

POINT		AIRS ID	0050056	STATUS	A	OFFICE	NWDP	HW Br:	PANAMA CITY	
SITE NAME		CHEVRON PRODUCTS COMPANY				COUNTY				BAY
OWNER/COMPANY		CHEVRON PRODUCTS COMPANY								
Project										
AIR Permit #		Project #	011	GRA Reference #	213681					
Permit Office	NWD (DISTRICT)			Agency Action	Pending					
Project Name	CHEVRON USA INC			Desc	ChevronTexaco Panama City Terminal					
Type/Sub/Des	AF	2C	Minor Source - No Sample \$750			Logged	04/12/2005			
Received	04/11/2005		Issued		Expires		OGC	<input type="checkbox"/>		
Fee	750.00		Fee Recd	750.00		Dele		Override	NONE	
Related Party										
Role	APPLICANT			Begin	04/12/2005		End			
Name	FRANKLIN, TERRY			Company	CHEVRON PRODUCTS COMPANY					
Address	525 WEST BEACH DRIVE									
City	PANAMA CITY			State	FL	Zip	32401	Country		
Phone	850-785-7426		Fax							
Processors										
Processor	JACKSON_A			Active	04/12/2005		Inactive			
								Events		



April 6, 2005

Ms. Sandra F. Veazey
Air Program Administrator
Florida Department of Environmental Protection
160 Governmental Center
Pensacola, Florida 32502

Subject: Non-Title V Air Operating Permit Application for the Completion of Tank 10 Construction (Permit No. 0050056-009-AC) for ChevronTexaco's Panama City Terminal

Dear Ms. Veazey:

ChevronTexaco has completed the construction of Tank 10 (Permit No. 0050056-009-AC) on February 13, 2005. Attached you will find 4 copies of the Air Operating Permit Application and a check for the \$750 air operating permit fee.

We appreciate your assistance in the ChevronTexaco Panama City Terminal Air Operating Permit Application process. If you have any questions please contact me at (850) 785-7426.

Sincerely,

A handwritten signature in cursive script that reads "Terry Franklin".

Terry Franklin
ChevronTexaco
Panama City Terminal
Terminal Manager

cc: Louis Milkint, ChevronTexaco

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Application for an Air Operating Permit
for a Synthetic Non-Title V Source

**NORTHWEST FLORIDA
DEP**

ChevronTexaco Panama City Terminal
525 West Beach Drive
Panama City, Florida 32401
Facility ID No. 0050056

Prepared by:
URS Corporation
400 Northpark Town Center
1000 Abernathy Road, NE
Suite 900
Atlanta, Georgia 30328

April 2005

Table of Contents

1.0	Introduction	1-1
2.0	Regulatory Review	2-1

Appendix A: Permit Application Forms and Supplemental Attachments

Attachment A	Area Map Showing Facility Location
Attachment B	Facility Plot Plan
Attachment C	Process Flow Diagram
Attachment D	Emission Calculations – EPA TANKS v4.09b Results

List of Tables

1-1	Emission Estimates	1-3
1-2	Facility Emission Unit Summary Table.....	1-4
2-1	Applicability of Panama City Terminal Tank 10 with Requirement of Rule 40 CFR 60 Subpart Kb.....	2-1

1.0 Introduction

ChevronTexaco Panama City Terminal operates a bulk petroleum products distribution terminal in Panama City, Bay County, Florida. The facility receives a variety of refined bulk petroleum products by barge, stores those products in a variety of fixed and floating roof storage tanks, and distributes these products by tank truck (Standard Industrial Classification [SIC] Code 5171). This facility does not distribute petroleum products via marine vessel.

This application constitutes ChevronTexaco Panama City Terminal's request to obtain an air operating permit for the completion of Tank 10 and removal from service of Tank 01, which was approved by the Air Construction Permit 0050056-009-AC that became effective May 5, 2004. ChevronTexaco did not increase throughputs or permitted VOC emissions through this construction.

The ChevronTexaco facility is currently operating under State of Florida Department of Environmental Protection (FDEP) Permit No. 0050056-010-AF, issued on August 15, 2001 and expires on August 15, 2006. The current operating permit is a Federally Enforceable State Operating Permit (FESOP) to operate the facility under enforceable limitations which prevent the facility from being a major source under the Title V Operating Permit program. Emissions from the post-construction facility are estimated to be less than major source emissions thresholds since ChevronTexaco does not plan to increase permitted emissions with this construction; therefore, the Panama City Terminal will remain a Synthetic Minor source.

This application constitutes ChevronTexaco's request for an operating permit for the modified air emissions unit that was constructed under the Air Construction Permit 0050056-009-AC. This application fulfills the requirements of DEP Rules 62-4.210 F.A.C. and 62-210.300 F.A.C.

Tank 10

Tank 10 has a maximum safe fill capacity of 3,186,960-gallons with an internal floating roof and a geodesic dome. Tank will is currently storing gasoline. Tank 10 is subject to the requirements of 40 CFR 60 Subpart Kb since its design capacity is greater than 40 m³ and since the tank was modified after July 23, 1984. To meet the requirements of Subpart Kb, Tank 10 will have an internal floating roof with stainless steel mechanical primary shoe seal. In addition,

ChevronTexaco has entered into the voluntary agreement with the U.S Environmental Protection Agency (EPA) to provide control for slotted guidepoles. As part of this agreement, ChevronTexaco will install required controls for Tank 10 and other select tanks by April 12, 2010. Based on the construction specifications of Tank 10, it should be grouped with existing emission unit 007. ChevronTexaco completed the construction and began operation of Tank 10 on February 13, 2005.

A review of the compliance status of Tank 10 with applicable provisions of 40 CFR 60 Subpart Kb and any other state regulations is provided in Section 2.0. Summarized below in Table 1-2 is a list of emissions units at the Panama City terminal.

Emission Estimates

Emission estimates for regulated air pollutants for proposed Tank 10 were calculated and compared to the emissions from Tank 01, which was removed from service. These estimates provide the basis for the regulatory conclusions documented in this permit application. The emission estimates presented in this permit application and calculated by EPA TANKS v4.09b are included in Attachment D.

For calendar year 2003 Tank 01 emitted approximately 15,142 pounds (7.57 tpy) of VOC. Based on the same throughputs, the estimated emissions produced from Tank 10 would be 15,990 pounds (8.0 tpy) of VOC. Therefore, the new tank will increase the amount of emissions produced. Based on calendar year 2003 throughputs the emissions would increase approximately 848 pounds (0.42 tpy).

Based on 2003 throughputs, 39.4 tpy of VOC were emitted at the Panama City Terminal. Recalculating the emissions with Tank 10, 39.8 tpy of VOC would be emitted. Therefore, these emission estimates support the conclusion that the construction did not result in an increase of facility-wide actual emissions above the current permit's thresholds (88.3 tpy VOC).

Table 1-1. Emission Estimates

	Tank 01	Tank 10
VOC Emissions Calculated with 2003 Throughputs	15,142 lbs. (7.57 tpy)	15,990 lbs. (8.0 tpy)
VOC Emission Increase with the Installation of Tank 10 and removal of Tank 1	848 lbs. (0.42 tpy)	
Annual VOC Emissions Based on 2003 Throughputs	39.4 tpy	39.8 tpy
Permitted VOC Emission Limit	88.3 tpy	

**Table 1-2. ChevronTexaco Panama City Terminal
Facility Emission Unit Summary Table**

Group ID	Source ID	Tank Description*	Vapor Pressure of Liquid Stored	
			> 1.5 psia	≤ 1.5 psia
VCU	001	Vapor Combustion Unit (Controls emissions from loading rack)	N/A	N/A
Tank 01	002	Internal Floating Roof Storage Tank (1,932,000 gal) – Tank removed from service	N/A	N/A
Tank 67	002	Internal Floating Roof Storage Tank (758,644 gal)	✓	
Tank 78	002	Internal Floating Roof Storage Tank (1,037,802 gal)	✓	
Tank 84	002	External Floating Roof (Domed) (1,114,000)	✓	
Tank 25	003	Fixed Roof Storage Tank (856,457 gal)		✓
Tank 62	003	Fixed Roof Storage Tank (179,780 gal)		✓
Tank 63	003	Fixed Roof Storage Tank (182,513 gal)		✓
Tank 17	004	Fixed Roof Storage Tank (5,858 gal)		✓
Tank 18	004	Fixed Roof Storage Tank (3,684 gal)		✓
Tank 20	004	Fixed Roof Storage Tank (250 gal)	See Note a	See Note a
Tank 21	004	Fixed Roof Storage Tank (5,493 gal)		✓
Tank 22	004	Fixed Roof Storage Tank (7,948 gal)		✓
Tank 23	004	Fixed Roof Storage Tank (3,799 gal) – (Currently out of Service)	N/A	N/A
Tank 96 ^b	004	Fixed Roof Storage Tank (11,929 gal)	✓	
OWS #1	005	Oil/Water Separator	See Note c	See Note c
PT #1 ^d	005	Underground Process Tank for PCW (12,000 gal)	See Note c	See Note c
Tank 2	005	Fire Protection Water	N/A	N/A
Tank Ev.	005	Water Evaporation Tank ^e	N/A	N/A
Fl/V/Pu	006	Flanges/valves/pumps	✓	
Truck	006	Tank Truck Loading	N/A	N/A
Tank 66	007	Internal Floating Roof Storage Tank (703,399 gal)	✓	
Tank 10	007	Internal Floating Roof Storage Tank (3,186,960 gal) – New Tank	✓	
Tank 14	008	Fixed Roof Storage Tank (11,134 gal)		✓

a. This is the Flare Drop-out Tank. This tank is currently dry.

b. Tank 96 contains transmix which may consist of any mixture of products stored at this facility (i.e., gasoline, diesel, water, etc.).

c. These storage and process tanks contain petroleum contaminated water (PCW). PCW contains water and a mixture of any of the products stored at this facility.

d. These units are process tanks (PT). PT #1 collects PCW from the loading rack and storage tank areas before sending the PCW to OWS #1.

e. This tank stores water that is evaporated to the atmosphere.

* All tank capacities listed are safe fill capacity.

2.0 Regulatory Review

This section documents a regulatory review conducted in support of this permit application.

New Source Performance Standards – 40 CFR 60 Subpart Kb

Tank 10 is subject to the requirements of 40 CFR 60 Subpart Kb – Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984. Tank 10 has a capacity greater than 40 cubic meters (10,557 gallons) and stores a VOL with a vapor pressure of approximately 8.6 psia (59.8 kPa) at 70°F. Summarized below in Table 2-1 is a list of Subpart Kb requirements potentially applicable to Tank 10.

Table 2-1. Applicability of Panama City Terminal Tank 10 with Requirements of Rule 40 CFR 60 Subpart Kb

Rule Citation – 40 CFR 60	Requirement	Applicable? (Yes, No, Not Applicable)
112b(a)(1)(i)	The internal floating roof shall rest or float on the liquid surface (but not necessarily in complete contact with it) inside a storage vessel that has a fixed roof.	Yes
	The internal floating roof shall float on the liquid surface at all times, except during initial fill and during those intervals with the tank is completely emptied of subsequently emptied and filled.	Yes
112b(a)(1)(ii)(C)	The internal floating roof shall be equipped with a mechanical shoe seal.	Yes
112b(a)(1)(iii)	Each opening in a noncontact internal floating roof except for automatic bleeder vents (vacuum breaker vents) and the rim space vents is to provide a projection below the liquid surface.	N/A – Roof is in Contact
112b(a)(1)(iv)	Each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains is to be equipped with a cover or lid which is to be maintained in a closed position (i.e., no visible gap) at all times except when in use.	Yes
	The cover or lid shall be equipped with a gasket.	Yes
	Covers on each access hatch and automatic gauge float well shall be bolted except when they are in use.	Yes
112b(a)(1)(v)	Automatic bleeder vents shall be equipped with a gasket and are to be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports.	Yes
112b(a)(1)(vi)	Rim space vents shall be equipped with a gasket and are to be set to open only when the internal floating roof is not floating or at the manufacturer’s recommended setting.	Yes

Table 2-1. Applicability of Panama City Terminal Tank 10 with Requirements of Rule 40 CFR 60 Subpart Kb (continued)

Rule Citation – 40 CFR 60	Requirement	Applicable? (Yes, No, Not Applicable)
112b(a)(1)(vii)	Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90% of the opening.	Yes
112b(a)(1)(viii)	Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or gasketed sliding cover.	Yes
112b(a)(1)(ix)	Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover.	Yes
113b(a)(1)	After installation of the internal floating roof, was the internal floating roof and seals inspected prior to filling of the vessel?	Yes
	If holes, tears, or openings were found during the inspection, were these openings repaired before filling of the vessel?	Yes

Appendix A

Permit Application Forms



Department of Environmental Protection

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Division of Air Resources Management

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APPLICATION FOR AIR PERMIT - NON-TITLE V SOURCE NORTHWEST FLORIDA
See Instructions for Form No. 62-210.900(3) DEP

I. APPLICATION INFORMATION

Identification of Facility

1. Facility Owner/Company Name: Chevron U.S.A. Inc.	
2. Site Name: ChevronTexaco Panama City Terminal	
3. Facility Identification Number: 0050056 [] Unknown	
4. Facility Location: Street Address or Other Locator: 525 West Bay Drive City: Panama City County: Bay Zip Code: 32401	
5. Relocatable Facility? [] Yes [X] No	6. Existing Permitted Facility? [X] Yes [] No

Application Contact

1. Name and Title of Application Contact: Louis Milkint	
2. Application Contact Mailing Address: Organization/Firm: ChevronTexaco Panama City Terminal Street Address: 525 West Bay Drive City: Panama City State: Florida Zip Code: 32401	
3. Application Contact Telephone Numbers: (850) 785-7426 (770-652-7942) Telephone: (850) 785-7426 Fax: (850) 784-1566	

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	
2. Permit Number:	

Purpose of Application

Air Operation Permit Application

This Application for Air Permit is submitted to obtain: (Check one)

- Initial non-Title V air operation permit for one or more existing, but previously unpermitted, emissions units.
- Initial non-Title V air operation permit for one or more newly constructed or modified emissions units.

Current construction permit number: _____

- Non-Title V air operation permit revision to address one or more newly constructed or modified emissions units.

Current construction permit number: 0050056-009-AC

Operation permit number to be revised: 0050056-010-AF

- Initial non-Title V 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):

- Non-Title V 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 number to be revised: _____

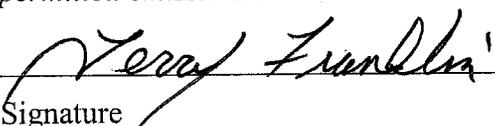
Reason for revision: _____

Air Construction Permit Application

This Application for Air Permit is submitted to obtain: (Check one)

- Air construction permit to construct or modify one or more emissions units.
- Air construction permit to make federally enforceable an assumed restriction on the potential emissions of one or more existing, permitted emissions units.
- Air construction permit for one or more existing, but unpermitted, emissions units.

Owner/Authorized Representative

1. Name and Title of Owner/Authorized Representative: Terry Franklin
2. Owner/Authorized Representative Mailing Address: Organization/Firm: ChevronTexaco Panama City Terminal Street Address: 525 West Beach Drive City: Panama City State: Florida Zip Code: 32401
3. Owner/Authorized Representative Telephone Numbers: AFRA@chevrontexaco.com Telephone: (850) 785-7426 Fax: (850) 784 - 1566
4. Owner/Authorized Representative Statement: <i>I, the undersigned, am the owner or authorized representative* of the facility addressed in this application. 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. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained 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. 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.</i>  Signature _____ Date <u>4/7/05</u>

* Attach letter of authorization if not currently on file.

Professional Engineer Certification

1. Professional Engineer Name: Samir M. Najim Registration Number: 57206
2. Professional Engineer Mailing Address: Organization/Firm: URS Corporation Street Address: 400 Northpark Town Center, 1000 Abernathy Road, NE, Suite 900 City: Atlanta State: GA Zip Code: 30328
3. Professional Engineer Telephone Numbers: Telephone: (678) 808 - 8919 Fax: (678) 808 - 8400

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 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; and

(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.

If the purpose of this application is to obtain an air construction permit for one or more proposed new or modified emissions units (check here [], if so), I further certify that 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.

If the purpose of this application is to obtain an initial air operation permit or operation permit revision for one or more newly constructed or modified emissions units (check here [X], if so), I further 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.

Signature

(seal)

Date

* Attach any exception to certification statement.

Construction/Modification Information

1. Description of Proposed Project or Alterations:

This submittal is for an air operating permit to modify an emission unit for a synthetic non-Title V source. ChevronTexaco Panama City Terminal has removed from service Tank 01 (emission unit 002) and replacing it with Tank 10 (emission unit 007). Tank 10 is an internal floating roof tank with a stainless steel mechanical primary shoe seal. Tank 10 has a capacity of 3,186,960 gallons and will contain gasoline. ChevronTexaco Panama City Terminal does not plan to change the permitted throughput limits or maximum allowable VOC emissions with this modification. Tank 10 is subject to the requirements of 40 CFR 60 Subpart Kb. Based on emission estimates, emissions from the modified facility will remain below major source thresholds (VOC, CO, NOX, and PM < 100 tpy, total HAP < 25 tpy, individual HAP < 10 tpy). Therefore, the Panama City Terminal will retain its status as a permitted Synthetic Minor source.

2. Projected or Actual Date of Commencement of Construction: **June 2004**

3. Projected Date of Completion of Construction: **February 13, 2005**

Application Comment

and
* Need to remove Tank 01 from 20 002
replace with 20 007 @ NSPS

II. FACILITY INFORMATION

A. GENERAL FACILITY INFORMATION

Facility Location and Type

1. Facility UTM Coordinates: Zone: 16 East (km): 628.3 North (km): 3336.8			
2. Facility Latitude/Longitude: Latitude (DD/MM/SS): 30/09/19 Longitude (DD/MM/SS): 85/39/52			
3. Governmental Facility Code: 0	4. Facility Status Code: A	5. Facility Major Group SIC Code: 51	6. Facility SIC(s): 5171
7. Facility Comment (limit to 500 characters): This facility is a petroleum terminal consisting of storage tanks, loading rack, and a vapor combustion unit. The terminal receives petroleum products by barge, stores those products in a variety of fixed and floating roof storage tanks, and distributes these products by tanker trucks. Tanker truck loading emissions are controlled by a vapor combustion unit. This facility does not distribute petroleum products via marine terminal. Facility emissions are limited by limiting the maximum throughput of petroleum liquids through the facility, and this facility is considered a synthetic minor facility as a result. Based on the terminal's current Air Operation Permit (0050056-010-AF) there are eight emission units at this facility. This facility has constructed Tank 10 to replace Tank 01, which is a riveted tank built in 1934.			

Facility Contact

1. Name and Title of Facility Contact: Terry Franklin, Terminal Manager			
2. Facility Contact Mailing Address: Organization/Firm: ChevronTexaco Panama City Terminal Street Address: 525 West Beach Drive City: Panama City State: FL Zip Code: 32401			
3. Facility Contact Telephone Numbers: Telephone: (850) 785-7426 Fax: (850) 784 - 1566			

Facility Regulatory Classifications

Check all that apply:

1. <input type="checkbox"/> Small Business Stationary Source?	<input type="checkbox"/> Unknown
2. <input checked="" type="checkbox"/> Synthetic Non-Title V Source?	
3. <input checked="" type="checkbox"/> Synthetic Minor Source of Pollutants Other than HAPs?	
4. <input checked="" type="checkbox"/> Synthetic Minor Source of HAPs?	
5. <input checked="" type="checkbox"/> One or More Emissions Units Subject to NSPS?	
6. <input type="checkbox"/> One or More Emission Units Subject to NESHAP Recordkeeping or Reporting?	
7. Facility Regulatory Classifications Comment (limit to 200 characters):	
<p>This terminal is currently a permitted synthetic minor source with limits on VOC (< 88.3 tpy). 40 CFR 63 Subpart R does not apply since the facility is not a major source of HAP.</p> <p>The terminal is not requesting an increase from the permitted VOC emission limit of 88.3 tpy or the VOL throughput limit of 325,760,000 gallons/year.</p>	

Rule Applicability Analysis

<p>62-4.050 F.A.C. Procedure to Obtain Permits and Other Authorizations Application 62-210 F.A.C. Stationary Sources - General Requirements 62-210.300 F.A.C. Permits Required 62-296.320 F.A.C. General Pollutant Emission Limiting Standards 62-297.310 F.A.C. General Test Requirements 62-297.330 F.A.C. Applicable Test Requirements 62-297.340 F.A.C. Frequency of Compliance Tests 62-297.570 F.A.C. Test Reports 40 CFR 60 Subpart A, General Provisions (Tank 10) 40 CFR 60 Subpart Kb, Standards of Performance for Volatile Organic Liquid Storage Vessels (Tank 10)</p>

C. FACILITY SUPPLEMENTAL INFORMATION

Supplemental Requirements

1. Area Map Showing Facility Location: <input checked="" type="checkbox"/> Attached, Document ID: Appendix B <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Facility Plot Plan: <input checked="" type="checkbox"/> Attached, Document ID: Appendix C <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
3. Process Flow Diagram(s): <input checked="" type="checkbox"/> Attached, Document ID: Appendix D <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
4. Precautions to Prevent Emissions of Unconfined Particulate Matter: <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested
5. Supplemental Information for Construction Permit Application: <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
6. Supplemental Requirements Comment: Appendix E contains the EPA Tanks 4.09b emission calculations

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section (including subsections A through G 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

Emissions Unit Description and Status

<p>1. Type of Emissions Unit Addressed in This Section: (Check one)</p> <p><input type="checkbox"/> 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).</p> <p><input checked="" type="checkbox"/> This Emissions Unit Information Section addresses, as a single emissions unit, a 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.</p> <p><input type="checkbox"/> 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.</p>		
<p>2. Description of Emissions Unit Addressed in This Section (limit to 60 characters):</p> <p>High Volatility VOL Storage Tanks Subject to NSPS – includes New Tank 10 & Existing Tank 66</p>		
<p>3. Emissions Unit Identification Number: <input type="checkbox"/> No ID</p> <p>ID: 007 <input type="checkbox"/> ID Unknown</p>		
<p>4. Emissions Unit Status Code:</p> <p>A</p>	<p>5. Initial Startup Date:</p> <p>February 13, 2005</p>	<p>6. Emissions Unit Major Group SIC Code:</p> <p>51</p>
<p>7. Emissions Unit Comment: (Limit to 500 Characters)</p> <p>Emission Unit ID: 007 consists of a collectively regulated group of emission units. Tank 10 is a storage tank with a storage capacity > 10,557 gallons storing product with a vapor pressure > 1.5 psia. Tank 10 has an internal floating roof. Tank 10 is subject to the requirements of 40 CFR 60 Subpart Kb.</p> <p>Emission Unit 007 currently consists of Tank 66.</p>		

Emissions Unit Control Equipment

<p>1. Control Equipment/Method Description (limit to 200 characters per device or method):</p> <p>Tank 10 will be a carbon steel tank with an internal floating roof and aluminum geodesic dome roof. Tank 10 will have a stainless steel mechanical primary shoe seal to comply with 40 CFR 60.112b(a)(1)(ii).</p>
<p>2. Control Device or Method Code(s): 099</p>

Emissions Unit Details

1. Package Unit:		
Manufacturer:		Model Number:
2. Generator Nameplate Rating:		MW
3. Incinerator Information:		
Dwell Temperature:		°F
Dwell Time:		seconds
Incinerator Afterburner Temperature:		°F

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate:		mmBtu/hr
2. Maximum Incineration Rate:	lb/hr	tons/day
3. Maximum Process or Throughput Rate:		
4. Maximum Production Rate:		
5. Requested Maximum Operating Schedule:		
hours/day 24		days/week 7
weeks/year 52		hours/year 8,760
6. Operating Capacity/Schedule Comment (limit to 200 characters):		
<p>ChevronTexaco Panama City Terminal will limit hourly throughput to 96,000 gallon total product/hour and annual throughput to 325,760,000 gallon/year for high volatile products and 47,490,000 gallon/year for low volatile products.</p>		

B. EMISSION POINT (STACK/VENT) INFORMATION

Emission Point Description and Type

1. Identification of Point on Plot Plan or Flow Diagram? See Plot Plan	2. Emission Point Type Code: 3	
3. Descriptions of Emission Points Comprising this Emissions Unit for VE Tracking (limit to 100 characters per point): New Tank 10 & Existing Tank 66		
4. ID Numbers or Descriptions of Emission Units with this Emission Point in Common: 007 – Petroleum liquid storage tank storing gasoline, having an internal floating roof, and subject to NSPS requirements.		
5. Discharge Type Code: P	6. Stack Height: <div style="text-align: right;">feet</div>	7. Exit Diameter: <div style="text-align: right;">feet</div>
8. Exit Temperature: 77 °F	9. Actual Volumetric Flow Rate: <div style="text-align: right;">acfm</div>	10. Water Vapor: <div style="text-align: right;">%</div>
11. Maximum Dry Standard Flow Rate: <div style="text-align: right;">dscfm</div>	12. Nonstack Emission Point Height: <div style="text-align: right;">42.5 feet</div>	
13. Emission Point UTM Coordinates: Zone: 16 East (km): 628.3 North (km): 3336.8		
14. Emission Point Comment (limit to 200 characters): Standing and working losses occur through breather vents on the tanks. The Non-stack Emission Point Height is the minimum shell height of the storage tanks in this emission unit.		

C. SEGMENT (PROCESS/FUEL) INFORMATION

Segment Description and Rate: Segment 1 of 2

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Standing Losses from Storage Tanks – Gasoline; Floating Roof Tanks		
2. Source Classification Code (SCC): 40400110		3. SCC Units: Thousand Gallons Stored
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters): ChevronTexaco Panama City Terminal will limit hourly throughput to 96,000 gallon total product/hour and annual throughput to 325,760,000 gallon/year for high volatile products and 47,490,000 gallon/year for low volatile products.		

Segment Description and Rate: Segment 2 of 2

1. Segment Description (Process/Fuel Type) (limit to 500 characters): Working Losses from Storage Tanks – Gasoline; Floating Roof Tanks		
2. Source Classification Code (SCC): 40400116		3. SCC Units: Thousand Gallons Transferred or Handled
4. Maximum Hourly Rate:	5. Maximum Annual Rate:	6. Estimated Annual Activity Factor:
7. Maximum % Sulfur:	8. Maximum % Ash:	9. Million Btu per SCC Unit:
10. Segment Comment (limit to 200 characters): ChevronTexaco Panama City Terminal will limit hourly throughput to 96,000 gallon total product/hour and annual throughput to 325,760,000 gallon/year for high volatile products and 47,490,000 gallon/year for low volatile products.		

D. EMISSIONS UNIT POLLUTANT DETAIL INFORMATION

Potential Emissions

1. Pollutant Emitted: VOC		2. Pollutant Regulatory Code: EL	
3. Primary Control Device Code: 99	4. Secondary Control Device Code:	5. Total Percent Efficiency of Control:	
6. Potential Emissions: 2.28 lb/hour 10.0 tons/year		7. Synthetically Limited? [X]	
8. Emission Factor: Reference: EPA's TANKS v4.09b		9. Emissions Method Code: 3	
10. Calculation of Emissions (limit to 600 characters): VOC emissions from tank standing and working losses were calculated using EPA's TANKS v4.09b. These calculations are attached as Appendix E.			
11. Pollutant Potential Emissions Comment (limit to 200 characters):			

Allowable Emissions Allowable Emissions 1 of 1

1. Basis for Allowable Emissions Code: See Comments Below	2. Future Effective Date of Allowable Emissions:
3. Requested Allowable Emissions and Units:	4. Equivalent Allowable Emissions: lb/hour tons/year
5. Method of Compliance (limit to 60 characters):	
6. Allowable Emissions Comment (Desc. of Operating Method) (limit to 200 characters): The facility-wide emissions limit for VOC is 88.3 tpy.	

G. EMISSIONS UNIT SUPPLEMENTAL INFORMATION

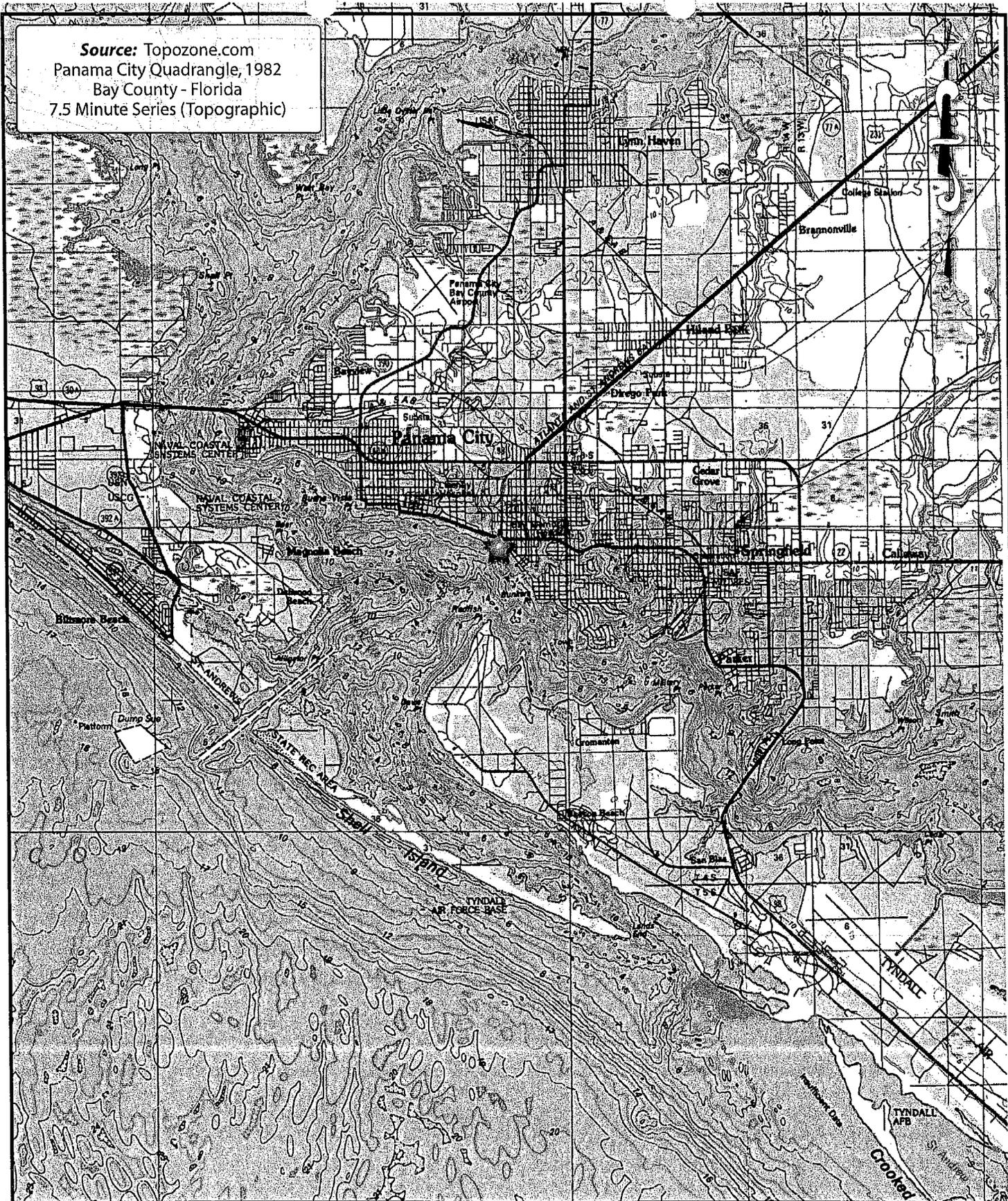
Supplemental Requirements

1. Process Flow Diagram <input checked="" type="checkbox"/> Attached, Document ID: Appendix D <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Fuel Analysis or Specification <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
3. Detailed Description of Control Equipment <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested
4. Description of Stack Sampling Facilities <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
5. Compliance Test Report <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Previously submitted, Date: _____ <input checked="" type="checkbox"/> Not Applicable
6. Procedures for Startup and Shutdown <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested
7. Operation and Maintenance Plan <input type="checkbox"/> Attached, Document ID: _____ <input type="checkbox"/> Not Applicable <input checked="" type="checkbox"/> Waiver Requested
8. Supplemental Information for Construction Permit Application <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
9. Other Information Required by Rule or Statute <input type="checkbox"/> Attached, Document ID: _____ <input checked="" type="checkbox"/> Not Applicable
10. Supplemental Requirements Comment:

Appendix B

Area Map Showing Facility Location

Source: Topozone.com
 Panama City Quadrangle, 1982
 Bay County - Florida
 7.5 Minute Series (Topographic)



CLIENT: ChevronTexaco		TITLE: Site Location Map		
PROJECT: ChevronTexaco Panama City Terminal 525 West Beach Drive, Panama City, Florida				
DATE: 04/04/2005	DESIGNED BY:			PROJ NO.: 46510-039
SCALE: 1:100,000	DRAWN BY: J. Anderson			TASK: 5050
FILE: H:\Projects\Chevron\PanamaCity\Figure 1.a1	CHECKED BY: Sam Najim			FIGURE: 1

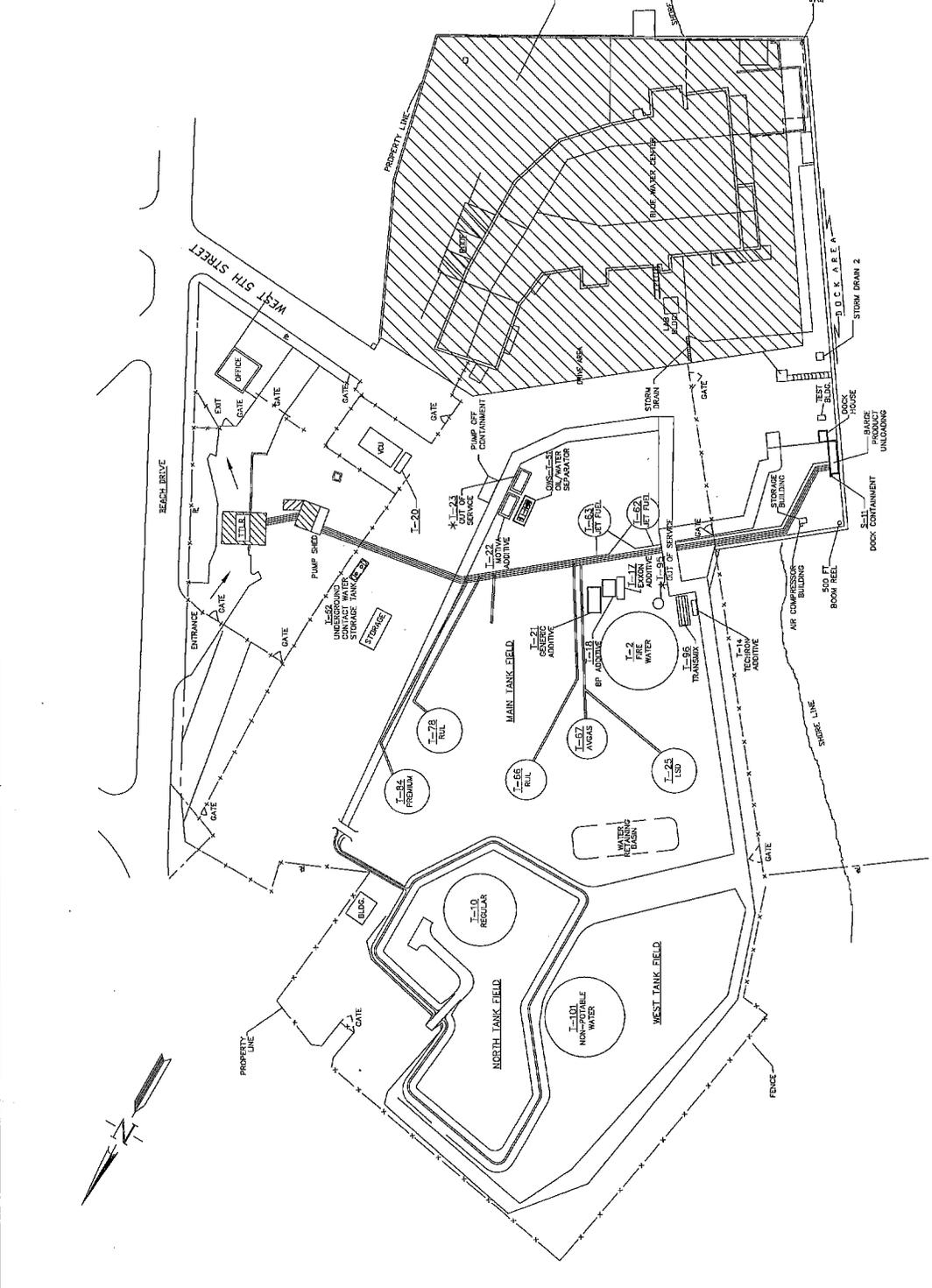
Appendix C

Facility Plot Plan

PANAMA CITY TERMINAL TANKS

TANK NUMBER	TANK SIZE	SAFE FILL CAPACITY (BBL)	PRODUCT
1	95'-6" x 40'-2"	46,000	REGULAR
2	54'-0" x 48'-0"	43,084	FIRE WATER
10	110'-0" x 48'-0"	66,854	REGULAR
25	63'-5" x 39'-7"	20,352	DIESEL NO. 2
51	27'-0" x 8'-0"	238	OWS
52	37'-0" x 8'-0"	288	OWS/PROCESS
62	30'-0" x 40'-0"	4,860	JET FUEL
63	30'-0" x 39'-10"	4,860	JET FUEL
66	54'-8" x 48'-1"	19,466	REGULAR
67	54'-8" x 48'-1"	18,481	AVGAS 100
78	67'-0" x 47'-8"	28,117	RUL / PREMIUM
84	68'-0" x 48'-1"	30,112	PREMIUM
95	12'-0" x 35'-0"	604	OUT OF SERV.
96	51'-11" x 8'-0"	295	TRANSUX

TANK NUMBER	TANK SIZE	MAX. CAPACITY (BARRELS)	PRODUCT
17	8'-0" x 16'-0"	143	EXXON ADDITIVE
18	8'-0" x 10'-8"	99	BP ADDITIVE
21	8'-0" x 15'-0"	125	GENERIC ADDITIVE
22	21'-8" x 8'-0"	194	MOTVA ADDITIVE
23	10'-0" x 8'-0"	93	OUT OF SERVICE
14	12'-0" x 35'-0"	675	CHEVRON ADDITIVE



LEGEND
* DESIGNATES TANK NOT IN SERVICE

FIGURE 1

DRAWING TITLE		FACILITY PLOT PLAN	
DRAWING NO.		B-2	
CONTRACT NO.		804163.02	
SCALE		N.T.S.	
DESIGNED BY	JDS	DATE	10/12/04
CHECKED BY	SMN	DATE	2/28/05
APPROVED BY		DATE	
<p>URS Corporation 400 Northpark Town Center 100 Abnathy Road N.E., Suite 800 Tampa, FL 33604 Tel: 813.888.8800, Fax: 813.888.8400</p>			
PREPARED FOR			

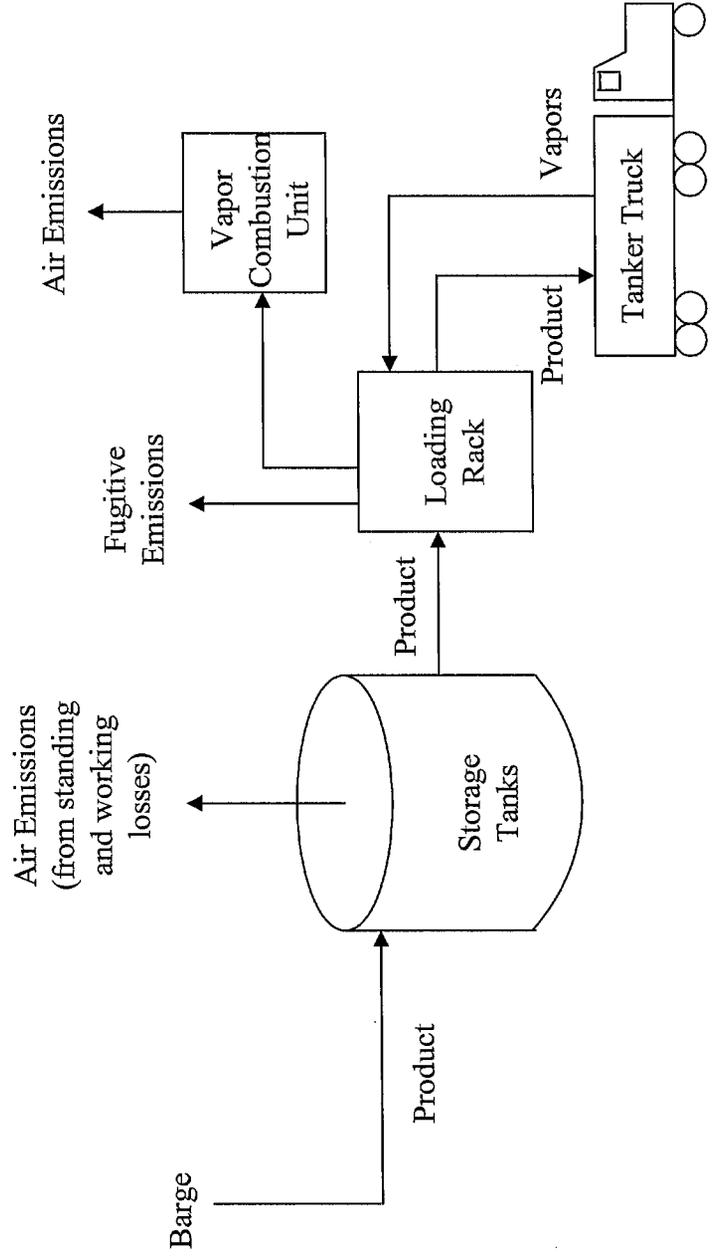
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NORTHWEST FLORIDA
DEP

Appendix D

Process Flow Diagram



Process Flow Diagram for Bulk Terminal Operations

Appendix E

Emission Calculations – EPA TANKS v4.09b Results

TANKS 4.0
Emissions Report - Summary Format
Tank Identification and Physical Characteristics

Identification
 User Identification: PC-01
 City: Panama City
 State: FL
 Company: Chevron Products Company
 Type of Tank: Internal Floating Roof Tank
 Description: *Tank removed from service*

Tank Dimensions
 Diameter (ft): 96.00
 Volume (gallons): 1,932,000.00
 Turnovers: 30.77
 Self Supp. Roof? (y/n): Y
 No. of Columns: 0.00
 Eff. Col. Diam. (ft): 0.00

*tank of service
out of service
(removed)*

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

Rim-Seal System
 Primary Seal: Vapor-mounted
 Secondary Seal: None

Deck Characteristics
 Deck Fitting Category: Detail
 Deck Type: Bolted
 Construction: Sheet
 Deck Seam: Sheet: 5 Ft Wide
 Deck Seam Len. (ft): 1,447.64

Deck Fitting/Status	Quantity
Access Hatch (24-in. Diam./Unbolted Cover, Ungasketed)	1
Automatic Gauge Float Well/Unbolted Cover, Ungasketed	1
Roof Leg or Hanger Well/Adjustable	30
Stub Drain (1-in. Diameter)	74
Vacuum Breaker (10-in. Diam./Weighted Mech. Actuation, Gask.	1
Unslotted Guide-Pole Well/Ungasketed Sliding Cover	1

TANKS 4.0
Emissions Report - Summary Format
Tank Identification and Physical Characteristics

Meteorological Data used in Emissions Calculations: Apalachicola, Florida (Avg Atmospheric Pressure = 14.73 psia)

TANKS 4.0 Emissions Report - Summary Format Liquid Contents of Storage Tank

Mixture/Component	Month	Daily Liquid Surf. Temperatures (deg F)		Liquid Bulk Temp. (deg F)	Vapor Pressures (psia)		Vapor Mol. Weight	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
		Avg.	Min.		Avg.	Min.					
Chevron-Gasoline(RVP 13.0)	Jan	62.25	58.21	68.10	7.2224	N/A	66.0000			100.00	Option 4: RVP=13, ASTM Slope=2.9
Chevron-Gasoline(RVP 13.0)	Feb	63.63	59.26	68.10	7.4090	N/A	66.0000			100.00	Option 4: RVP=13, ASTM Slope=2.9
Chevron-Gasoline(RVP 13.0)	Mar	66.80	62.19	68.10	7.8539	N/A	66.0000			100.00	Option 4: RVP=13, ASTM Slope=2.9
Chevron-Gasoline(RVP 13.0)	Apr	70.27	65.08	68.10	8.3639	N/A	66.0000			100.00	Option 4: RVP=13, ASTM Slope=2.9
Chevron-Gasoline(RVP 9.0)	May	73.50	68.14	68.10	5.9312	N/A	66.0000			100.00	Option 4: RVP=9, ASTM Slope=2.7
Chevron-Gasoline(RVP 9.0)	Jun	75.89	70.77	68.10	6.2034	N/A	66.0000			100.00	Option 4: RVP=9, ASTM Slope=2.7
Chevron-Gasoline(RVP 9.0)	Jul	76.39	71.71	68.10	6.2616	N/A	66.0000			100.00	Option 4: RVP=9, ASTM Slope=2.7
Chevron-Gasoline(RVP 9.0)	Aug	76.17	71.61	68.10	6.2367	N/A	66.0000			100.00	Option 4: RVP=9, ASTM Slope=2.7
Chevron-Gasoline(RVP 13.0)	Sep	74.78	70.36	68.10	9.0660	N/A	66.0000			100.00	Option 4: RVP=13, ASTM Slope=2.9
Chevron-Gasoline(RVP 13.0)	Oct	70.84	66.06	68.10	8.4507	N/A	66.0000			100.00	Option 4: RVP=13, ASTM Slope=2.9
Chevron-Gasoline(RVP 13.0)	Nov	66.75	62.36	68.10	7.8461	N/A	66.0000			100.00	Option 4: RVP=13, ASTM Slope=2.9
Chevron-Gasoline(RVP 13.0)	Dec	63.57	59.53	68.10	7.4008	N/A	66.0000			100.00	Option 4: RVP=13, ASTM Slope=2.9

TANKS 4.0
Emissions Report - Summary Format
Individual Tank Emission Totals

Emissions Report for: January , February , March , April , May , June , July , August , September , October , November , December

Components	Losses(lbs)				Total Emissions
	Rim Seal Loss	Withdrawal Loss	Deck Fitting Loss	Deck Seam Loss	
Chevron-Gasoline(RVP 13.0)	5,446.76	84.02	3,497.38	2,185.21	11,213.36
Chevron-Gasoline(RVP 9.0)	1,903.74	42.01	1,222.39	763.77	3,931.91
Total:	7,350.50	126.03	4,719.77	2,948.98	15,145.28

TANKS 4.0
Emissions Report - Summary Format
Tank Identification and Physical Characteristics

Identification
 User Identification: PC-010
 City: Panama City
 State: FL
 Company: Chevron Products Company
 Type of Tank: Internal Floating Roof Tank
 Description:

New Tank 10
Maximum throughout
PTG - 2U007

Tank Dimensions
 Diameter (ft): 110.00
 Volume (gallons): 3,186,960.00
 Turnovers: 47.90
 Self Supp. Roof? (y/n): Y
 No. of Columns: 0.00
 Eff. Col. Diam. (ft): 0.00

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

Rim-Seal System
 Primary Seal: Mechanical Shoe
 Secondary Seal: None

Deck Characteristics
 Deck Fitting Category: Detail
 Deck Type: Bolted
 Construction: Sheet
 Deck Seam: Sheet: 5 Ft Wide
 Deck Seam Len. (ft): 1,900.66

Deck Fitting/Status	Quantity
Access Hatch (24-in. Diam.)/Unbolted Cover, Ungasketed	1
Automatic Gauge Float Well/Unbolted Cover, Ungasketed	1
Roof Leg or Hanger Well/Adjustable	30
Stub Drain (1-in. Diameter)	74
Vacuum Breaker (10-in. Diam.)/Weighted Mech. Actuation, Gask.	1
Unslotted Guide-Pole Well/Ungasketed Sliding Cover	1

TANKS 4.0
Emissions Report - Summary Format
Tank Identification and Physical Characteristics

Meteorological Data used in Emissions Calculations: Apalachicola, Florida (Avg Atmospheric Pressure = 14.73 psia)

TANKS 4.0 Emissions Report - Summary Format Liquid Contents of Storage Tank

Mixture/Component	Month	Daily Liquid Surf. Temperatures (deg F)		Liquid Bulk Temp. (deg F)	Vapor Pressures (psia)		Vapor Mol. Weight	Liquid Mass Fract.	Vapor Mass Fract.	Mol. Weight	Basis for Vapor Pressure Calculations
		Avg.	Min.		Avg.	Min.					
Chevron-Gasoline(RVP 13.0)	Jan	62.25	58.21	66.10	7.2224	N/A	66.0000	N/A	66.0000	100.00	Option 4: RVP=13, ASTM Slope=2.9
Chevron-Gasoline(RVP 13.0)	Feb	63.63	59.26	66.10	7.4090	N/A	66.0000	N/A	66.0000	100.00	Option 4: RVP=13, ASTM Slope=2.9
Chevron-Gasoline(RVP 13.0)	Mar	66.80	62.19	66.10	7.8539	N/A	66.0000	N/A	66.0000	100.00	Option 4: RVP=13, ASTM Slope=2.9
Chevron-Gasoline(RVP 13.0)	Apr	70.27	65.08	66.10	8.3639	N/A	66.0000	N/A	66.0000	100.00	Option 4: RVP=13, ASTM Slope=2.9
Chevron-Gasoline(RVP 9.0)	May	73.50	68.14	66.10	5.9312	N/A	66.0000	N/A	66.0000	100.00	Option 4: RVP=9, ASTM Slope=2.7
Chevron-Gasoline(RVP 9.0)	Jun	75.89	70.77	66.10	6.2034	N/A	66.0000	N/A	66.0000	100.00	Option 4: RVP=9, ASTM Slope=2.7
Chevron-Gasoline(RVP 9.0)	Jul	76.39	71.71	66.10	6.2616	N/A	66.0000	N/A	66.0000	100.00	Option 4: RVP=9, ASTM Slope=2.7
Chevron-Gasoline(RVP 9.0)	Aug	76.17	71.61	66.10	6.2367	N/A	66.0000	N/A	66.0000	100.00	Option 4: RVP=9, ASTM Slope=2.7
Chevron-Gasoline(RVP 13.0)	Sep	74.78	70.36	66.10	9.0660	N/A	66.0000	N/A	66.0000	100.00	Option 4: RVP=13, ASTM Slope=2.9
Chevron-Gasoline(RVP 13.0)	Oct	70.84	66.06	66.10	8.4507	N/A	66.0000	N/A	66.0000	100.00	Option 4: RVP=13, ASTM Slope=2.9
Chevron-Gasoline(RVP 13.0)	Nov	66.75	62.36	66.10	7.8461	N/A	66.0000	N/A	66.0000	100.00	Option 4: RVP=13, ASTM Slope=2.9
Chevron-Gasoline(RVP 13.0)	Dec	63.57	59.53	66.10	7.4008	N/A	66.0000	N/A	66.0000	100.00	Option 4: RVP=13, ASTM Slope=2.9

TANKS 4.0
Emissions Report - Summary Format
Individual Tank Emission Totals

Annual Emissions Report

Components	Losses(lbs)				Total Emissions
	Rim Seal Loss	Withdrawal Loss	Deck Fitting Loss	Deck Seam Loss	
Chevron-Gasoline(RVP 13.0)	5,402.73	186.96	3,497.38	2,869.03	11,956.09
Chevron-Gasoline(RVP 9.0)	1,888.35	93.48	1,222.39	1,002.78	4,207.00
Total:	7,291.08	280.43	4,719.77	3,871.81	16,163.09