Permitting Application - Permit Detail and Log Permit

ARMS Facility

POINT | AIRS ID 0050056 | STATUS A | OFFICE NWDP | NW Br: PANAMA CITY

SITE NAME CHEVRON PANAMA CITY TERMINAL | COUNTY BAY

OWNER/COMPANY CHEVRON U.S.A. INC.

Project

AIR Permit # - - | Project # 012 | CRA Reference # 254068

Permit Office NWD (DISTRICT) | Agency Action Pending

Project Name CHEVRON USA INC | Desc Chevron Panama City Terminal

Type/Sub/Des AF / 00 Multiple Sources | Logged 05/26/2006

Received 05/23/2006 | Issued | Expires | OGC

Fee 6000.00 | Fee Recd 6000.00 | Dele | Override MULTIPLE SOURCE

Related Party

Role APPLICANT | Begin 05/26/2006 | End

Name FRANKLIN, TERRY | Company CHEVRON PANAMA CITY TERMINAL

Address 525 WEST BEACH DRIVE

City PANAMA CITY | State FL | Zip 32401 - | Country

Phone 850-785-7426 | Fax

Processors

Processor JACKSON_A | Y | Active 05/26/2006 | Inactive | Events

Chevron

May 22, 2006

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

Subject: Non-Title V Air Permit Renewal Application for the Chevron Panama City Terminal (Permit No. 0050056-011-AF)

Dear Ms. Veazey:

Attached are four (4) copies of the Non-Title V Air Permit Renewal Application for the Chevron Panama City, Florida Terminal and a check for the $6,000.00 air permit fee.

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

Sincerely,

Terry Franklin

Terry Franklin
Chevron
Panama City Terminal
Terminal Manager

cc: Louis Milkint, Chevron

RECEIVED
MAY 23 2006
NORTHWEST FLORIDA
DEP

APPLICATION FOR NON-TITLE V AIR PERMIT RENEWAL CHEVRON PRODUCTS COMPANY PANAMA CITY TERMINAL

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

May 2006

RECEIVED
MAY 23 2006
NORTHWEST FLORIDA
DEP

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INTRODUCTION
NON-TITLE V PERMIT RENEWAL FOR
CHEVRON U.S.A, INC.
PANAMA CITY, FLORIDA TERMINAL

Chevron U.S.A., Inc. (Chevron) 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 Chevron's request to renew its existing air operating permit (Permit No. 0050056-002-AF), issued on August 15, 2001 and expires August 15, 2006. Per Florida Administrative Code (FAC) 62-4.090(1), applications for renewal of an air operating permit shall be made sixty days prior to the expiration of the air operating permit (June 16, 2006). Chevron requests the following minor administrative changes to the Chevron Panama City Terminal permit:

- Tank 14 was incorrectly placed in Emission Unit 008 (Additive Tanks Subject to NSPS, 40 CFR 60, Subpart Kb). Tank 14, has a capacity of 12,000 gallons and does not store any volatile liquids with vapor pressure above 1.5 psi, and therefore is not subject to NSPS, 40 CFR 60, Subpart Kb. Tank 14 has been placed in Emission Unit 004, which contains the tanks that store additives.
- Tank 20 was incorrectly placed in Emission Unit 004. Tank 20 is a process tank (Flare drop-out tank) and should be place with other process tanks in Emission Unit 005.
- Tank 95, which has been out-of-service since 1998, needs to be added to Emission Unit 004.
- Tank 66 was changed from storing gasoline to the storage of aviation gasoline in November 2005.
- Tank 67 is being changed from storing aviation gasoline to the storage of jet fuel in June 2006. Tank 67 is currently being modified to remove the internal floating roof to become a fixed roof tank storing a low volatile liquid with vapor pressure below 1.5 psi. This change in service will require Tank 67 to be moved from Emission Unit 002 to Emission Unit 003 (Low Volatility VOC (Diesel and Jet Fuel).

Below is the Emissions Unit Summary Table:

Table 1. Chevron Panama City Terminal
Facility Emission Unit Summary Table

Group ID	Source ID	Tank Description (Safe Fill Capacity)	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 78	002	Internal Floating Roof Storage Tank (1,037,820 gal)	✓	
Tank 84	002	External Floating Roof (Domed) (1,116,276 gal)	✓	
Tank 25	003	Fixed Roof Storage Tank (856,464 gal)		✓
Tank 62	003	Fixed Roof Storage Tank (179,760 gal)		✓
Tank 63	003	Fixed Roof Storage Tank (182,532 gal)		✓
Tank 67	003	Fixed Roof Storage Tank (758,646 gal)		✓
Tank 14	004	Fixed Roof Storage Tank (11,130 gal)		✓
Tank 17	004	Fixed Roof Storage Tank (5,838 gal)		✓
Tank 18	004	Fixed Roof Storage Tank (3,654 gal)		✓
Tank 21	004	Fixed Roof Storage Tank (5,334 gal)		✓
Tank 22	004	Fixed Roof Storage Tank (7,938 gal)		✓
Tank 23	004	Fixed Roof Storage Tank (3,570 gal)		✓
Tank 95[b]	004	Fixed Roof Storage Tank (25,368 gal)	Out-of-Service	Out-of-Service
Tank 96[b]	004	Fixed Roof Storage Tank (11,550 gal)	✓	
Tank 20	005	Fixed Roof Storage Tank (546 gal)	See Note a	See Note a
OWS #1	005	Oil/Water Separator (10,000 gal)	See Note c	See Note c
PT #1[d]	005	Underground Process Tank for PCW (12,012 gal)	See Note c	See Note c
PT #2[d]	005	Underground Process Tank for PCW (126 gal)	See Note c	See Note c
Tank 2	005	Fire Protection Water (1,809,528 gal)	N/A	N/A
Tank 101	005	Water Evaporation Tank[e] (3,409,140 gal)	N/A	N/A
Fl/V/Pu	006	Flanges/valves/pumps	✓	
Truck	006	Tank Truck Loading	N/A	N/A
Tank 10	007	Internal Floating Roof Storage Tank (2,807,868 gal)	✓	
Tank 66	007	Internal Floating Roof Storage Tank (703,416 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. PT #2 collects PCW from the Dock Drain before sending the PCW to OWS #1.
e. This tank stores "clean" water that is evaporated to the atmosphere.

Department of Environmental Protection

Division of Air Resources Management

APPLICATION FOR NON-TITLE V AIR PERMIT RENEWAL

See Instructions for Form No. 62-210.900(4)

I. APPLICATION INFORMATION

Identification of Facility

1. Facility Owner/Company Name: Chevron U.S.A., Inc.	
2. Site Name: Chevron Panama City Terminal	
3. Facility Identification Number: 0050056	4. Facility Status Code: A

Application Contact

1. Name and Title of Application Contact: Louis Milkint
2. Application Contact Mailing Address: Organization/Firm: Chevron Street Address: 25928 Terrawood Loop City: Land O' Lakes State: FL Zip Code: 34639
3. Application Contact Telephone Numbers: Telephone: (813) 973-7691 Fax: (813) 973-7607

Application Processing Information (DEP Use)

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

Owner/Authorized Representative

1. Name and Title of Owner/Authorized Representative:
   Terry Franklin, Terminal Manager

2. Owner/Authorized Representative Mailing Address:

   Organization/Firm: Chevron Panama City Terminal
   Street Address: 525 West Beach Drive
   City: Panama City State: FL Zip Code: 32401

3. Owner/Authorized Representative Telephone Numbers:
   Telephone: (850) 872-8802 Ext 29 Fax: (850) 784 - 1566

4. Owner/Authorized Representative Statement:

   I, the undersigned, am the owner or authorized representative of the facility addressed in this Application for Air Permit. 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. 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.*

   Terry Franklin 5/22/06
   Signature Date

* Attach letter of authorization if not currently on file.

Scope of Application

Emissions Unit ID	Description of Emissions Unit	Permit Type	Processing Fee
001	Loading Rack and Vapor Combustion Unit	AF2A	$1,500
002	High Volatility VOL (gasoline and aviation gasoline) Storage Tanks not Subject to NSPS	AF2C	$750
003	Low Volatility VOC (diesel and Jet A fuel) Storage Tanks	AF2C	$750
004	Additive, Transmix, and Flare Drop Out Storage Tanks	AF2C	$750
005	Process Storage Tanks	AF2C	$750
006	Fugitive Emissions	AF2C	$750
007	High Volatility VOL Storage Tanks Subject to NSPS	AF2C	$750

Application Processing Fee

Check one: [X] Attached - Amount: $ 6,000 [ ] Not Applicable

Application Comment

II. FACILITY INFORMATION

Facility Contact

1. Name and Title of Facility Contact: Terry Franklin, Terminal Manager
2. Facility Contact Mailing Address: Organization/Firm: Chevron Panama City Terminal Street Address: 525 West Beach Drive City: Panama City State: FL Zip Code: 32401
3. Facility Contact Telephone Numbers: Telephone: (850) 872-8802 Ext 29 Fax: (850) 784 - 1566

Facility Supplemental Requirements

1. Area Map Showing Facility Location: [X] Attached, Document ID: Attachment A__ [ ] Not Applicable [ ] Waiver Requested
2. Facility Plot Plan: [X] Attached, Document ID: Attachment B__ [ ] Not Applicable [ ] Waiver Requested
3. Process Flow Diagram(s): [X] Attached, Document ID: Attachment C__ [ ] Not Applicable [ ] Waiver Requested
4. Precautions to Prevent Emissions of Unconfined Particulate Matter: [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested

Facility Comment

Emissions Unit ID 001

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section must be completed for each emissions unit addressed in this Application for Non-Title V Air Permit Renewal. If submitting the form in hard copy, indicate, in the space provided at the top of each page, the Emissions Unit ID of the emissions unit addressed on the page, as given in the unit's most current air operation permit.

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Tank Truck Loading Rack (with 3 loading lanes) and an associated Vapor Combustion Unit	
2. Emissions Unit Status Code: A	3. Long-Term Reserve Shutdown Date: N/A
4. Control Equipment Method/Description (limit to 200 characters per device or method): VOC emissions from this emissions unit group are controlled by a flare (vapor combustion unit – VCU).	

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate: See Comments on Next Page		mmBtu/hr
2. Maximum Incineration Rate: N/A	lb/hr	tons/day
3. Maximum Process or Throughput Rate: 96,000 gallons total product/hr; 325,760,000 gallons/yr of high volatile product (gasoline and aviation gas); 57,490,000 gallons/yr of low volatile product (diesel and Jet A).		
4. Maximum Production Rate: N/A		
5. Requested Maximum Operating Schedule:		
	hours/day 24	days/week 7
	weeks/year 52	hours/year 8,760

Emissions Unit ID 001

Emissions Unit Supplemental Requirements

1. Fuel Analysis or Specification [ ] Attached, Document ID:_____ [ ] Not Applicable [X] Waiver Requested
2. Compliance Test Report [X] Attached, Document ID: Attachment D [ ] Not Applicable [ ] Previously submitted, Date:_____
3. Procedures for Startup and Shutdown [ ] Attached, Document ID:_____ [ ] Not Applicable [X] Waiver Requested
4. Operation and Maintenance Plan [ ] Attached, Document ID:_____ [ ] Not Applicable [X] Waiver Requested
5. Other Information Required by Rule or Statute [ ] Attached, Document ID:_____ [X] Not Applicable

Emissions Unit Comment

Emissions Unit ID 002

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section must be completed for each emissions unit addressed in this Application for Non-Title V Air Permit Renewal. If submitting the form in hard copy, indicate, in the space provided at the top of each page, the Emissions Unit ID of the emissions unit addressed on the page, as given in the unit's most current air operation permit.

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): High Volatility Storage Tanks not Subject to NSPS. Emission Unit 002 includes a collectively regulated group of storage tanks (Tank Nos. 78 and 84). These tanks have a storage capacity > 42,000 gallons and store products with a vapor pressure > 1.5 psia.	
2. Emissions Unit Status Code: A	3. Long-Term Reserve Shutdown Date: N/A
4. Control Equipment Method/Description (limit to 200 characters per device or method): Tank 78 has internal floating roofs. Tank 84 has an external floating roof with a geodesic dome cover.	

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate: N/A		mmBtu/hr
2. Maximum Incineration Rate: N/A	lb/hr	tons/day
3. Maximum Process or Throughput Rate: N/A		
4. Maximum Production Rate: N/A		
5. Requested Maximum Operating Schedule:		
	hours/day 24	days/week 7
	weeks/year 52	hours/year 8,760

Emissions Unit ID 002

Emissions Unit Supplemental Requirements

1. Fuel Analysis or Specification [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested
2. Compliance Test Report [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Previously submitted, Date:_____
3. Procedures for Startup and Shutdown [ ] Attached, Document ID:_____ [ ] Not Applicable [X] Waiver Requested
4. Operation and Maintenance Plan [ ] Attached, Document ID:_____ [ ] Not Applicable [X] Waiver Requested
5. Other Information Required by Rule or Statute [ ] Attached, Document ID:_____ [X] Not Applicable

Emissions Unit Comment

Emissions Unit ID 003

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section must be completed for each emissions unit addressed in this Application for Non-Title V Air Permit Renewal. If submitting the form in hard copy, indicate, in the space provided at the top of each page, the Emissions Unit ID of the emissions unit addressed on the page, as given in the unit's most current air operation permit.

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Low Volatility Tanks not Subject to NSPS. Emission Unit 003 consists of a collectively regulated group of storage tanks (Tank Nos. 25, 62, 63 and 67). These tanks are fixed roof storage tanks storing a product with a true vapor pressure < 1.5 psia.	
2. Emissions Unit Status Code: A	3. Long-Term Reserve Shutdown Date: N/A
4. Control Equipment Method/Description (limit to 200 characters per device or method): N/A	

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate: N/A		mmBtu/hr
2. Maximum Incineration Rate: N/A	lb/hr	tons/day
3. Maximum Process or Throughput Rate: N/A		
4. Maximum Production Rate: N/A		
5. Requested Maximum Operating Schedule:		
	hours/day 24	days/week 7
	weeks/year 52	hours/year 8,760

Emissions Unit ID 003

Emissions Unit Supplemental Requirements

1. Fuel Analysis or Specification [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested
2. Compliance Test Report [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Previously submitted, Date:_____
3. Procedures for Startup and Shutdown [ ] Attached, Document ID:_____ [ ] Not Applicable [X] Waiver Requested
4. Operation and Maintenance Plan [ ] Attached, Document ID:_____ [ ] Not Applicable [X] Waiver Requested
5. Other Information Required by Rule or Statute [ ] Attached, Document ID:_____ [X] Not Applicable

Emissions Unit Comment

Emissions Unit ID 004

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section must be completed for each emissions unit addressed in this Application for Non-Title V Air Permit Renewal. If submitting the form in hard copy, indicate, in the space provided at the top of each page, the Emissions Unit ID of the emissions unit addressed on the page, as given in the unit's most current air operation permit.

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Additive and Transmix Storage Tanks. Emission Unit 004 consists of a collectively regulated group of storage tanks (Tanks 14, 17, 18, 21, 22, 23, 95 and 96). Tanks 14, 17, 18, 21, 22, and 23 are fixed roof tanks storing product with a true vapor pressure < 1.5 psia. Tank 95 is a vertical fixed roof storage tank which is currently out of service. Tank 96 is a fixed roof storage tank which stores transmix (transmix consists of a mixture of any product stored at the terminal).	
2. Emissions Unit Status Code: A	3. Long-Term Reserve Shutdown Date: N/A
4. Control Equipment Method/Description (limit to 200 characters per device or method): N/A	

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate: N/A		mmBtu/hr
2. Maximum Incineration Rate: N/A	lb/hr	tons/day
3. Maximum Process or Throughput Rate: N/A		
4. Maximum Production Rate: N/A		
5. Requested Maximum Operating Schedule:		
	hours/day 24	days/week 7
	weeks/year 52	hours/year 8,760

Emissions Unit ID 004

Emissions Unit Supplemental Requirements

1. Fuel Analysis or Specification [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested	
2. Compliance Test Report [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Previously submitted, Date:_____	
3. Procedures for Startup and Shutdown [ ] Attached, Document ID:_____ [ ] Not Applicable [X] Waiver Requested	
4. Operation and Maintenance Plan [ ] Attached, Document ID:_____ [ ] Not Applicable [X] Waiver Requested	
5. Other Information Required by Rule or Statute [ ] Attached, Document ID:_____ [X] Not Applicable	

Emissions Unit Comment

Emissions Unit ID 005

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section must be completed for each emissions unit addressed in this Application for Non-Title V Air Permit Renewal. If submitting the form in hard copy, indicate, in the space provided at the top of each page, the Emissions Unit ID of the emissions unit addressed on the page, as given in the unit's most current air operation permit.

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Process Storage Tanks. Emission Unit 005 consists of a collectively regulated group of emissions units (OWS 1, PT1, PT2, Tank 2, Tank 20, and Tank 101). OWS 1 is an aboveground oil/water separator. PT1 and PT2 are underground collection tanks for petroleum contaminated wastewater. Tank 2 stores water for fire protection purposes. Tank 20 is a fixed roof tank and is the flare drop-out tank which is currently dry. Tank 101 is the evaporation tank and contains no petroleum product.	
2. Emissions Unit Status Code: A	3. Long-Term Reserve Shutdown Date: N/A
4. Control Equipment Method/Description (limit to 200 characters per device or method): N/A	

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate: N/A		mmBtu/hr
2. Maximum Incineration Rate: N/A	lb/hr	tons/day
3. Maximum Process or Throughput Rate: N/A		
4. Maximum Production Rate: N/A		
5. Requested Maximum Operating Schedule:		
	hours/day 24	days/week 7
	weeks/year 52	hours/year 8,760

Emissions Unit ID 005

Emissions Unit Supplemental Requirements

1. Fuel Analysis or Specification [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested	
2. Compliance Test Report [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Previously submitted, Date:_____	
3. Procedures for Startup and Shutdown [ ] Attached, Document ID:_____ [ ] Not Applicable [X] Waiver Requested	
4. Operation and Maintenance Plan [ ] Attached, Document ID:_____ [ ] Not Applicable [X] Waiver Requested	
5. Other Information Required by Rule or Statute [ ] Attached, Document ID:_____ [X] Not Applicable	

Emissions Unit Comment

Emissions Unit ID 006

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section must be completed for each emissions unit addressed in this Application for Non-Title V Air Permit Renewal. If submitting the form in hard copy, indicate, in the space provided at the top of each page, the Emissions Unit ID of the emissions unit addressed on the page, as given in the unit's most current air operation permit.

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Fugitive Emissions. This group includes fugitive emissions from piping components.	
2. Emissions Unit Status Code: A	3. Long-Term Reserve Shutdown Date: N/A
4. Control Equipment Method/Description (limit to 200 characters per device or method): N/A	

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate: N/A		mmBtu/hr
2. Maximum Incineration Rate: N/A	lb/hr	tons/day
3. Maximum Process or Throughput Rate: N/A		
4. Maximum Production Rate: N/A		
5. Requested Maximum Operating Schedule:		
	hours/day 24	days/week 7
	weeks/year 52	hours/year 8,760

Emissions Unit ID 006

Emissions Unit Supplemental Requirements

1. Fuel Analysis or Specification [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested
2. Compliance Test Report [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Previously submitted, Date:_____
3. Procedures for Startup and Shutdown [ ] Attached, Document ID:_____ [ ] Not Applicable [X] Waiver Requested
4. Operation and Maintenance Plan [ ] Attached, Document ID:_____ [ ] Not Applicable [X] Waiver Requested
5. Other Information Required by Rule or Statute [ ] Attached, Document ID:_____ [X] Not Applicable

Emissions Unit Comment

Emissions Unit ID 007

III. EMISSIONS UNIT INFORMATION

A separate Emissions Unit Information Section must be completed for each emissions unit addressed in this Application for Non-Title V Air Permit Renewal. If submitting the form in hard copy, indicate, in the space provided at the top of each page, the Emissions Unit ID of the emissions unit addressed on the page, as given in the unit's most current air operation permit.

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): High Volatility Storage Tanks Subject to NSPS. This emissions unit group includes Tank 66 which was modified in 1997 and Tank 10 which was installed in 2005, these tanks are subject to the requirements of 40 CFR 60 Subpart Kb. These tanks are internal floating roof tanks storing a petroleum product with a true vapor pressure > 1.5 psia.	
2. Emissions Unit Status Code: A	3. Long-Term Reserve Shutdown Date: N/A
4. Control Equipment Method/Description (limit to 200 characters per device or method): Tanks 10 and 66 have internal floating roofs.	

Emissions Unit Operating Capacity and Schedule

1. Maximum Heat Input Rate: N/A		mmBtu/hr
2. Maximum Incineration Rate: N/A	lb/hr	tons/day
3. Maximum Process or Throughput Rate: N/A		
4. Maximum Production Rate: N/A		
5. Requested Maximum Operating Schedule:		
	hours/day 24	days/week 7
	weeks/year 52	hours/year 8,760

Emissions Unit ID 007

Emissions Unit Supplemental Requirements

1. Fuel Analysis or Specification [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Waiver Requested	
2. Compliance Test Report [ ] Attached, Document ID:_____ [X] Not Applicable [ ] Previously submitted, Date:_____	
3. Procedures for Startup and Shutdown [ ] Attached, Document ID:_____ [ ] Not Applicable [X] Waiver Requested	
4. Operation and Maintenance Plan [ ] Attached, Document ID:_____ [ ] Not Applicable [X] Waiver Requested	
5. Other Information Required by Rule or Statute [ ] Attached, Document ID:_____ [X] Not Applicable	

Emissions Unit Comment

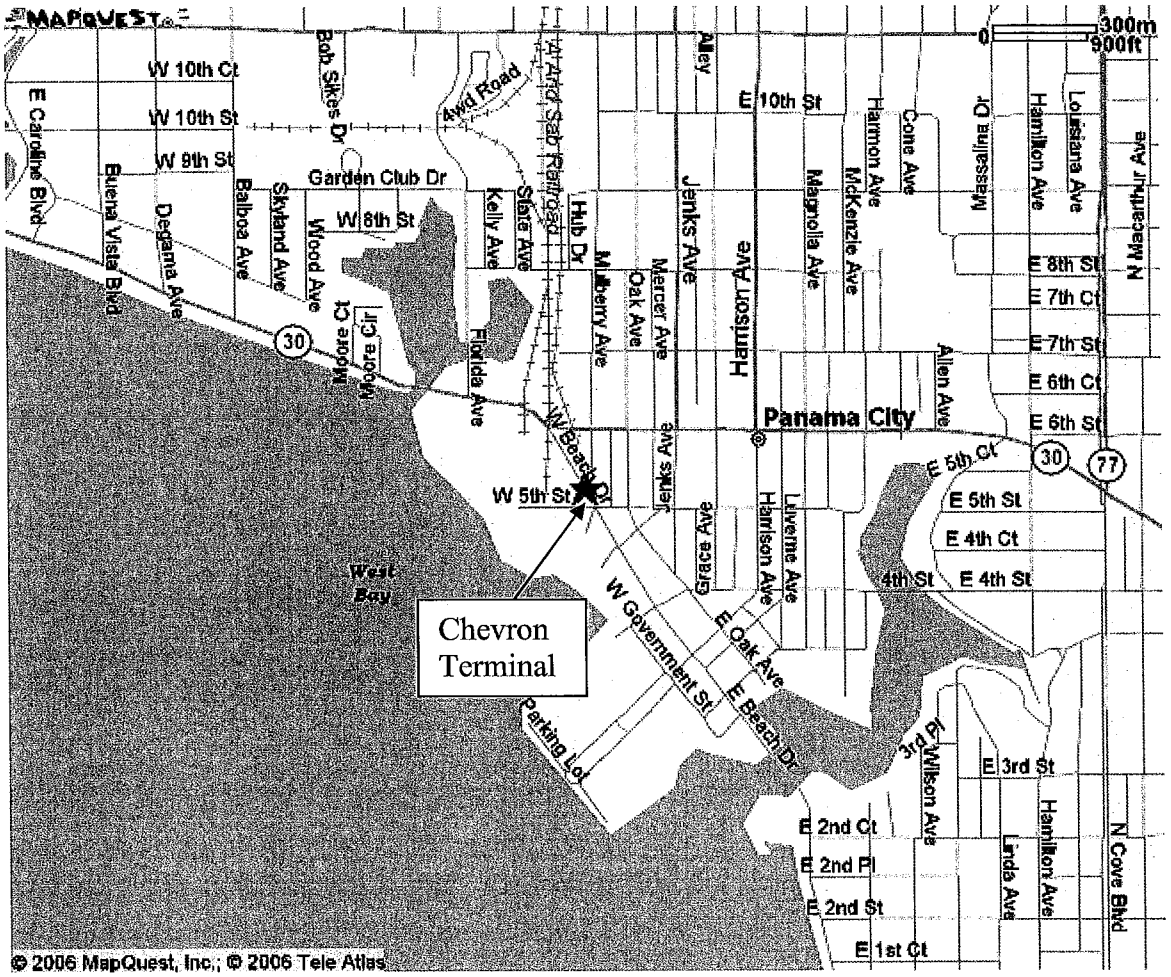
Appendix A

Area Map Showing Facility Location

Chevron Products Company
Panama City, Florida Terminal

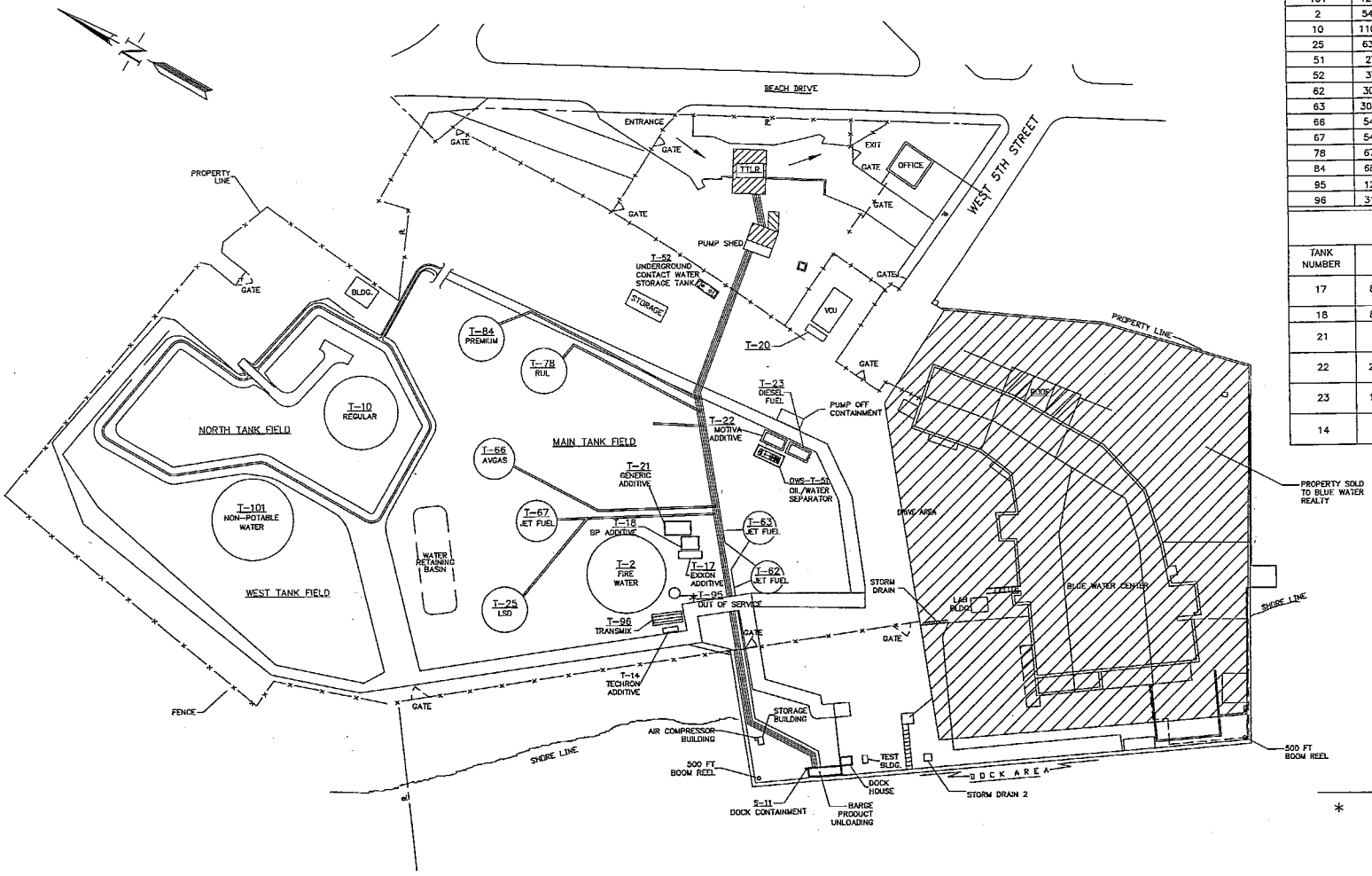
525 West Beach Drive
Panama City, Florida 32401

Site Location Map



Appendix B

Facility Plot Plan



PANAMA CITY TERMINAL TANKS

TANK NUMBER	TANK SIZE	SAFE FILL CAPACITY (BBLS)	PRODUCT
101	120' x 40'-7.75"	81,170	WATER
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"	20,392	DIESEL NO. 2
51	27'-0" x 8'-0"	238	OWS
52	37'-0" x 8'-0"	286	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	AVGAS
67	54'-8" x 48'-1"	18,481	JET FUEL
78	67'-0" x 47'-6"	28,117	RUL / PREMIUM
84	68'-0" x 46'-1"	30,112	PREMIUM
95	12'-0" x 35'-0"	604	OUT OF SERV.
96	31'-11" x 8'-0"	285	TRANSMIX

ADDITIVE TANKS

TANK NUMBER	TANK SIZE	MAX. CAPACITY (BARRELS)	PRODUCT
17	8'-0" x 16'-0"	143	EXXON ADDITIVE
18	8'-0" x 10'-6"	98	BP ADDITIVE
21	8'-0"x15'-0"	125	GENERIC ADDITIVE
22	21'-6" x 8'-0"	194	MOTIVA ADDITIVE
23	10'-0" x 8'-0"	93	DIESEL LUBRICITY
14	12'-0" x 35'-0"	675	CHEVRON ADDITIVE

LEGEND

* DESIGNATES TANK NOT IN SERVICE

FIGURE 1

PREPARED FOR

Chevron

URS Corporation
400 Northpark Town Center
1000 Abernathy Road N.E., Suite 900
Atlanta, GA 30328
Tel: (678) 808-8800, Fax: (678) 808-8400

SCALE	N.T.S.
DRAWN BY	JDS
DATE	10/12/04
CHECKED BY	SMN
DATE	4/26/06
APPROVED BY	---
DATE	---

DRAWING TITLE

FACILITY PLOT PLAN

PANAMA CITY TERMINAL
525 WEST BEACH DRIVE
PANAMA CITY, FLORIDA

CAD DRAWING FILE:

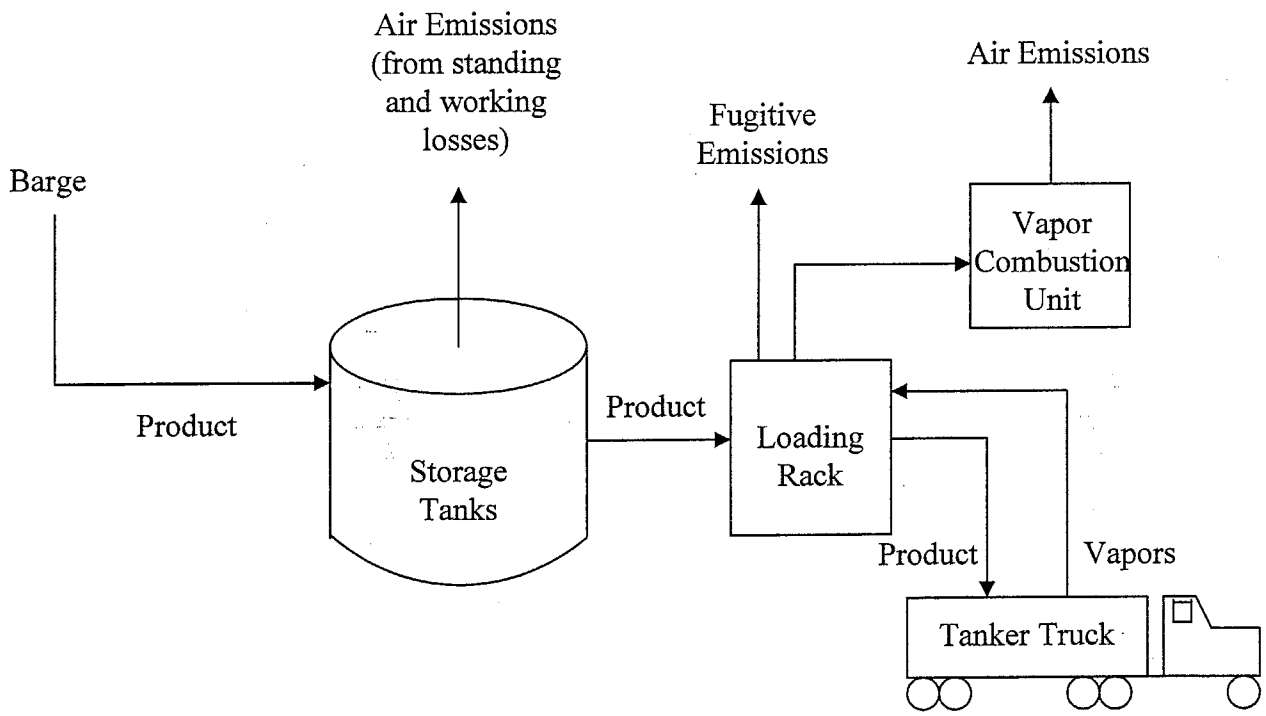
CONTRACT NO. 804163.02

DRAWING NO. B-2

REV.

Appendix C

Process Flow Diagram



Chevron Panama City Terminal General Process Flow Diagram

Appendix D

Compliance Test Report

VOLATILE ORGANIC COMPOUND EMISSION TEST REPORT

OF THE

CHEVRON PRODUCTS COMPANY

PANAMA CITY, FLORIDA TRANSPORT LOADING TERMINAL

ON THE

JOHN ZINK VAPOR DESTRUCTION UNIT

ON

APRIL 15, 2005

REPORTED BY: THE JORDAN SERVICE COMPANY
2820 SOUTH ENGLISH STATION ROAD
LOUISVILLE, KENTUCKY 40299

TEST PERSONNEL: GLEN TOLOCZKO
WILL KEELING

APPROVAL:

GLEN D. TOLOCZKO
ENVIRONMENTAL TESTING MANAGER
TECHNICAL SERVICE GROUP

MAY-16-2005 03:15PM FROM-Chevron PCFL 8507841566 T-988 P.002 F-374

EXECUTIVE SUMMARY

The Chevron Products Company terminal in Panama City, Florida is a bulk transport loading facility for Gasoline and Light Fuel Oil Products.

The products are bottom loaded into transport tankers and the displaced hydrocarbon vapors are balanced to a JOHN ZINK VAPOR DESTRUCTION UNIT (VDU).

This facility was source tested for air emissions on April 15, 2005. The purpose of this test was to confirm proper operation of the VRU and verify compliance with applicable VOC (Volatile Organic Compound) air emission requirements.

The Gasoline Terminal Air Emission Source Test was conducted in accordance with procedures established, and the test methods referenced, in the Code of Federal Regulations; CFR 40, Part 60, Subpart XX. Specific procedures used include:

EPA TEST METHOD	MEASUREMENT
Method 2A	Inlet Vapor Volume
Method 2B	Exhaust Vapor Volume
Method 25A	Outlet VOC Concentration
Method 25B	Inlet VOC Concentrations
Method 21	Potential Leak Sources
Method 22	Visible Emissions
40 CFR 60 Subsection 60.503 (d)	Transport Loading Maximum Backpressure

The results of this air emission test demonstrate that this source is in compliance with all applicable Federal and Local requirements. A summary of the data is presented below:

TEST PARAMETER	MEASURED VALUE	REQUIRED VALUE
VOC Emissions	9.76 mg/liter	35 mg/liter

Method 22 Visible Emissions testing was performed during the VOC Testing. Two hour of VE was performed with a total of 0 seconds of smoke detected or 0.00% time basis. The data is shown in Appendix C of this report.

DATA SUMMARY

TERMINAL DESCRIPTION		Chevron Products Company Panama City, Florida
VAPOR CONTROL UNIT TYPE		John Zink VDU
TEST DATE		April 15, 2005
TEST PERIOD		07:15 – 13:15
AVERAGE AMBIENT TEMPERATURE		65.4° F
AVERAGE OUTLET CONCENTRATIONS:	VOC CO CO_2	44.1 ppm volume 51.36 ppm volume 0.53 % by volume
AVERAGE INLET CONCENTRATION (as Propane)		17.89 % by volume
TOTAL PETROLEUM LOADED		229,601 gallons
ACCOUNTABLE PETROLEUM LOADED		142,875 gallons
AVERAGE HYDROCARBON EMISSIONS (Calculated with Total Loaded Product)		6.07 mg/liter 1.94 lbs./hr
AVERAGE HYDROCARBON EMISSIONS (Calculated with Accountable Product Loaded)		9.76 mg/liter 1.94 lbs./hr
MAXIMUM CAPACITY		44,050 gal/ 2nd hr 6.90 mg/liter
NUMBER OF TRUCKS LOADED		30
NUMBER OF LEAKING TRUCKS		4
VOLUME OF LEAKING TRUCKS		27,200 gallons
MAXIMUM PRESSURE AT TRUCK VAPOR HOSE		20.0" H_20
STRIP CHART RECORDER SPEED		123 mm/hour
UNIT EFFICIENCY		97.22 %

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In reference to the Chevron Products Company Air Emission Source Test conducted at the Panama City, Florida Transport Loading Facility on April 15, 2005 and described in the following report;

I certify under penalty of law that the information provided in this document is true, accurate and complete. I am aware that there are significant civil and criminal penalties, including fines or imprisonment or both, for submitting false, inaccurate or incomplete information.

by: _____

Glen Toloczko
Technical Service Group
John Jordan Service Co. Inc.

EXAMPLE CALCULATIONS

A. Terminology:

T_a = Ambient Temperature (° Celsius).

P_b = Barometric Pressure (mm Hg).

L = Total accountable volume of liquid dispensed from all controlled racks during the test period (Liters).

CO_e = Carbon Monoxide Concentration in Exhaust Stack (ppm volume).

CO_{2e} = Carbon Dioxide Concentration in Exhaust Stack (ppm volume).

HC_e = VOC Concentration in Exhaust Stack (ppm volume).

HC_i = VOC Concentration in Combustor Inlet (Volume %)

V_i = Inlet Volume of air-hydrocarbon mixture to the combustor (m^3).

V_e = Exhaust volume from the combustor (m^3).

V_{es} = Standardized exhaust volume from the combustor (m3, 20° C, 760mmHg).

T_i = Temperature at process unit inlet metering position (° Celsius).

P_i = Pressure at processing unit inlet metering position (mm Hg.).

M_i = Mass of VOC input to combustor during test period (milligrams).

Me = Mass of organic carbon exhausted during test period (milligrams).

K1 = Calibration Gas Factor (3 for C^3H^8).

K2 = 1.83×10^6 mg/m^3 = Standard Density of Propane (C^3H^8).

H = Total Test Time (Hour).

454,000 = Conversion Factor mg/lb.

3.785 = Conversion Factor Liter/Gallon.

264.2 = Conversion Factor Gallon / cubic meter

B. Standardize Flow Volume:

$$V_{is} = V_i \times \frac{(0.3858^\circ\ K/mm\ Hg) \times (P_i + P_b)}{(T_i + 273.2^\circ\ K)} \qquad (meter^3)$$

where $0.3858 = (273.2 + 20)^\circ\ K/760\ mm\ Hg$

C. Calculate Mass of Inlet Hydrocarbon:

$$M_i = (K2) \times (V_{is}) \times (HC_i) \times (10^{-2}) \qquad (mg)$$

where 10^{-2} = the required conversion from vol % to vol fraction

D. Calculate Combustor Exhaust Flow Volume: (Carbon Balance Equation)

$$V_{es} = \frac{V_{is} \times (K1) \times (HC_i) \times (10^4)}{[(K1) \times (HC_e)] + CO_{2e} + CO_e} \qquad (m^3)$$

where 10^4 = conversion factor from vol % to ppm volume
note: ambient CO_2 concentrations are automatically compensated for by analyzer.

E. Calculate Mass of Exhaust Hydrocarbon:

$$M_e = (10^{-6}) \times (K2) \times (V_{es}) \times (HC_e) \qquad (mg)$$

where 10^{-6} = the conversion factor from ppm-volume to vol fraction

F. Calculate Hydrocarbon Emission Rate:

$$M_e/L = \frac{\text{Sum of all 5 second } M_e \text{ calculations}}{\text{Liters of Accountable Gasoline Loaded}} \qquad (mg/liter)$$

$$Me/H = (Me/L)\frac{mg}{liter} \times \frac{1\ lb}{454{,}000\ mg} \times \frac{3.785\ liter}{1\ gal} \times \frac{\text{Accountable gals}}{\text{Total Test Time}} \qquad (lb/hr)$$

G. Efficiency Calculation:

$$\text{Efficiency} = [1-(\text{outlet mg} / \text{inlet mg})] \times 100\% \qquad (\%)$$

H. Example calculation for a typical five minute interval:

This is an example calculation only and not an interval from this test. This is intended to clarify the computer method for arriving at the VOC inlet mass data for each test interval.

Barometric Pressure	= 759.36 mm Hg
Flow Pressure	= 14.355 mm Hg
Ambient Temperature	= 15.1° C
Inlet Temperature	= 11.2° C
VOC Inlet Concentration	= 13.9 %
VOC Outlet Concentration	= 19.9 ppm
Volume in	= 18.0 m^3
Milligrams in	= 4,597,633 mg
Volume Out Exhaust Stack	= 2,630.7 m^3
Milligrams Emitted	= 95,975.32 mg
Carbon Monoxide out	= 8.2 ppm
Carbon Dioxide out	= 2,828.0 ppm

Please Note: All data fields are rounded to two places following the decimal point for display purposes only.

1.) Therefore for this calculation:

	17.95	lowest possible value before rounding for display
VIN =	**18.0**	**value displayed (After rounding)**
	18.05	highest possible value before rounding for display
	13.85	lowest possible value before rounding for display
HCI =	**13.9**	**value displayed (After rounding)**
	13.95	highest possible value before rounding for display

2.) Using Formula C above:

$(1.83x10^6)x(0.1385)x(17.95)$ =4,549,517.3mg

VOC inlet mass (MIN) = **$(1.83x10^6)x(0.1390)x(18.0)$ =4,578,660.0 mg**

*4,597,633.0 mg

$(1.83x10^6)x(0.1395)x(18.05)$ =4,607,894.2 mg

* NOTE: The value printed for MIN by the computer for this interval is 4,597,633. While this is not the result produced from entering the printed values for HCI and VIN into formula C, it is the result produced by the calculation carried out on the stored computer data, **PRIOR TO ROUNDING FOR DISPLAY.**

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The computer calculates the results for Combustor Exhaust Volume (VOUT) and (MOUT) with the same data reduction method seen above with (VIN) and (MIN).

3.) Using Formula D Above:

$$\text{Combustor Exhaust Volume} = (18) \times \frac{(3) \times (13.9) \times (10{,}000)}{[(3) \times (19.9)] + (2{,}828) + (8.2)}$$

$$= 2{,}592 \text{ m}^3$$

4.) Using Formula E Above:

$$\text{HC Mass Emitted} = (0.000001) \times (1.83 \times 106) \times (2{,}630.7) \times (19.9)$$

$$= 95{,}802.2 \text{ mg}$$

I.) Example Test Summary Calculations:

This data was obtained during a previous test and is used here for an example only.

Average barometric pressure was 759.61 mm Hg
Average flow pressure was 6.68 mm Hg
Average ambient temperature was 13.23° Celsius
Average inlet temperature was 12.49° Celsius
Average inlet concentration was 12.90 %
Average outlet concentration was 24.4 ppm
Average CO out concentration was 14.3 ppm
Average CO_2 out concentration was 2205.3 ppm
Total volume in was 448.76 meters^3
Total volume emitted was 196706.88 meters^3
Total milligrams in was 1.13182E+08 mg
Total milligrams emitted was 9170099 mg
Accountable gallons loaded was 92950 gallons
Total gallons loaded was 104702 gallons
Accountable liters loaded was 351853.8 liters
Total liters loaded was 396340 liters
Accountable milligrams emitted per liter loaded was 26.06 mg/liter
Total milligrams emitted per liter loaded was 23.14 mg/liter
Unit Efficiency was 91.90 %

1.) Using Formula F Above:

$$\text{Mass emission rate} = \frac{9{,}170{,}099}{351{,}853.8}$$

$$= 26.06 \text{ mg/liter}$$

$$\frac{26.06 \text{ mg}}{\text{liters}} = \frac{26.06 \text{ mg}}{\text{liters}} \times \frac{1 \text{ lb}}{454{,}000 \text{ mg}} \times \frac{3.785 \text{ liters}}{1 \text{ gallon}} \times \frac{92{,}950 \text{ gallons}}{6 \text{ hours}}$$

$$= 3.37 \text{ lb/hr}$$

2.) Using Formula G Above:

$$\text{Unit Efficiency} = \left(1 - \frac{9{,}170{,}099}{1.13182\times10^8}\right) \times 100\ \%$$

$$= 91.90\ \%$$