 lb/hour	0.28 tons/year
6. Synthetically Limited? [ ] Yes [X] No		
7. Range of Estimated Fugitive/Other Emissions: [ ] 1 [ ] 2 [ ] 3	_____ to _____ tons/year	
8. Emission Factor: 0.9 lbs toluene per 100 lbs vapor Reference: Chevron analysis of product		
9. Emissions Method Code: [ ] 1 [X] 2 [ ] 3 [ ] 4 [ ] 5		
10. Calculation of Emissions: Support calculations are attached.		
11. Pollutant Potential/Estimated Emissions Comment: Emission factor is based on a one time product analysis and future composition could vary to a small extent. A specific condition on toluene should allow for a 100% higher concentration.		

E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

Pollutant Potential/Estimated Emissions: Pollutant 4 of 7

1. Pollutant Emitted: Ethylbenzene, ID # H085		
2. Total Percent Efficiency of Control:		94%
3. Primary Control Device Code: 023		
4. Secondary Control Device Code:		
5. Potential Emissions:	0.007 lb/hour	0.03 tons/year
6. Synthetically Limited? [ ] Yes [X] No		
7. Range of Estimated Fugitive/Other Emissions: [ ] 1 [ ] 2 [ ] 3	_____ to _____ tons/year	
8. Emission Factor: 0.1 lbs ethylbenzene per 100 lbs vapor Reference: Chevron analysis of product		
9. Emissions Method Code: [ ] 1 [X] 2 [ ] 3 [ ] 4 [ ] 5		
10. Calculation of Emissions: Support calculations are attached.		
11. Pollutant Potential/Estimated Emissions Comment: Emission factor is based on a one time product analysis, and future composition could cary to a small extent. A specific condition on ethylbenzene should allow for a 100% higher concentration.		

E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

Pollutant Potential/Estimated Emissions: Pollutant __5__ of __7__

1. Pollutant Emitted: Xylenes, ID # H186		
2. Total Percent Efficiency of Control:		94%
3. Primary Control Device Code: 023		
4. Secondary Control Device Code:		
5. Potential Emissions:	0.023 lb/hour	0.10 tons/year
6. Synthetically Limited? [ ] Yes [X] No		
7. Range of Estimated Fugitive/Other Emissions: [ ] 1 [ ] 2 [ ] 3	_____ to _____ tons/year	
8. Emission Factor: 0.2 lbs xylenes per 100 lbs vapor Reference: Chevron analysis of product		
9. Emissions Method Code: [ ] 1 [X] 2 [ ] 3 [ ] 4 [ ] 5		
10. Calculation of Emissions: Support calculations are attached.		
11. Pollutant Potential/Estimated Emissions Comment: Emission factor is based one a one time product analysis and future composition could vary to a small extent. A specific condition on xylenes should allow for a 100% higher concentration.		

E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

Pollutant Potential/Estimated Emissions: **Pollutant 6 of 7**

1. Pollutant Emitted: n-hexane, ID # H104		
2. Total Percent Efficiency of Control:		94 %
3. Primary Control Device Code: 023		
4. Secondary Control Device Code:		
5. Potential Emissions:	0.082 lb/hour	0.36 tons/year
6. Synthetically Limited? [ ] Yes [X] No		
7. Range of Estimated Fugitive/Other Emissions: [ ] 1 [ ] 2 [ ] 3	_____ to _____ tons/year	
8. Emission Factor: 1 lbs n-hexane per 100 lbs vapor Reference: Chevron analysis of product		
9. Emissions Method Code: [ ] 1 [X] 2 [ ] 3 [ ] 4 [ ] 5		
10. Calculation of Emissions: Support calculations are attached.		
11. Pollutant Potential/Estimated Emissions Comment: Emission factor is based on a one time product analysis, and future composition could vary to a small extent. A specific condition on xylenes should allow for a 100% higher concentration.		

E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

Pollutant Potential/Estimated Emissions: Pollutant 7 of 7

1. Pollutant Emitted: MTBE, ID # H126		
2. Total Percent Efficiency of Control:		94 %
3. Primary Control Device Code: 023		
4. Secondary Control Device Code:		
5. Potential Emissions:	0.694 lb/hour	3.04 tons/year
6. Synthetically Limited? [X] Yes [ ] No		
7. Range of Estimated Fugitive/Other Emissions: [ ] 1 [ ] 2 [ ] 3	_____ to _____ tons/year	
8. Emission Factor: 13 lbs MTBE per 100 lbs vapor Reference: Chevron analysis of product		
9. Emissions Method Code: [ ] 1 [X] 2 [ ] 3 [ ] 4 [ ] 5		
10. Calculation of Emissions: Support calculations are attached.		
11. Pollutant Potential/Estimated Emissions Comment:		

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: ESCT III		
2. Future Effective Date of Allowable Emissions: NA		
3. Requested Allowable Emissions and Units: 13 lbs MTBE per 100 lbs vapor		
4. Equivalent Allowable Emissions:	0.694 lb/hour	3.04 tons/year
5. Method of Compliance: Running annual MTBE composition not to exceed 13% of vapor and total running annual gasoline throughput not to exceed 146,238,126 gallons.		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

B.

1. Basis for Allowable Emissions Code:		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units:		
4. Equivalent Allowable Emissions:	lb/hr	tons/year
5. Method of Compliance:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

F. VISIBLE EMISSIONS INFORMATION

This subsection of the Application for Air Permit form must be completed for only those emissions units which are subject to a visible emissions limitation. The intent of this subsection of the form is to identify each activity associated with the emissions unit addressed in this section for which a separate opacity limitation would be applicable. Visible emission subtype codes for each such activity are listed in the instructions for Field 1. Most emissions units will be subject to a "subtype VE" limit only.

Visible Emissions Limitation: Visible Emissions Limitation 1 of 1

1. Visible Emissions Subtype: VE
2. Basis for Allowable Opacity: [X] Rule [ ] Other
3. Requested Allowable Opacity: Normal Conditions: 5 % Exceptional Conditions: NA % Maximum Period of Excess Opacity Allowed: NA min/hour
4. Method of Compliance: Annual testing via EPA method 22(17-297.401)
5. Visible Emissions Comment: FAC Rule 62-292.800(2)(a)

I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

This subsection of the Application for Air Permit form provides supplemental information related to the emissions unit addressed in this Emissions Unit Information Section. Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

Supplemental Requirements for All Applications

1. Process Flow Diagram [X] Attached, Document ID: Fig #3 [ ] Not Applicable [ ] Waiver Requested
2. Fuel Analysis or Specification [X] Attached, Document ID: Calcs. [ ] Not Applicable [ ] Waiver Requested
3. Detailed Description of Control Equipment [ ] Attached, Document ID:_____ [ ] Not Applicable [X] Waiver Requested Previously submitted within 5 years.
4. Description of Stack Sampling Facilities [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested
5. Compliance Test Report [X] Attached, Document ID: Combustion Unit Calculations [ ] Previously submitted, Date:_____ [ ] Not Applicable
6. Procedures for Startup and Shutdown [ ] Attached, Document ID:_____ [X] Not Applicable
7. Operation and Maintenance Plan [ ] Attached, Document ID:_____ [X] Not Applicable
8. Supplemental Information for Construction Permit Application [ ] Attached, Document ID:_____ [X] Not Applicable
9. Other Information Required by Rule or Statute [ ] Attached, Document ID:_____ [X] Not Applicable

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

This subsection of the Application for Air Permit form provides general information on the emissions unit addressed in this Emissions Unit Information Section, including information on the type, control equipment, operating capacity, and operating schedule of the emissions unit.

Type of Emissions Unit Addressed in This Section

Check one:

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, an individually-regulated emission point (stack or vent) serving a single process or production unit, or activity, which also has other individually-regulated emission points.

[X] This Emissions Unit Information Section addresses, as a single emissions unit, a collectively-regulated group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section:
High Volatility Product Storage Tanks including the following:

Tank 1 (Unleaded Gasoline)	Internal Floating Roof
Tank 67 (Aviation Gasoline)	Internal Floating Roof
Tank 78 (Unleaded Gasoline)	Internal Floating Roof
Tank 84 (Unleaded Gasoline)	External Floating Roof

2. ARMS Identification Number: [ ] No Corresponding ID [X] Unknown

3. Emissions Unit Status Code:	4. Acid Rain Unit?	5. Emissions Unit Major Group SIC Code:
A	[ ] Yes [X] No	29

6. Initial Startup Date (DD-MON-YYYY):
NA

7. Long-term Reserve Shutdown Date (DD-MON-YYYY):
NA

8. Package Unit:
Manufacturer: NA Model Number: NA

9. Generator Nameplate Rating: NA MW

10. Incinerator Information: NA
Dwell Temperature: °F
Dwell Time: seconds
Incinerator Afterburner Temperature : °F

11. Emissions Unit Comment:

For permitting purposes, the four storage tanks storing highly volatile products are grouped as a single source.

Emissions Unit Control Equipment

A.

1. Description:
   Tanks 1, 67, and 78 are equipped with internal floating roofs. Tank 84 is equipped with an external floating roof and a geodesic dome.

2. Control Device or Method Code:
   091

B.

1. Description:
   NA

2. Control Device or Method Code:
   NA

C.

1. Description:
   NA

2. Control Device or Method Code:
   NA

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate: NA		mmBtu/hr
2. Maximum Incineration Rate: NA	lb/hr	tons/day
3. Maximum Process or Throughput Rate: NA		
4. Maximum Production Rate: NA		
5. Operating Capacity Comment: NA		

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:	
24 hours/day	7 days/week
52 weeks/year	8,760 hours/year

B. EMISSIONS UNIT REGULATIONS

Depending on the application category, this subsection of the Application for Air Permit form provides either a brief analysis or detailed listing of all federal, state, and local regulations applicable to the emissions unit addressed in this Emissions Unit Information Section.

Rule Applicability Analysis (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

The facility is subject to the general provisions of FAC 62-212.300, "Sources Not Subject to Prevention of Significant Deterioration or Nonattainment Requirements". The four storage tanks comprising this emissions unit are also subject to the requirements of FAC 62-296.508, "Petroleum Liquid Storage".

C. EMISSION POINT (STACK/VENT) INFORMATION

This subsection of the Application for Air Permit form provides information about the emission point associated with the emissions unit addressed in this Emissions Unit Information Section. An emission point is typically a stack or vent but can be any identifiable location at which air pollutants, including fugitive emissions, are discharged into the atmosphere.

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram: Tanks 1, 67, 78, and 84	
2. Emission Point Type Code: [ ] 1 [ ] 2 [X] 3 [ ] 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit: NA	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NA	
5. Discharge Type Code: [ ] D [X] F [ ] H [ ] P [ ] R [ ] V [ ] W	
6. Stack Height: NA	feet
7. Exit Diameter: NA	feet
8. Exit Temperature: NA	°F
9. Actual Volumetric Flow Rate: NA	acfm

10. Percent Water Vapor : %
    NA

11. Maximum Dry Standard Flow Rate: dscfm
    NA

12. Nonstack Emission Point Height: feet
    See comment below.

13. Emission Point UTM Coordinates:
    Zone: East (km): North (km):

14. Emission Point Comment:

	Tank Height	Tank Diameter	Storage Capacity
Tank 1	40'	96'	1,710,618 gallons
Tank 67	48' 1"	55'	699,552 gallons
Tank 78	48'	67'	1,053,990 gallons
Tank 84	46' 1"	69'	1,103,970 gallons

D. SEGMENT (PROCESS/FUEL) INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of segment data (Fields 1-10) must be completed for each segment required to be reported and for each alternative operating method or mode (emissions trading scenario) under Chapter 62-213, F.A.C., for which the maximum hourly or annual segment-related rate would vary. A segment is a material handling, process, fuel burning, volatile organic liquid storage, production, or other such operation to which emissions of the unit are directly related. See instructions for further details on this subsection of the Application for Air Permit.

Segment Description and Rate: Segment 1 of 8

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): Tank 1 - Standing Losses	
2. Source Classification Code (SCC): 40400111	
3. SCC Units: 1,000 gallons storage capacity	
4. Maximum Hourly Rate: NA	5. Maximum Annual Rate: NA
6. Estimated Annual Activity Factor: 1,711 (1,000 gallons)	
7. Maximum Percent Sulfur: NA	8. Maximum Percent Ash: NA
9. Million Btu per SCC Unit: NA	
10. Segment Comment: NA	

Emissions Unit Information Section 2 of 6

Segment Description and Rate: Segment 2 of 8

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): Tank 1 - Withdrawal Losses	
2. Source Classification Code (SCC): 40400116	
3. SCC Units: 1,000 gallons throughout	
4. Maximum Hourly Rate: NA	5. Maximum Annual Rate: 90,250 (1,000 gallons)
6. Estimated Annual Activity Factor: NA	
7. Maximum Percent Sulfur: NA	8. Maximum Percent Ash: NA
9. Million Btu per SCC Unit: NA	
10. Segment Comment: NA	

D. SEGMENT (PROCESS/FUEL) INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of segment data (Fields 1-10) must be completed for each segment required to be reported and for each alternative operating method or mode (emissions trading scenario) under Chapter 62-213, F.A.C., for which the maximum hourly or annual segment-related rate would vary. A segment is a material handling, process, fuel burning, volatile organic liquid storage, production, or other such operation to which emissions of the unit are directly related. See instructions for further details on this subsection of the Application for Air Permit.

Segment Description and Rate: Segment 3 of 8

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): Tank 67 - Standing Losses	
2. Source Classification Code (SCC): 40400111	
3. SCC Units: 1,000 gallons storage capacity	
4. Maximum Hourly Rate: NA	5. Maximum Annual Rate: NA
6. Estimated Annual Activity Factor: 700 (1,000 gallons)	
7. Maximum Percent Sulfur: NA	8. Maximum Percent Ash: NA
9. Million Btu per SCC Unit: NA	
10. Segment Comment: NA	

Segment Description and Rate: Segment 4 of 8

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): Tank 67 - Withdrawal Losses	
2. Source Classification Code (SCC): 40400116	
3. SCC Units: 1,000 gallons transferred	
4. Maximum Hourly Rate: NA	5. Maximum Annual Rate: 5,201 (1,000 gallons)
6. Estimated Annual Activity Factor: NA	
7. Maximum Percent Sulfur: NA	8. Maximum Percent Ash: NA
9. Million Btu per SCC Unit: NA	
10. Segment Comment: NA	

D. SEGMENT (PROCESS/FUEL) INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of segment data (Fields 1-10) must be completed for each segment required to be reported and for each alternative operating method or mode (emissions trading scenario) under Chapter 62-213, F.A.C., for which the maximum hourly or annual segment-related rate would vary. A segment is a material handling, process, fuel burning, volatile organic liquid storage, production, or other such operation to which emissions of the unit are directly related. See instructions for further details on this subsection of the Application for Air Permit.

Segment Description and Rate: Segment 5 of 8

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): Tank 78 - Standing Losses	
2. Source Classification Code (SCC): 40400111	
3. SCC Units: 1,000 gallons storage capacity	
4. Maximum Hourly Rate: NA	5. Maximum Annual Rate: NA
6. Estimated Annual Activity Factor: 1,054 (1,000 gallons)	
7. Maximum Percent Sulfur: NA	8. Maximum Percent Ash: NA
9. Million Btu per SCC Unit: NA	
10. Segment Comment: NA	

Emissions Unit Information Section 2 of 6

Segment Description and Rate: Segment 6 of 8

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): Tank 78 - Withdrawal Losses	
2. Source Classification Code (SCC): 40400116	
3. SCC Units: 1,000 gallons transferred	
4. Maximum Hourly Rate: NA	5. Maximum Annual Rate: 25,936 (1,000 gallons)
6. Estimated Annual Activity Factor: NA	
7. Maximum Percent Sulfur: NA	8. Maximum Percent Ash: NA
9. Million Btu per SCC Unit: NA	
10. Segment Comment: NA	

D. SEGMENT (PROCESS/FUEL) INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of segment data (Fields 1-10) must be completed for each segment required to be reported and for each alternative operating method or mode (emissions trading scenario) under Chapter 62-213, F.A.C., for which the maximum hourly or annual segment-related rate would vary. A segment is a material handling, process, fuel burning, volatile organic liquid storage, production, or other such operation to which emissions of the unit are directly related. See instructions for further details on this subsection of the Application for Air Permit.

Segment Description and Rate: Segment 7 of 8

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): Tank 84 - Standing Losses	
2. Source Classification Code (SCC): 40400111	
3. SCC Units: 1,000 gallons storage capacity	
4. Maximum Hourly Rate: NA	5. Maximum Annual Rate: NA
6. Estimated Annual Activity Factor: 1,104 (1,000 gallons)	
7. Maximum Percent Sulfur: NA	8. Maximum Percent Ash: NA
9. Million Btu per SCC Unit: NA	
10. Segment Comment: NA	

Segment Description and Rate: Segment 8 of 8

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): Tank 84 - Withdrawal Losses	
2. Source Classification Code (SCC): 40400116	
3. SCC Units: 1,000 gallons transferred	
4. Maximum Hourly Rate: NA	5. Maximum Annual Rate: 24,851 (1,000 gallons)
6. Estimated Annual Activity Factor: NA	
7. Maximum Percent Sulfur: NA	8. Maximum Percent Ash: NA
9. Million Btu per SCC Unit: NA	
10. Segment Comment: NA	

E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

Pollutant Potential/Estimated Emissions: **Pollutant 1 of 7**

1. Pollutant Emitted: VOC		
2. Total Percent Efficiency of Control: NA		%
3. Primary Control Device Code: 091		
4. Secondary Control Device Code: NA		
5. Potential Emissions:	4.187 lb/hour	18.33 tons/year
6. Synthetically Limited? [X] Yes [ ] No		
7. Range of Estimated Fugitive/Other Emissions: [ ] 1 [ ] 2 [ ] 3	_____ to _____ tons/year	
8. Emission Factor: Tanks 2.0 Reference: AP-42		
9. Emissions Method Code: [ ] 1 [ ] 2 [X] 3 [ ] 4 [ ] 5		
10. Calculation of Emissions: Supporting calculations are attached.		
11. Pollutant Potential/Estimated Emissions Comment:		

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: ESCTV (see comment)
2. Future Effective Date of Allowable Emissions: NA
3. Requested Allowable Emissions and Units: NA
4. Equivalent Allowable Emissions: 4.187 lb/hour 18.33 tons/year
5. Method of Compliance: Records of product throughput will be kept.
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): To restrict facility VOC emissions to less than 100 TPY, annual fuel transferred will be restricted to 146,238,126 gallons of high volatility products (gasoline and aviation gasoline).

B.

1. Basis for Allowable Emissions Code:
2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:
4. Equivalent Allowable Emissions: lb/hr tons/year
5. Method of Compliance:
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):

E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

Pollutant Potential/Estimated Emissions: **Pollutant 2 of 7**

1. Pollutant Emitted: Benzene, ID #H017		
2. Total Percent Efficiency of Control: NA		%
3. Primary Control Device Code: 091		
4. Secondary Control Device Code: NA		
5. Potential Emissions:	0.041 lb/hour	0.18 tons/year
6. Synthetically Limited? [ ] Yes [X] No		
7. Range of Estimated Fugitive/Other Emissions: [ ] 1 [ ] 2 [ ] 3	_____ to _____ tons/year	
8. Emission Factor: 0.7 lbs benzene per 100 lbs vapor Reference: Chevron analysis of product		
9. Emissions Method Code: [ ] 1 [X] 2 [ ] 3 [ ] 4 [ ] 5		
10. Calculation of Emissions: Supporting calculations are attached.		
11. Pollutant Potential/Estimated Emissions Comment: Emission factor is based on a one time product analysis and future composition could vary to a small extent. A specific condition on benzene should allow for a 100% higher concentration.		

E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

Pollutant Potential/Estimated Emissions: Pollutant 3 of 7

1. Pollutant Emitted: Toluene, ID #H169		
2. Total Percent Efficiency of Control: NA		%
3. Primary Control Device Code: 091		
4. Secondary Control Device Code: NA		
5. Potential Emissions:	0.224 lb/hour	0.98 tons/year
6. Synthetically Limited? [ ] Yes [X] No		
7. Range of Estimated Fugitive/Other Emissions: [ ] 1 [ ] 2 [ ] 3	_____ to _____ tons/year	
8. Emission Factor: 0.9 lbs toluene per 100 lbs vapor Reference: Chevron analysis of product		
9. Emissions Method Code: [ ] 1 [X] 2 [ ] 3 [ ] 4 [ ] 5		
10. Calculation of Emissions: Supporting calculations are attached.		
11. Pollutant Potential/Estimated Emissions Comment: Emission factor is based on a one time product analysis and future composition could vary to a small extent. A specific condition on toluene should allow for a 100% higher concentration.		

E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

Pollutant Potential/Estimated Emissions: Pollutant 4 of 7

1. Pollutant Emitted: Ethylbenzene, ID #H085		
2. Total Percent Efficiency of Control: NA		%
3. Primary Control Device Code: 091		
4. Secondary Control Device Code: NA		
5. Potential Emissions:	0.041 lb/hour	0.18 tons/year
6. Synthetically Limited? [ ] Yes [X] No		
7. Range of Estimated Fugitive/Other Emissions: [ ] 1 [ ] 2 [ ] 3	_____ to _____ tons/year	
8. Emission Factor: 0.1 lbs ethylbenzene per 100 lbs vapor Reference: Chevron analysis of product.		
9. Emissions Method Code: [ ] 1 [X] 2 [ ] 3 [ ] 4 [ ] 5		
10. Calculation of Emissions: Supporting calculations are attached.		
11. Pollutant Potential/Estimated Emissions Comment: Emission factor is based on a one time product analysis and future composition could vary to a small extent. A specific condition on ethylbenzene should allow for a 100% higher concentration.		

E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

Pollutant Potential/Estimated Emissions: Pollutant 5 of 7

1. Pollutant Emitted: Xylenes, ID #H186		
2. Total Percent Efficiency of Control: NA		%
3. Primary Control Device Code: 091		
4. Secondary Control Device Code: NA		
5. Potential Emissions:	0.231 lb/hour	1.01 tons/year
6. Synthetically Limited? [ ] Yes [X] No		
7. Range of Estimated Fugitive/Other Emissions: [ ] 1 [ ] 2 [ ] 3	_____ to _____ tons/year	
8. Emission Factor: 0.2 lbs xylenes per 100 lbs vapor Reference: Chevron analysis of product		
9. Emissions Method Code: [ ] 1 [X] 2 [ ] 3 [ ] 4 [ ] 5		
10. Calculation of Emissions: Supporting calculations are attached.		
11. Pollutant Potential/Estimated Emissions Comment: Emission factor is based on a one time product analysis and future composition could vary to a small extent. A specific condition on xylene should allow for a 100% higher concentration.		

E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

Pollutant Potential/Estimated Emissions: Pollutant 6 of 7

1. Pollutant Emitted: n-hexane, ID #H104		
2. Total Percent Efficiency of Control: NA		%
3. Primary Control Device Code: 091		
4. Secondary Control Device Code: NA		
5. Potential Emissions:	0.224 lb/hour	0.98 tons/year
6. Synthetically Limited? [ ] Yes [X] No		
7. Range of Estimated Fugitive/Other Emissions: NA [ ] 1 [ ] 2 [ ] 3	_____ to _____ tons/year	
8. Emission Factor: 1 lb n-hexane per 100 lbs vapor Reference: Chevron analysis of product		
9. Emissions Method Code: [ ] 1 [X] 2 [ ] 3 [ ] 4 [ ] 5		
10. Calculation of Emissions: Supporting calculations are attached.		
11. Pollutant Potential/Estimated Emissions Comment: Emission factor is based on a one time product analysis and future composition could vary to a small extent. A specific condition on n-hexane should allow for a 100% higher concentration.		

E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

Pollutant Potential/Estimated Emissions: **Pollutant 7 of 7**

1. Pollutant Emitted: MTBE, ID #H126		
2. Total Percent Efficiency of Control: NA		%
3. Primary Control Device Code: 091		
4. Secondary Control Device Code: NA		
5. Potential Emissions:	0.331 lb/hour	1.45 tons/year
6. Synthetically Limited? [X] Yes [ ] No		
7. Range of Estimated Fugitive/Other Emissions: [ ] 1 [ ] 2 [ ] 3	_____ to _____ tons/year	
8. Emission Factor: 13 lbs MTBE per 100 lbs vapor Reference: Chevron		
9. Emissions Method Code: [ ] 1 [ ] 2 [X] 3 [ ] 4 [ ] 5		
10. Calculation of Emissions: Supporting calculations are attached.		
11. Pollutant Potential/Estimated Emissions Comment:		

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: ESCTIII		
2. Future Effective Date of Allowable Emissions: NA		
3. Requested Allowable Emissions and Units: 13 lbs MTBE per 100 lbs vapor		
4. Equivalent Allowable Emissions:	0.331 lb/hour	1.45 tons/year
5. Method of Compliance: Running annual MTBE composition not to exceed 13% vapor and total running annual gasoline throughput not to exceed 146,238,126 gallons.		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): NA		

B.

1. Basis for Allowable Emissions Code:		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units:		
4. Equivalent Allowable Emissions:	lb/hr	tons/year
5. Method of Compliance:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

This subsection of the Application for Air Permit form provides supplemental information related to the emissions unit addressed in this Emissions Unit Information Section. Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

Supplemental Requirements for All Applications

1. Process Flow Diagram [ ] Attached, Document ID:Fig 3 [ ] Not Applicable [ ] Waiver Requested
2. Fuel Analysis or Specification [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested
3. Detailed Description of Control Equipment [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested
4. Description of Stack Sampling Facilities [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver\Requested
5. Compliance Test Report [ ] Attached, Document ID:_____ [ ] Previously submitted, Date:_____ [X] Not Applicable
6. Procedures for Startup and Shutdown [ ] Attached, Document ID:_____ [X] Not Applicable
7. Operation and Maintenance Plan [ ] Attached, Document ID:_____ [X] Not Applicable
8. Supplemental Information for Construction Permit Application [ ] Attached, Document ID:_____ [X] Not Applicable
9. Other Information Required by Rule or Statute [ ] Attached, Document ID:_____ [X] Not Applicable

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

This subsection of the Application for Air Permit form provides general information on the emissions unit addressed in this Emissions Unit Information Section, including information on the type, control equipment, operating capacity, and operating schedule of the emissions unit.

Type of Emissions Unit Addressed in This Section

Check one:

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, an individually-regulated emission point (stack or vent) serving a single process or production unit, or activity, which also has other individually-regulated emission points.

[X] This Emissions Unit Information Section addresses, as a single emissions unit, a collectively-regulated group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section:

   Low Volatility Product Storage Tanks including the following:

Tank 25 (Diesel)	Fixed Roof Tank
Tank 62 (Jet A)	Fixed Roof Tank
Tank 63 (Jet A)	Fixed Roof Tank
Tank 66 (Diesel)	Fixed Roof Tank

2. ARMS Identification Number: [ ] No Corresponding ID [X] Unknown

3. Emissions Unit Status Code: A	4. Acid Rain Unit? [ ] Yes [X] No	5. Emissions Unit Major Group SIC Code: 29

6. Initial Startup Date (DD-MON-YYYY): NA

7. Long-term Reserve Shutdown Date (DD-MON-YYYY): NA

8. Package Unit: NA
   Manufacturer: Model Number: NA

9. Generator Nameplate Rating: NA MW

10. Incinerator Information: NA
    Dwell Temperature: °F
    Dwell Time: seconds
    Incinerator Afterburner Temperature: °F

11. Emissions Unit Comment:

    For permitting purposes, the four storage tanks used to store low volatility products are grouped together. No control equipment is associated with these storage tanks.

Emissions Unit Control Equipment

A.

1. Description: NA
2. Control Device or Method Code: NA

B.

1. Description:
2. Control Device or Method Code:

C.

1. Description:
2. Control Device or Method Code:

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate: NA		mmBtu/hr
2. Maximum Incineration Rate: NA	lb/hr	tons/day
3. Maximum Process or Throughput Rate: NA		
4. Maximum Production Rate: NA		
5. Operating Capacity Comment: NA		

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:	
24 hours/day	7 days/week
52 weeks/year	8,760 hours/year

B. EMISSIONS UNIT REGULATIONS

Depending on the application category, this subsection of the Application for Air Permit form provides either a brief analysis or detailed listing of all federal, state, and local regulations applicable to the emissions unit addressed in this Emissions Unit Information Section.

Rule Applicability Analysis (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

The facility is subject to the general provisions of FAC 62-212.300, "Sources Not Subject to Prevention of Significant Deterioration or Nonattainmnet Requirements." FAC 62-296-508 does not apply to these tanks since they contain petroleum liquids whose true vapor pressure is less than 1.50 psia.

C. EMISSION POINT (STACK/VENT) INFORMATION

This subsection of the Application for Air Permit form provides information about the emission point associated with the emissions unit addressed in this Emissions Unit Information Section. An emission point is typically a stack or vent but can be any identifiable location at which air pollutants, including fugitive emissions, are discharged into the atmosphere.

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram: Tanks 25, 62, 63, and 66	
2. Emission Point Type Code: [ ] 1 [ ] 2 [X] 3 [ ] 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit: NA	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NA	
5. Discharge Type Code: [ ] D [X] F [ ] H [ ] P [ ] R [ ] V [ ] W	
6. Stack Height: NA	feet
7. Exit Diameter: NA	feet
8. Exit Temperature: NA	°F
9. Actual Volumetric Flow Rate: NA	acfm

10. Percent Water Vapor: NA	%
11. Maximum Dry Standard Flow Rate: NA	dscfm
12. Nonstack Emission Point Height: NA	feet
13. Emission Point UTM Coordinates: Zone: East (km): North (km):	

14. Emission Point Comment:

	Tank Height	Tank Diameters	Storage Capacity
Tank 25	39'7"	63'	852,222 gallons
Tank 62	40'2"	30'	211,492 gallons
Tank 63	39'11"	30'	211,492 gallons
Tank 66	48'1"	55'	789,642 gallons

D. SEGMENT (PROCESS/FUEL) INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of segment data (Fields 1-10) must be completed for each segment required to be reported and for each alternative operating method or mode (emissions trading scenario) under Chapter 62-213, F.A.C., for which the maximum hourly or annual segment-related rate would vary. A segment is a material handling, process, fuel burning, volatile organic liquid storage, production, or other such operation to which emissions of the unit are directly related. See instructions for further details on this subsection of the Application for Air Permit.

Segment Description and Rate: Segment 1 of 4

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): Tank 25 - Total Losses	
2. Source Classification Code (SCC): 40400199	
3. SCC Units: 1,000 gallons throughput	
4. Maximum Hourly Rate: NA	5. Maximum Annual Rate: 13,802 (1,000 gallons)
6. Estimated Annual Activity Factor: NA	
7. Maximum Percent Sulfur: NA	8. Maximum Percent Ash: NA
9. Million Btu per SCC Unit: NA	
10. Segment Comment: NA	

Segment Description and Rate: Segment 2 of 4

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): Tank 62 - Total Losses	
2. Source Classification Code (SCC): 40400199	
3. SCC Units: 1,000 gallons throughput	
4. Maximum Hourly Rate: NA	5. Maximum Annual Rate: 1,834 (1,000 gallons)
6. Estimated Annual Activity Factor: NA	
7. Maximum Percent Sulfur: NA	8. Maximum Percent Ash: NA
9. Million Btu per SCC Unit: NA	
10. Segment Comment: NA	

D. SEGMENT (PROCESS/FUEL) INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of segment data (Fields 1-10) must be completed for each segment required to be reported and for each alternative operating method or mode (emissions trading scenario) under Chapter 62-213, F.A.C., for which the maximum hourly or annual segment-related rate would vary. A segment is a material handling, process, fuel burning, volatile organic liquid storage, production, or other such operation to which emissions of the unit are directly related. See instructions for further details on this subsection of the Application for Air Permit.

Segment Description and Rate: Segment 3 of 4

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): Tank 63 - Total Losses	
2. Source Classification Code (SCC): 40400199	
3. SCC Units: 1,000 gallons throughput	
4. Maximum Hourly Rate: NA	5. Maximum Annual Rate: 1,834 (1,000 gallons)
6. Estimated Annual Activity Factor: NA	
7. Maximum Percent Sulfur: NA	8. Maximum Percent Ash: NA
9. Million Btu per SCC Unit: NA	
10. Segment Comment: NA	

Segment Description and Rate: Segment 4 of 4

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): Tank 66 - Total Losses	
2. Source Classification Code (SCC): 40400199	
3. SCC Units: 1,000 gallons throughput	
4. Maximum Hourly Rate: NA	5. Maximum Annual Rate: 11,293 (1,000 gallons)
6. Estimated Annual Activity Factor: NA	
7. Maximum Percent Sulfur: NA	8. Maximum Percent Ash: NA
9. Million Btu per SCC Unit: NA	
10. Segment Comment: NA	

E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

Pollutant Potential/Estimated Emissions: **Pollutant 1 of 1**

1. Pollutant Emitted: VOC
2. Total Percent Efficiency of Control: NA %
3. Primary Control Device Code: NA
4. Secondary Control Device Code: NA
5. Potential Emissions: 0.112 lb/hour 0.49 tons/year
6. Synthetically Limited? [X] Yes [ ] No
7. Range of Estimated Fugitive/Other Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year
8. Emission Factor: Tanks 2.0 Reference: AP-42
9. Emissions Method Code: [ ] 1 [ ] 2 [X] 3 [ ] 4 [ ] 5
10. Calculation of Emissions: Supporting calculations are attached.
11. Pollutant Potential/Estimated Emissions Comment:

Allowable Emissions (Pollutant identified on front of page)

A.

1. Basis for Allowable Emissions Code: ESCTV (see comment)		
2. Future Effective Date of Allowable Emissions: NA		
3. Requested Allowable Emissions and Units: NA		
4. Equivalent Allowable Emissions: 0.112	lb/hour	0.49 tons/year
5. Method of Compliance: Low volatility product annual throughput will be restricted to 28,761,874 gallons.		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode): To restrict total facility VOC emissions to less than 100 TPY, annual fuel transferred will be restricted to 28,761,874 gallons of low volatility products (diesel and jet A).		

B.

1. Basis for Allowable Emissions Code:		
2. Future Effective Date of Allowable Emissions:		
3. Requested Allowable Emissions and Units:		
4. Equivalent Allowable Emissions:	lb/hr	tons/year
5. Method of Compliance:		
6. Pollutant Allowable Emissions Comment (Desc. of Related Operating Method/Mode):		

I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

This subsection of the Application for Air Permit form provides supplemental information related to the emissions unit addressed in this Emissions Unit Information Section. Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

Supplemental Requirements for All Applications

1. Process Flow Diagram	[X] Attached, Document ID: Fig. #3 [ ] Not Applicable [ ] Waiver Requested
2. Fuel Analysis or Specification	[ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested
3. Detailed Description of Control Equipment	[ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested
4. Description of Stack Sampling Facilities	[ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested
5. Compliance Test Report	[ ] Attached, Document ID:_____ [ ] Previously submitted, Date:_____ [X] Not Applicable
6. Procedures for Startup and Shutdown	[ ] Attached, Document ID:_____ [X] Not Applicable
7. Operation and Maintenance Plan	[ ] Attached, Document ID:_____ [X] Not Applicable
8. Supplemental Information for Construction Permit Application	[ ] Attached, Document ID:_____ [X] Not Applicable
9. Other Information Required by Rule or Statute	[ ] Attached, Document ID:_____ [X] Not Applicable

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

This subsection of the Application for Air Permit form provides general information on the emissions unit addressed in this Emissions Unit Information Section, including information on the type, control equipment, operating capacity, and operating schedule of the emissions unit.

Type of Emissions Unit Addressed in This Section

Check one:

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, an individually-regulated emission point (stack or vent) serving a single process or production unit, or activity, which also has other individually-regulated emission points.

[X] This Emissions Unit Information Section addresses, as a single emissions unit, a collectively-regulated group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section:

Miscellaneous Small Tanks including the following fixed roof tanks:

Tank 17 (Additive)
Tank 18 (Additive)
Tank 20 (Flare Drop Out)
Tank 21 (Additive)
Tank 95 (Additive)
Tank 96 (Slop)

2. ARMS Identification Number: [ ] No Corresponding ID [X] Unknown

3. Emissions Unit Status Code: A	4. Acid Rain Unit? [ ] Yes [X] No	5. Emissions Unit Major Group SIC Code: 29

6. Initial Startup Date (DD-MON-YYYY): NA

7. Long-term Reserve Shutdown Date (DD-MON-YYYY): NA

8. Package Unit:
Manufacturer: NA Model Number: NA

9. Generator Nameplate Rating: NA MW

10. Incinerator Information: NA
Dwell Temperature: °F
Dwell Time: seconds
Incinerator Afterburner Temperature : °F

11. Emissions Unit Comment:

The six tanks are small and not subject to specific regulations and are appropriately grouped a "Miscellaneous Small Tanks".

Emissions Unit Control Equipment

A.

1. Description: NA
2. Control Device or Method Code: NA

B.

1. Description:
2. Control Device or Method Code:

C.

1. Description:
2. Control Device or Method Code:

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate: NA		mmBtu/hr
2. Maximum Incineration Rate: NA	lb/hr	tons/day
3. Maximum Process or Throughput Rate: NA		
4. Maximum Production Rate: NA		
5. Operating Capacity Comment: NA		

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:	
24 hours/day	7 days/week
52 weeks/year	8,760 hours/year

B. EMISSIONS UNIT REGULATIONS

Depending on the application category, this subsection of the Application for Air Permit form provides either a brief analysis or detailed listing of all federal, state, and local regulations applicable to the emissions unit addressed in this Emissions Unit Information Section.

Rule Applicability Analysis (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

The facility is subject to the general provisions of FAC 62-212.300, "Sources Not Subject to Prevention of Significant Deterioration or Nonattainment Requirements." Because all of these tanks have a storage capacity of less than 30,000 gallons, this emissions unit is not subject to the requirements of FAC 62-296.508.

C. EMISSION POINT (STACK/VENT) INFORMATION

This subsection of the Application for Air Permit form provides information about the emission point associated with the emissions unit addressed in this Emissions Unit Information Section. An emission point is typically a stack or vent but can be any identifiable location at which air pollutants, including fugitive emissions, are discharged into the atmosphere.

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram: Tanks 17, 18, 20, 21, 95, and 96
2. Emission Point Type Code: [ ] 1 [ ] 2 [X] 3 [ ] 4
3. Descriptions of Emissions Points Comprising this Emissions Unit: NA
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NA
5. Discharge Type Code: [ ] D [X] F [ ] H [ ] P [ ] R [ ] V [ ] W
6. Stack Height: NA feet
7. Exit Diameter: NA feet
8. Exit Temperature: NA °F
9. Actual Volumetric Flow Rate: NA acfm

10. Percent Water Vapor : NA	%
11. Maximum Dry Standard Flow Rate: NA	dscfm
12. Nonstack Emission Point Height: NA	feet
13. Emission Point UTM Coordinates: Zone: East (km): North (km):	

14. Emission Point Comment:

	Height	Volume
Tank 17	8'	5,838 gallons
Tank 18	8'	4,000 gallons
Tank 20	4'	250 gallons
Tank 21	8'	5,800 gallons
Tank 95	35'	27,510 gallons
Tank 96	8'	11,550 gallons

D. SEGMENT (PROCESS/FUEL) INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of segment data (Fields 1-10) must be completed for each segment required to be reported and for each alternative operating method or mode (emissions trading scenario) under Chapter 62-213, F.A.C., for which the maximum hourly or annual segment-related rate would vary. A segment is a material handling, process, fuel burning, volatile organic liquid storage, production, or other such operation to which emissions of the unit are directly related. See instructions for further details on this subsection of the Application for Air Permit.

Segment Description and Rate: Segment 1 of 6

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): Tank 17 - Total Losses	
2. Source Classification Code (SCC): 40400199	
3. SCC Units: 1,000 gallons throughput	
4. Maximum Hourly Rate: NA	5. Maximum Annual Rate: 14.6 (1,000 gallons)
6. Estimated Annual Activity Factor: NA	
7. Maximum Percent Sulfur: NA	8. Maximum Percent Ash: NA
9. Million Btu per SCC Unit: NA	
10. Segment Comment: NA	

Segment Description and Rate: Segment 2 of 6

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): Tank 18 - Total Losses	
2. Source Classification Code (SCC): 40400199	
3. SCC Units: 1,000 gallons	
4. Maximum Hourly Rate: NA	5. Maximum Annual Rate: 14.6 (1,000 gallons)
6. Estimated Annual Activity Factor: NA	
7. Maximum Percent Sulfur: NA	8. Maximum Percent Ash: NA
9. Million Btu per SCC Unit: NA	
10. Segment Comment: NA	

D. SEGMENT (PROCESS/FUEL) INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of segment data (Fields 1-10) must be completed for each segment required to be reported and for each alternative operating method or mode (emissions trading scenario) under Chapter 62-213, F.A.C., for which the maximum hourly or annual segment-related rate would vary. A segment is a material handling, process, fuel burning, volatile organic liquid storage, production, or other such operation to which emissions of the unit are directly related. See instructions for further details on this subsection of the Application for Air Permit.

Segment Description and Rate: Segment 3 of 6

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): Tank 20 - Total Losses	
2. Source Classification Code (SCC): 40400199	
3. SCC Units: 1,000 gallons throughput	
4. Maximum Hourly Rate: NA	5. Maximum Annual Rate: 0 gallons
6. Estimated Annual Activity Factor: NA	
7. Maximum Percent Sulfur: NA	8. Maximum Percent Ash: NA
9. Million Btu per SCC Unit: NA	
10. Segment Comment: The dropout tank is positioned to collect fluids from the gas stream being routed to the flare. No liquids have ever been observed. For emission estimating purposes, the annual rate is assumed to be zero.	

Segment Description and Rate: Segment 4 of 6

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): Tank 21 - Total Losses	
2. Source Classification Code (SCC): 40400199	
3. SCC Units: 1,000 gallons	
4. Maximum Hourly Rate: NA	5. Maximum Annual Rate: 14.6 (1,000 gallons)
6. Estimated Annual Activity Factor: NA	
7. Maximum Percent Sulfur: NA	8. Maximum Percent Ash: NA
9. Million Btu per SCC Unit: NA	
10. Segment Comment: NA	

D. SEGMENT (PROCESS/FUEL) INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of segment data (Fields 1-10) must be completed for each segment required to be reported and for each alternative operating method or mode (emissions trading scenario) under Chapter 62-213, F.A.C., for which the maximum hourly or annual segment-related rate would vary. A segment is a material handling, process, fuel burning, volatile organic liquid storage, production, or other such operation to which emissions of the unit are directly related. See instructions for further details on this subsection of the Application for Air Permit.

Segment Description and Rate: Segment 5 of 6

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): Tank 95 - Total Losses	
2. Source Classification Code (SCC): 40400199	
3. SCC Units: 1,000 gallons throughput	
4. Maximum Hourly Rate: NA	5. Maximum Annual Rate: 29.2 (1,000 gallons)
6. Estimated Annual Activity Factor: NA	
7. Maximum Percent Sulfur: NA	8. Maximum Percent Ash: NA
9. Million Btu per SCC Unit: NA	
10. Segment Comment: NA	

Segment Description and Rate: Segment 6 of 6

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): Tank 96 - Total Losses	
2. Source Classification Code (SCC): 40400199	
3. SCC Units: 1,000 gallons throughput	
4. Maximum Hourly Rate: NA	5. Maximum Annual Rate: 25 (1,000 gallon throughput)
6. Estimated Annual Activity Factor: NA	
7. Maximum Percent Sulfur: NA	8. Maximum Percent Ash: NA
9. Million Btu per SCC Unit: NA	
10. Segment Comment: NA	

E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

Pollutant Potential/Estimated Emissions: **Pollutant 1 of 1**

1. Pollutant Emitted: VOC
2. Total Percent Efficiency of Control: NA %
3. Primary Control Device Code: NA
4. Secondary Control Device Code: NA
5. Potential Emissions: 0.235 lb/hour 1.03 tons/year
6. Synthetically Limited? [ ] Yes [X] No
7. Range of Estimated Fugitive/Other Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year
8. Emission Factor: Tanks 2.0 Reference: AP-42
9. Emissions Method Code: [ ] 1 [ ] 2 [X] 3 [ ] 4 [ ] 5
10. Calculation of Emissions: Supporting calculations are attached.
11. Pollutant Potential/Estimated Emissions Comment:

I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

This subsection of the Application for Air Permit form provides supplemental information related to the emissions unit addressed in this Emissions Unit Information Section. Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

Supplemental Requirements for All Applications

1. Process Flow Diagram [X] Attached, Document : Fig. #3 [ ] Not Applicable [ ] Waiver Requested
2. Fuel Analysis or Specification [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested
3. Detailed Description of Control Equipment [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested
4. Description of Stack Sampling Facilities [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested
5. Compliance Test Report [ ] Attached, Document ID:_____ [ ] Previously submitted, Date:_____ [X] Not Applicable
6. Procedures for Startup and Shutdown [ ] Attached, Document ID:_____ [X] Not Applicable
7. Operation and Maintenance Plan [ ] Attached, Document ID:_____ [X] Not Applicable
8. Supplemental Information for Construction Permit Application [ ] Attached, Document ID:_____ [X] Not Applicable
9. Other Information Required by Rule or Statute [ ] Attached, Document ID:_____ [X] Not Applicable

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

This subsection of the Application for Air Permit form provides general information on the emissions unit addressed in this Emissions Unit Information Section, including information on the type, control equipment, operating capacity, and operating schedule of the emissions unit.

Type of Emissions Unit Addressed in This Section

Check one:

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, an individually-regulated emission point (stack or vent) serving a single process or production unit, or activity, which also has other individually-regulated emission points.

[X] This Emissions Unit Information Section addresses, as a single emissions unit, a collectively-regulated group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section:

Wastewater Emission Sources including the following:

Oil/Water Separator 1
Oil/Water Separator 2
Tank 3 (Wastewater holding tank)
Evaporation Tank (Open roof tank)

2. ARMS Identification Number: [ ] No Corresponding ID [X] Unknown

3. Emissions Unit Status Code: A	4. Acid Rain Unit? [ ] Yes [X] No	5. Emissions Unit Major Group SIC Code: 29

6. Initial Startup Date (DD-MON-YYYY): NA

7. Long-term Reserve Shutdown Date (DD-MON-YYYY): NA

8. Package Unit:
Manufacturer: NA Model Number: NA

9. Generator Nameplate Rating: NA MW

10. Incinerator Information: NA
Dwell Temperature: °F
Dwell Time: seconds
Incinerator Afterburner Temperature : °F

11. Emissions Unit Comment:

For permitting purposes, the four sources used for handling wastewater are grouped as a single source.

Emissions Unit Control Equipment

A.

1. Description: NA

2. Control Device or Method Code: NA

B.

1. Description:

2. Control Device or Method Code:

C.

1. Description:

2. Control Device or Method Code:

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate: NA		mmBtu/hr
2. Maximum Incineration Rate: NA	lb/hr	tons/day
3. Maximum Process or Throughput Rate: NA		
4. Maximum Production Rate: NA		
5. Operating Capacity Comment: NA		

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:		
	24 hours/day	7 days/week
	52 weeks/year	8,760 hours/year

B. EMISSIONS UNIT REGULATIONS

Depending on the application category, this subsection of the Application for Air Permit form provides either a brief analysis or detailed listing of all federal, state, and local regulations applicable to the emissions unit addressed in this Emissions Unit Information Section.

Rule Applicability Analysis (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

The facility is subject to the general provisions of FAC 62-212.300, "Sources Not Subject to Prevention of Significant Deterioration or Nonattainment Requirements."

C. EMISSION POINT (STACK/VENT) INFORMATION

This subsection of the Application for Air Permit form provides information about the emission point associated with the emissions unit addressed in this Emissions Unit Information Section. An emission point is typically a stack or vent but can be any identifiable location at which air pollutants, including fugitive emissions, are discharged into the atmosphere.

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram: Oil/Water Separators 1 and 2 (OW1, OW2), Tank 3, and Evaporation Tank (EI)	
2. Emission Point Type Code: [ ] 1 [ ] 2 [X] 3 [ ] 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit: NA	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NA	
5. Discharge Type Code: [ ] D [X] F [ ] H [ ] P [ ] R [ ] V [ ] W	
6. Stack Height: NA	feet
7. Exit Diameter: NA	feet
8. Exit Temperature: NA	°F
9. Actual Volumetric Flow Rate: NA	acfm

10. Percent Water Vapor : NA	%
11. Maximum Dry Standard Flow Rate: NA	dscfm
12. Nonstack Emission Point Height: NA	feet
13. Emission Point UTM Coordinates: Zone: East (km): North (km):	
14. Emission Point Comment: Oil/Water Separators - Underground	

	Height	Diameter
Tank 3	36'	40'
Evaporation Tank	41'	120'

D. SEGMENT (PROCESS/FUEL) INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of segment data (Fields 1-10) must be completed for each segment required to be reported and for each alternative operating method or mode (emissions trading scenario) under Chapter 62-213, F.A.C., for which the maximum hourly or annual segment-related rate would vary. A segment is a material handling, process, fuel burning, volatile organic liquid storage, production, or other such operation to which emissions of the unit are directly related. See instructions for further details on this subsection of the Application for Air Permit.

Segment Description and Rate: Segment 1 of 4

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): Oil/Water Separator 1	
2. Source Classification Code (SCC): 40400199	
3. SCC Units: 1,000 gallons throughput	
4. Maximum Hourly Rate: NA	5. Maximum Annual Rate: 1,900 (1,000 gallons)
6. Estimated Annual Activity Factor: NA	
7. Maximum Percent Sulfur: NA	8. Maximum Percent Ash: NA
9. Million Btu per SCC Unit: NA	
10. Segment Comment: NA	

Emissions Unit Information Section 5 of 6

Segment Description and Rate: Segment 2 of 4

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): Oil/Water Separator 2	
2. Source Classification Code (SCC): 40400199	
3. SCC Units: 1,000 gallons throughput	
4. Maximum Hourly Rate: NA	5. Maximum Annual Rate: 1,900 (1,000 gallons)
6. Estimated Annual Activity Factor: NA	
7. Maximum Percent Sulfur: NA	8. Maximum Percent Ash: NA
9. Million Btu per SCC Unit: NA	
10. Segment Comment: NA	

D. SEGMENT (PROCESS/FUEL) INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of segment data (Fields 1-10) must be completed for each segment required to be reported and for each alternative operating method or mode (emissions trading scenario) under Chapter 62-213, F.A.C., for which the maximum hourly or annual segment-related rate would vary. A segment is a material handling, process, fuel burning, volatile organic liquid storage, production, or other such operation to which emissions of the unit are directly related. See instructions for further details on this subsection of the Application for Air Permit.

Segment Description and Rate: Segment 3 of 4

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): Tank 3 - Total Losses	
2. Source Classification Code (SCC): 40400199	
3. SCC Units: 1,000 gallons throughput	
4. Maximum Hourly Rate: NA	5. Maximum Annual Rate: 1,500 (1,000 gallons throughput)
6. Estimated Annual Activity Factor: NA	
7. Maximum Percent Sulfur: NA	8. Maximum Percent Ash: NA
9. Million Btu per SCC Unit: NA	
10. Segment Comment: NA	

Segment Description and Rate: Segment 4 of 4

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): Evaporation Tank - Total Losses	
2. Source Classification Code (SCC): 40400199	
3. SCC Units: 1,000 gallons throughput	
4. Maximum Hourly Rate: NA	5. Maximum Annual Rate: 1,900 (1,000 gallons)
6. Estimated Annual Activity Factor: NA	
7. Maximum Percent Sulfur: NA	8. Maximum Percent Ash: NA
9. Million Btu per SCC Unit: NA	
10. Segment Comment: NA	

E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

Pollutant Potential/Estimated Emissions: Pollutant 1 of 1

1. Pollutant Emitted: VOC
2. Total Percent Efficiency of Control: NA %
3. Primary Control Device Code: NA
4. Secondary Control Device Code: NA
5. Potential Emissions: 0.002 lb/hour 0.01 tons/year
6. Synthetically Limited? [ ] Yes [X] No
7. Range of Estimated Fugitive/Other Emissions: [ ] 1 [X] 2 [ ] 3 _____ to _____ tons/year
8. Emission Factor: 1 mg/liter water evaporated Reference: Chevron analysis of wastewater
9. Emissions Method Code: [ ] 1 [X] 2 [X] 3 [ ] 4 [ ] 5
10. Calculation of Emissions: Supporting calculations are attached.
11. Pollutant Potential/Estimated Emissions Comment: NA

I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

This subsection of the Application for Air Permit form provides supplemental information related to the emissions unit addressed in this Emissions Unit Information Section. Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

Supplemental Requirements for All Applications

1. Process Flow Diagram [X] Attached, Document : Fig. #3 [ ] Not Applicable [ ] Waiver Requested
2. Fuel Analysis or Specification [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested
3. Detailed Description of Control Equipment [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested
4. Description of Stack Sampling Facilities [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested
5. Compliance Test Report [ ] Attached, Document ID:_____ [ ] Previously submitted, Date:_____ [X] Not Applicable
6. Procedures for Startup and Shutdown [ ] Attached, Document ID:_____ [X] Not Applicable
7. Operation and Maintenance Plan [ ] Attached, Document ID:_____ [X] Not Applicable
8. Supplemental Information for Construction Permit Application [ ] Attached, Document ID:_____ [X] Not Applicable
9. Other Information Required by Rule or Statute [ ] Attached, Document ID:_____ [X] Not Applicable

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through I as required) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION

This subsection of the Application for Air Permit form provides general information on the emissions unit addressed in this Emissions Unit Information Section, including information on the type, control equipment, operating capacity, and operating schedule of the emissions unit.

Type of Emissions Unit Addressed in This Section

Check one:

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, an individually-regulated emission point (stack or vent) serving a single process or production unit, or activity, which also has other individually-regulated emission points.

[ ] This Emissions Unit Information Section addresses, as a single emissions unit, a collectively-regulated group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.

[X] This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section:

   Fugitive Emissions due to:

   1) Components (flanges, valves, and pumps)
   2) Leaking tank trucks during loading

2. ARMS Identification Number: [ ] No Corresponding ID [X] Unknown

3. Emissions Unit Status Code: A	4. Acid Rain Unit? [ ] Yes [X] No	5. Emissions Unit Major Group SIC Code: 29

6. Initial Startup Date (DD-MON-YYYY): NA

7. Long-term Reserve Shutdown Date (DD-MON-YYYY): NA

8. Package Unit: NA
   Manufacturer: Model Number: NA

9. Generator Nameplate Rating: NA MW

10. Incinerator Information: NA
    Dwell Temperature: °F
    Dwell Time: seconds
    Incinerator Afterburner Temperature: °F

11. Emissions Unit Comment:

    All fugitive emissions associated with the facility are grouped together as a single source. The facility component (valves, etc.) are the typical fugitive sources. The leakage from tank trucks during loading is a measure of fugitives noted in Federal Register page 64311 dated December 14, 1994.

Emissions Unit Control Equipment

A.

1. Description: NA
2. Control Device or Method Code: NA

B.

1. Description:
2. Control Device or Method Code:

C.

1. Description:
2. Control Device or Method Code:

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate: NA		mmBtu/hr
2. Maximum Incineration Rate: NA	lb/hr	tons/day
3. Maximum Process or Throughput Rate: NA		
4. Maximum Production Rate: NA		
5. Operating Capacity Comment: NA		

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:	
24 hours/day	7 days/week
52 weeks/year	8,760 hours/year

B. EMISSIONS UNIT REGULATIONS

Depending on the application category, this subsection of the Application for Air Permit form provides either a brief analysis or detailed listing of all federal, state, and local regulations applicable to the emissions unit addressed in this Emissions Unit Information Section.

Rule Applicability Analysis (Required for Category II applications and Category III applications involving non Title-V sources. See Instructions.)

The facility is subject to the general provisions of FAC 62-212.300, "Sources Not Subject to Prevention of Significant Deterioration or Nonattainment Requirements."

C. EMISSION POINT (STACK/VENT) INFORMATION

This subsection of the Application for Air Permit form provides information about the emission point associated with the emissions unit addressed in this Emissions Unit Information Section. An emission point is typically a stack or vent but can be any identifiable location at which air pollutants, including fugitive emissions, are discharged into the atmosphere.

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram: Loading Area Fugitives (shaded area labeled as F1 on plot plan) Storage Area Fugitives (shaded area labeled as F2 on plot plan) Truck leakage occurs at the loading rack located in F1.	
2. Emission Point Type Code: [ ] 1 [ ] 2 [ ] 3 [X] 4	
3. Descriptions of Emissions Points Comprising this Emissions Unit: NA	
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: NA	
5. Discharge Type Code: [ ] D [X] F [ ] H [ ] P [ ] R [ ] V [ ] W	
6. Stack Height: NA	feet
7. Exit Diameter: NA	feet
8. Exit Temperature: NA	°F
9. Actual Volumetric Flow Rate: NA	acfm

10. Percent Water Vapor: NA	%
11. Maximum Dry Standard Flow Rate: NA	dscfm
12. Nonstack Emission Point Height: See Comment	feet
13. Emission Point UTM Coordinates: Zone: East (km): North (km):	
14. Emission Point Comment: The typical height of fugitive components is 4 feet. The typical height of truck leaks is 10 feet.	

D. SEGMENT (PROCESS/FUEL) INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of segment data (Fields 1-10) must be completed for each segment required to be reported and for each alternative operating method or mode (emissions trading scenario) under Chapter 62-213, F.A.C., for which the maximum hourly or annual segment-related rate would vary. A segment is a material handling, process, fuel burning, volatile organic liquid storage, production, or other such operation to which emissions of the unit are directly related. See instructions for further details on this subsection of the Application for Air Permit.

Segment Description and Rate: Segment 1 of 2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): Loading Area Fugitives (F1)	
2. Source Classification Code (SCC): 40400151	
3. SCC Units: 1,000 gallons transferred	
4. Maximum Hourly Rate: NA	5. Maximum Annual Rate: 175,000 (1,000 gallons)
6. Estimated Annual Activity Factor: NA	
7. Maximum Percent Sulfur: NA	8. Maximum Percent Ash: NA
9. Million Btu per SCC Unit: NA	
10. Segment Comment: Truck leakage is considered to be included in the loading area segment.	

Emissions Unit Information Section 6 of 6

Segment Description and Rate: Segment 2 of 2

1. Segment Description (Process/Fuel Type and Associated Operating Method/Mode): Storage Area Fugitives (F2)	
2. Source Classification Code (SCC): 40400151	
3. SCC Units: 1,000 gallons transferred	
4. Maximum Hourly Rate: NA	5. Maximum Annual Rate: 175,000 (1,000 gallons)
6. Estimated Annual Activity Factor: NA	
7. Maximum Percent Sulfur: NA	8. Maximum Percent Ash: NA
9. Million Btu per SCC Unit: NA	
10. Segment Comment: NA	

E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

Pollutant Potential/Estimated Emissions: Pollutant 1 of 7

1. Pollutant Emitted: VOC
2. Total Percent Efficiency of Control: NA %
3. Primary Control Device Code: NA
4. Secondary Control Device Code: NA
5. Potential Emissions: 0.792 lb/hour 3.47 tons/year
6. Synthetically Limited? [ ] Yes [X] No
7. Range of Estimated Fugitive/Other Emissions: [ ] 1 [ ] 2 [X] 3 _____ to _____ tons/year
8. Emission Factor: Various, see calculations Reference: AP-42
9. Emissions Method Code: [ ] 1 [ ] 2 [X] 3 [ ] 4 [ ] 5
10. Calculation of Emissions: Supporting calculations are attached.
11. Pollutant Potential/Estimated Emissions Comment: In order to keep facility wide VOC emissions below 100 TPY, the facility is restricting total throughputs so that storage and transfer losses are minimized. No additional constraint is required on fugitive VOC emissions to remain below 100 TPY.

E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

Pollutant Potential/Estimated Emissions: Pollutant 2 of 7

1. Pollutant Emitted: Benzene, ID #H017
2. Total Percent Efficiency of Control: NA %
3. Primary Control Device Code: NA
4. Secondary Control Device Code: NA
5. Potential Emissions: 0.005 lb/hour 0.02 tons/year
6. Synthetically Limited? [ ] Yes [X] No
7. Range of Estimated Fugitive/Other Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year
8. Emission Factor: 0.7 lbs benzene per 100 lbs vapor Reference: Chevron analysis of product
9. Emissions Method Code: [ ] 1 [X] 2 [ ] 3 [ ] 4 [ ] 5
10. Calculation of Emissions: Supporting calculations are attached.
11. Pollutant Potential/Estimated Emissions Comment: Emission factor is based on a one time product analysis and future composition could vary to a small extent. A specific condition on benzene should allow for a 100% higher concentration.

E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

Pollutant Potential/Estimated Emissions: Pollutant 3 of 7

1. Pollutant Emitted: Toluene, ID #H169		
2. Total Percent Efficiency of Control: NA		%
3. Primary Control Device Code: NA		
4. Secondary Control Device Code: NA		
5. Potential Emissions: 0.009	lb/hour	0.04 tons/year
6. Synthetically Limited? [ ] Yes [X] No		
7. Range of Estimated Fugitive/Other Emissions: [ ] 1 [ ] 2 [ ] 3	_____ to _____ tons/year	
8. Emission Factor: 0.9 lbs toluene per 100 lbs vapor Reference: Chevron analysis of product		
9. Emissions Method Code: [ ] 1 [X] 2 [ ] 3 [ ] 4 [ ] 5		
10. Calculation of Emissions: Supporting calculations are attached.		
11. Pollutant Potential/Estimated Emissions Comment: Emission factor is based on a one time product analysis and future composition could vary to a small extent. A specific condition on toluene should allow for a 100% higher concentration.		

E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

Pollutant Potential/Estimated Emissions: Pollutant 4 of 7

1. Pollutant Emitted: 2,2,4-Trimethylpentane ID #H181		
2. Total Percent Efficiency of Control: NA		%
3. Primary Control Device Code: NA		
4. Secondary Control Device Code: NA		
5. Potential Emissions: 0.005	lb/hour	0.02 tons/year
6. Synthetically Limited? [ ] Yes [X] No		
7. Range of Estimated Fugitive/Other Emissions: [ ] 1 [ ] 2 [ ] 3	_____ to _____ tons/year	
8. Emission Factor: 0.1 lbs ethylbenzene per 100 lbs vapor Reference: Chevron analysis of product		
9. Emissions Method Code: [ ] 1 [X] 2 [ ] 3 [ ] 4 [ ] 5		
10. Calculation of Emissions: Supporting calculations are attached.		
11. Pollutant Potential/Estimated Emissions Comment: Emission factor is based on a one time product analysis and future composition could vary to a small extent. A specific condition on 2,2,4-trimethylpentane should allow for a 100% higher concentration.		

E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

Pollutant Potential/Estimated Emissions: Pollutant 5 of 7

1. Pollutant Emitted: Xylenes, ID #H186
2. Total Percent Efficiency of Control: NA %
3. Primary Control Device Code: NA
4. Secondary Control Device Code: NA
5. Potential Emissions: 0.002 lb/hour 0.01 tons/year
6. Synthetically Limited? [ ] Yes [X] No
7. Range of Estimated Fugitive/Other Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year
8. Emission Factor: 0.2 lbs xylenes per 100 lbs vapor Reference: Chevron analysis of product
9. Emissions Method Code: [ ] 1 [X] 2 [ ] 3 [ ] 4 [ ] 5
10. Calculation of Emissions: Supporting calculations are attached.
11. Pollutant Potential/Estimated Emissions Comment: Emission factor is based on a one time product analysis and future composition could vary to a small extent. A specific condition on xylene should allow for a 100% higher concentration.

E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

Pollutant Potential/Estimated Emissions: Pollutant 6 of 7

1. Pollutant Emitted: n-hexane
2. Total Percent Efficiency of Control: NA %
3. Primary Control Device Code: NA
4. Secondary Control Device Code: NA
5. Potential Emissions: 0.011 lb/hour 0.05 tons/year
6. Synthetically Limited? [ ] Yes [X] No
7. Range of Estimated Fugitive/Other Emissions: [ ] 1 [ ] 2 [ ] 3 _____ to _____ tons/year
8. Emission Factor: 1 lb n-hexane per 100 lbs vapor Reference: Chevron analysis of product
9. Emissions Method Code: [ ] 1 [X] 2 [ ] 3 [ ] 4 [ ] 5
10. Calculation of Emissions: Supporting calculations are attached.
11. Pollutant Potential/Estimated Emissions Comment: Emission factor is based on a one time product analysis and future composition could vary to a small extent. A specific condition on n-hexane should allow for a 100% higher concentration.

E. POLLUTANT INFORMATION

For the emissions unit addressed in this Emissions Unit Information Section, a separate set of pollutant information must be completed for each pollutant required to be reported. See instructions for further details on this subsection of the Application for Air Permit.

Pollutant Potential/Estimated Emissions: Pollutant 7 of 7

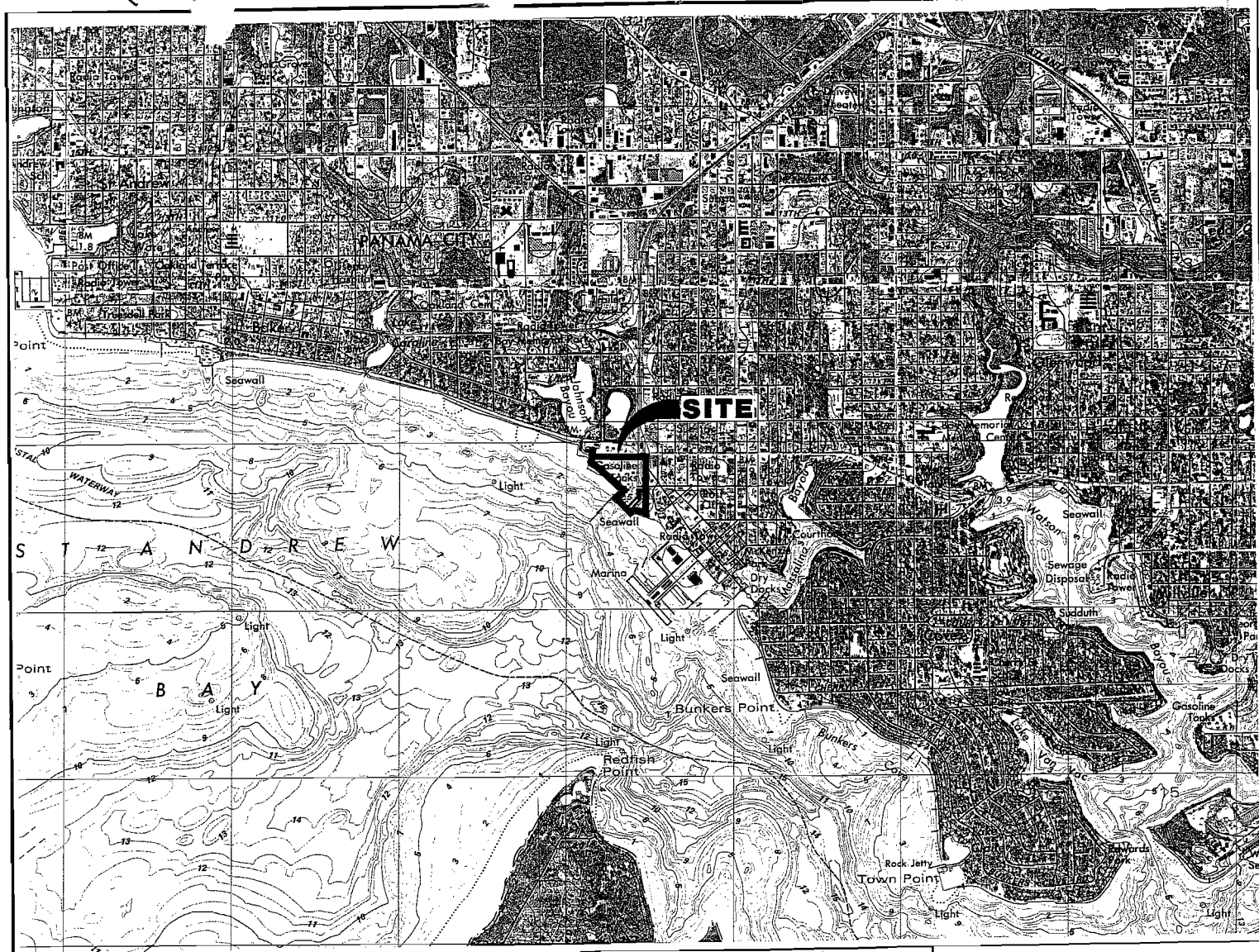
1. Pollutant Emitted: MTBE
2. Total Percent Efficiency of Control: NA %
3. Primary Control Device Code: NA
4. Secondary Control Device Code: NA
5. Potential Emissions: 0.094 lb/hour 0.41 tons/year
6. Synthetically Limited? [ ] Yes [X] No
7. Range of Estimated Fugitive/Other Emissions: [X] 1 [ ] 2 [ ] 3 _____ to _____ tons/year
8. Emission Factor: 13 lbs MTBE per 100 lbs vapor Reference: Chevron
9. Emissions Method Code: [ ] 1 [X] 2 [ ] 3 [ ] 4 [ ] 5
10. Calculation of Emissions: Supporting calculations are attached.
11. Pollutant Potential/Estimated Emissions Comment: In order to keep facility wide MTBE emissions below 10 TPY, the facility is restricting total throughputs so that storage and transfer MTBE losses are minimized. No additional constraint is required on fugitive MTBE in order to remain below 10 TPY.

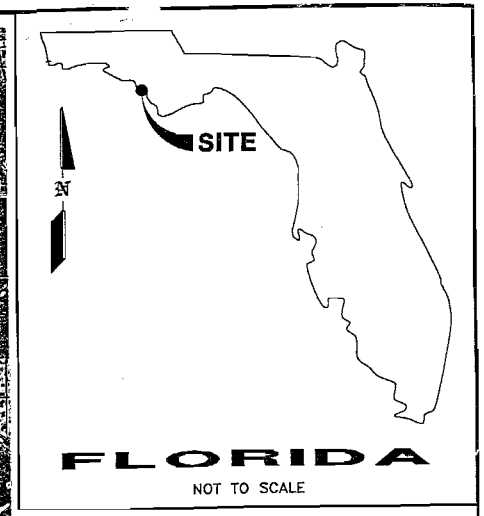
I. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

This subsection of the Application for Air Permit form provides supplemental information related to the emissions unit addressed in this Emissions Unit Information Section. Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

Supplemental Requirements for All Applications

1. Process Flow Diagram [ ] Attached, Document ID: Fig #3 [ ] Not Applicable [ ] Waiver Requested	
2. Fuel Analysis or Specification [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested	
3. Detailed Description of Control Equipment [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested	
4. Description of Stack Sampling Facilities [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested	
5. Compliance Test Report [ ] Attached, Document ID:_____ [ ] Previously submitted, Date:_____ [X] Not Applicable	
6. Procedures for Startup and Shutdown [ ] Attached, Document ID:_____ [X] Not Applicable	
7. Operation and Maintenance Plan [ ] Attached, Document ID:_____ [X] Not Applicable	
8. Supplemental Information for Construction Permit Application [ ] Attached, Document ID:_____ [X] Not Applicable	
9. Other Information Required by Rule or Statute [ ] Attached, Document ID:_____ [X] Not Applicable	





N

0 feet 2000
SCALE

RE: U.S.G.S. 7.5 MINUTE SERIES QUADRANGLE MAP, PANAMA CITY, FLORIDA 1982

G&E ENGINEERING, INC.
ENVIRONMENTAL CONSULTANTS

DATE	NO.	REVISION	BY

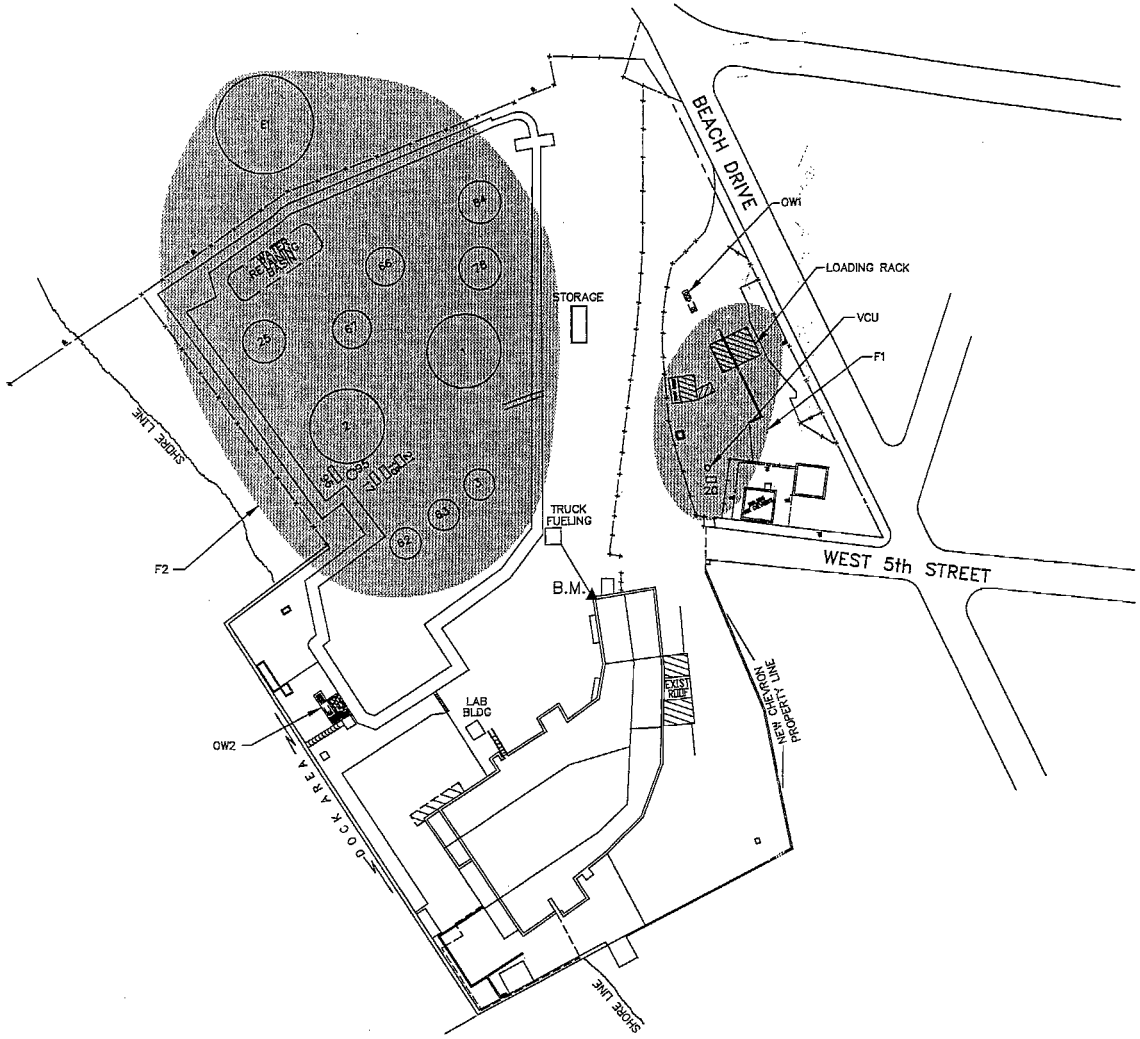
DESIGNED BY:		
DRAWN BY:	T. B. SWICK	01/31/95
CHECKED BY:	AEA	5/19/95
APPROVED BY:	AEA	5/19/95

Chevron U.S.A Products Co.
HOUSTON, TEXAS
Client

TERMINAL 1289731
525 WEST BEACH DRIVE
PANAMA CITY, FLORIDA
Project Location

VICINITY MAP

1"=2,000' SCALE
10-2866-B3 DRAWING No.
0 REV.
1 FIG./SHEET No.



Source Description	Source ID	Type of Tank
Tank 1 (Unleaded)	1	Internal Floating Roof
Tank 3 (Water from O/W Separator)	3	Vertical Fixed Roof
Tank 17 (Additive)	17	Horizontal Fixed Roof
Tank 18 (Additive)	18	Horizontal Fixed Roof
Tank 20 (Flare Drop Out)	20	Horizontal Fixed Roof
Tank 21 (Additive)	21	Horizontal Fixed Roof
Tank 25 (Diesel)	25	Vertical Fixed Roof
Tank 62 (Jet A)	62	Vertical Fixed Roof
Tank 63 (Jet A)	63	Vertical Fixed Roof
Tank 66 (Diesel)	66	Vertical Fixed Roof
Tank 67 (Av Gas)	67	Internal Floating Roof
Tank 78 (Unleaded)	78	Internal Floating Roof
Tank 84 (Unleaded)	84	External Floating Roof
Tank 95 (Chevron Additive)	95	Vertical Fixed Roof
Tank 96 (Slop)	96	Horizontal Fixed Roof
Evaporator Tank	E1	Vertical Open Roof
Oil/Water Separator 1	OW1	---
Oil/Water Separator 2	OW2	---
Vapor Combustion Unit	VCU	---
Loading Area Fugitives	F1	---
Storage Area Fugitives	F2	---

LEGEND

B.M.▲ BENCH MARK LOCATION
628415ME
3336715MN

0 feet 150
SCALE

G&E ENGINEERING, INC.
ENVIRONMENTAL CONSULTANTS

SITE PLAN

1"=150'
SCALE

10-2866-B5
DRAWING No.

0
REV.

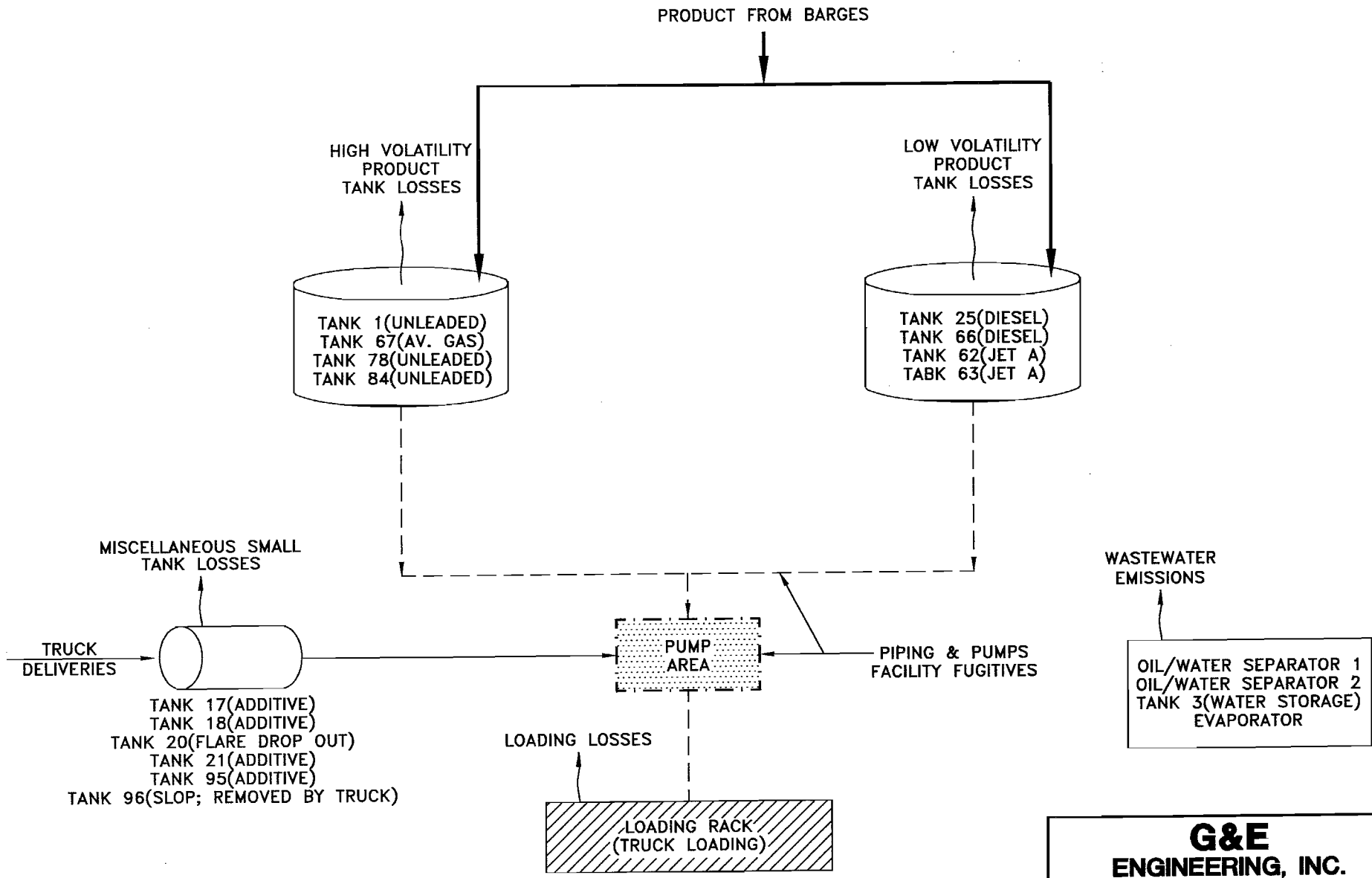
2
FIG./SHEET No.

DATE	NO.	REVISION	BY

DESIGNED BY:
DRAWN BY: L.D. MAYERS 02-20-95
CHECKED BY: DEA 5/19/95
APPROVED BY: DEA 5/19/95

Chevron U.S.A. Product Co.
HOUSTON, TEXAS
Client

TERMINAL 1289731
525 WEST BEACH DRIVE
PANAMA CITY, FLORIDA
Project Location



G&E ENGINEERING, INC.
ENVIRONMENTAL CONSULTANTS

01-31-95 Date	0 Rev. No.	10-2866-A4 Drawing No.	Chevron U.S.A. Product Co. HOUSTON, TEXAS Client	**TERMINAL 1289731** 525 WEST BEACH DRIVE PANAMA CITY, FLORIDA Project Location	**PROCESS FLOW DIAGRAM**
TBS Drawn by	DEA 5/19/95 Checked By	DEA 5/19/95 Approved By			**3** Fig No.

CHEVRON U. S. A. PRODUCTS

PANAMA CITY TERMINAL

SUMMARY

CHEVRON BULK TERMINAL
PANAMA CITY, FLORIDA

TOTAL VOC EMISSIONS

Source Description	ID	Type of Tank	VOC Emissions Heavy Liquids (TPY)	VOC Emissions Light Liquids (TPY)
Tank 1 (Unleaded Gasoline)	1	Internal Floating Roof		5.96
Tank 3 (Water from O/W Separator)	3	Vertical Fixed Roof		0.00
Tank 17 (Additive)	17	Horizontal Fixed Roof	0.00	
Tank 18 (Additive)	18	Horizontal Fixed Roof	0.00	
Tank 20 (Flare Drop Out)	20	Horizontal Fixed Roof	0.00	
Tank 21 (Additive)	21	Horizontal Fixed Roof	0.00	
Tank 25 (Diesel)	25	Vertical Fixed Roof	0.23	
Tank 62 (Jet A)	62	Vertical Fixed Roof	0.04	
Tank 63 (Jet A)	63	Vertical Fixed Roof	0.04	
Tank 66 (Diesel)	66	Vertical Fixed Roof	0.18	
Tank 67 (Av Gas)	67	Internal Floating Roof		3.09
Tank 78 (Unleaded Gasoline)	78	Internal Floating Roof		3.62
Tank 84 (Unleaded Gasoline)	84	External Floating Roof		5.67
Tank 95 (Chevron Additive)	95	Vertical Fixed Roof	0.00	
Tank 96 (Slop)	96	Horizontal Fixed Roof		1.03
Evaporator Tank	E1	Vertical Open Roof		0.01
Oil / Water Separator 1	OW1	--		0.00
Oil / Water Separator 2	OW2	--		0.00
Vapor Combustion Unit	VCU	--		25.56
Loading Area Fugitives	F1	--	0.01	3.30
Storage Area Fugitives	F2	--	0.03	0.13
		SUBTOTAL =	0.53	48.37
		TOTAL VOC EMISSIONS =		48.90

CHEVRON U. S. A. PRODUCTS

PANAMA CITY TERMINAL

SPECIATION

CHEVRON BULK TERMINAL
PANAMA CITY, FLORIDA

SPECIATION OF GASOLINE PER SOURCE

Source Description	Compound								Total VOC's (TPY)
	benzene	toluene	ethylbenzene	xylene	n – hexane	2,2,4 trimethylpentane	MTBE	nonspeciated VOCs	
Tank 1 (Unleaded Gasoline) – Standing Losses	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.07	0.09
Tank 1 (Unleaded Gasoline) – Withdrawal Losses	0.06	0.29	0.07	0.37	0.38	0.00	0.56	4.14	5.87
Tank 3 (Water from O/W Separator)								0.00	0.00
Tank 17 (Additive)								0.00	0.00
Tank 18 (Additive)								0.00	0.00
Tank 20 (Flare Drop Out)								0.00	0.00
Tank 21 (Additive)								0.00	0.00
Tank 25 (Diesel)								0.23	0.23
Tank 62 (Jet A)								0.04	0.04
Tank 63 (Jet A)								0.04	0.04
Tank 66 (Diesel)								0.18	0.18
Tank 67 (Av Gas) – Standing Losses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01
Tank 67 (Av Gas) – Withdrawal Losses	0.02	0.23	0.01	0.07	0.00	0.00	0.00	2.75	3.08
Tank 78 (Unleaded Gasoline) – Standing Losses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03
Tank 78 (Unleaded Gasoline) – Withdrawal Losses	0.04	0.18	0.04	0.22	0.23	0.00	0.34	2.53	3.58
Tank 84 (Unleaded Gasoline) – Standing Lossses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.03
Tank 84 (Unleaded Gasoline) – Withdrawal Losses	0.06	0.28	0.06	0.35	0.37	0.00	0.54	3.98	5.64
Tank 95 (Chevron Additive)								0.00	0.00
Tank 96 (Slop)								1.03	1.03
Evaporator Tank								0.01	0.0
Oil / Water Separator 1								0.00	0.00
Oil / Water Separator 2								0.00	0.00
Vapor Combustion Unit	0.18	0.28	0.03	0.10	0.36	0.18	3.04	21.39	25.56
Loading Area Fugitives (Lt. Liq.)	0.02	0.04	0.00	0.01	0.05	0.02	0.39	2.76	3.30
Loading Area Fugitives (Hv. Liq.)								0.01	0.01
Storage Area Fugitives (Lt. Liq.)	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.11	0.13
Storage Area Fugitives (Hv. Liq.)								0.03	0.03
Compound Totals (TPY)	0.38	1.29	0.21	1.13	1.39	0.20	4.91	39.38	48.90

CHEVRON U. S. A. PRODUCTS

PANAMA CITY TERMINAL

REFERENCES

G & E ENGINEERING, INC.
Environmental Consultants

Client: Chevron — Job No. 10-2866
Project: Construction Permit
Location: Panama City Terminal
Subject: Potential Throughputs
By: SPG — Date: 2/8/95 — Ckd.: LCL — Date: 2-21-95

Total Potential Throughput - 175,000,000 gallons of gasoline, diesel, augas, and jet a.

Use 1994 throughputs to estimate the amount of each different product (midgrade, regular, diesel, etc.)

	1994 Throughput (gallons)		Potential Throughput (gallons)	
AuGas	2,824,493	× 1.841*	5,200,818	
Midgrade	13,496,447	"	24,851,387	
Supreme	14,085,565	"	25,936,146	146,238,126
Regular	49,013,414	"	90,249,775	
Jet A	1,991,572	"	3,667,137	
Diesel	13,628,667	"	25,094,737	
Total	95,040,098		175,000,000	

* Multiply 1994 throughput by (175,000,000/95,040,098) = 1.841 to obtain potential throughput.

Potential Additive thruput = (21.6* gallons/1000 barrels gasoline)(1 barrel/42 gallons) × (24,851,387 + 25,936,146 + 90,249,775) gallons

= 72,533 gallons

Transmix Potential = 25,000* gallons

* Data from client

G & E ENGINEERING, INC.
Environmental Consultants

Client: Chevron
Job No. 10-2866
Project: Construction Permit
Location: Panama City Terminal
Subject: Turnovers
By: SPG Date: 2/9/95 Ckd.: LCL Date: 2/21/95

Product	Throughput (gallons)	Tank	Capacity* (gallons)	Percentage*	Turnovers
AvGas	5,201,000	67	699,552	100%	7.4
Unleaded	24,851,000	84	1,103,970	100%	22.5
	25,936,000	78	1,053,990	100%	24.6
	90,250,000	1	1,710,618	100%	52.8
Jet A	3,667,000	62	211,492	50%	8.7
		63	211,492	50%	8.7
Diesel	25,095,000	25	852,222	55%	16.2
		66	789,642	45%	14.3
Additive	73,000	95	27,510	40%	1.1
		17	5,838	20%	2.5
		18	4,000	20%	3.7
		21	5,800	20%	2.5
Transmix	25,000	96	11,550	100%	2.2

* Data obtained from client

Capacity

62,63 - $(15ft)^2 \pi (40ft)(7.48 gal/ft^3)$ - 211,492 gallons

VOLATILE ORGANIC COMPOUND EMISSION TEST REPORT

OF THE

CHEVRON PRODUCTS U.S.A.

PANAMA CITY, FLORIDA TRANSPORT LOADING TERMINAL

ON THE

JOHN ZINK VAPOR DESTRUCTION UNIT

ON

DECEMBER 9, 1993

REPORTED BY: JOHN F. JORDAN SERVICE CO., INC.
2820 S. ENGLISH STATION ROAD
LOUISVILLE, KENTUCKY 40299
502-267-8344

TEST PERSONNEL: RICHARD HALL
WILL KEELING

APPROVAL: Dave R Gibson
Dave Gibson
Division Manager
Technical Service Group

SUMMARY RESULTS

TERMINAL DESCRIPTION	Chevron U.S.A. Panama City, FL
VAPOR CONTROL UNIT TYPE	John Zink Combustor
TEST DATE	12-09-93
TEST PERIOD	06:55-12:50
AVERAGE AMBIENT TEMPERATURE	64.6 ^{o}F
AVERAGE OUTLET CONCENTRATION (as Propane) (CO) (CO_2)	83.5 ppm volume 22.0 ppm volume 0.29 % volume
AVERAGE INLET CONCENTRATION (Propane)	11.22 % volume
TOTAL PETROLEUM LOADED	191,600 gallons
ACCOUNTABLE PETROLEUM LOADED	126,750 gallons
VOLUME OF LEAKING TRUCKS	9,750 gallons
AVERAGE HYDROCARBON EMISSIONS (Calculated with Total Loaded Product)	13.51 mg/liter 3.59 lb/hr
AVERAGE HYDROCARBON EMISSIONS (Calculated with Accountable Product Loaded)	20.43 mg/liter 3.59 lb/hr
NUMBER OF TRUCKS LOADED	23
NUMBER OF LEAKING TRUCKS	2
MAXIMUM PRESSURE IN VAPOR INLET LINES	14.0 "H_2O
STRIP CHART SPEED	300 mm/hour
UNIT EFFICIENCY (based on acct. gals)	93.74%

TABLE 3-2. AVERAGE LIQUID PHASE HAP FRACTIONS OF PETROLEUM PRODUCTS

Product	HAP CONCENTRATION[a]					
	Benzene	Toluene	Ethylbenzene	Xylene	Hexane	Total HAP[b]
Gasoline[c]	1.61	7.21	1.61	7.17	7.13	38.67
Oxygenated Gasoline[c,d]	1.07	4.94	1.11	6.25	6.5	40.5
Diesel	0.33	0.38	0.23	0.77	0.41	3.27
Aviation Gasoline	0.51	7.33	0.43	2.20	0.13	10.75
Jet Fuel	1.05	1.85	0.48	2.30	6.35	12.73
Jet Kerosene	0.06	0.58	0.25	1.01	0.42	3.44
Residual Fuel Oil	1.65	2.97	0.78	0.45	1.83	10.34
Recovered Slop	0.95	3.77	1.38	3.29	1.42	14.56

Source: EPA HAP Analysis of Section 114 Data, August 16, 1993 [20].

[a] Values in Average Liquid Weight Percent

[b] Individually listed HAPs (benzene, toluene, ethylbenzene, xylene, and hexane) were the most common constituents in these petroleum products. Products contain lesser amounts of other HAP constituents not shown here. Amounts and type of other HAP constituents varied greatly in data collected.

[c] Cumene, naphthalene and 2,2,4-trimethylpentane were also identified in gasoline samples. Cumene and naphthalene averaged <0.5 wt% and are not considered present in significant quantities. 2,2,4-trimethylpentane concentrations were not measured in many cases (reported in fewer than <25% of gasoline profiles), but averaged 2.4 wt% in reported profiles.

[d] Based on a limited number of profiles of California winter blend gasolines. Methyl tert-butyl ether (MTBE) concentration averaged 9.53 wt%.

Most often, vapor composition must be determined to estimate emissions of HAPs. The general method for speciating HAPs from vapor phase emissions is to first determine total hydrocarbon emissions, then, determine a mass fraction of each toxic species of concern using vapor composition data of the product (measured or predicted). These mass fractions are then multiplied by the total hydrocarbon emissions to obtain the emissions of a particular toxic species. Vapor phase speciation is used to determine HAP emissions from product loading and most storage tanks losses. Table 3-3 lists average vapor phase speciation profiles for normal gasolines and expected values for oxygenated and reformulated gasolines. It is more accurate to determine vapor phase constituents for a specific gasoline by direct measurement of the product's liquid or vapor components.

The most accurate method for determining vapor mass fractions is to use direct vapor head space measurements of total hydrocarbon concentrations and HAP concentrations in the emissions of the source of interest. Total hydrocarbon concentrations are usually reported as total non-methane hydrocarbons (TNMHC) in parts per million by volume (ppmv), tied to some reference species, such as hexane. Methane, in units of ppmv, is reported separately. To determine a vapor mass fraction of a toxic HAP species, care

TABLE 3-3. AVERAGE VAPOR PHASE HAP FRACTIONS OF GASOLINE PRODUCTS
(HAP to VOC percentage by weight)

HAP	TYPE OF GASOLINE						
	Normal	Reformulated		Oxygenated		Reformulated/Oxygenated	
		with MTBE	w/o MTBE	with MTBE	w/o MTBE	with MTBE	w/o MTBE
Hexane	1.6	1.4	1.4	1.4	1.4	1.4	1.4
Benzene	0.9	0.4	0.4	0.7	0.7	0.4	0.4
Toluene	1.3	1.1	1.1	1.1	1.1	1.1	1.1
2,2,4 Trimethylpentane	0.8	0.7	0.7	0.7	0.7	0.7	0.7
Xylenes	0.5	0.4	0.4	0.4	0.4	0.4	0.4
Ethylbenzene	0.1	0.1	0.1	0.1	0.1	0.1	0.1
MTBE	—	8.7	—	11.9	—	11.9	—
TOTAL HAPS	4.8	12.9	4.2	16.3	4.4	16	4.2

Source: Reference [15]. Based on expected product makeup of reformulated and oxygenated fuels.

CHEVRON U. S. A. PRODUCTS

PANAMA CITY TERMINAL

VAPOR COMBUSTION UNIT

G & E ENGINEERING, INC.
Environmental Consultants

Client CHEVRON Job No. 10-7866
Project CONSTRUCTION PERMIT
Location PANAMA CITY
Subject VCU POTENTIAL EMISSIONS - SOURCE 1
By KTC Date 5/18/95 Ckd. DEA Date 5/18/95

POTENTIAL VOC LIQUID TRANSFERRED - 175,000,000 GALLONS
JOHN ZINK VCU ACTUAL VOC EMISSION RATE - 35 mg/LITER VOC LIQUID TRANSFERRED

POTENTIAL EMISSIONS - VCU

POTENTIAL EMISSIONS = (35 mg/LITER)(1g/1000 mg)(lb/453.593 g)(1 TON/2000 lbs)
(1000 LITERS/264.17 GALLON)(175,000,000 GALLONS)

= 25.56 TPY VOC

HAPS EMISSIONS ARE SHOWN ON THE SPECIATION SUMMARY SHEET

POTENTIAL EMISSIONS (lb/HR) - BASED ON OPERATING 8760 HR/YR

VOC	(25.56 TPY) (2000 lb/TON) (1 YR/8760 HRS)	= 5.836 lb/HR
BENZENE	(0.18* TPY)	= 0.041 lb/HR
TOLUENE	(0.28* TPY)	= 0.064 lb/HR
ETHYLBENZENE	(0.03* TPY)	= 0.007 lb/HR
XYLENE	(0.10* TPY)	= 0.023 lb/HR
N-HEXANE	(0.36* TPY)	= 0.082 lb/HR
MTBE	(3.04* TPY)	= 0.694 lb/HR

*TAKEN FROM SPECIATION SPREADSHEET

CHEVRON U. S. A. PRODUCTS

PANAMA CITY TERMINAL

HIGH VOLATILITY PRODUCT TANKS

(TANKS 1, 67, 78, AND 84)

G & E ENGINEERING, INC.
Environmental Consultants

Client CHEVRON Job No. 10-2866
Project CONSTRUCTION PERMIT
Location PANAMA CITY
Subject HIGH VOLATILITY STORAGE TANKS - SOURCE 2
By KTC Date 5/18/95 Ckd. DEA Date 5/18/95

HIGH VOLATILITY TANKS — POTENTIAL EMISSIONS (VOC)

TANK 1	5.96 TPY
TANK 67	3.09 TPY
TANK 78	3.61 TPY
TANK 84	5.67 TPY
	18.33 TPY VOC

HIGH VOLATILITY TANKS - HAPS

TANK #		POLLUTANT					
		BENZENE (TPY)*	TOLUENE (TPY)*	ETHYLBENZENE (TPY)*	XYLENE (TPY)*	N-HEXANE (TPY)*	MTBE (TPY)*
1		0.06	0.29	0.07	0.37	0.38	0.57
67		0.02	0.23	0.01	0.07	0.00	0.00
78		0.04	0.18	0.04	0.22	0.23	0.34
84		0.06	0.28	0.06	0.35	0.37	0.54
TOTAL		0.18	0.98	0.18	1.01	0.98	1.45

* TAKEN FROM SPECIATION SPREADSHEET

POTENTIAL EMISSIONS (lb/HR) - BASED ON OPERATING 8760 HRS/YR

VOC	-	(18.33 TPY)(2000 lbs/TON)(1 YR/8760 HR)	= 4.187 lb/HR
BENZENE	-	(0.18 TPY)	= 0.041 lb/HR
TOLUENE	-	(0.98 TPY)	= 0.224 lb/HR
ETHYL BENZE	-	(0.18 TPY)	= 0.041 lb/HR
XYLENE	-	(1.01 TPY)	= 0.231 lb/HR
N-HEXANE	-	(0.98 TPY)	= 0.224 lb/HR
MTBE	-	(1.45 TPY)	= 0.331 lb/HR

TANKS PROGRAM 2.0
EMISSIONS REPORT - SUMMARY FORMAT
TANK IDENTIFICATION AND PHYSICAL CHARACTERISTICS

Identification

Identification No.:	1
City:	Panama City
State:	FL
Company:	Chevron
Type of Tank:	Internal Floating Roof

Tank Dimensions

Diameter (ft):	96
Volume (gallons):	1710618
Turnovers:	53

Paint Characteristics

Shell Condition:	Light Rust
Shell Color/Shade:	White/White
Shell Paint Condition:	Good
Roof Color/Shade:	White/White
Roof Condition:	Good

Rim-Seal System

Primary Seal:	Vapor-mounted
Secondary Seal:	N
Deck Type:	Welded

Deck Characteristics

Deck Fitting Category:	Typical

Deck Fitting/Status	Quantity
Vacuum Breaker (10-in. Diam.)/Weighted Mech. Actuation, Gask.	1
Sample Pipe or Well (24-in. Diam.)/Slit Fabric Seal 10% Open	1
Roof Leg or Hanger Well/Adjustable	30
Ladder Well (36-in Diam.)/Sliding Cover, Ungasketed	1
Column Well (24-in. Diam.)/Built-Up Col.-Sliding Cover, Ungask.	6
Automatic Gauge Float Well/Unbolted Cover, Ungasketed	1
Access Hatch (24-in. Diam.)/Unbolted Cover, Ungasketed	1

Meteorological Data Used in Emission Calculations: Apalachicola, Florida

Mixture/Component	Month	Daily Liquid Surf. Temperatures (deg F) Avg.	Min.	Max.	Liquid Bulk Temp. (deg F)	Vapor Pressures (psia) Avg.	Min.	Max.	Vapor Mol. Weight	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
Gasoline (RVP 10)	All	70.19	65.79	74.59	68.22	6.2116	N/A	N/A	66.000			66.00	Option 4: RVP=10.00, ASTM Slope=2.5

TANKS PROGRAM 2.0
EMISSIONS REPORT - SUMMARY FORMAT
INDIVIDUAL TANK EMISSION TOTALS

Annual Emissions Report

Liquid Contents	Losses (lbs.): Total Withdrawal	Rim-Seal	Deck-Fitting	Deck Seam	Total Standing	Total
Gasoline (RVP 10)	171.70	5791.64	5949.21	0.00	11740.85	11912.55
Total:	171.70	5791.64	5949.21	0.00	11740.85	11912.55
	0.09 TPY				5.87 TPY	5.96 TPY

TANKS PROGRAM 2.0
EMISSIONS REPORT - SUMMARY FORMAT
TANK IDENTIFICATION AND PHYSICAL CHARACTERISTICS

Identification

Identification No.:	67
City:	Panama City
State:	FL
Company:	Chevron
Type of Tank:	Internal Floating Roof

Tank Dimensions

Diameter (ft):	55
Volume(gallons):	699552
Turnovers:	7

Paint Characteristics

Shell Condition:	Light Rust
Shell Color/Shade:	White/White
Shell Paint Condition:	Good
Roof Color/Shade:	White/White
Roof Condition:	Good

Rim-Seal System

Primary Seal:	Vapor-mounted
Secondary Seal:	N
Deck Type:	Welded

Deck Characteristics

Deck Fitting Category:	Typical

Deck Fitting/Status	Quantity
Vacuum Breaker (10-in. Diam.)/Weighted Mech. Actuation, Gask.	1
Sample Pipe or Well (24-in. Diam.)/Slit Fabric Seal 10% Open	1
Roof Leg or Hanger Well/Adjustable	16
Ladder Well (36-in Diam.)/Sliding Cover, Ungasketed	1
Column Well (24-in. Diam.)/Built-Up Col.-Sliding Cover, Ungask.	1
Automatic Gauge Float Well/Unbolted Cover, Ungasketed	1
Access Hatch (24-in. Diam.)/Unbolted Cover, Ungasketed	1

Meteorological Data Used in Emission Calculations: Apalachicola, Florida

TANKS PROGRAM 2.0
EMISSIONS REPORT - SUMMARY FORMAT
LIQUID CONTENTS OF STORAGE TANK

Mixture/Component	Month	Daily Liquid Surf. Temperatures (deg F) Avg.	Min.	Max.	Liquid Bulk Temp. (deg F)	Vapor Pressures (psia) Avg.	Min.	Max.	Vapor Mol. Weight	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
Gasoline (RVP 10)	All	70.19	65.79	74.59	68.22	6.2116	N/A	N/A	66.000			66.00	Option 4: RVP=10.00, ASTM Slope=2.5

Annual Emissions Report

Liquid Contents	Losses (lbs.): Total Withdrawal	Rim-Seal	Deck-Fitting	Deck Seam	Total Standing	Total
Gasoline (RVP 10)	16.46	3318.12	2837.29	0.00	6155.41	6171.87
Total:	16.46	3318.12	2837.29	0.00	6155.41	6171.87
	0.01 TPY				3.08 TPY	3.09 TPY

TANKS PROGRAM 2.0
EMISSIONS REPORT - DETAIL FORMAT
TANK IDENTIFICATION AND PHYSICAL CHARACTERISTICS

Identification

Identification No.:	78
City:	Panama City
State:	FL
Company:	Chevron
Type of Tank:	Internal Floating Roof

Tank Dimensions

Diameter (ft):	67
Volume(gallons):	1053990
Turnovers:	25

Paint Characteristics

Shell Condition:	Light Rust
Shell Color/Shade:	White/White
Shell Paint Condition:	Good
Roof Color/Shade:	White/White
Roof Condition:	Good

Rim-Seal System

Primary Seal:	Vapor-mounted
Secondary Seal:	N
Deck Type:	Welded

Deck Characteristics

Deck Fitting Category: Typical

Deck Fitting/Status	Quantity
Vacuum Breaker (10-in. Diam.)/Weighted Mech. Actuation, Gask.	1
Sample Pipe or Well (24-in. Diam.)/Slit Fabric Seal 10% Open	1
Roof Leg or Hanger Well/Adjustable	20
Ladder Well (36-in Diam.)/Sliding Cover, Ungasketed	1
Column Well (24-in. Diam.)/Built-Up Col.-Sliding Cover, Ungask.	1
Automatic Gauge Float Well/Unbolted Cover, Ungasketed	1
Access Hatch (24-in. Diam.)/Unbolted Cover, Ungasketed	1

Meteorological Data Used in Emission Calculations: Apalachicola, Florida

TANKS PROGRAM 2.0
EMISSIONS REPORT - DETAIL FORMAT
LIQUID CONTENTS OF STORAGE TANK

Mixture/Component	Month	Daily Liquid Surf. Temperatures (deg F) Avg.	Min.	Max.	Liquid Bulk Temp. (deg F)	Vapor Pressures (psia) Avg.	Min.	Max.	Vapor Mol. Weight	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
Gasoline (RVP 10)	All	70.19	65.79	74.59	68.22	6.2116	N/A	N/A	66.000			66.00	Option 4: RVP=10.00, ASTM Slope=2.5

Annual Emission Calculations

Rim Seal Losses (lb):	4042.0787
Seal Factor (lb-mole/ft yr):	6.7000
Value of Vapor Pressure Function:	0.1364
Vapor Pressure at Daily Average Liquid Surface Temperature (psia):	6.211591
Atmoshperic Pressure (psia):	14.7
Tank Diameter (ft):	67
Vapor Molecular Weight (lb/lb-mole):	66.000000
Product Factor:	1.0000
Withdrawal Losses (lb):	67.4612
Number of Columns:	1.0000
Effective Column Diameter (ft):	1.0000
Annual Net Throughput (gal/yr):	25928154
Shell Clingage Factor:	0.0015
Average Organic Liquid Density (lb/gal):	5.1000
Tank Diameter (ft):	67
Deck Fitting Losses (lb):	3121.8283
Value of Vapor Pressure Function:	0.1364
Vapor Molecular Weight (lb/lb-mole):	66.000000
Product Factor:	1.0000
Tot. Deck Fitting Loss Fact. (lb-mole/yr):	346.7000
Deck Seam Losses (lb):	0.0000
Deck Seam Length (ft):	0
Deck Seam Loss per Unit Length Factor (lb-mole/ft-yr):	0.0000
Deck Seam Length Factor (ft/sqft):	0.0000
Tank Diameter (ft):	67
Vapor Molecular Weight (lb/lb-mole):	66.000000
Product Factor:	1.0000

Deck Fitting/Status	Quantity	Deck Fitting Loss Factor KF (lb-mole/yr)
Vacuum Breaker (10-in. Diam.)/Weighted Mech. Actuation, Gask.	1	0.70
Sample Pipe or Well (24-in. Diam.)/Slit Fabric Seal 10% Open	1	12.00
Roof Leg or Hanger Well/Adjustable	20	7.90
Ladder Well (36-in Diam.)/Sliding Cover, Ungasketed	1	76.00
Column Well (24-in. Diam.)/Built-Up Col.-Sliding Cover, Ungask.	1	47.00
Automatic Gauge Float Well/Unbolted Cover, Ungasketed	1	28.00
Access Hatch (24-in. Diam.)/Unbolted Cover, Ungasketed	1	25.00

Total Losses (lb): 7231.37

Annual Emissions Report

Liquid Contents	Losses (lbs.): Total Withdrawal	Rim-Seal	Deck-Fitting	Deck Seam	Total Standing	Total
Gasoline (RVP 10)	67.46	4042.08	3121.83	0.00	7163.91	7231.37
Total:	67.46	4042.08	3121.83	0.00	7163.91	7231.37
	0.03 TPY				3.58 TPY	3.62 TPY

TANKS PROGRAM 2.0
EMISSIONS REPORT - SUMMARY FORMAT
TANK IDENTIFICATION AND PHYSICAL CHARACTERISTICS

Identification

Identification No.:	84
City:	Panama City
State:	FL
Company:	Chevron
Type of Tank:	External Floating Roof

Tank Dimensions

Diameter (ft):	69
Volume(gallons):	1103970
Turnovers:	23

Paint Characteristics

Shell Condition:	Light Rust
Shell Color/Shade:	White/White
Shell Paint Condition:	Good

Roof Characteristics

Roof Type:	Pontoon
Fitting Category:	Typical

Tank Construction and Rim-Seal System

Construction:	Welded
Primary Seal:	Mechanical Shoe
Secondary Seal:	Shoe-mounted

Roof Fitting/Status	Quantity
Vacuum Breaker (10-in. Diam. Well)/Weighted Mech. Actuation, Gask.	1
Unslotted Guide-Pole Well/Ungasketed Sliding Cover	1
Roof Leg (3-in. Diameter)/Adjustable, Pontoon Area	13
Roof Leg (3-in. Diameter)/Adjustable, Center Area	9
Rim Vent (6-in. Diameter)/Weighted Mech. Actuation, Gask.	1
Gauge-Hatch/Sample Well (8-in. Diam.)/Weighted Mech. Actuation, Gask	1
Gauge-Float Well (20-in. Diam.)/Unbolted Cover, Ungask.	1
Access Hatch (24-in. Diam.)/Bolted Cover, Gasketed	1

Meteorological Data Used in Emission Calculations: Apalachicola, Florida

TANKS PROGRAM 2.0
EMISSIONS REPORT - SUMMARY FORMAT
LIQUID CONTENTS OF STORAGE TANK

Mixture/Component	Month	Daily Liquid Surf. Temperatures (deg F) Avg.	Min.	Max.	Liquid Bulk Temp. (deg F)	Vapor Pressures (psia) Avg.	Min.	Max.	Vapor Mol. Weight	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
Gasoline (RVP 10)	All	70.19	65.79	74.59	68.22	6.2116	N/A	N/A	66.000			66.00	Option 4: RVP=10.00, ASTM Slope=2.5

Annual Emissions Report

Liquid Contents	Losses (lbs.): Total Withdrawal	Roof-Fitting	Rim-Seal	Total Standing	Total
Gasoline (RVP 10)	61.83	5426.75	5846.66	11273.41	11335.24
Total:	61.83	5426.75	5846.66	11273.41	11335.24
	0.03 TPY			5.64 TPY	5.67 TPY

CHEVRON U. S. A. PRODUCTS

PANAMA CITY TERMINAL

LOW VOLATILITY PRODUCT TANKS

(TANKS 25, 66, 62, AND 63)

G & E ENGINEERING, INC.
Environmental Consultants

Client: Chevron
Job No. 10-2866
Project: Construction Permit
Location: Panama City Terminal
Subject: Low Volatility Storage Tanks
By: SPG Date: 2/9/95 Ckd.: LCL Date: 2/21/95

Low Volatility Tanks	Potential Emissions
Tank 25	0.23 TPY
Tank 66	0.18 TPY
Tank 62	0.04 TPY
Tank 63	0.04 TPY
	0.49 TPY or 0.112 lb/hr*

*Assume facility operates 8760 hrs/year.

TANKS PROGRAM 2.0
EMISSIONS REPORT - SUMMARY FORMAT
TANK IDENTIFICATION AND PHYSICAL CHARACTERISTICS

Identification

Identification No.:	25
City:	Panama City
State:	FL
Company:	Chevron
Type of Tank:	Vertical Fixed Roof

Tank Dimensions

Shell Height (ft):	40
Diameter (ft):	63
Liquid Height (ft):	38
Avg. Liquid Height (ft):	30
Volume (gallons):	852222
Turnovers:	16
Net Throughput (gal/yr):	13805996

Paint Characteristics

Shell Color/Shade:	White/White
Shell Condition:	Good
Roof Color/Shade:	White/White
Roof Condition:	Good

Roof Characteristics

Type:	Cone
Height (ft):	1.00
Radius (ft) (Dome Roof):	0.00
Slope (ft/ft) (Cone Roof):	0.0318

Breather Vent Settings

Vacuum Setting (psig):	0.00
Pressure Setting (psig):	0.00

Meteorological Data Used in Emission Calculations: Apalachicola, Florida

TANKS PROGRAM 2.0
EMISSIONS REPORT - SUMMARY FORMAT
LIQUID CONTENTS OF STORAGE TANK

Mixture/Component	Month	Daily Liquid Surf. Temperatures (deg F) Avg.	Min.	Max.	Liquid Bulk Temp. (deg F)	Vapor Pressures (psia) Avg.	Min.	Max.	Vapor Mol. Weight	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
Distillate fuel oil no. 2	All	70.19	65.79	74.59	68.22	0.0090	0.0078	0.0104	130.000			130.00	Option 4: A=12.1010, B=8907.0

Annual Emissions Report

Liquid Contents	Losses (lbs.): Standing	Withdrawal	Total
Distillate fuel oil no. 2	80.49	385.15	465.64
Total:	80.49	385.15	465.64

0.23 TPY

TANKS PROGRAM 2.0
EMISSIONS REPORT - SUMMARY FORMAT
TANK IDENTIFICATION AND PHYSICAL CHARACTERISTICS

Identification

Identification No.:	62
City:	Panama City
State:	FL
Company:	Chevron
Type of Tank:	Vertical Fixed Roof

Tank Dimensions

Shell Height (ft):	40
Diameter (ft):	30
Liquid Height (ft):	40
Avg. Liquid Height (ft):	30
Volume (gallons):	211492
Turnovers:	9
Net Throughput (gal/yr):	1839980

Paint Characteristics

Shell Color/Shade:	White/White
Shell Condition:	Good
Roof Color/Shade:	White/White
Roof Condition:	Good

Roof Characteristics

Type:	Cone
Height (ft):	1.00
Radius (ft) (Dome Roof):	0.00
Slope (ft/ft) (Cone Roof):	0.0667

Breather Vent Settings

Vacuum Setting (psig):	0.00
Pressure Setting (psig):	0.00

Meteorological Data Used in Emission Calculations: Apalachicola, Florida

Mixture/Component	Month	Daily Liquid Surf. Temperatures (deg F) Avg.	Min.	Max.	Liquid Bulk Temp. (deg F)	Vapor Pressures (psia) Avg.	Min.	Max.	Vapor Mol. Weight	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
Jet kerosene	All	70.19	65.79	74.59	68.22	0.0115	0.0099	0.0132	130.000			130.00	Option 4: A=12.3900, B=8933.0

Annual Emissions Report

Liquid Contents	Losses (lbs.): Standing	Withdrawal	Total
Jet kerosene	23.20	65.25	88.45
Total:	23.20	65.25	88.45

0.04 TPY

TANKS PROGRAM 2.0
EMISSIONS REPORT - SUMMARY FORMAT
TANK IDENTIFICATION AND PHYSICAL CHARACTERISTICS

Identification

Identification No.:	63
City:	Panama City
State:	FL
Company:	Chevron
Type of Tank:	Vertical Fixed Roof

Tank Dimensions

Shell Height (ft):	40
Diameter (ft):	30
Liquid Height (ft):	40
Avg. Liquid Height (ft):	30
Volume (gallons):	211492
Turnovers:	9
Net Throughput (gal/yr):	1839980

Paint Characteristics

Shell Color/Shade:	White/White
Shell Condition:	Good
Roof Color/Shade:	White/White
Roof Condition:	Good

Roof Characteristics

Type:	Cone
Height (ft):	1.00
Radius (ft) (Dome Roof):	0.00
Slope (ft/ft) (Cone Roof):	0.0667

Breather Vent Settings

Vacuum Setting (psig):	0.00
Pressure Setting (psig):	0.00

Meteorological Data Used in Emission Calculations: Apalachicola, Florida

ixture/Component	Month	Daily Liquid Surf. Temperatures (deg F) Avg.	Min.	Max.	Liquid Bulk Temp. (deg F)	Vapor Pressures (psia) Avg.	Min.	Max.	Vapor Mol. Weight	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
et kerosene	All	70.19	65.79	74.59	68.22	0.0115	0.0099	0.0132	130.000			130.00	Option 4: A=12.3900, B=8933.0

nnual Emissions Report

iquid Contents	Losses (lbs.): Standing	Withdrawal	Total
et kerosene	23.20	65.25	88.45
otal:	23.20	65.25	88.45

0.04 TPY

TANKS PROGRAM 2.0
EMISSIONS REPORT - SUMMARY FORMAT
TANK IDENTIFICATION AND PHYSICAL CHARACTERISTICS

Identification

Identification No.:	66
City:	Panama City
State:	FL
Company:	Chevron
Type of Tank:	Vertical Fixed Roof

Tank Dimensions

Shell Height (ft):	48
Diameter (ft):	55
Liquid Height (ft):	47
Avg. Liquid Height (ft):	40
Volume (gallons):	789642
Turnovers:	14
Net Throughput (gal/yr):	11291881

Paint Characteristics

Shell Color/Shade:	White/White
Shell Condition:	Good
Roof Color/Shade:	White/White
Roof Condition:	Good

Roof Characteristics

Type:	Cone
Height (ft):	1.00
Radius (ft) (Dome Roof):	0.00
Slope (ft/ft) (Cone Roof):	0.0364

Breather Vent Settings

Vacuum Setting (psig):	0.00
Pressure Setting (psig):	0.00

Meteorological Data Used in Emission Calculations: Apalachicola, Florida

TANKS PROGRAM 2.0
EMISSIONS REPORT - SUMMARY FORMAT
LIQUID CONTENTS OF STORAGE TANK

Mixture/Component	Month	Daily Liquid Surf. Temperatures (deg F) Avg.	Min.	Max.	Liquid Bulk Temp. (deg F)	Vapor Pressures (psia) Avg.	Min.	Max.	Vapor Mol. Weight	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
Distillate fuel oil no. 2	All	70.19	65.79	74.59	68.22	0.0090	0.0078	0.0104	130.000			130.00	Option 4: A=12.1010, B=8907.0

Annual Emissions Report

Liquid Contents	Losses (lbs.): Standing	Withdrawal	Total
Distillate fuel oil no. 2	49.52	315.01	364.53
Total:	49.52	315.01	364.53

0.18 TPY

CHEVRON U. S. A. PRODUCTS

PANAMA CITY TERMINAL

MISCELLANEOUS SMALL TANKS

(TANKS 17, 18, 20, 21, 95, AND 96)

G & E ENGINEERING, INC.
Environmental Consultants

Client Chevron Job No. 10-2866
Project Construction Permit
Location Panama City
Subject Misc. Small Tanks
By SPG Date 3/14/95 Ckd. Date

Miscellaneous Small Tanks	Potential Emissions (VOC)
Tank 17	0 TPY
Tank 18	0 TPY
Tank 20	0 TPY
Tank 21	0 TPY
Tank 95	0 TPY
Tank 96	1.03 TPY

1.03 TPY VOC

Potential Emissions (lb/hr) - based on operating 8760 hr/yr

$$(1.03\ TPY)(1\ yr/8760\ hr)(2000\ lb/ton) = 0.235\ lb/hr$$

TANKS PROGRAM 2.0
EMISSIONS REPORT - SUMMARY FORMAT
TANK IDENTIFICATION AND PHYSICAL CHARACTERISTICS

Identification

Identification No.:	17
City:	Panama City
State:	FL
Company:	Chevron
Type of Tank:	Horizontal Fixed Roof

Tank Dimensions

Shell Length (ft):	16
Diameter (ft):	8
Volume(gallons):	5838
Is tank underground? (Y/N):	N
Turnovers:	3
Net Throughput (gal/yr):	14595

Paint Characteristics

Shell Color/Shade:	White/White
Shell Condition:	Good

Breather Vent Settings

Vacuum Setting (psig):	0.00
Pressure Setting (psig):	0.00

Meteorological Data Used in Emission Calculations: Apalachicola, Florida

TANKS PROGRAM 2.0
EMISSIONS REPORT - SUMMARY FORMAT
LIQUID CONTENTS OF STORAGE TANK

Mixture/Component	Month	Daily Liquid Surf. Temperatures (deg F) Avg.	Min.	Max.	Liquid Bulk Temp. (deg F)	Vapor Pressures (psia) Avg.	Min.	Max.	Vapor Mol. Weight	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
Distillate fuel oil no. 2	All	70.19	65.79	74.59	68.22	0.0090	0.0078	0.0104	130.000			130.00	Option 4: A=12.1010, B=8907.0

Annual Emissions Report

Liquid Contents	Losses (lbs.): Standing	Withdrawal	Total
Distillate fuel oil no. 2	1.28	0.41	1.69
Total:	1.28	0.41	1.69

0,00 TPY

TANKS PROGRAM 2.0
EMISSIONS REPORT - SUMMARY FORMAT
TANK IDENTIFICATION AND PHYSICAL CHARACTERISTICS

Identification

Identification No.:	18
City:	Panama City
State:	FL
Company:	Chevron
Type of Tank:	Horizontal Fixed Roof

Tank Dimensions

Shell Length (ft):	11
Diameter (ft):	8
Volume(gallons):	4000
Is tank underground? (Y/N):	N
Turnovers:	4
Net Throughput (gal/yr):	14800

Paint Characteristics

Shell Color/Shade:	White/White
Shell Condition:	Good

Breather Vent Settings

Vacuum Setting (psig):	0.00
Pressure Setting (psig):	0.00

Meteorological Data Used in Emission Calculations: Apalachicola, Florida

TANKS PROGRAM 2.0
EMISSIONS REPORT - SUMMARY FORMAT
LIQUID CONTENTS OF STORAGE TANK

Mixture/Component	Month	Daily Liquid Surf. Temperatures (deg F) Avg.	Min.	Max.	Liquid Bulk Temp. (deg F)	Vapor Pressures (psia) Avg.	Min.	Max.	Vapor Mol. Weight	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
Distillate fuel oil no. 2	All	70.19	65.79	74.59	68.22	0.0090	0.0078	0.0104	130.000			130.00	Option 4: A=12.1010, B=8907.0

Annual Emissions Report

Liquid Contents	Losses (lbs.): Standing	Withdrawal	Total
Distillate fuel oil no. 2	0.88	0.41	1.29
Total:	0.88	0.41	1.29

0.00 TPY

G & E ENGINEERING, INC.
Environmental Consultants

Client Chevron Job No. 10-2886
Project Construction Permit
Location Panama City
Subject Tank 20
By SPG Date 3/24/95 Ckd. _____ Date _____

Tank 20 - Flare Drop Out

This tank is designed to catch any condensate from gas being routed to the flare of the VCU. However, since it has been installed, no condensate has ever collected in the tank.

Therefore, Tank 20 is considered empty with no emissions.

TANKS PROGRAM 2.0
EMISSIONS REPORT - SUMMARY FORMAT
TANK IDENTIFICATION AND PHYSICAL CHARACTERISTICS

Identification

Identification No.:	21
City:	Panama City
State:	FL
Company:	Chevron
Type of Tank:	Horizontal Fixed Roof

Tank Dimensions

Shell Length (ft):	15
Diameter (ft):	8
Volume (gallons):	5800
Is tank underground? (Y/N):	N
Turnovers:	3
Net Throughput (gal/yr):	14500

Paint Characteristics

Shell Color/Shade:	White/White
Shell Condition:	Good

Breather Vent Settings

Vacuum Setting (psig):	0.00
Pressure Setting (psig):	0.00

Meteorological Data Used in Emission Calculations: Apalachicola, Florida

TANKS PROGRAM 2.0
EMISSIONS REPORT - SUMMARY FORMAT
LIQUID CONTENTS OF STORAGE TANK

Mixture/Component	Month	Daily Liquid Surf. Temperatures (deg F) Avg.	Min.	Max.	Liquid Bulk Temp. (deg F)	Vapor Pressures (psia) Avg.	Min.	Max.	Vapor Mol. Weight	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
Distillate fuel oil no. 2	All	70.19	65.79	74.59	68.22	0.0090	0.0078	0.0104	130.000			130.00	Option 4: A=12.1010, B=8907.0

Annual Emissions Report

Liquid Contents	Losses (lbs.): Standing	Withdrawal	Total
Distillate fuel oil no. 2	1.20	0.40	1.61
Total:	1.20	0.40	1.61

0.00 TPY

TANKS PROGRAM 2.0
EMISSIONS REPORT - SUMMARY FORMAT
TANK IDENTIFICATION AND PHYSICAL CHARACTERISTICS

Identification

Identification No.:	95
City:	Panama City
State:	FL
Company:	Chevron
Type of Tank:	Vertical Fixed Roof

Tank Dimensions

Shell Height (ft):	35
Diameter (ft):	12
Liquid Height (ft):	33
Avg. Liquid Height (ft):	20
Volume (gallons):	27510
Turnovers:	1
Net Throughput (gal/yr):	30261

Paint Characteristics

Shell Color/Shade:	White/White
Shell Condition:	Good
Roof Color/Shade:	White/White
Roof Condition:	Good

Roof Characteristics

Type:	Cone
Height (ft):	1.00
Radius (ft) (Dome Roof):	0.00
Slope (ft/ft) (Cone Roof):	0.1667

Breather Vent Settings

Vacuum Setting (psig):	0.00
Pressure Setting (psig):	0.00

Meteorological Data Used in Emission Calculations: Apalachicola, Florida

TANKS PROGRAM 2.0
EMISSIONS REPORT - SUMMARY FORMAT
LIQUID CONTENTS OF STORAGE TANK

Mixture/Component	Month	Daily Liquid Surf. Temperatures (deg F) Avg.	Min.	Max.	Liquid Bulk Temp. (deg F)	Vapor Pressures (psia) Avg.	Min.	Max.	Vapor Mol. Weight	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
Distillate fuel oil no. 2	All	70.19	65.79	74.59	68.22	0.0090	0.0078	0.0104	130.000			130.00	Option 4: A=12.1010, B=8907.0

TANKS PROGRAM 2.0
EMISSIONS REPORT - SUMMARY FORMAT
INDIVIDUAL TANK EMISSION TOTALS

Annual Emissions Report

Liquid Contents	Losses (lbs.): Standing	Withdrawal	Total
Distillate fuel oil no. 2	4.32	0.84	5.17
Total:	4.32	0.84	5.17

0.00 TPY

TANKS PROGRAM 2.0
EMISSIONS REPORT - SUMMARY FORMAT
TANK IDENTIFICATION AND PHYSICAL CHARACTERISTICS

Identification

Identification No.:	96
City:	Panama City
State:	FL
Company:	Chevron
Type of Tank:	Horizontal Fixed Roof

Tank Dimensions

Shell Length (ft):	32
Diameter (ft):	8
Volume (gallons):	11550
Is tank underground? (Y/N):	N
Turnovers:	2
Net Throughput (gal/yr):	25410

Paint Characteristics

Shell Color/Shade:	White/White
Shell Condition:	Good

Breather Vent Settings

Vacuum Setting (psig):	0.00
Pressure Setting (psig):	0.00

Meteorological Data Used in Emission Calculations: Apalachicola, Florida

TANKS PROGRAM 2.0
EMISSIONS REPORT - SUMMARY FORMAT
LIQUID CONTENTS OF STORAGE TANK

Mixture/Component	Month	Daily Liquid Surf. Temperatures (deg F) Avg.	Min.	Max.	Liquid Bulk Temp. (deg F)	Vapor Pressures (psia) Avg.	Min.	Max.	Vapor Mol. Weight	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
Gasoline (RVP 10)	All	70.19	65.79	74.59	68.22	6.2116	5.7096	6.7483	66.000			66.00	Option 4: RVP=10.00, ASTM Slope=2.5

TANKS PROGRAM 2.0
EMISSIONS REPORT - SUMMARY FORMAT
INDIVIDUAL TANK EMISSION TOTALS

Annual Emissions Report

Liquid Contents	Losses (lbs.): Standing	Withdrawal	Total
Gasoline (RVP 10)	1806.04	248.03	2054.06
Total:	1806.04	248.03	2054.06

1.03 TPY

CHEVRON U. S. A. PRODUCTS

PANAMA CITY TERMINAL

WASTEWATER EMISSIONS

(OIL/WATER SEPARATORS 1 AND 2, TANK 3, AND EVAPORATOR)

G & E ENGINEERING, INC.
Environmental Consultants

Client Chevron Job No. 10-2866
Project Permit Application
Location Panama City
Subject Wastewater Emissions
By SPG Date 3/14/95 Ckd. Date

Wastewater Sources	Potential Emissions (VOC)
Oil/Water Separator 1	0 TPY
Oil/Water Separator 2	0 TPY
Tank 3	0 TPY
Evaporation Tank	0.01 TPY
	0.01 TPY VOC

Potential Emissions (lb/hr) - based on operating 8760 hr/yr

$(0.01\ TPY)(1\ yr/8760\ hr)(2000\ lb/ton) = 0.002\ lb/hr$

Oil / Water Separator Emission Estimation

Each oil/water separator was modeled with the EPA "Tanks" software package as two separate underground horizontal tanks. The oil side and the oil/water section of the oil/water separator were modeled as a single tank containing gasoline. The water side was modeled as a tank containing water with two percent benzene for a worse case organic concentration estimate. The standing loss estimations for each tank run were summed together for the oil/water separator emissions.

G & E ENGINEERING, INC.

CHEVRON U. S. A. PRODUCTS

PANAMA CITY TERMINAL

OIL/WATER SEPARATOR 1

---- Tank Characteristics ----

Identification

Identification No.:	Oil/Water Separator (Oil side and center)
City:	Panama City
State:	Florida
Company:	Chevron

Input Parameters

Type of Tank:	Horizontal Fixed Roof

Tank Dimensions

Shell Length (ft):	17
Diameter (ft):	8
Liquid Height (ft):	0
Volume (gallons):	6667
Turnovers:	286
Net Throughput (gal/yr):	1906762
Is tank underground? (Y/N):	Y

Paint Characteristics

Paint Color:	White
Paint Shade:	White
Condition:	Good

Breather Vent Settings

Vacuum Setting(psig):	0.00
Pressure Setting(psig):	0.00

---- Storage Tank Contents Temperature Data ----

Daily Average Ambient Temperature (Degrees Farenheit) =	68.20
Daily Minimum Ambient Temperature (Degrees Farenheit) =	60.80
Daily Maximum Ambient Temperature (Degrees Farenheit) =	75.50
Daily Ambient Temperature Range =	14.70
Solar Insolation Factor =	1473.00
Alpha (Shell) =	0.17
Liquid Bulk Temperature (Degrees Farenheit) =	68.22
Average Liquid Surface Temperature (Degrees Farenheit) =	70.19
Daily Maximum Liquid Surface Temperature (Degrees Farenheit) =	74.59
Daily Minimum Liquid Surface Temperature (Degrees Farenheit) =	65.79
Daily Vapor Temperature Range =	17.60

---- Storage Tank Vapor Pressure Information ----

Speciation Option: None

Chemical Liquid: Gasoline (rvp 10)

Vapor Pressure of total mixture =	6.294819
Minimum Vapor Pressure of total mixture =	5.794918
Maximum Vapor Pressure of total mixture =	6.828533
Vapor Molecular Weight of Mixture =	66.000000
Vapor pressure range =	1.033615

---- Storage Tank Standing Loss Information (AP-42) ----

Effective Diameter =	
Roof Outage =	0.00
Vapor Space Outage =	0.00
Vapor Space Volume =	0.00
Vapor Density =	
Breather Vent Range =	
Vapor Space Expansion Factor =	
Vented Vapor Saturation Factor =	
Total Standing Losses =	0.00
	0.00 TPY

---- Tank Characteristics ----

Identification

Identification No.:	Oil/Water Separator (water side)
City:	Panama City
State:	Florida
Company:	Chevron

Input Parameters

Type of Tank:	Horizontal Fixed Roof

Tank Dimensions

Shell Length (ft):	9
Diameter (ft):	8
Liquid Height (ft):	0
Volume (gallons):	3333
Turnovers:	191
Net Throughput (gal/yr):	636603
Is tank underground? (Y/N):	Y

Paint Characteristics

Paint Color:	White
Paint Shade:	White
Condition:	Good

Breather Vent Settings

Vacuum Setting(psig):	0.00
Pressure Setting(psig):	0.00

---- Storage Tank Contents Temperature Data ----

Daily Average Ambient Temperature (Degrees Farenheit) =	68.20
Daily Minimum Ambient Temperature (Degrees Farenheit) =	60.80
Daily Maximum Ambient Temperature (Degrees Farenheit) =	75.50
Daily Ambient Temperature Range =	14.70
Solar Insolation Factor =	1473.00
Alpha (Shell) =	0.17
Liquid Bulk Temperature (Degrees Farenheit) =	68.22
Average Liquid Surface Temperature (Degrees Farenheit) =	70.19
Daily Maximum Liquid Surface Temperature (Degrees Farenheit) =	74.59
Daily Minimum Liquid Surface Temperature (Degrees Farenheit) =	65.79
Daily Vapor Temperature Range =	17.60

---- Storage Tank Vapor Pressure Information ----

Speciation Option: Full Speciation

Benzene was chosen as the conservative, worse case constituent.
2 percent was based on analysis of discharge water from the Montgomery Terminal.

Component No.: 1

Component Name:	Benzene
Liquid Mass Fraction:	0.020000
Vapor Mass Fraction:	0.079164
Moles:	0.025605
Vapor Molecular Weight:	1.537491
Liquid Mole Fraction:	0.004681
Vapor Mole Fraction:	0.019684
Average Vapor pressure:	1.539057
Minimum Vapor pressure:	1.368381
Maximum Vapor pressure:	1.726959

Component No.: 2

Component Name:	water
Liquid Mass Fraction:	0.980000
Vapor Mass Fraction:	0.920836
Moles:	5.444444
Vapor Molecular Weight:	17.884067
Liquid Mole Fraction:	0.995319
Vapor Mole Fraction:	0.993559
Average Vapor pressure:	0.365353
Minimum Vapor pressure:	0.313999
Maximum Vapor pressure:	0.423891

Vapor Pressure of total mixture =	0.366000
Minimum Vapor Pressure of total mixture =	0.318934
Maximum Vapor Pressure of total mixture =	0.429991
Vapor Molecular Weight of Mixture =	19.421557
Vapor pressure range =	0.111056

---- Storage Tank Standing Loss Information (AP-42) ----

Effective Diameter =	
Roof Outage =	0.00
Vapor Space Outage =	0.00
Vapor Space Volume =	0.00
Vapor Density =	
Breather Vent Range =	
Vapor Space Expansion Factor =	
Vented Vapor Saturation Factor =	
Total Standing Losses =	0.00

---- Storage Tank Working Loss Information (AP-42) ----

Net Throughput (gal/year) =	636603
Liquid Volume (cubic feet) =	446
Turnovers =	191
Turnover Factor =	0.3238
Working Loss Product Factor =	1.00
Total Working Losses =	34.88

---- Storage Tank Total Losses (AP-42) ----

Total losses = 34.88

---- Component Losses ----

Component = Benzene

Standing Losses:	0.00
Working Losses:	2.76
Total Losses:	2.76
	0.00 TPY

G & E ENGINEERING, INC.

CHEVRON U. S. A. PRODUCTS

PANAMA CITY TERMINAL

OIL/WATER SEPARATOR 2

---- Tank Characteristics ----

Identification

Identification No.:	Oil/Water Separator (Oil side and center)
City:	Panama City
State:	Florida
Company:	Chevron

Input Parameters

Type of Tank:	Horizontal Fixed Roof

Tank Dimensions

Shell Length (ft):	17
Diameter (ft):	8
Liquid Height (ft):	0
Volume gallons):	6667
Turnovers:	286
Net Throughput (gal/yr):	1906762
Is tank underground? (Y/N):	Y

Paint Characteristics

Paint Color:	White
Paint Shade:	White
Condition:	Good

Breather Vent Settings

Vacuum Setting(psig):	0.00
Pressure Setting(psig):	0.00

---- Storage Tank Contents Temperature Data ----

Daily Average Ambient Temperature (Degrees Farenheit) =	68.20
Daily Minimum Ambient Temperature (Degrees Farenheit) =	60.80
Daily Maximum Ambient Temperature (Degrees Farenheit) =	75.50
Daily Ambient Temperature Range =	14.70
Solar Insolation Factor =	1473.00
Alpha (Shell) =	0.17
Liquid Bulk Temperature (Degrees Farenheit) =	68.22
Average Liquid Surface Temperature (Degrees Farenheit) =	70.19
Daily Maximum Liquid Surface Temperature (Degrees Farenheit) =	74.59
Daily Minimum Liquid Surface Temperature (Degrees Farenheit) =	65.79
Daily Vapor Temperature Range =	17.60

---- Storage Tank Vapor Pressure Information ----

Speciation Option: None

Chemical Liquid: Gasoline (rvp 10)

Vapor Pressure of total mixture =	6.294819
Minimum Vapor Pressure of total mixture =	5.794918
Maximum Vapor Pressure of total mixture =	6.828533
Vapor Molecular Weight of Mixture =	66.000000
Vapor pressure range =	1.033615

---- Storage Tank Standing Loss Information (AP-42) ----

Effective Diameter =	
Roof Outage =	0.00
Vapor Space Outage =	0.00
Vapor Space Volume =	0.00
Vapor Density =	
Breather Vent Range =	
Vapor Space Expansion Factor =	
Vented Vapor Saturation Factor =	
Total Standing Losses =	0.00
	0.00 TPY

---- Tank Characteristics ----

Identification

Identification No.:	Oil Water Separator (water side)
City:	Panama City
State:	Florida
Company:	Chevron

Input Parameters

Type of Tank:	Horizontal Fixed Roof

Tank Dimensions

Shell Length (ft):	9
Diameter (ft):	8
Liquid Height (ft):	0
Volume (gallons):	3333
Turnovers:	191
Net Throughput (gal/yr):	636603
Is tank underground? (Y/N):	Y

Paint Characteristics

Paint Color:	White
Paint Shade:	White
Condition:	Good

Breather Vent Settings

Vacuum Setting(psig):	0.00
Pressure Setting(psig):	0.00

---- Storage Tank Contents Temperature Data ----

Daily Average Ambient Temperature (Degrees Farenheit) =	68.20
Daily Minimum Ambient Temperature (Degrees Farenheit) =	60.80
Daily Maximum Ambient Temperature (Degrees Farenheit) =	75.50
Daily Ambient Temperature Range =	14.70
Solar Insolation Factor =	1473.00
Alpha (Shell) =	0.17
Liquid Bulk Temperature (Degrees Farenheit) =	68.22
Average Liquid Surface Temperature (Degrees Farenheit) =	70.19
Daily Maximum Liquid Surface Temperature (Degrees Farenheit) =	74.59
Daily Minimum Liquid Surface Temperature (Degrees Farenheit) =	65.79
Daily Vapor Temperature Range =	17.60

---- Storage Tank Vapor Pressure Information ----

Speciation Option: Full Speciation

Benzene was chosen as the conservative, worse case constituent.
2 percent was based on analysis of discharge water from the Montgomery Terminal.

Component No.: 1

Component Name:	Benzene
Liquid Mass Fraction:	0.020000
Vapor Mass Fraction:	0.079164
Moles:	0.025605
Vapor Molecular Weight:	1.537491
Liquid Mole Fraction:	0.004681
Vapor Mole Fraction:	0.019684
Average Vapor pressure:	1.539057
Minimum Vapor pressure:	1.368381
Maximum Vapor pressure:	1.726959

Component No.: 2

Component Name:	water
Liquid Mass Fraction:	0.980000
Vapor Mass Fraction:	0.920836
Moles:	5.444444
Vapor Molecular Weight:	17.884067
Liquid Mole Fraction:	0.995319
Vapor Mole Fraction:	0.993559
Average Vapor pressure:	0.365353
Minimum Vapor pressure:	0.313999
Maximum Vapor pressure:	0.423891

Vapor Pressure of total mixture =	0.366000
Minimum Vapor Pressure of total mixture =	0.318934
Maximum Vapor Pressure of total mixture =	0.429991
Vapor Molecular Weight of Mixture =	19.421557
Vapor pressure range =	0.111056

---- Storage Tank Standing Loss Information (AP-42) ----

Effective Diameter =	
Roof Outage =	0.00
Vapor Space Outage =	0.00
Vapor Space Volume =	0.00
Vapor Density =	
Breather Vent Range =	
Vapor Space Expansion Factor =	
Vented Vapor Saturation Factor =	
Total Standing Losses =	0.00

---- Storage Tank Working Loss Information (AP-42) ----

Net Throughput (gal/year) =	636603
Liquid Volume (cubic feet) =	446
Turnovers =	191
Turnover Factor =	0.3238
Working Loss Product Factor =	1.00
Total Working Losses =	34.88

---- Storage Tank Total Losses (AP-42) ----

Total losses = 34.88

---- Component Losses ----

Component = Benzene

Standing Losses:	0.00
Working Losses:	2.76
Total Losses:	2.76
	0.00 TPY

G & E ENGINEERING, INC.
Environmental Consultants

Client Chevron Job No. 10-2866
Project Permit Application
Location Panama City Terminal
Subject Tank 3 emissions
By SMG Date 2/9/95 Ckd. LCL Date 2-21-95

Tank 3 is used as a holding tank for water going to the evaporation tank. Any VOC's in this water are emitted somewhere between Tank 3 and the evaporation tank, Since these emissions are insignificant as compared to the facility's total emissions, it is assumed for calculation purposes that any VOC's in the water held in Tank 3 are emitted when this water is evaporated in the evaporation tank.

G & E ENGINEERING, INC.
Environmental Consultants

Client: Chevron — Job No. 10-2866
Project: Construction Permit
Location: Panama City Terminal
Subject: Evaporation Tank
By: SPG — Date: 2/9/95 — Ckd.: LG — Date: 2/21/95

Evaporation Tank Emissions (E1)

Estimated TPH concentration in water in evaporation tank - 1mg/liter *
Gallons of water evaporated (potential) - 1,500,000 gallons **

$$\text{Evaporation Tank Emissions} = (1{,}500{,}000 \text{ gallons})\left(\frac{1000 \text{ liters}}{264.17 \text{ gal}}\right)(1 \text{mg/liter})$$

$$= 5{,}678{,}162 \text{ mg/yr}$$
$$= 5.7 \text{ kg/yr}$$
$$= 12.54 \text{ lb/yr}$$

$$= \underline{0.01 \text{ TPY}}$$

* Based on lab analysis of evaporation tank water at Chevron's Birmingham, Alabama Terminal.
** Based on estimates by site personnel.

CHEVRON U. S. A. PRODUCTS

PANAMA CITY TERMINAL

FACILITY FUGITIVES

G & E ENGINEERING, INC.
Environmental Consultants

Client: Chevron
Job No. 10-2866
Project: Permit Application
Location: Panama City
Subject: Fugitive Emissions
By: DEA Date: 5/19/95 Ckd. _____ Date _____

Fugitive Emissons

Potential Emissions (TPY)

Source	Benzene*	Toluene*	Ethylbenzene*	Xylene*	n-Hexane*	2,2,4-Trimethyl pentane*	MTBE*	VOC
F1	0.02	0.04	0.00	0.01	0.05	0.02	0.39	3.31
F2	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.16
Total	0.02	0.04	0.00	0.01	0.05	0.02	0.41	3.47

* See speciation spreadsheet at beginning of calculations

Potential Emissions (lb/hr) based on operating 8,760 hr/yr

VOC	3.47 TPY $\left(\frac{2000\,lb}{ton}\right)\left(\frac{year}{8,760\,hr}\right)$	=	0.792	lb/hr
benzene	0.02 "	=	0.005	lb/hr
toluene	0.04 "	=	0.009	lb/hr
xylene	0.01 "	=	0.002	lb/hr
n-hexane	0.05 "	=	0.011	lb/hr
2,2,4 trimethylpentane	0.02 "	=	0.005	lb/hr
MTBE	0.41 "	=	0.094	lb/hr

G & E ENGINEERING, INC.
Environmental Consultants

Client CHEVRON Job No. 10-2866
Project CONSTRUCTION PERMIT
Location PANAMA CITY
Subject LOADING AREA FUGITIVES
By KTC Date 5/18/95 Ckd. DEA Date 5/18/95

FUGITIVES = LOADING AREA FUGITIVES + STORAGE AREA FUGITIVES + FUGITIVES FROM TANK TRUCKS DURING LOADING*

F1 LOADING AREA FUGITIVES + FUGITIVES FROM TANK TRUCKS DURING LOADING =
0.03 TPY + 3.28 TPY
3.31 TPY

F2 STORAGE AREA FUGITIVES = 0.16 TPY

* ATTACHED IS THE FEDERAL REGISTER ENTRY WHICH INDICATES A LOSS RATE OF 0.8% SHOULD BE UTILIZED TO ACCOUNT FOR LEAKING TANK TRUCKS.

D. Cargo Tank Requirements

1. Emission Factors

Several commenters stated that the EPA's assumption at proposal that tank trucks that have passed the EPA Method 27 annual vapor tightness test leak 10 percent of their emissions during controlled loading is outdated and inaccurate. Consequently, the baseline emissions calculated for tank trucks are grossly overstated. New data suggest that very few tank trucks leak due to today's better construction standards and the test requirements in effect under current Federal and State rules. One commenter provided calculations indicating that, under the proposed pressure decay standard (which is the same as the 40 CFR part 60, subpart XX NSPS requirement), a typical controlled tank truck would have a leakage emission factor for loading of 5.6 mg/liter (at the allowable maximum of 18 in. H_2O backpressure). Another commenter estimated, on the basis of test failure rate data from the Bay Area Air Quality Management District (BAAQMD) and several oil companies, that the overall average leak rate is 0.88 percent of the total volume of vapors displaced during the loading of tank trucks connected to a vapor recovery system.

The EPA's estimate of 10 percent vapor leakage from emission sources in tank trucks while loading at controlled loading racks was based on data collected in 1978 on 27 tank trucks in California. These tank trucks were under a State requirement to be certified annually in a vapor tightness test, and time periods ranging from 4 days to a full year had elapsed since the last certification test for these trucks. The volume losses among the trucks varied from 0.1 to 35.8 percent, with the average leakage being about 10 percent. The data from these tests were further described, and the 10 percent figure derived, in the BID for the proposed NSPS for bulk gasoline terminals (docket item II–A–14).

The commenter who supplied the 0.88 percent overall leakage estimate relied upon vapor volume loss data for individual tank trucks reported in the 1978 study, and combined these data with test failure rate data from the BAAQMD (pressure test data) and from several oil companies (combustible gas detector results gathered during loading rack performance tests). Based on an assumption that a leak definition of 10,000 ppm is equivalent to a 1 percent loss of vapors through leakage, the commenter determined that the average leak rate for tanks with leakage rates over 1 percent ("failing" tanks) was 12.1 percent, while the average leak rate for the remaining, "passing" tanks was 0.5 percent. On the basis of the failure rate data, the overall failure rate during 1989 to 1994 was found to be 3.3 percent. Combining the average leak rate figures with these failure prevalence data, the commenter arrived at the overall leak rate for all tank trucks of 0.88 percent.

The EPA recognizes and agrees with the commenter that the available data indicate that overall vapor leakage rates from tank trucks subject to a regular test and repair program using the pressure decay procedure have been reduced over the past 16 years. However, the use of concentration data to estimate a volume leakage rate, as the commenter has done, is uncertain. In addition, neither the EPA nor industry have access to current data for several areas throughout the country that would allow a national average calculation of this volume leakage to be made. Therefore, any numerical result derived from the existing data would be at best a broad estimate, which would not account for the full range of truck ages, ownership scenarios, and local control programs.

In spite of these limitations, the EPA has made an estimate which it feels more closely reflects actual overall emissions under a vapor-tight cargo tank program than the emission factor used for the proposal. The Agency's new emission factor, 0.8 percent of the total vapors displaced or 8 mg of VOC/liter, is based on the use of a volume loss equation found in Appendix C of the tank truck CTG (EPA–450/2–78–051), combined with the test failure rate data submitted by the commenter and measured leakage from trucks that failed the test. This new emission factor represents the emissions after control to the level of today's final standards as discussed in the following sections. The promulgation BID, Appendix A presents more details on the calculation of this emission factor

2. Control Level

a. Vacuum assist vapor collection. Many commenters expressed opposition to the proposal to require use of "vacuum assist" technology at new bulk terminal loading racks. Most of the commenters felt that annual vapor tightness testing is adequate to control tank truck leakage emissions. Some commenters expressed safety concerns; e.g., the potential for fires and tank truck implosion. One of them said that internal tank vacuums can (and already do) damage the internal compartment heads of tank trucks by reversing those heads and weakening the tank's outer shell, which compromises product retention capability. Several do not believe that vacuum assist technology has been demonstrated as "achievable in practice." The technology has been used in only one State (Texas) and has not been tested under various climatic conditions, such as combined low temperatures and high humidity levels. Others believe that the complexity of the loading system would increase. Also, due to rapid fluctuations in gasoline flow rates and the requirement to maintain a vacuum at all times during loading, nuisance shutdowns of the loading operation could be a problem. One commenter said that such a system may adversely affect the efficiency of the vapor control device because air can leak into the vapor collection system and dilute the inlet VOC concentration. Another commenter felt that volatilization of fuel in the cargo tank would be increased due to the vacuum, sending more vapors to the control device. This would require a larger device which may have greater emissions, and more solid waste impact for the case of a carbon system. One commenter said that vacuum assist systems will increase electrical power consumption 15 to 400 percent depending on the type of emission control device used. Others said that vacuum assist is unnecessary, because tank trucks do not leak enough during loading to justify vacuum assist as a means of reducing the losses. Recent API data show that tank truck leakage has been significantly reduced since the EPA study performed in 1978. Three commenters said that the system addresses losses from the tank truck only while loading at the terminal and not while in transit or while operating at bulk plants and service stations. Other commenters said that vacuum assist is very expensive and not cost effective.

The vacuum assist system was proposed for new source bulk terminals to control HAP emissions due to vapor leaks from cargo tanks during gasoline loading operations. This system creates a negative pressure in the vapor collection system during loading to ensure that vapors will not be forced out into the air through any leakage points. The proposal rationale was based on the following information. Vacuum assist systems are in use at a few bulk gasoline terminals (in addition to the annual vapor tightness test for truck tanks) in Texas, so it meets the Act requirement to consider the best controlled similar source in establishing the floor level of control for new terminals. Since less than 1 percent of terminals use this vacuum assist system, it is not

CHEVRON U.S.A. PRODUCTS
PANAMA CITY TERMINAL
PANAMA CITY, FLORIDA

FUGITIVE EMISSIONS – COMPONENTS

ID	Description	Component Type	No. of Components	Emission Factor[1] (lb/hr/comp.)	Potential Operation (hrs/yr)	Fugitive VOC Emissions (lb/yr)	Fugitive VOC Emissions (TPY)
F1	Loading Area Fugitives	LL Valves	23	9.48E–05	8,760	19.1	0.01
		HL Valves	10	9.48E–05	8,760	8.3	0.00
		LL Flanges	146	1.72E–05	8,760	22.0	0.01
		HL Flanges	66	1.72E–05	8,760	9.9	0.00
		LL Pumps	0	1.17E–03	8,760	0.0	0.00
		HL Pumps	0	1.17E–03	8,760	0.0	0.00
						LIGHT LIQUIDS =	0.02
						HEAVY LIQUIDS =	0.01
						TOTAL =	0.03
F2	Storage Area Fugitives	LL Valves	131	9.48E–05	8,760	108.8	0.05
		HL Valves	32	9.48E–05	8,760	26.6	0.01
		LL Flanges	278	1.72E–05	8,760	41.9	0.02
		HL Flanges	57	1.72E–05	8,760	8.6	0.00
		LL Pumps	10	1.17E–03	8,760	102.5	0.05
		HL Pumps	3	1.17E–03	8,760	30.7	0.02
						LIGHT LIQUIDS =	0.13
						HEAVY LIQUIDS =	0.03
						TOTAL =	0.16

[1] Source: EPA Accepted Marketing Terminal Emissions Factors (February 1995). Attached.
Note: Light liquid emission factors used as conservative estimates for heavy liquid emission factors.

Table 1

Correlation equations, default zero emission rates, and pegged emission rates for estimating petroleum industry VOC emissions, developed from the combined 1993 refinery, marketing terminal, and oil and gas production operations data[a]

Equipment Type/Service	Default Zero Emission Rate (kg/hr)[b]	Pegged Emission Rates (kg/hr)[c]		Correlation Equation[d]
		10,000 ppmv	100,000 ppmv	
Connector/All	7.5E-06	0.028	0.030	$LEAK = 1.51E\text{-}06 \times (SV)^{0.735}$
Flange/All	3.1E-07	0.085	0.084	$LEAK = 4.44E\text{-}06 \times (SV)^{0.703}$
Open-Ended Line/All	2.0E-06	0.030	0.079	$LEAK = 2.16E\text{-}06 \times (SV)^{0.704}$
Pump/All	2.4E-05	0.074	0.160[e]	$LEAK = 4.82E\text{-}05 \times (SV)^{0.610}$
Valve/All	7.8E-06	0.064	0.140	$LEAK = 2.28E\text{-}06 \times (SV)^{0.746}$
Other[f]/All	4.0E-06	0.073	0.110	$LEAK = 1.32E\text{-}05 \times (SV)^{0.589}$

a To estimate emissions: use the default zero emission rates only when the screening value (adjusted for background) equals 0.0 ppmv; otherwise use the correlation equations. If the monitoring device registers a pegged value, use the appropriate pegged emission rate.

b Default zero emission rates were based on the combined 1993 refinery and marketing terminal data only (default zero data were not collected from oil and gas production facilities).

c The 10,000 ppmv pegged emission rate was based on components screened at greater than 10,000 ppmv; however, in some cases, most of the data could have come from components screened at greater than 100,000 ppmv, thereby resulting in similar pegged emission rates for both the 10,000 and 100,000 pegged levels (e.g., connector and flanges).

d LEAK is the predicted mass emission rate (kg/hr) and SV is the screening value (ppmv) measured by the monitoring device.

e Only 2 data points were available for the pump 100,000 pegged emission rate; therefore the ratio of the pump 10,000 pegged emission rate to the overall 10,000 ppmv pegged emission rate was multiplied by the overall 100,000 ppmv pegged emission rate to approximate the pump 100,000 ppmv pegged emission rate.

f The "other" equipment type includes instruments, loading arms, pressure relief valves, stuffing boxes, vents, compressors, and dump lever arms.

Marketing Terminal Emissions Factors

(based on 17 Marketing Terminals, rec. October 1994, calc. January 1995)

Equipment Type	Equipment Service	Sample Size	Average Emission Factor (kg/hr)
Fitting (connectors and flanges)[a]	Gas	1,894	4.1E-05
	Light Liquid	42,172	7.8E-06
Other (compressors and others)	Gas	155	1.2E-04
	Light Liquid	2,258	1.3E-04
Pump	Light Liquid	777	5.3E-04
Valve	Gas	873	1.3E-05
	Light Liquid	27,989	4.3E-05

[a] "Fittings" were not identified as flanges or connectors; therefore, the fitting emissions were estimated by averaging the estimates from the connector and the flange equations.

CHEVRON BULK TERMINAL
PANAMA CITY, FLORIDA

LOADING RACK VOC LEAKS

Note: Assume 0.8 % of VOC loading emissions leak before reaching the VRU.

Loading Loss Equation (AP-42, Section 4.4, September 1985)

Loading Loss (lb VOC / MGal loaded) = 12.46 S P M / T

where: S = saturation factor = 0.6 for normal submerged loading

P = true vapor pressure (psia)

M = molecular weight of vapor

T = temperature liquid loaded (degrees R)

Loading Loss : Gasoline

S = 0.6
P = 6.0
M = 66
T (deg F) = 68
T (deg R) = 528

Loading Loss = 12.46 * (0.6) * (6.0) * (66) / (528)
= 5.61 lb VOC / Mgal loaded * 141,037 Mgal loaded / yr
= 790794.46 lb VOC / yr * (0.008) lb VOC leaks / lb VOC
= 6326.36 lb VOC / yr
= 3.16 TPY VOC (gasoline)

Loading Loss : Diesel

S = 0.6
P = 0.008
M = 130
T (deg F) = 68
T (deg R) = 528

Loading Loss = 12.46 * (0.6) * (0.008) * (130) / (528)
= 0.015 lb VOC / Mgal loaded * 25,095 Mgal loaded / yr
= 369.54 lb VOC / yr * (0.008) lb VOC leaks / lb VOC
= 2.96 lb VOC / yr
= 0.00 TPY VOC (diesel no. 2)

CHEVRON BULK TERMINAL
PANAMA CITY, FLORIDA

LOADING RACK VOC LEAKS

Note: Assume 0.8 % of VOC loading emissions leak before reaching the VRU.

Loading Loss Equation (AP–42, Section 4.4, September 1985)

Loading Loss (lb VOC / MGal loaded) = 12.46 S P M / T

where: S = saturation factor = 0.6 for normal submerged loading

P = true vapor pressure (psia)

M = molecular weight of vapor

T = temperature liquid loaded (degrees R)

Loading Loss : Aviation Gasoline

S = 0.6
P = 5.0
M = 80
T (deg F) = 68
T (deg R) = 528

Loading Loss = 12.46 * (0.6) * (5.0) * (80) / (528)
= 5.66 lb VOC / Mgal loaded * 5,201 Mgal loaded / yr
= 29456.57 lb VOC / yr * (0.008) lb VOC leaks / lb VOC
= 235.65 lb VOC / yr
= 0.12 TPY VOC (Av Gas)

Loading Loss : Jet Fuel

S = 0.6
P = 0.011
M = 130
T (deg F) = 68
T (deg R) = 528

Loading Loss = 12.46 * (0.6) * (0.011) * (130) / (528)
= 0.02 lb VOC / Mgal loaded * 3,667 Mgal loaded / yr
= 74.25 lb VOC / yr * (0.008) lb VOC leaks / lb VOC
= 0.59 lb VOC / yr
= 0.00 TPY VOC (Jet Fuel)

AREA: NWD_____ Cash Receiving Application CRAF006A

Collection Point Log Remittance Tot: _____$2,800.00

SYS$REMT: 44277___ Type: C_____ Recved Date: 19-JUN-1995 Status: RECEIVED

SYS$RCPT: 31014___ PNR: _____ Check #: 1004646116 Amount: _____2,000.00

SSN/FEI#: _____ Name: THE_CHEVRON_COMPANIES_____

First: _____ Middle: _____ Title:_____ Suf: _____

Address1: P.O._BOX_S_____ Short Comments:

Address2: _____ JR_AC_____

City: CONCORD_____ ST: CA Zip: 94524-_____ Country: _____

P A Y M E N T (S)

SYS$PAYT	Distr CL Area..	Object Code/Description.....:	Payment Amount.....	Reference#	Applic/	Fund	S T A
44976___	NWD___	002222 AIR_CONSTRUCT__	_____$2,000.00	AC03272821	PA_	PFTF__	CO
_____	_____	_____ _____	_____	_____	___	_____	__
_____	_____	_____ _____	_____	_____	___	_____	__
_____	_____	_____ _____	_____	_____	___	_____	__
_____	_____	_____ _____	_____	_____	___	_____	__

COMMIT FREQUENTLY _____$2,000.00 Payment total

Count: *1 <List><Replace>

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

Permit Data Form

DATE: 6-19-95

Project Source Name Chevron AC03-272821

Type Code: AC Subcode 1D Check if: ☐ GP ☐ Exempt

Correct Fee _____

Amount Received 2,000.00

Permit Processor's Initial RP Data Entry Operator's Initial _____

Amount Refund _____

Comments:

25 TPY but less than 50 TPY.

Allen, Andy . Please check for fee.

A. Allen 6/15/95