

DATE	FROM	TO	REVISION
9-10-09	TC03	TC01	Approved
10-27-09	TC03		Deem Complete
10-27-09	TC03	TC03	Recommend → EPA
2-25-10	TC03	TC03	Recommend TV Rev. - END 45-d EPA/30-d PM.
* 3-10-10	CT	TC	Send Revised Permit to Facility

\* Approved in NSR on 4/21/11 HX

CHEVRON PRODUCTS COMPANY  
 17881 GOTHARD ST  
 HUNTINGTON BEACH  
~~CRUDE OIL STORAGE TANK~~  
 TV Revision

APPL # 501915  
 I.D. # 800302

Date: 08/26/09

CHEVRON PRODUCTS COMPANY  
~~CRUDE OIL STORAGE TANK~~ TV Revision ID 800302  
 AP 501915



South Coast Air Quality Management District

Form 400-A

Application For Permit To Construct and Permit To Operate

Mail Application To: P.O. Box 4944 Diamond Bar, CA 91765

Tel: (909) 396-3385 www.aqmd.gov

Section A: Operator Information

1. Business Name of Operator To Appear On The Permit: Chevron U.S.A. Inc.
2. Valid AQMD Facility ID (Available on Permit or Invoice issued by AQMD): 800302
3. Owner's Business Name (only if different from Business Name of Operator):

Section B: Equipment Location

4. Equipment Location Address: For equipment operated at various locations in AQMD's jurisdiction, provide address of initial site
17881 Gothard Street
Street Address
Huntington Beach CA, 92647 - 6252
City State Zip Code
County: Los Angeles Orange San Bernardino Riverside
Contact Name: Kenneth Yee
Contact Title: HES Specialist Phone: (714) 843-0866
Fax: (714) 843-5839 E-Mail: KenYee@Chevron.com

Section C: Permit Mailing Address

5. Permit and Correspondence Information:
[X] Check here if same as equipment location address
Street Address
City State Zip Code
Contact Name:
Contact Title: Phone:
Fax: E-Mail:

Section D: Application Type The facility is in RECLAIM Title V RECLAIM & Title V Program (please check if applicable)

6. Reason for Submitting Application (Select only ONE):
New Construction (Permit to Construct)
Equipment Operating Without A Permit or Expired Permit\*
Administrative Change
Equipment On-Site But Not Constructed or Operational
Title V Application (Initial, Revisions, Modifications, etc.)
Compliance Plan
Facility Permit Amendment
Registration/Certification
Streamlined Standard Permit
Permitted Equipment Altered/ Modified Without Permit Approval\*
Proposed Alteration/Modification to Permitted Equipment
Change of Condition For Permit To Operate
Change of Condition For Permit To Construct
Change of Location—Moving to New Site
Existing Or Previous Permit/Application Number: (if you checked any of the items in this column, you MUST provide a existing Permit/ Application Number)

7. Estimated Start Date of Operation/Construction (MM/DD/YYYY): 05/28/2009
8. Description of Equipment: Crude oil storage tank with internal floating roof
9. Is this equipment portable AND will it be operated at different locations within AQMD's jurisdiction? No Yes
10. For identical equipment, how many additional applications are being submitted with this application? (Form 400-A required for each) 0
11. Are you a Small Business as per AQMD's Rule 102 definition? (10 employees or less and total gross receipts are \$500,000 or less, or a not-for-profit training center?) No Yes
12. Has a Notice of Violation (NOV) or a Notice To Comply (NC) been issued for this equipment? No Yes If yes, provide NOV/NC #:

Section E: Facility Business Information

13. What type of business is being conducted at this equipment location? Bulk Gasoline/Diesel Storage, Truck Loading
14. What is your businesses primary NAICS Code (North American Industrial Classification System)? 424710
15. Are there other facilities in the SCAQMD jurisdiction operated by the same operator? No Yes
16. Are there any schools (K-12) within a 1000-ft. radius of the equipment physical location? No Yes

Section F: Authorization/Signature I hereby certify that all information contained herein and information submitted with this application is true and correct.

17. Signature of Responsible Official: [Signature]
18. Title: Terminal Manager
19. Print Name: Tam H. Bui
20. Date: 08/14/2009
Check List
[X] Form(s) signed and dated by authorized official
[X] Supplemental Equipment Form (400-E-XX or 400-E-GEN)
[X] CEQA Form (400-CEQA) attached
[X] Payment for permit processing fee attached
Your application will be rejected if any of the above items are missing.

Table with columns: AQMD USE ONLY, APPLICATION/TRACKING # (501915), TYPE (B C D), EQUIPMENT CATEGORY CODE, FEE SCHEDULE (\$), VALIDATION (826090A), ENG. A R, DATE, CLASS (I III IV), ASSIGNMENT (Unit A Engineer), CHECK/MONEY ORDER # (25183982), AMOUNT (84380), Tracking #

Handwritten: CT 82912

S.C.A.O.M.E.  
ENGINEERING

'09 AUG 27 A11 :48

1111





South Coast Air Quality Management District

FORM 400-E-18

STORAGE TANK

Mail Application To: SCAQMD P.O. Box 4944 Diamond Bar, CA 91765

Tel: (909) 396-3385

www.aqmd.gov

This form must be accompanied by a completed Application for a Permit to Construct/Operate -Form 400A, Form CEQA, Plot Plan and Stack Form

Permit to be issued to (Business name of operator to appear on permit): Chevron USA, Inc.
Address where the equipment will be operated (for equipment which will be moved to various location in AQMD's jurisdiction, please list the initial location site): 17881 Gothard St; Huntington Beach, CA 92647-6252
Tank Type (Select ONE): [ ] External Floating Roof Tank (EFRT) [X] Internal Floating Roof Tank (IFRT) [ ] Horizontal Tank (HT) [ ] Vertical Fixed Roof Tank (VFRT) [ ] Domed External Roof Tank (DEFRT)
Identification: Tank Identification Number: Tank # 477 Tank Contents/Product (include MSDS): Crude Oil

SECTION A: TANK INFORMATION

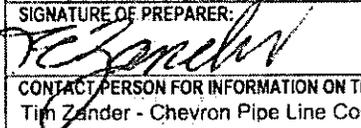
Physical Characteristics: Tank Characteristics, Roof Characteristics (Floating Roof Tank), Deck Characteristics (Floating Roof Tank), Tank Construction and Rim-Seal System (Floating Roof Tank), Breather Vent Setting. Includes fields for Shell Diameter, Length, Height, Turns, Condition, and various material and construction options.

Handwritten note: 3 1/2" RISE PER 12" CON-CENTER Height 61.25 ABOVE SHELL

\*Section C of the application MUST be completed.



Roof/Deck Fitting Details (Cont.)	4. Gauge Hatch/Sample Well (8" diameter well)	5. Ladder Well (36" diameter)	6. Rim Vent (6" diameter)
	1 Weighted Mechanical Actuation, Gasketed	1 Sliding Cover, Gasketed	0 Weighted Mechanical Actuation, Gasketed
	0 Weighted Mechanical Actuation, Ungasketed	0 Sliding Cover, Ungasketed	0 Weighted Mechanical Actuation, Ungasketed
	7. Roof Drain (3" diameter)	8. Roof Leg (3" diameter leg)	9. Roof Leg or Hang Well
	0 Open	0 Adjustable, Pontoon Area, Ungasketed	0 Adjustable
	0 90% Close	0 Adjustable, Center Area, Ungasketed	0 Fixed
		0 Adjustable, Double-Deck Roofs	10. Sample Pipe (24" diameter)
		0 Fixed	0 Slotted Pipe - Sliding Cover, Gasketed
		0 Adjustable, Pontoon Area, Gasketed	0 Slotted Pipe - Sliding Cover, Ungasketed
		3 Adjustable, Pontoon Area, Sock	0 Slit Fabric Seal, 10% Open
	0 Adjustable, Center Area, Gasketed		
	12 Adjustable, Center Area, Sock		
	11. Guided Pole/Sample Well	12. 0 Stub Drain (1" diameter)	
	0 Ungasketed, Sliding Cover, Without Float	13. Unslotted Guide - Pole Well	
	0 Ungasketed Sliding Cover, With Float	0 Ungasketed, Sliding Cover	
	0 Gasketed Sliding Cover, Without Float	0 Gasketed Sliding Cover	
	2 Gasketed Sliding Cover, With Float	0 Ungasketed Sliding Cover with Sleeve	
	0 Gasketed Sliding Cover, With Pole Sleeve	0 Gasketed Sliding Cover with Sleeve	
	0 Gasketed Sliding Cover, With Pole Wiper	0 Gasketed Sliding Cover with Wiper	
	0 Gasketed Sliding Cover, With Float, Wiper	14. Vacuum Breaker (10" diameter well)	
	0 Gasketed Sliding Cover, With Float, Sleeve, Wiper	1 Weighted Mechanical Actuation, Gasketed	
	0 Gasketed Sliding Cover, With Pole Sleeve, Wiper	0 Weighted Mechanical Actuation, Ungasketed	

<b>SECTION D: APPLICANT CERTIFICATION STATEMENT</b>			
I hereby certify that all information contained herein and information submitted with this application is true and correct.			
SIGNATURE OF PREPARER: 	TITLE OF PREPARER: Environmental Specil	PREPARER'S TELEPHONE NUMBER: (661) 654-7162	PREPARER'S E-MAIL ADDRESS: timzander@chevron.com
CONTACT PERSON FOR INFORMATION ON THIS EQUIPMENT: Tim Zander - Chevron Pipe Line Comp E-MAIL ADDRESS: timzander@chevron.com	CONTACT PERSON'S TELEPHONE NUMBER: (661) 654-7162 FAX NUMBER: (661) 654-7307	DATE SIGNED: 03/06/2009	

**CONFIDENTIAL INFORMATION**

Under the California Public Records Act, all information in your permit application will be considered a matter of public record and may be disclosed to a third party. If you wish to keep certain items as confidential, please complete the following steps:

(a) Make a copy of any page containing confidential information blanked out. Label this page "public copy."  
 (b) Label the original page "confidential." Circle all confidential items on the page.  
 (c) Prepare a written justification for the confidentiality of each confidential item. Append this to the confidential copy.



South Coast Air Quality Management District

**Form 400-CEQA**

**California Environmental Quality Act (CEQA) Applicability**

Mail Application To:  
P.O. Box 4944  
Diamond Bar, CA 91765

Tel: (909) 396-3385

[www.aqmd.gov](http://www.aqmd.gov)

The SCAQMD is required by state law, the California Environmental Quality Act (CEQA), to review discretionary permit project applications for potential air quality and other environmental impacts. This form is a screening tool to assist the SCAQMD in clarifying whether or not the project<sup>1</sup> has the potential to generate significant adverse environmental impacts that might require preparation of a CEQA document [CEQA Guidelines §15060(a)].<sup>2</sup> Refer to the attached instructions for guidance in completing this form.<sup>3</sup> For each Form 400-A application, also complete and submit one Form 400-CEQA. If submitting multiple Form 400-A applications for the same project at the same time, only one 400-CEQA form is necessary for the entire project. If you need assistance completing this form, contact Lori Inga at (909) 396-3109.

FACILITY INFORMATION	
Business Name of Operator to Appear on the Permit: Chevron U.S.A. Inc.	Facility ID (6-Digit): 800302
Project Description:  Construction of a NEW Crude Oil Storage Tank #477 with Internal Floating Roof to REPLACE existing Crude oil tank #475 with Internal Floating Roof. Tank #475 will be cleaned prior to being taken down and removed from the site.	

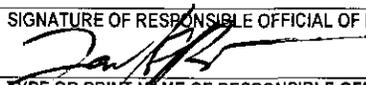
REVIEW FOR EXEMPTION FROM FURTHER CEQA ACTION			
Check "Yes" or "No" as applicable			
	Yes	No	Is this application for:
A.	<input type="radio"/>	<input checked="" type="radio"/>	A CEQA and/or NEPA document previously or currently prepared that specifically evaluates this project? If yes, a permit cannot be issued until a Final CEQA document and Notice of Determination is submitted.
B.	<input type="radio"/>	<input checked="" type="radio"/>	A request for a change of permittee only (without equipment modifications)?
C.	<input type="radio"/>	<input checked="" type="radio"/>	Equipment certification or equipment registration (qualifies for Rule 222)?
D.	<input checked="" type="radio"/>	<input type="radio"/>	A functionally identical permit unit replacement with no increase in rating or emissions?
E.	<input type="radio"/>	<input checked="" type="radio"/>	A change of daily VOC permit limit to a monthly VOC permit limit?
F.	<input type="radio"/>	<input checked="" type="radio"/>	Equipment damaged as a result of a disaster during state of emergency?
G.	<input type="radio"/>	<input checked="" type="radio"/>	A Title V (i.e., Regulation XXX) permit renewal (without equipment modifications)?
H.	<input type="radio"/>	<input checked="" type="radio"/>	A Title V administrative permit revision?
I.	<input type="radio"/>	<input checked="" type="radio"/>	The conversion of an existing permit into an initial Title V permit?
If "Yes" is checked for any question above, your application does not require additional evaluation for CEQA applicability. Skip to page 2, "SIGNATURES" and sign and date this form.			

REVIEW OF IMPACTS WHICH MAY TRIGGER CEQA			
Complete Sections I-VI by checking "Yes" or "No" as applicable. To avoid delays in processing your application(s), explain all "Yes" responses on a separate sheet and attach it to this form.			
	Yes	No	Section I - General
1.	<input type="radio"/>	<input type="radio"/>	Has this project generated any known public controversy regarding potential adverse impacts that may be generated by the project? <small>Controversy may be construed as concerns raised by local groups at public meetings; adverse media attention such as negative articles in newspapers or other periodical publications, local news programs, environmental justice issues, etc.</small>
2.	<input type="radio"/>	<input type="radio"/>	Is this project part of a larger project?
Section II - Air Quality			
3.	<input type="radio"/>	<input type="radio"/>	Will there be any demolition, excavating, and/or grading construction activities that encompass an area exceeding 20,000 square feet?
4.	<input type="radio"/>	<input type="radio"/>	Does this project include the open outdoor storage of dry bulk solid materials that could generate dust? If Yes, include a plot plan with the application package.

<sup>1</sup> A "project" means the whole of an action which has a potential for resulting in physical change to the environment, including construction activities, clearing or grading of land, improvements to existing structures, and activities or equipment involving the issuance of a permit. For example, a project might include installation of a new, or modification of an existing internal combustion engine, dry-cleaning facility, boiler, gas turbine, spray coating booth, solvent cleaning tank, etc.

<sup>2</sup> To download the CEQA guidelines, visit [http://ceres.ca.gov/env\\_law/state.html](http://ceres.ca.gov/env_law/state.html).

<sup>3</sup> To download this form and the instructions, visit <http://www.aqmd.gov/ceqa> or <http://www.aqmd.gov/permit>

	Yes	No	
5.	<input type="radio"/>	<input type="radio"/>	<p>Would this project result in noticeable off-site odors from activities that may not be subject to SCAQMD permit requirements?</p> <p>For example, compost materials or other types of greenwaste (i.e., lawn clippings, tree trimmings, etc.) have the potential to generate odor complaints subject to Rule 402 – Nuisance.</p>
6.	<input type="radio"/>	<input type="radio"/>	Does this project cause an increase of emissions from marine vessels, trains and/or airplanes?
7.	<input type="radio"/>	<input type="radio"/>	Will the proposed project increase the QUANTITY of hazardous materials stored aboveground onsite or transported by mobile vehicle to or from the site by greater than or equal to the amounts associated with each compound on the attached Table 1? <sup>4</sup>
<b>Section III – Water Resources</b>			
8.	<input type="radio"/>	<input type="radio"/>	<p>Will the project increase demand for water at the facility by more than 5,000,000 gallons per day?</p> <p>The following examples identify some, but not all, types of projects that may result in a "yes" answer to this question: 1) projects that generate steam; 2) projects that use water as part of the air pollution control equipment; 3) projects that require water as part of the production process; 4) projects that require new or expansion of existing sewage treatment facilities; 5) projects where water demand exceeds the capacity of the local water purveyor to supply sufficient water for the project; and 6) projects that require new or expansion of existing water supply facilities.</p>
9.	<input type="radio"/>	<input type="radio"/>	<p>Will the project require construction of new water conveyance infrastructure?</p> <p>Examples of such projects are when water demands exceed the capacity of the local water purveyor to supply sufficient water for the project, or require new or modified sewage treatment facilities such that the project requires new water lines, sewage lines, sewage hook-ups, etc.</p>
<b>Section IV – Transportation/Circulation</b>			
10.			Will the project result in (Check all that apply):
	<input type="radio"/>	<input type="radio"/>	a. the need for more than 350 new employees?
	<input type="radio"/>	<input type="radio"/>	b. an increase in heavy-duty transport truck traffic to and/or from the facility by more than 350 truck round-trips per day?
	<input type="radio"/>	<input type="radio"/>	c. increase customer traffic by more than 700 visits per day?
<b>Section V – Noise</b>			
11.	<input type="radio"/>	<input type="radio"/>	Will the project include equipment that will generate noise GREATER THAN 90 decibels (dB) at the property line?
<b>Section VI – Public Services</b>			
12.			Will the project create a permanent need for new or additional public services in any of the following areas (Check all that apply):
	<input type="radio"/>	<input type="radio"/>	a. Solid waste disposal? Check "No" if the projected potential amount of wastes generated by the project is less than five tons per day.
	<input type="radio"/>	<input type="radio"/>	b. Hazardous waste disposal? Check "No" if the projected potential amount of hazardous wastes generated by the project is less than 42 cubic yards per day (or equivalent in pounds).
**REMINDER: For each "Yes" checked in the sections above, attach all pertinent information including but not limited to estimated quantities, volumes, weights, etc.**			
<b>SIGNATURES</b>			
I HEREBY CERTIFY THAT ALL INFORMATION CONTAINED HEREIN AND INFORMATION SUBMITTED WITH THIS APPLICATION IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE. I UNDERSTAND THAT THIS FORM IS A SCREENING TOOL AND THAT THE SCAQMD RESERVES THE RIGHT TO CONSIDER OTHER PERTINENT INFORMATION IN DETERMINING CEQA APPLICABILITY.			
SIGNATURE OF RESPONSIBLE OFFICIAL OF FIRM: 		TITLE OF RESPONSIBLE OFFICIAL OF FIRM: Terminal Manager	
TYPE OR PRINT NAME OF RESPONSIBLE OFFICIAL OF FIRM: Tam H. Bui		RESPONSIBLE OFFICIAL'S TELEPHONE NUMBER: (714) 5967-592	DATE Signed: 08/14/2009
SIGNATURE OF PREPARER, IF PREPARED BY PERSON OTHER THAN RESPONSIBLE OFFICIAL OF FIRM: 		TITLE OF PREPARER: HES Specialist	
TYPE OR PRINT NAME OF PREPARER: Kenneth Yee		PREPARER'S TELEPHONE NUMBER: (714) 8430-866	DATE Signed: 08/14/2009

THIS CONCLUDES FORM 400-CEQA. INCLUDE THIS FORM AND THE ATTACHMENTS WITH FORM 400-A.

<sup>4</sup> Table 1 – Regulated Substances List and Threshold Quantities for Accidental Release Prevention can be found in the Instructions for Form 400-CEQA.

SCA PERMIT PROCESSING SYSTEM (PPS)

FEE DATA - SUMMARY SHEET

Application No : 501915

IRS/SS No:

Previous Application No:

Previous Permit No:

Company Name : CHEVRON PRODUCTS COMPANY  
 Equipment Street: 17881 GOTHARDST , HUNTINGTON BEACH CA 92647  
 Equipment Desc : Title V Permit Revision

Facility ID: 800302

32

Equipment Type : BASIC

Fee Charged by: B-CAT

B-CAT NO. : 555007

C-CAT NO: 00

Fee Schedule: Z

Facility Zone : 18

Deemed Compl. Date: 9/25/2009

Public Notice: YES

Evaluation Type : SIGNIFICANT PERMIT REVISION

Small Business:

Disposition : Approve Title V Application, Recommended by Engineer

Higher Fees for Failing to Obtain a Permit:

Lead Appl. No :

Identical Permit Unit:

Air quality Analysis	\$0.00	Filing Fee Paid:	\$0.00
E.I.R	\$0.00	Permit Processing Fee Paid:	\$843.80
Health Risk Assessment	\$0.00	Permit Processing Fee Calculated*:	\$843.80
Significant Project	\$0.00	Permit Processing Fee Adjustment:	\$0.00
Expedited Processing	Hours: 0.00 \$0.00		
Source Test Review	Hours: 0.00 \$0.00		
Time & Material	Hours: 0.00 \$0.00		
		Total Additional Fee:	\$0.00
		Additional Charge:	\$0.00

COMMENTS: THE PPS PROGRAM DOES NOT ALLOW ENTRY OF ADDITIONAL FEES. THE APPLICANT SHOULD BE INVOICED FOR THE FOLLOWING FEES:  
 1. PUBLIC NOTICE PREPARATION FEE OF \$781.82  
 2. PUBLIC NOTICE PREPARATION FEE OF \$750.00

RECOMMENDED BY: TOM WITTE

DATE: 03/09/2010

REVIEWED BY: COT

DATE: 3/10/10

\* ADJUSTED FOR SMALL BUSINESS, IDENTICAL EQUIPMENT AND P/O NO P/C PENALTY

SCAQMD PERMIT PROCESSING SYSTEM

FEE DATA - SUMMARY SHEET

Application No : 501915

IRS/SS No:

Previous Application No:

Previous Permit No:

Company Name : CHEVRON PRODUCTS COMPANY  
 Equipment Street: 17881 GOTHARDST , HUNTINGTON BEACH CA 92647  
 Equipment Desc : Title V Permit Revision

Facility ID: 800302

Equipment Type : BASIC  
 B-CAT NO. : 555007  
 Facility Zone : 18

C-CAT NO: 00  
 Deemed Compl. Date: 9/25/2009

Fee Charged by: B-CAT  
 Fee Schedule: Z  
 Public Notice: NO

Evaluation Type : SIGNIFICANT PERMIT REVISION  
 Disposition : Approve Title V Application, Recommended by Engineer  
 Lead Appl. No :

Small Business:   
 Higher Fees for Failing to Obtain a Permit:   
 Identical Permit Unit:

Air quality Analysis		\$0.00
E.I.R		\$0.00
Health Risk Assessment		\$0.00
Significant Project		\$0.00
Expedited Processing	Hours: 0.00	\$0.00
Source Test Review	Hours: 0.00	\$0.00
Time & Material	Hours: 0.00	\$0.00

Filing Fee Paid:	\$0.00
Permit Processing Fee Paid:	\$843.80
Permit Processing Fee Calculated*:	\$843.80
Permit Processing Fee Adjustment:	\$0.00

Total Additional Fee: \$0.00

Additional Charge: \$0.00

*Charge P/N fee, invoice from newspaper at time of approval -*

*wrong charge  
 next fees per R301  
 Preparation fee: \$ 791.72  
 P.N. Publication: \$ 750*

COMMENTS:

RECOMMENDED BY: TOM WITTE

DATE: 10/27/2009

REVIEWED BY: \_\_\_\_\_

DATE: \_\_\_\_\_

\* ADJUSTED FOR SMALL BUSINESS, IDENTICAL EQUIPMENT AND P/O NO P/C PENALTY



# South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178  
(909).396-2000 • www.aqmd.gov

March 10, 2010

Mr. Tam Bui  
Chevron Products Co.  
17881 Gothard Street  
Huntington Beach, California 92647

Dear Mr. Bui:

RE: Facility ID # 800302  
Chevron Products Company  
17881 Gothard Street  
Huntington Beach, CA 92647

Enclosed are the revised Title Page, Table of Contents, and Section H of your Title V Facility Permit. The revised section reflects the issuance of Permits to Construct as follows:

Section H – Permits to Construct Added

A/N 478611 & A/N 502610	INCORPORATION OF A LOCAL PERMIT TO CONSTRUCT NEW CRUDE OIL STORAGE TANK NO. 477 AND A MODIFICATION OF PERMIT TO CONSTRUCT A/N 478611 TO INCREASE THROUGHPUT LIMIT TO 132,898 BBL/MO. AND RVP TO 6 PSIA.
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This revision is covered under A/N 501915 and is a “significant permit revision” to the Title V permit previously issued May 28, 2009. A draft copy of this permit was electronically submitted to the EPA for a 45-day review period on December 29, 2009. A 30-day Public Notice was printed in the Daily News on January 5, 2010. No comments were received from the EPA or the public.

Please review the attached sections carefully. Insert the enclosed sections into your Title V Facility Permit and discard the earlier versions.

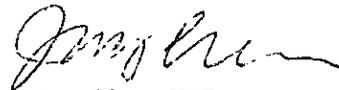
Mr. Tam Bui  
Chevron Products Co.

- 2 -

March 10, 2010

The operation of your facility is bound by the conditions and/or requirements stated in the facility Permit to Operate. If you determine that there are administrative errors, or if you have any questions concerning changes to your permit, please contact Mr. Tom Witte, Air Quality Engineer, at (909) 396-2521 within 30 days of the receipt of your permit.

Sincerely,



Jay Chen, P.E.  
Senior Manager  
Refinery and Waste Mgmt. Permitting  
Engineering and Compliance

CDT: TWW  
Enclosures

cc: Gerardo Rios, EPA Region IX  
Compliance  
Central File  
Applications 478611, 501915, 502610

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## FACILITY PERMIT TO OPERATE

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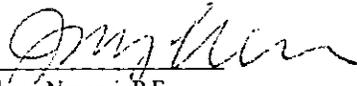
**CHEVRON PRODUCTS COMPANY  
17881 GOTHARD ST  
HUNTINGTON BEACH, CA 92647**

### NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR A COPY THEREOF MUST BE KEPT AT THE LOCATION FOR WHICH IT IS ISSUED.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT SHALL NOT BE CONSTRUED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF ANY OTHER FEDERAL, STATE OR LOCAL GOVERNMENTAL AGENCIES.

Barry R. Wallerstein, D. Env.  
EXECUTIVE OFFICER

By   
Mohsen Nazemi, P.E.  
Deputy Executive Officer  
Engineering & Compliance

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## FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY

---

### TABLE OF CONTENTS

Section	Description	Revision #	Date Issued
A	Facility Information	0	05/28/2009
B	RECLAIM Annual Emission Allocation	0	05/28/2009
C	Facility Plot Plan	TO BE DEVELOPED	
D	Facility Description and Equipment Specific Conditions	0	05/28/2009
E	Administrative Conditions	0	05/28/2009
F	RECLAIM Monitoring and Source Testing Requirements	0	05/28/2009
G	Recordkeeping and Reporting Requirements for RECLAIM Sources	0	05/28/2009
H	Permit To Construct and Temporary Permit to Operate	1	03/10/2010
I	Compliance Plans & Schedules	0	05/28/2009
J	Air Toxics	0	05/28/2009
K	Title V Administration	0	05/28/2009
Appendix			
A	NOx and SOx Emitting Equipment Exempt From Written Permit Pursuant to Rule 219	0	05/28/2009
B	Rule Emission Limits	0	05/28/2009

---

**FACILITY PERMIT TO OPERATE  
CHEVRON PRODUCTS COMPANY**

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**Facility Equipment and Requirements**  
(Section H)

This section consists of a table listing all individual Permits to Construct issued to various equipment at the facility. Each permit will list operating conditions, including periodic monitoring requirements and applicable emission limits and requirements. Also included are the rule origin and authority of each emission limit and permit condition.

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## FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY

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### PERMITTED EQUIPMENT LIST

THE FOLLOWING IS A LIST OF ALL PERMITS TO CONSTRUCT AT THIS FACILITY:

Application No.	Equipment Description	Page No.
386886	STORAGE TANK NO. 872/INT. FLOATING ROOF/GASOLINE	3
389187	STORAGE TANK NO. 879/INT. FLOATING ROOF/HYDROCARB	5
389188	BULK LOADING/UNLOAD (>200,000GPD) GASOLINE	7
389189	BULK LOADING/UNLOAD (>200,000GPD) GASOLINE	10
389190	BULK LOADING/UNLOAD (>200,000GPD) GASOLINE	13
389193	BULK LOADING, LIQUID, (>200,000 GPD) JET-A	16
478611	STORAGE TANK NO. 477, INT. FLOATING ROOF/CRUDE OIL	18
502610	STORAGE TANK NO. 477, INT. FLOATING ROOF/CRUDE OIL	22

APPLICATION NO. 502610 SUPERCEDES APPLICATION NO. 478611.

**NOTE:** EQUIPMENT LISTED ABOVE ARE ISSUED PERMITS TO CONSTRUCT. THE ISSUANCE OR DENIAL OF THEIR PERMITS TO OPERATE IS SUBJECT TO ENGINEERING FINAL REVIEW. ANY OTHER APPLICATIONS THAT ARE STILL BEING PROCESSED AND HAVE NOT BEEN ISSUED PERMITS TO CONSTRUCT WILL NOT BE FOUND IN THIS TITLE V PERMIT.

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**FACILITY PERMIT TO OPERATE  
CHEVRON PRODUCTS COMPANY**

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**PERMIT TO CONSTRUCT**

A/N 386886  
Granted 10/10/2001

**Equipment Description:**

STORAGE TANK NO. 872, 58'-0" DIA. X 40'-0" H., PONTOON TYPE, INTERNAL FLOATING ROOF WITH GEODESIC DOME, 17,900 BARREL CAPACITY, WELDED SHELL, WITH A LIQUID MOUNTED MECHANICAL SHOE PRIMARY SEAL.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK SHALL ONLY BE USED FOR STORING DIESEL OIL OR GASOLINE WITH A REID VAPOR PRESSURE NOT TO EXCEED 13.  
[RULE 1303(b)(2)-OFFSET]
- 4) THE THROUGHPUT OF GASOLINE TO THIS TANK SHALL NOT EXCEED 350,000 BARRELS IN ANY ONE CALENDAR MONTH. RECORDS ON THE DAILY THROUGHPUT OF THE EQUIPMENT, AND THE CUMULATIVE TOTAL THROUGHPUT FOR THE CALENDAR MONTH SHALL BE MAINTAINED AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.  
[RULE 463, RULE 1303(b)(2)-OFFSET, 40CFR60 SUBPART Kb]
- 5) THE OPERATOR SHALL USE AN EXPLOSIMETER OR EQUIVALENT DEVICE TO MONITOR THE HYDROCARBON CONCENTRATION IN THE DOME VAPOR SPACE ON AT LEAST A SEMIANNUAL BASIS.  
[RULE 463]
- 6) THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF SHALL NOT EXCEED 30% OF THE VAPOR LOWER EXPLOSIVE LIMIT.  
[RULE 463]
- 7) THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO SHOW COMPLIANCE WITH THE LIMITATIONS SPECIFIED IN THIS PERMIT. SUCH RECORDS SHALL BE MAINTAINED AND MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.  
[RULE 463, 40CFR60 SUBPART Kb]

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**FACILITY PERMIT TO OPERATE  
CHEVRON PRODUCTS COMPANY**

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Periodic Monitoring: NONE

**Emission Limitations and Requirements:**

- 8) THIS EQUIPMENT SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 463

VOC: RULE 1149

VOC/TOC: 40CFR60 SUBPART Kb

## FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY

### PERMIT TO CONSTRUCT

A/N 389187  
Granted 06/14/2002

**Equipment Description:**

ETHANOL STORAGE TANK NO. 879, 38' - 0" DIA. X 40' - 0" H., DOUBLE DECK TYPE, INTERNAL FLOATING ROOF WITH GEODESIC DOME, 7,976 BARREL CAPACITY, WELDED SHELL, WITH A LIQUID MOUNTED MECHANICAL SHOE PRIMARY SEAL.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
- 3) THIS TANK SHALL NOT BE USED FOR STORING ORGANIC LIQUID HAVING A REID VAPOR PRESSURE OF GREATER THAN 4.5 PSIA.  
[RULE 1303(b)(2)-OFFSET, RULE 1303(c)(4) REGULATORY COMPLIANCE]
- 4) THE OPERATOR SHALL LIMIT THE THROUGHPUT FROM THIS TANK TO NO MORE THAN 126,000 BARRELS IN ANY ONE MONTH. A FLOW MEASURING DEVICE, LOCATED AT LOADING RACK NOS. 1, 2 AND 3 SHALL RECORD THE THROUGHPUT TO SHOW COMPLIANCE WITH THIS CONDITION.  
[RULE 463(g)(1), RULE 1303(b)(2) OFFSETS, RULE 1303(c)(4) REGULATORY COMPLIANCE]
- 5) THE OPERATOR SHALL KEEP RECORDS IN A MANNER APPROVED BY THE DISTRICT TO SHOW COMPLIANCE WITH CONDITION NO.4. SUCH RECORDS SHALL BE MAINTAINED AND KEPT ON FILE AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.  
[RULE 463, 40CFR60 SUBPART Kb]
- 6) THE OPERATOR SHALL USE AN EXPLOSIMETER OR EQUIVALENT DEVICE TO MONITOR THE HYDROCARBON CONCENTRATION IN THE DOME VAPOR SPACE ON AT LEAST A SEMI-ANNUAL BASIS.  
[RULE 463]
- 7) THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF SHALL NOT EXCEED 30% OF THE VAPOR LOWER EXPLOSIVE LIMIT.  
[RULE 463]

**Periodic Monitoring:** NONE

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**FACILITY PERMIT TO OPERATE  
CHEVRON PRODUCTS COMPANY**

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**Emissions and Requirements:**

- 8) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 463

VOC: RULE 1149

VOC/TOC: 40CFR60 SUBPART Kb

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**FACILITY PERMIT TO OPERATE  
CHEVRON PRODUCTS COMPANY**

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**PERMIT TO CONSTRUCT**

**A/N 389188  
Granted 06/14/2002**

**Equipment Description:**

MODIFICATION TO LOADING RACK NO. 1 CONSISTING OF:

- 1) FOUR 4" EMCO-WHEATON GASOLINE BOTTOM LOADING CONNECTIONS.
- 2) TWO 4" EMCO-WHEATON DIESEL BOTTOM LOADING CONNECTIONS.
- 3) TWO 4" EMCO-WHEATON GASOLINE VAPOR RETURN CONNECTIONS.
- 4) FIVE GASOLINE CENTRIFUGAL PUMPS (COMMON TO LOADING RACK NOS. 2 & 3), EACH EQUIPPED WITH TANDEM SEAL, VENTED TO VAPOR RECOVERY SYSTEM, AND A 50 H.P. MOTOR.
- 5) ONE DIESEL CENTRIFUGAL PUMP (COMMON TO LOADING RACK NOS. 2 & 3), EQUIPPED WITH MECHANICAL SEAL, AND A 60 H.P. MOTOR.
- 6) EIGHT VELCON TYPE FILTERS (COMMON TO LOADING RACK NOS. 2 & 3).
- 7) SIX METERS.

BY THE ADDITION OF THE FOLLOWING:

- 1) FOUR ETHANOL METERS.
- 2) ONE GASOLINE METER.
- 3) TWO VELCON TYPE FILTERS (COMMON).
- 4) ONE ETHANOL LOADING PUMP EQUIPPED WITH DOUBLE MECHANICAL SEAL, AND A 50 H.P. MOTOR.

**Conditions:**

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]

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## FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY

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- 3) THE OPERATOR SHALL LIMIT THE LOADING RATE OF GASOLINE AND DIESEL TO NO MORE THAN 3,232,000 GALLONS PER DAY. THE LIMIT SHALL APPLY TO THE TOTAL COMBINED LOADING RATE FOR THE ENTIRE BULK LOADING PLANT.  
[RULE 1303(b)(2) OFFSETS]
- 4) THE OPERATOR SHALL NOT OPERATE THIS EQUIPMENT UNLESS IT IS VENTED TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND HAS BEEN ISSUED A PERMIT TO OPERATE BY THE EXECUTIVE OFFICER.  
[RULE 462, RULE 1303(a)(1) BACT, 40CFR60 SUBPART XX]
- 5) IN ADDITION TO THE RECORDS REQUIRED IN RULE 462, THE LOADING THROUGHPUT RECORD SHALL BE MAINTAINED IN A FORMAT APPROVED BY THE DISTRICT, AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 204, RULE 462]
- 6) THE FOLLOWING BACT REQUIREMENTS SHALL APPLY TO NEW VOC SERVICE FUGITIVE COMPONENTS ASSOCIATED WITH THE DEVICES THAT ARE COVERED BY THIS PERMIT TO CONSTRUCT.
  - A. ALL VALVES SHALL BE BELLOW-SEAL VALVES EXCEPT IN THE FOLLOWING APPLICATIONS: VALVES IN HEAVY LIQUID SERVICE, CONTROL VALVES, INSTRUMENT PIPING/TUBING VALVES, VALVES REQUIRING TORSIONAL STEM MOTION, SITUATIONS WHERE VALVE FAILURE COULD POSE SAFETY HAZARD (E.G., DRAIN VALVES WITH STEMS IN THE HORIZONTAL POSITION), RETROFIT/SPECIAL APPLICATION VALVES WITH SPACE LIMITATION, AND VALVES NOT COMMERCIALY AVAILABLE. THE DISTRICT SHALL APPROVE ALL EXCEPTIONS TO THIS REQUIREMENT. ALL VALVES AND NEW MAJOR COMPONENTS SHALL BE PHYSICALLY IDENTIFIED IN THE FIELD WITH SPECIAL MARKINGS THAT DISTINGUISH THE COMPONENTS FROM NON-BACT COMPONENTS. ADDITIONALLY, ALL NEW COMPONENTS SHALL BE IDENTIFIED AS BACT COMPONENTS IN THE RECORD.
  - B. THE OPERATOR SHALL PROVIDE THE FOLLOWING INFORMATION TO THE DISTRICT NO LATER THAN 60 DAYS AFTER INITIAL STARTUP OF THE EQUIPMENT IN THE SYSTEM:
    1. PROCESS AND INSTRUMENTATION DIAGRAMS (OR SOME OTHER EQUIVALENT DISTRICT-APPROVED DIAGRAMS) THAT IDENTIFY ALL VALVES.
    2. A LISTING OF ALL VALVES INSTALLED OR REMOVED, CATEGORIZED BY LOCATION, TYPE, SIZE, ACCESSIBILITY, AND SERVICE; AND FOR NON-BELLOW SEAL VALVES, REASON/S WHY BELLOW SEAL VALVES ARE NOT USED.
    3. A RECALCULATION OF FUGITIVE EMISSIONS SHALL BE SUBMITTED BASED ON THE ACTUAL COMPONENTS INSTALLED OR REMOVED FROM THE SYSTEM.
  - C. ALL FUGITIVE COMPONENTS IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED IN RULE 1173, SHALL BE INSPECTED MONTHLY USING EPA REFERENCE METHOD 21.

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**FACILITY PERMIT TO OPERATE  
CHEVRON PRODUCTS COMPANY**

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- D. ALL COMPONENTS IN VOC SERVICE, WITH A LEAK GREATER THAN 500 PPM BUT LESS THAN 1,000 PPM MEASURED AS METHANE ABOVE BACKGROUND USING EPA REFERENCE METHOD 21, SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION. A LEAK OF 1,000 PPM OR GREATER SHALL BE REPAIRED ACCORDING TO RULE 1173.
- E. THE OPERATOR MAY REVERT TO A QUARTERLY INSPECTION UPON DISTRICT APPROVAL, AFTER TWO CONSECUTIVE MONTHS OF INSPECTIONS IN WHICH ONLY TWO PERCENT OR LESS OF THE FUGITIVE COMPONENTS ARE DETECTED TO LEAK OVER 500 PPM ABOVE BACKGROUND.
- F. THE RECORDS OF THE MONTHLY INSPECTION, SUBSEQUENT REPAIRS AND REINSPECTIONS, IF ANY, SHALL BE MAINTAINED IN A FORMAT APPROVED BY THE DISTRICT, AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. [RULE 1173, RULE 1303(a)(1) BACT]
7. RULE 1173 INSPECTION AND MAINTENANCE PROGRAM IS REQUIRED. THE OPERATOR SHALL MAINTAIN RECORDS OF THE INSPECTION IN A FORMAT APPROVED BY THE DISTRICT, AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. [RULE 1173]

**Periodic Monitoring:** NONE

**Emissions and Requirements:**

8. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- VOC: 0.08 LB/1000 GALLONS OF ORGANIC LIQUIDS LOADED, RULE 462  
VOC: 0.06 LB/1000 GALLONS, RULE 1303(b)(2) OFFSETS  
VOC/TOC: 35 MILLIGRAMS PER LITER OF GASOLINE LOADED, 40CFR60 SUBPART XX

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## FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY

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### PERMIT TO CONSTRUCT

A/N 389189  
Granted 06/14/2002

#### Equipment Description:

##### MODIFICATION TO LOADING RACK NO. 2 CONSISTING OF:

- 1) FOUR 4" EMCO-WHEATON GASOLINE BOTTOM LOADING CONNECTIONS.
- 2) ONE 4" EMCO-WHEATON DIESEL BOTTOM LOADING CONNECTIONS.
- 3) TWO 4" EMCO-WHEATON GASOLINE VAPOR RETURN CONNECTIONS.
- 4) FIVE GASOLINE CENTRIFUGAL PUMPS (COMMON TO LOADING RACK NOS. 1 & 3), EACH EQUIPPED WITH TANDEM SEAL, VENTED TO VAPOR RECOVERY SYSTEM, AND A 50 H.P. MOTOR.
- 5) ONE DIESEL CENTRIFUGAL PUMP (COMMON TO LOADING RACK NOS. 1 & 3), EQUIPPED WITH MECHANICAL SEAL, AND A 60 H.P. MOTOR.
- 6) EIGHT VELCON TYPE FILTERS (COMMON TO LOADING RACK NOS. 1 & 3).
- 7) FIVE METERS.

##### BY THE ADDITION OF THE FOLLOWING:

- 1) FOUR ETHANOL METERS.
- 2) ONE GASOLINE METER.
- 3) TWO VELCON TYPE FILTERS (COMMON).
- 4) ONE ETHANOL LOADING PUMP EQUIPPED WITH DOUBLE MECHANICAL SEAL, AND A 50 H.P. MOTOR.

#### Conditions:

- 1) OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
- 2) THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]

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## FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY

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- 3) THE OPERATOR SHALL LIMIT THE LOADING RATE OF GASOLINE AND DIESEL TO NO MORE THAN 3,232,000 GALLONS PER DAY. THE LIMIT SHALL APPLY TO THE TOTAL COMBINED LOADING RATE FOR THE ENTIRE BULK LOADING PLANT.  
[RULE 1303(b)(2) OFFSETS]
- 4) THE OPERATOR SHALL NOT OPERATE THIS EQUIPMENT UNLESS IT IS VENTED TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND HAS BEEN ISSUED A PERMIT TO OPERATE BY THE EXECUTIVE OFFICER.  
[RULE 462, RULE 1303(a)(1) BACT, 40CFR60 SUBPART XX]
- 5) IN ADDITION TO THE RECORDS REQUIRED IN RULE 462, THE LOADING THROUGHPUT RECORD SHALL BE MAINTAINED IN A FORMAT APPROVED BY THE DISTRICT, AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 204, RULE 462]
- 6) THE FOLLOWING BACT REQUIREMENTS SHALL APPLY TO NEW VOC SERVICE FUGITIVE COMPONENTS ASSOCIATED WITH THE DEVICES THAT ARE COVERED BY THIS PERMIT TO CONSTRUCT.
  - A. ALL VALVES SHALL BE BELLOW-SEAL VALVES EXCEPT IN THE FOLLOWING APPLICATIONS: VALVES IN HEAVY LIQUID SERVICE, CONTROL VALVES, INSTRUMENT PIPING/TUBING VALVES, VALVES REQUIRING TORSIONAL STEM MOTION, SITUATIONS WHERE VALVE FAILURE COULD POSE SAFETY HAZARD (E.G., DRAIN VALVES WITH STEMS IN THE HORIZONTAL POSITION), RETROFIT/SPECIAL APPLICATION VALVES WITH SPACE LIMITATION, AND VALVES NOT COMMERCIALY AVAILABLE. THE DISTRICT SHALL APPROVE ALL EXCEPTIONS TO THIS REQUIREMENT. ALL VALVES AND NEW MAJOR COMPONENTS SHALL BE PHYSICALLY IDENTIFIED IN THE FIELD WITH SPECIAL MARKINGS THAT DISTINGUISH THE COMPONENTS FROM NON-BACT COMPONENTS. ADDITIONALLY, ALL NEW COMPONENTS SHALL BE IDENTIFIED AS BACT COMPONENTS IN THE RECORD.
  - B. THE OPERATOR SHALL PROVIDE THE FOLLOWING INFORMATION TO THE DISTRICT NO LATER THAN 60 DAYS AFTER INITIAL STARTUP OF THE EQUIPMENT IN THE SYSTEM:
    1. PROCESS AND INSTRUMENTATION DIAGRAMS (OR SOME OTHER EQUIVALENT DISTRICT-APPROVED DIAGRAMS) THAT IDENTIFY ALL VALVES.
    2. A LISTING OF ALL VALVES INSTALLED OR REMOVED, CATEGORIZED BY LOCATION, TYPE, SIZE, ACCESSIBILITY, AND SERVICE; AND FOR NON-BELLOW SEAL VALVES, REASON/S WHY BELLOW SEAL VALVES ARE NOT USED.
    3. A RECALCULATION OF FUGITIVE EMISSIONS SHALL BE SUBMITTED BASED ON THE ACTUAL COMPONENTS INSTALLED OR REMOVED FROM THE SYSTEM.
  - C. ALL FUGITIVE COMPONENTS IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED IN RULE 1173, SHALL BE INSPECTED MONTHLY USING EPA REFERENCE METHOD 21.

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## FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY

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- D. ALL COMPONENTS IN VOC SERVICE, WITH A LEAK GREATER THAN 500 PPM BUT LESS THAN 1,000 PPM MEASURED AS METHANE ABOVE BACKGROUND USING EPA REFERENCE METHOD 21, SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION. A LEAK OF 1,000 PPM OR GREATER SHALL BE REPAIRED ACCORDING TO RULE 1173.
- E. THE OPERATOR MAY REVERT TO A QUARTERLY INSPECTION UPON DISTRICT APPROVAL, AFTER TWO CONSECUTIVE MONTHS OF INSPECTIONS IN WHICH ONLY TWO PERCENT OR LESS OF THE FUGITIVE COMPONENTS ARE DETECTED TO LEAK OVER 500 PPM ABOVE BACKGROUND.
- F. THE RECORDS OF THE MONTHLY INSPECTION, SUBSEQUENT REPAIRS AND REINSPECTIONS, IF ANY, SHALL BE MAINTAINED FOR TWO YEARS (FIVE YEARS FOR A TITLE V FACILITY) IN A FORMAT APPROVED BY THE DISTRICT, AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1303(a)(1) BACT, RULE 1173]
- 7) RULE 1173 INSPECTION AND MAINTENANCE PROGRAM IS REQUIRED. THE OPERATOR SHALL MAINTAIN RECORDS OF THE INSPECTION IN A FORMAT APPROVED BY THE DISTRICT, AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1173]

**Periodic Monitoring:** NONE

**Emissions and Requirements:**

8. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- VOC: 0.08 LB/1000 GALLONS OF ORGANIC LIQUIDS LOADED, RULE 462  
VOC: 0.06 LB/1000 GALLONS, RULE 1303(b)(2) OFFSETS  
VOC/TOC: 35 MILLIGRAMS PER LITER OF GASOLINE LOADED, 40CFR60 SUBPART XX

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**FACILITY PERMIT TO OPERATE  
CHEVRON PRODUCTS COMPANY**

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**PERMIT TO CONSTRUCT**

A/N 389190  
Granted 06/14/2002

**Equipment Description:**

MODIFICATION TO LOADING RACK NO. 3 CONSISTING OF:

1. FOUR 4" EMCO-WHEATON GASOLINE BOTTOM LOADING CONNECTIONS.
2. TWO 4" EMCO-WHEATON GASOLINE VAPOR RETURN CONNECTIONS.
3. TWO GASOLINE CENTRIFUGAL PUMPS (COMMON TO LOADING RACK NOS. 1 & 2), EACH EQUIPPED WITH TANDEM SEAL, VENTED TO VAPOR RECOVERY SYSTEM, AND A 50 H.P. MOTOR.
4. ONE DIESEL CENTRIFUGAL PUMP (COMMON TO LOADING RACK NOS. 1 & 2), EQUIPPED WITH MECHANICAL SEAL, AND A 60 H.P. MOTOR.
5. EIGHT VELCON TYPE FILTERS (COMMON TO LOADING RACK NOS. 1 & 2).
6. FOUR METERS.

BY THE ADDITION OF THE FOLLOWING:

1. FOUR ETHANOL METERS.
2. ONE GASOLINE METER.
3. TWO VELCON TYPE FILTERS (COMMON).
4. ONE ETHANOL LOADING PUMP EQUIPPED WITH DOUBLE MECHANICAL SEAL, AND A 50 H.P. MOTOR.

**Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]

## FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY

3. THE OPERATOR SHALL LIMIT THE LOADING RATE OF GASOLINE AND DIESEL TO NO MORE THAN 3,232,000 GALLONS PER DAY. THE LIMIT SHALL APPLY TO THE TOTAL COMBINED LOADING RATE FOR THE ENTIRE BULK LOADING PLANT.  
[RULE 1303(b)(2) OFFSETS]
4. THE OPERATOR SHALL NOT OPERATE THIS EQUIPMENT UNLESS IT IS VENTED TO AIR POLLUTION CONTROL EQUIPMENT WHICH IS IN FULL USE AND HAS BEEN ISSUED A PERMIT TO OPERATE BY THE EXECUTIVE OFFICER.  
[RULE 462, RULE 1303(a)(1) BACT, 40CFR60 SUBPART XX]
- 5) IN ADDITION TO THE RECORDS REQUIRED IN RULE 462, THE LOADING THROUGHPUT RECORD SHALL BE MAINTAINED IN A FORMAT APPROVED BY THE DISTRICT, AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 204, RULE 462]
- 6) THE FOLLOWING BACT REQUIREMENTS SHALL APPLY TO NEW VOC SERVICE FUGITIVE COMPONENTS ASSOCIATED WITH THE DEVICES THAT ARE COVERED BY THIS PERMIT TO CONSTRUCT.
  - A. ALL VALVES SHALL BE BELLOWS-SEAL VALVES EXCEPT IN THE FOLLOWING APPLICATIONS: VALVES IN HEAVY LIQUID SERVICE, CONTROL VALVES, INSTRUMENT PIPING/TUBING VALVES, VALVES REQUIRING TORSIONAL STEM MOTION, SITUATIONS WHERE VALVE FAILURE COULD POSE SAFETY HAZARD (E.G., DRAIN VALVES WITH STEMS IN THE HORIZONTAL POSITION), RETROFIT/SPECIAL APPLICATION VALVES WITH SPACE LIMITATION, AND VALVES NOT COMMERCIALY AVAILABLE. THE DISTRICT SHALL APPROVE ALL EXCEPTIONS TO THIS REQUIREMENT. ALL VALVES AND NEW MAJOR COMPONENTS SHALL BE PHYSICALLY IDENTIFIED IN THE FIELD WITH SPECIAL MARKINGS THAT DISTINGUISH THE COMPONENTS FROM NON-BACT COMPONENTS. ADDITIONALLY, ALL NEW COMPONENTS SHALL BE IDENTIFIED AS BACT COMPONENTS IN THE RECORD.
  - B. THE OPERATOR SHALL PROVIDE THE FOLLOWING INFORMATION TO THE DISTRICT NO LATER THAN 60 DAYS AFTER INITIAL STARTUP OF THE EQUIPMENT IN THE SYSTEM:
    1. PROCESS AND INSTRUMENTATION DIAGRAMS (OR SOME OTHER EQUIVALENT DISTRICT-APPROVED DIAGRAMS) THAT IDENTIFY ALL VALVES.
    2. A LISTING OF ALL VALVES INSTALLED OR REMOVED, CATEGORIZED BY LOCATION, TYPE, SIZE, ACCESSIBILITY, AND SERVICE; AND FOR NON-BELLOWS SEAL VALVES, REASON/S WHY BELLOWS SEAL VALVES ARE NOT USED.
    3. A RECALCULATION OF FUGITIVE EMISSIONS SHALL BE SUBMITTED BASED ON THE ACTUAL COMPONENTS INSTALLED OR REMOVED FROM THE SYSTEM.
  - C. ALL FUGITIVE COMPONENTS IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED IN RULE 1173, SHALL BE INSPECTED MONTHLY USING EPA REFERENCE METHOD 21.

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**FACILITY PERMIT TO OPERATE  
CHEVRON PRODUCTS COMPANY**

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- D. ALL COMPONENTS IN VOC SERVICE, WITH A LEAK GREATER THAN 500 PPM BUT LESS THAN 1,000 PPM MEASURED AS METHANE ABOVE BACKGROUND USING EPA REFERENCE METHOD 21, SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION. A LEAK OF 1,000 PPM OR GREATER SHALL BE REPAIRED ACCORDING TO RULE 1173.
- E. THE OPERATOR MAY REVERT TO A QUARTERLY INSPECTION UPON DISTRICT APPROVAL, AFTER TWO CONSECUTIVE MONTHS OF INSPECTIONS IN WHICH ONLY TWO PERCENT OR LESS OF THE FUGITIVE COMPONENTS ARE DETECTED TO LEAK OVER 500 PPM ABOVE BACKGROUND.
- F. THE RECORDS OF THE MONTHLY INSPECTION, SUBSEQUENT REPAIRS AND REINSPECTIONS, IF ANY, SHALL BE MAINTAINED FOR TWO YEARS (FIVE YEARS FOR A TITLE V FACILITY) IN A FORMAT APPROVED BY THE DISTRICT, AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1303(a)(1) BACT, RULE 1173]
- 7) RULE 1173 INSPECTION AND MAINTENANCE PROGRAM IS REQUIRED. THE OPERATOR SHALL MAINTAIN RECORDS OF THE INSPECTION IN A FORMAT APPROVED BY THE DISTRICT, AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST.  
[RULE 1173]

**Periodic Monitoring:** NONE

**Emissions and Requirements:**

- 8) THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: 0.08 LB/1000 GALLONS OF ORGANIC LIQUIDS LOADED, RULE 462

VOC: 0.06 LB/1000 GALLONS, RULE 1303(b)(2) OFFSETS

VOC/TOC: 35 MILLIGRAMS PER LITER OF GASOLINE LOADED, 40CFR60 SUBPART XX

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**FACILITY PERMIT TO OPERATE  
CHEVRON PRODUCTS COMPANY**

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**PERMIT TO CONSTRUCT**

A/N 389193  
Granted 06/14/2002

**Equipment Description:**

ETHANOL TANK TRUCK UNLOADING RACK CONSISTING OF:

1. TWO UNLOADING ARMS WITH A 4" BOTTOM LOADING CONNECTOR.
2. ONE 50-HP PUMP, 800 GPM.
3. CONNECTIONS FROM ETHANOL TANK.

**Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. THE FOLLOWING BACT REQUIREMENTS SHALL APPLY TO NEW VOC SERVICE FUGITIVE COMPONENTS ASSOCIATED WITH THE DEVICES THAT ARE COVERED BY THIS PERMIT TO CONSTRUCT.
  - A. ALL VALVES SHALL BE BELLOWS-SEAL VALVES EXCEPT IN THE FOLLOWING APPLICATIONS: VALVES IN HEAVY LIQUID SERVICE, CONTROL VALVES, INSTRUMENT PIPING/TUBING VALVES, VALVES REQUIRING TORSIONAL STEM MOTION, SITUATIONS WHERE VALVE FAILURE COULD POSE SAFETY HAZARD (E.G., DRAIN VALVES WITH STEMS IN THE HORIZONTAL POSITION), RETROFIT/SPECIAL APPLICATION VALVES WITH SPACE LIMITATION, AND VALVES NOT COMMERCIALY AVAILABLE. THE DISTRICT SHALL APPROVE ALL EXCEPTIONS TO THIS REQUIREMENT. ALL VALVES AND NEW MAJOR COMPONENTS SHALL BE PHYSICALLY IDENTIFIED IN THE FIELD WITH SPECIAL MARKINGS THAT DISTINGUISH THE COMPONENTS FROM NON-BACT COMPONENTS. ADDITIONALLY, ALL NEW COMPONENTS SHALL BE IDENTIFIED AS BACT COMPONENTS IN THE RECORD.
  - B. THE OPERATOR SHALL PROVIDE THE FOLLOWING INFORMATION TO THE DISTRICT NO LATER THAN 60 DAYS AFTER INITIAL STARTUP OF THE EQUIPMENT IN THE SYSTEM:

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## FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY

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1. PROCESS AND INSTRUMENTATION DIAGRAMS (OR SOME OTHER EQUIVALENT DISTRICT-APPROVED DIAGRAMS) THAT IDENTIFY ALL VALVES.
2. A LISTING OF ALL VALVES INSTALLED OR REMOVED, CATEGORIZED BY LOCATION, TYPE, SIZE, ACCESSIBILITY, AND SERVICE; AND FOR NON-BELLOW SEAL VALVES, REASON/S WHY BELLOW SEAL VALVES ARE NOT USED.
3. A RECALCULATION OF FUGITIVE EMISSIONS SHALL BE SUBMITTED BASED ON THE ACTUAL COMPONENTS INSTALLED OR REMOVED FROM THE SYSTEM.
  - C. ALL FUGITIVE COMPONENTS IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED IN RULE 1173, SHALL BE INSPECTED MONTHLY USING EPA REFERENCE METHOD 21.
  - D. ALL COMPONENTS IN VOC SERVICE, WITH A LEAK GREATER THAN 500 PPM BUT LESS THAN 1,000 PPM MEASURED AS METHANE ABOVE BACKGROUND USING EPA REFERENCE METHOD 21, SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION. A LEAK OF 1,000 PPM OR GREATER SHALL BE REPAIRED ACCORDING TO RULE 1173.
  - E. THE OPERATOR MAY REVERT TO A QUARTERLY INSPECTION UPON DISTRICT APPROVAL, AFTER TWO CONSECUTIVE MONTHS OF INSPECTIONS IN WHICH ONLY TWO PERCENT OR LESS OF THE FUGITIVE COMPONENTS ARE DETECTED TO LEAK OVER 500 PPM ABOVE BACKGROUND.
  - F. THE RECORDS OF THE MONTHLY INSPECTION, SUBSEQUENT REPAIRS AND REINSPECTIONS, IF ANY, SHALL BE MAINTAINED IN A FORMAT APPROVED BY THE DISTRICT, AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. [RULE 1303(a)(1) BACT, RULE 1173]
4. RULE 1173 INSPECTION AND MAINTENANCE PROGRAM IS REQUIRED. THE OPERATOR SHALL MAINTAIN RECORDS OF THE INSPECTION IN A FORMAT APPROVED BY THE DISTRICT, AND SHALL BE MADE AVAILABLE TO DISTRICT PERSONNEL UPON REQUEST. [RULE 1173]

**Periodic Monitoring:** NONE

**Emissions and Requirements:** NONE

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**FACILITY PERMIT TO OPERATE  
CHEVRON PRODUCTS COMPANY**

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**PERMIT TO CONSTRUCT**  
(SUPERCEDED BY APPLICATION NO. 502610)

A/N 478611  
Granted 05/06/2009

**Equipment Description:**

STORAGE TANK NO. 477, CRUDE OIL, INTERNAL FLOATING ROOF, 35'DIA x 40'H, 6254 BBL WORKING CAPACITY, WELDED INTERNAL FLOATING ROOF WITH A LIQUID MOUNTED, MECHANICAL SHOE TYPE PRIMARY SEAL AND A RIM MOUNTED, WIPER TYPE SECONDARY SEAL.

**Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. DURING ANY TIME WHEN THE TANK IS EMPTIED AFTER HAVING LAST CONTAINED A VOC WITH A REID VAPOR PRESSURE GREATER THAN 0.5 PSIA AND THE FLOATING ROOF WILL REST ON ROOF LEGS, THIS TANK SHALL MEET THE REQUIREMENTS REGARDING THE VENTING, DEGASSING, OR VAPOR TIGHT PROVISIONS OF RULE 1149 AS APPLICABLE.  
[RULE 1149]
4. THIS TANK SHALL BE EMPTIED AND REFILLED ACCORDING TO THE REQUIREMENTS OF RULE 1149 AND RULE 463.  
[RULE 463, RULE 1149]
5. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION BEING MONITORED, AS INDICATED BELOW, DOES NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT (LEL). AN EXPLOSIMETER SHALL BE USED TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE PER YEAR AT A 4 TO 8 MONTHS INTERVAL. ADEQUATE RECORDS SHALL BE KEPT TO SHOW COMPLIANCE WITH THIS CONDITION.  
[RULE 463]

## FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY

6. THE OPERATOR SHALL LIMIT THE USE AND THROUGHPUT TO NO MORE THAN THE 121,956 BARRELS PER CALENDAR MONTH WITH CRUDE OIL NOT TO EXCEED A REID VAPOR PRESSURE OF 3 PSIA.

THE OPERATOR SHALL COMPLY WITH THE FOLLOWING THROUGHPUT MEASUREMENT PRACTICES:

THE OPERATOR SHALL CALCULATE THE THROUGHPUT, IN BARRELS, BY THE FOLLOWING EQUATION:  $0.14 \times D \times D \times L$ , WHERE "D" IS THE DIAMETER OF THE TANK IN FEET BASED ON THE TANK STRAPPING CHART AND "L" IS THE TOTAL VERTICAL ONE-WAY ROOF TRAVEL IN FEET PER MONTH.

THE OPERATOR SHALL INSTALL AND MAINTAIN AN AUTOMATIC TANK LEVEL GAUGE (ATLG) AND RECORDER TO CONTINUOUSLY RECORD THE VERTICAL MOVEMENT OF THE ROOF. FOR THE PURPOSE OF THIS CONDITION, CONTINUOUS RECORDING IS DEFINED AS ONCE PER HOUR.

THE OPERATOR SHALL CALCULATE THE TOTAL ONE-WAY ROOF MOVEMENT, IN FEET, ON A DAILY AND MONTHLY BASIS.

THE ATLG INSTALLED SHALL BE VERIFIED ONCE PER QUARTER BY COMPARING AGAINST A MANUAL TANK LEVEL MEASUREMENT. IF THE ATLG DIFFERS FROM THE MANUAL TANK LEVEL MEASUREMENT BY MORE THAN 1.0 INCH OR 0.8%, WHICHEVER IS GREATER.

IN THE EVENT OF A FAILURE OR ROUTINE MAINTENANCE OF THE ATLG, THE ATLG SHALL BE REPAIRED (IF NECESSARY) AND PUT BACK INTO SERVICE WITHIN 10 DAYS OF THE TIME THAT THE ATLG FAILED OR WAS REMOVED FROM SERVICE FOR MAINTENANCE. WHILE THE ATLG IS BEING REPAIRED OR MAINTAINED, THE THROUGHPUT SHALL BE DETERMINED BY THE SMITH MODEL F4-S1, 4 INCH POSITIVE DISPLACEMENT METER (OR EQUIVALENT) INSTALLED ON THE TANK OUTLET.

[RULE 1303(b)(2)-OFFSET, RULE 1401]

7. REFILLING OR DEGASSING OPERATIONS OR OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ITS LEGS SHALL BE RECORDED AND MAINTAINED FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO THE DISTRICT UPON REQUEST. SUCH RECORDS SHALL INCLUDE, BUT NOT BE LIMITED TO, THE TANK IDENTIFICATION AND TIME OF START AND FINISH OF OPERATION BEFORE AND AFTER THE OPERATION.

[RULE 1149]

8. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO SHOW COMPLIANCE WITH THE LIMITATIONS SPECIFIED IN THIS PERMIT. SUCH RECORDS SHALL BE MAINTAINED AND KEPT ON FILE FOR AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.

[RULE 463, 1149, 1303(b)(2)-OFFSET, 1401, 40 CFR 60 SUBPART Kb, 40 CFR 63 SUBPART BBBB]

9. THE OPERATOR SHALL PROVIDE TO THE DISTRICT, NO LATER THAN 60 DAYS AFTER INITIAL STARTUP, A RECALCULATION OF THE FUGITIVE EMISSIONS BASED ON ACTUAL COMPONENTS INSTALLED AND REMOVED FROM SERVICE. THE OPERATOR SHALL ALSO PROVIDE COMPLETE, AS BUILT, PIPING AND INSTRUMENTATION DIAGRAM(S) AND COPIES OF REQUISITION DATA SHEETS FOR ALL NON-LEAKLESS VALVES WITH A LISTING OF TAG NUMBERS.

[RULE 1303(b)(2)-OFFSET]

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## FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY

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10. ALL NEW VALVES AND MAJOR COMPONENTS IN VOC SERVICE AS DEFINED BY RULE 1173, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173 SHALL BE DISTINCTLY IDENTIFIED FROM OTHER COMPONENTS THROUGH THEIR TAG NUMBERS (E.G., NUMBERS ENDING IN THE LETTER "N"), AND SHALL BE NOTED IN THE RECORDS.  
[RULE 1173, 1303(a)(1)-BACT]
11. ALL NEW COMPONENTS IN VOC SERVICE AS DEFINED IN RULE 1173, EXCEPT VALVES AND FLANGES, SHALL BE INSPECTED QUARTERLY USING EPA REFERENCE METHOD 21. ALL NEW VALVES AND FLANGES IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE INSPECTED MONTHLY USING EPA METHOD 21.  
[RULE 1173]
12. IF 98.0 PERCENT OR GREATER OF THE NEW (NON-LEAKLESS TYPE) VALVES AND THE NEW FLANGE POPULATION INSPECTED IS FOUND TO LEAK GASEOUS OR LIQUID VOLATILE ORGANIC COMPOUNDS AT A RATE LESS THAN 200 PPMV FOR TWO CONSECUTIVE MONTHS, THEN THE OPERATOR MAY CHANGE TO A QUARTERLY INSPECTION PROGRAM WITH THE APPROVAL OF THE DISTRICT.  
[RULE 1173, 1303(a)(1)-BACT EXEMPTION, 1303(b)(2)-OFFSET]
13. ALL NEW COMPONENTS IN VOC SERVICE WITH A LEAK GREATER THAN 200 PPMV BUT LESS THAN 1,000 PPMV, AS METHANE, MEASURED ABOVE BACKGROUND USING EPA METHOD 21 SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION. COMPONENTS SHALL BE DEFINED AS ANY VALVE, FITTING, PUMP, COMPRESSOR, PRESSURE RELIEF VALVE DEVICE, DIAPHRAGM, HATCH, SIGHT-GLASS, AND METER, WHICH ARE NOT EXEMPTED BY RULE 1173.  
[RULE 1173, 1303(a)(1)-BACT EXEMPTION, 1303(b)(2)-OFFSET]
14. THE OPERATOR SHALL KEEP RECORDS OF THE MONTHLY INSPECTION (QUARTERLY WHERE APPLICABLE), SUBSEQUENT REPAIR, AND RE-INSPECTION, IN A MANNER APPROVED BY THE DISTRICT. RECORDS SHALL BE KEPT AND MAINTAINED FOR AT LEAST TWO YEARS, AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.  
[RULE 1173]
15. FINAL DRAWINGS AND/ OR SPECIFICATIONS OF THIS EQUIPMENT INSTALLED/ CONSTRUCTED SHALL BE SUBMITTED TO THE DISTRICT WITHIN 60 DAYS PRIOR TO THE OPERATION OF THE EQUIPMENT. THIS SUBMISSION SHALL ALSO INCLUDE FINAL INSTALLED FUGITIVE COMPONENT COUNTS.  
[RULE 1173, 1303(b)(2)-OFFSET]
16. PRIOR TO PLACING TANK 477 IN SERVICE, APPLICANT SHALL SUBMIT A RULE 463 PLAN MODIFICATION APPLICATION TO INCLUDE TANK 477 WITHIN 90 DAYS OF ISSUANCE OF THE FACILITY'S INITIAL TITLE V PERMIT.  
[RULE 204, RULE 463]

Periodic Monitoring: NONE

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**FACILITY PERMIT TO OPERATE  
CHEVRON PRODUCTS COMPANY**

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**Emissions and Requirements:**

17. IN ACCORDANCE WITH RULE 3002(a)(3) THE PERMIT FOR THIS EQUIPMENT IS BEING ISSUED AS A NON-TITLE V PERMIT. THE FACILITY PERMIT HOLDER SHALL SUBMIT AN APPLICATION FOR A TITLE V PERMIT REVISION TO INCLUDE THIS PERMIT TO CONSTRUCT ISSUED UNDER APPLICATION NO. 478611 FOR TANK 477 WITHIN 90 DAYS OF ISSUANCE OF THE FACILITY'S INITIAL TITLE V PERMIT.  
[RULE 3003(a)(5)]
18. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
- |      |                      |
|------|----------------------|
| VOC: | RULE 463             |
| VOC: | RULE 1149            |
| VOC: | RULE 1173            |
| VOC: | 40 CFR 60 SUBPART Kb |

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**FACILITY PERMIT TO OPERATE  
CHEVRON PRODUCTS COMPANY**

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**PERMIT TO CONSTRUCT**  
(SUPERCEDES APPLICATION NO. 478611)

A/N 502610  
Granted 03/10/2010

**Equipment Description:**

STORAGE TANK NO. 477, CRUDE OIL, INTERNAL FLOATING ROOF, 35'DIA x 40'H, 6254 BBL WORKING CAPACITY, WELDED INTERNAL FLOATING ROOF WITH A LIQUID MOUNTED, MECHANICAL SHOE TYPE PRIMARY SEAL AND A RIM MOUNTED, WIPER TYPE SECONDARY SEAL.

**Conditions:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. DURING ANY TIME WHEN THE TANK IS EMPTIED AFTER HAVING LAST CONTAINED A VOC WITH A REID VAPOR PRESSURE GREATER THAN 0.5 PSIA AND THE FLOATING ROOF WILL REST ON ROOF LEGS, THIS TANK SHALL MEET THE REQUIREMENTS REGARDING THE VENTING, DEGASSING, OR VAPOR TIGHT PROVISIONS OF RULE 1149 AS APPLICABLE.  
[RULE 1149]
4. THIS TANK SHALL BE EMPTIED AND REFILLED ACCORDING TO THE REQUIREMENTS OF RULE 1149 AND RULE 463.  
[RULE 463, RULE 1149]
5. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION BEING MONITORED, AS INDICATED BELOW, DOES NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT (LEL). AN EXPLOSIMETER SHALL BE USED TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE PER YEAR AT A 4 TO 8 MONTHS INTERVAL. ADEQUATE RECORDS SHALL BE KEPT TO SHOW COMPLIANCE WITH THIS CONDITION.  
[RULE 463]

## FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY

6. THE OPERATOR SHALL LIMIT THE USE AND THROUGHPUT TO NO MORE THAN THE 132,898 BARRELS PER CALENDAR MONTH WITH CRUDE OIL NOT TO EXCEED A REID VAPOR PRESSURE OF 6 PSIA.

THE OPERATOR SHALL COMPLY WITH THE FOLLOWING THROUGHPUT MEASUREMENT PRACTICES:

THE OPERATOR SHALL CALCULATE THE THROUGHPUT, IN BARRELS, BY THE FOLLOWING EQUATION:  $0.14 \times D \times D \times L$ , WHERE "D" IS THE DIAMETER OF THE TANK IN FEET BASED ON THE TANK STRAPPING CHART AND "L" IS THE TOTAL VERTICAL ONE-WAY ROOF TRAVEL IN FEET PER MONTH.

THE OPERATOR SHALL INSTALL AND MAINTAIN AN AUTOMATIC TANK LEVEL GAUGE (ATLG) AND RECORDER TO CONTINUOUSLY RECORD THE VERTICAL MOVEMENT OF THE ROOF. FOR THE PURPOSE OF THIS CONDITION, CONTINUOUS RECORDING IS DEFINED AS ONCE PER HOUR.

THE OPERATOR SHALL CALCULATE THE TOTAL ONE-WAY ROOF MOVEMENT, IN FEET, ON A DAILY AND MONTHLY BASIS.

THE ATLG INSTALLED SHALL BE VERIFIED ONCE PER QUARTER BY COMPARING AGAINST A MANUAL TANK LEVEL MEASUREMENT. IF THE ATLG DIFFERS FROM THE MANUAL TANK LEVEL MEASUREMENT BY MORE THAN 1.0 INCH OR 0.8%, WHICHEVER IS GREATER.

IN THE EVENT OF A FAILURE OR ROUTINE MAINTENANCE OF THE ATLG, THE ATLG SHALL BE REPAIRED (IF NECESSARY) AND PUT BACK INTO SERVICE WITHIN 10 DAYS OF THE TIME THAT THE ATLG FAILED OR WAS REMOVED FROM SERVICE FOR MAINTENANCE. WHILE THE ATLG IS BEING REPAIRED OR MAINTAINED, THE THROUGHPUT SHALL BE DETERMINED BY THE SMITH MODEL F4-S1, 4 INCH POSITIVE DISPLACEMENT METER (OR EQUIVALENT) INSTALLED ON THE TANK OUTLET.

[RULE 1303(b)(2)-OFFSET, RULE 1401]

7. REFILLING OR DEGASSING OPERATIONS OR OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ITS LEGS SHALL BE RECORDED AND MAINTAINED FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO THE DISTRICT UPON REQUEST. SUCH RECORDS SHALL INCLUDE, BUT NOT BE LIMITED TO, THE TANK IDENTIFICATION AND TIME OF START AND FINISH OF OPERATION BEFORE AND AFTER THE OPERATION.

[RULE 1149]

8. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO SHOW COMPLIANCE WITH THE LIMITATIONS SPECIFIED IN THIS PERMIT. SUCH RECORDS SHALL BE MAINTAINED AND KEPT ON FILE FOR AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.

[RULE 463, 1149, 1303(b)(2)-OFFSET, 1401, 40 CFR 60 SUBPART Kb, 40 CFR 63 SUBPART BBBB]

9. THE OPERATOR SHALL PROVIDE TO THE DISTRICT, NO LATER THAN 60 DAYS AFTER INITIAL STARTUP, A RECALCULATION OF THE FUGITIVE EMISSIONS BASED ON ACTUAL COMPONENTS INSTALLED AND REMOVED FROM SERVICE. THE OPERATOR SHALL ALSO PROVIDE COMPLETE, AS BUILT, PIPING AND INSTRUMENTATION DIAGRAM(S) AND COPIES OF REQUISITION DATA SHEETS FOR ALL NON-LEAKLESS VALVES WITH A LISTING OF TAG NUMBERS.

[RULE 1303(b)(2)-OFFSET]

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## FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY

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10. ALL NEW VALVES AND MAJOR COMPONENTS IN VOC SERVICE AS DEFINED BY RULE 1173, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173 SHALL BE DISTINCTLY IDENTIFIED FROM OTHER COMPONENTS THROUGH THEIR TAG NUMBERS (E.G., NUMBERS ENDING IN THE LETTER "N"), AND SHALL BE NOTED IN THE RECORDS.  
[RULE 1173, 1303(a)(1)-BACT]
11. ALL NEW COMPONENTS IN VOC SERVICE AS DEFINED IN RULE 1173, EXCEPT VALVES AND FLANGES, SHALL BE INSPECTED QUARTERLY USING EPA REFERENCE METHOD 21. ALL NEW VALVES AND FLANGES IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE INSPECTED MONTHLY USING EPA METHOD 21.  
[RULE 1173]
12. IF 98.0 PERCENT OR GREATER OF THE NEW (NON-LEAKLESS TYPE) VALVES AND THE NEW FLANGE POPULATION INSPECTED IS FOUND TO LEAK GASEOUS OR LIQUID VOLATILE ORGANIC COMPOUNDS AT A RATE LESS THAN 200 PPMV FOR TWO CONSECUTIVE MONTHS, THEN THE OPERATOR MAY CHANGE TO A QUARTERLY INSPECTION PROGRAM WITH THE APPROVAL OF THE DISTRICT.  
[RULE 1173, 1303(a)(1)-BACT EXEMPTION, 1303(b)(2)-OFFSET]
13. ALL NEW COMPONENTS IN VOC SERVICE WITH A LEAK GREATER THAN 200 PPMV BUT LESS THAN 1,000 PPMV, AS METHANE, MEASURED ABOVE BACKGROUND USING EPA METHOD 21 SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION. COMPONENTS SHALL BE DEFINED AS ANY VALVE, FITTING, PUMP, COMPRESSOR, PRESSURE RELIEF VALVE DEVICE, DIAPHRAGM, HATCH, SIGHT-GLASS, AND METER, WHICH ARE NOT EXEMPTED BY RULE 1173.  
[RULE 1173, 1303(a)(1)-BACT EXEMPTION, 1303(b)(2)-OFFSET]
14. THE OPERATOR SHALL KEEP RECORDS OF THE MONTHLY INSPECTION (QUARTERLY WHERE APPLICABLE), SUBSEQUENT REPAIR, AND RE-INSPECTION, IN A MANNER APPROVED BY THE DISTRICT. RECORDS SHALL BE KEPT AND MAINTAINED FOR AT LEAST TWO YEARS, AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.  
[RULE 1173]
15. FINAL DRAWINGS AND/ OR SPECIFICATIONS OF THIS EQUIPMENT INSTALLED/ CONSTRUCTED SHALL BE SUBMITTED TO THE DISTRICT WITHIN 60 DAYS PRIOR TO THE OPERATION OF THE EQUIPMENT. THIS SUBMISSION SHALL ALSO INCLUDE FINAL INSTALLED FUGITIVE COMPONENT COUNTS.  
[RULE 1173, 1303(b)(2)-OFFSET]
16. PRIOR TO PLACING TANK 477 IN SERVICE, APPLICANT SHALL SUBMIT A RULE 463 PLAN MODIFICATION APPLICATION TO INCLUDE TANK 477 WITHIN 90 DAYS OF ISSUANCE OF THE FACILITY'S INITIAL TITLE V PERMIT.  
[RULE 204, RULE 463]

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**FACILITY PERMIT TO OPERATE  
CHEVRON PRODUCTS COMPANY**

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**Periodic Monitoring: NONE**

**Emissions and Requirements:**

17. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC: RULE 463  
VOC: RULE 1149  
VOC: RULE 1173  
VOC: 40 CFR 60 SUBPART Kb  
VOC: 40 CFR 63 SUBPART BBBBbB

## Catherine Rodriguez

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**From:** Catherine Rodriguez  
**Sent:** Thursday, March 11, 2010 9:19 AM  
**To:** 'R9AirPermits\_SC@EPA.gov'  
**Cc:** Thomas Witte; Thomas Liebel; Charles Tupac; Jay Chen  
**Subject:** Chevron Products Co (Huntington Beach Terminal) Final Significant  
**Attachments:** ID 800302 Chevron Products Co - Facility Cover Letter AN 478611 502610.pdf; ID 800302 Chevron Products Co - Final Title V Permit - Rev 1.pdf

**Facility Name:** Chevron Products Co. (Huntington Beach Terminal)

**Facility ID:** 800302

**Address:** 17881 Gothard Street, Huntington Beach, CA 92647

**Type of Mod:** Final Significant

**Description:** Section H Permits to Construct Added-

AN 478611 & 502610 - Incorporation of a local permit to construct new crude oil storage tank no. 477 and modification of permit to construct A/N 478611 to increase throughput limit to 132,898 BBL/MO. and RVP to 6 PSIA.

**Title V Application:** 501915

**Attachments:**

1. Facility Cover Letter
2. Final Title V Permit Rev 1

Please call or email me if there are any problems with the transmission of the attached files

Thank you.

Catherine

Catherine Rodriguez  
Secretary to  
Jay Chen, Sr. AQ Engineering Manager  
SCAQMD  
E&C-Refinery and Waste Management -Permitting Unit  
21865 Copley Drive  
Diamond Bar, CA 91765  
(909) 396-2735; [crodriguez@aqmd.gov](mailto:crodriguez@aqmd.gov)



## Thomas Liebel

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**From:** Ramirez.Leslie@epamail.epa.gov  
**Sent:** Thursday, February 25, 2010 7:20 AM  
**To:** Thomas Liebel  
**Subject:** Re: Title V Permit Review

Hi Thomas

Thanks for your email. Due to resource limitations, EPA is unable to review the proposed permit actions listed in your email at this time, so EPA does not have comments. As a result, the permits are eligible for issuance. Please let me know if you have any questions.

-Leslie

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Leslie Ramirez  
U.S. EPA, Region 9  
Air Division, Permits Office  
(415) 972-3978  
(415) 947-3579 fax  
[Ramirez.Leslie@epa.gov](mailto:Ramirez.Leslie@epa.gov)

**From:** Thomas Liebel <TLiebel@aqmd.gov>  
**To:** Leslie Ramirez/R9/USEPA/US@EPA  
**Date:** 02/24/2010 10:15 AM  
**Subject:** Title V Permit Review

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Hi Leslie:

I am inquiring about a couple of Title V permit revisions that, according to my calendar, should have completed the 45-day review period by your office. The two Title V revisions are summarized below.

Chevron (ID 800302), Huntington Beach, CA (Increase in vapor pressure of commodity in a storage tank, 1 pound increase offset with ERCs).

Ultramar (ID 127749), Wilmington, CA (Modification to and installation of storage tanks, net emission decrease).

We have not received any comments from EPA regarding these two permit revisions and intend to issue the permits. If you do have comments, please let me know. Thanks, Leslie.

*Thomas Liebel*  
*Senior Air Quality Engineer*  
*Refinery and Waste Management Permitting*  
*South Coast AQMD*  
*(909) 396-2554*  
*[tliebel@aqmd.gov](mailto:tliebel@aqmd.gov)*

CHEVRON PRODUCTS  
ID 800302

Tam

**DAILY JOURNAL CORPORATION  
CALIFORNIA NEWSPAPER SERVICE BUREAU**

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INVOICE**

Invoice Number B1768055	Date 1/8/2010
Customer Account Number 1124126700	
Customer Payment Reference	
Special Project	

JAN 27 10  
JAY CHEN  
SR. MANAGER

Ordered by:  
CATHERINE RODRIGUEZ  
SCAQMD/ENGINEERING & COMPLIANCE  
21865 COPLEY DR 5TH FLR  
DIAMOND BAR, CA 91765 USA

For payment processing, please forward to: Page 1 of 1  
ACCOUNTS PAYABLE MANAGER  
SCAQMD/ENGINEERING & COMPLIANCE  
21865 COPLEY DR 5TH FLR  
DIAMOND BAR, CA 91765 USA

**DUE UPON RECEIPT**

Type	Order No	Description	Amount
Invoice	B1768055	CHEVRON PRODUCTS CO - ID 800302 - NOTICE OF PROPOSED GPN GOVT PUBLIC NOTICE 87040 THE REGISTER 01/05/2010 LEGAL SECTION SET 1 COL. WIDE X MIN. TYPE  158 lines; \$4.00 per line	632.00           632.00

OFFICE DIVISION: ESC

PROGRAM &  
ACCOUNTING CODE: 50774 - 67500

APPROVAL SIGNATURE: [Signature]

DATE 1/20/10

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FOR ACCOUNTING USE ONLY, VENDOR NO. \_\_\_\_\_

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	1/8/2010	B1768055	1124126700	
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Government Advertising - Division 1124	Please Pay			632.00
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THE REGISTER

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625 N GRAND AVE, SANTA ANA, CA 92701  
Telephone (714) 796-7000 / Fax (714) 796-6059

PROOF OF PUBLICATION

(2015.5 C.C.P.)

State of California )  
County of ORANGE ) ss

Notice Type: GPN - GOVT PUBLIC NOTICE

Ad Description: Chevron Products Co - ID 800302 - Notice of proposed revision to Title V Permit

I am a citizen of the United States and a resident of the State of California; I am over the age of eighteen years, and not a party to or interested in the above entitled matter. I am the principal clerk of the printer and publisher of the THE REGISTER, a newspaper published in the English language in the city of SANTA ANA, county of ORANGE, and adjudged a newspaper of general circulation as defined by the laws of the State of California by the Superior Court of the County of ORANGE, State of California, under date 11/19/1905, Case No. A21046. That the notice, of which the annexed is a printed copy, has been published in each regular and entire issue of said newspaper and not in any supplement thereof on the following dates, to-wit:

01/05/2010

Executed on: 01/05/2010  
At SANTA ANA, California

I certify (or declare) under penalty of perjury that the foregoing is true and correct.

*Julie Trammell*  
Signature



CNS#: 1768055

NOTICE OF PROPOSED REVISION TO TITLE V PERMIT

The South Coast Air Quality Management District (AQMD) is the air pollution control agency for all of Orange County and portions of Los Angeles, Riverside and San Bernardino Counties. This is to inform the public of the intention of the AQMD to issue a revised Title V permit.

Facility Locations and Contact Information

Chevron Products Company  
17881 Gothard St.  
Huntington Beach, CA 92647  
Facility ID# 800302  
Contact Person:  
Mr. Tam Bui  
Terminal Manager

This is an existing facility applying for a revision to their Title V permit. The facility operates a gasoline and petroleum liquids bulk loading, transfer, and storage facility. This revision consists of adding new crude oil storage Tank No. 477 to replace the existing Tank No. 475 and increase crude oil throughput limits. Tank No. 475 will be demolished upon completion of construction of Tank No. 477. The new tank is an internal floating roof tank that meets or exceeds all applicable Federal, State, and AQMD air quality rules and regulations. The operation of the storage tank will result in an increase in VOC emissions of up to 7 pounds per day. The operator has provided emission reduction credits to offset the emission increase. The revision is considered a significant permit revision since the new crude oil storage tank is subject to 40 CFR 60 Subpart Kb.

As required by Title V of the federal Clean Air Act, the AQMD will revise the facility's current Title V permit by removing Permit to Operate for Tank No. 475 from Section D and adding the Permit to Construct for Tank No. 477 to Section H. The Title V permit includes all emissions limits and operating conditions. The facility shall be required to certify compliance with the revised Title V permit in addition to recordkeeping and mandatory reporting of any deviation of the permit conditions. The Title V permit is enforceable by the AQMD,

the federal government, and citizens.

The proposed permit is available for public review at AQMD, 21865 Copley Dr., Diamond Bar, CA 91765. The permit can also be viewed at <http://www.aqmd.gov/webapp/pl/PlblgNotices/Search.aspx> by entering the facility's ID number. Information regarding the facility owner's compliance history submitted to the AQMD pursuant to California Health & Safety Code Section 42336, or otherwise known to the AQMD based on credible information, is also available for public review. For more information or to review additional supporting documents, call Mr. Tom Witte, Air Quality Engineer, at (909) 396-2521. Written comments should be submitted to:

South Coast Air Quality Management District  
Refinery and Waste Management Permitting  
21865 Copley Drive  
Diamond Bar, CA, 91765-4182  
Attn: Jay Chen, Sr. Engineering Manager

Comments must be received by February 4, 2010. The AQMD will consider all public comments and may revise the Title V permit in accordance with AQMD rules and regulations.

The public may request AQMD to conduct a public hearing on the proposed permit by submitting a Hearing Request Form (Form 500-G) to Jay Chen at the above AQMD address. The AQMD will hold a public hearing if there is evidence that the proposed permit is not correct or are not adequate to ensure compliance with regulatory requirements, and a hearing will likely provide additional information that will affect the drafting and/or issuance of the permits. Public hearing request forms and the schedule of public hearings may be obtained from the AQMD by calling the Title V hotline at (909) 396-3013, or from the internet at <http://www.aqmd.gov/titlev>. Requests for public hearings are due by January 20, 2010. A copy of the hearing request must also be sent by first class mail to the contact person listed above.  
1/5/10  
CNS-1768055#

## Public Notice - Routing Checklist

Company Name:	<u>Chevron Products Company</u>
Facility ID:	<u>800302</u>
Application No:	<u>478611; 501915; 502610</u>
RECLAIM Facility?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Initial Title V has been issued or is the subject of this notice?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
County:	<input type="checkbox"/> Los Angeles <input checked="" type="checkbox"/> Orange <input type="checkbox"/> San Bernardino <input type="checkbox"/> Riverside

### Reasons for Public Notice (Please check all appropriate boxes)

Public Notice for Proposed Title V Permit subject to Rule 3006 due to:  
(Check all applicable box)

<input type="checkbox"/> Initial Title V permit
<input checked="" type="checkbox"/> Significant Revision
<input type="checkbox"/> Renewal

### And/Or

Public Notice for Proposed Permit subject to Rule 212 or Rule 1310 due to:  
(Check all appropriate boxes)

<input type="checkbox"/> Permit unit located within 1,000 feet of the outer boundary of a school
<input type="checkbox"/> Risk from permit unit is greater than 1 in a million and from the facility is greater than 10 in a million
<input type="checkbox"/> Emissions greater than the thresholds identified in Rule 212 (g)
<input type="checkbox"/> Issuance of ERC above the emission threshold levels in Rule 1310 (c)
<input type="checkbox"/> Issuance of Short Term Credits (STCs')

### Newspaper Public Notice Dates: (MM/DD/YYYY)

Publication Date:	<u>01/05/2010</u>	<u>1/5/10</u>
Public Hearing Request Due Date:	<u>01/20/2010</u>	<u>1/20/10</u>
Written Comments Due Date:	<u>02/04/2010</u>	<u>2/4/10</u>



# South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178  
(909) 396-2000 • www.aqmd.gov

December 29, 2009

Mr. Gerardo Rios  
U.S. EPA, Region IX  
Mail Stop A-5-2  
75 Hawthorne Street  
San Francisco, CA 94105

Subject: Proposed Significant Permit Revision to Title V Permit for Chevron Products Company, Huntington Beach Terminal (ID #800302)

Dear Mr. Rios:

Enclosed for your 45 day review is the proposed revision to the Title V permit for Chevron Products Company, Huntington Beach Terminal located at 17881 Gothard Street, Huntington Beach, CA 92647. The operator was issued a local Permit to Construct (Application No. 478611) for new Crude Oil Storage Tank No. 477 per Rule 3002(a)(3). The operator subsequently submitted Application No. 502610 to modify the original local Permit to Construct. These Permits to Construct are considered to be a significant permit revision as the the tank is subject to 40CFR 60 Subpart Kb and a public notice is required. We are enclosing the revised permits and copies of the engineering evaluations and public notice.

## SECTION H, PERMIT TO CONSTRUCT

App. No.	Equipment	Description
478611	STORAGE TANK NO. 477, CRUDE OIL, INTERNAL FLOATING ROOF, 35'DIA x 40'H, 6254 BBL WORKING CAPACITY, WELDED INTERNAL FLOATING ROOF WITH A LIQUID MOUNTED, MECHANICAL SHOE TYPE PRIMARY SEAL AND A RIM MOUNTED, WIPER TYPE SECONDARY SEAL	New Tank. Throughput limit 121,956 bbl per mo. of crude oil. Reid vapor pressure limit – RVP 3. ROG emission increase of 6 pounds per day.
502610	Same as 478611	Throughput increase to 132898 bbl per mo. of crude oil. Reid vapor pressure limit increase to RVP 6. ROG emission increase of 1 pound per day.

The initial TV Permit for this facility was issued on May 28, 2009. This revision is covered under Application No. 501915.

The proposed new tank with subsequent modification will result in a total increase of 7 pounds per day of VOC emissions. These emissions will be offset with emission reduction credits (ERCs).

This request is being made via electronic submittal in order to facilitate your review. If you have any questions or need additional information please contact Mr. Tom Witte at (909) 396-2521 or by email at [twitte@aqmd.gov](mailto:twitte@aqmd.gov).

Sincerely,



Jay Chen, P.E.  
Senior Engineering Manager  
Refinery & Waste Management Permitting

JC: CDT: TGL: TWW  
Enclosure

cc: (w/ enclosure)  
Tim Zander, Environmental Specialist, Chevron Pipe Line Company  
Kenneth Yee, HES Specialist, Chevron Products Company  
Application File (A/N 501915)



# South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178  
(909) 396-2000 • [www.aqmd.gov](http://www.aqmd.gov)

## NOTICE OF PROPOSED REVISION TO TITLE V PERMIT

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### Facility Locations and Contact Information

#### **Chevron Products Company**

17881 Gothard St.  
Huntington Beach, CA 92647  
Facility ID# 800302

#### *Contact Person:*

Mr. Tam Bui  
Terminal Manager

This is an existing facility applying for a revision to their Title V permit. The facility operates a gasoline and petroleum liquids bulk loading, transfer, and storage facility. This revision consists of adding new crude oil storage Tank No. 477 to replace the existing Tank No. 475 and increase crude oil throughput limits. Tank No. 475 will be demolished upon completion of construction of Tank No. 477. The new tank is an internal floating roof tank that meets or exceeds all applicable Federal, State, and AQMD air quality rules and regulations. The operation of the storage tank will result in an increase in VOC emissions of up to 7 pounds per day. The operator has provided emission reduction credits to offset the emission increase. The revision is considered a significant permit revision since the new crude oil storage tank is subject to 40 CFR 60 Subpart Kb.

As required by Title V of the federal Clean Air Act, the AQMD will revise the facility's current Title V permit by removing Permit to Operate for Tank No. 475 from Section D and adding the Permit to Construct for Tank No. 477 to Section H. The Title V permit includes all emissions limits and operating conditions. The facility shall be required to certify compliance with the revised Title V permit in addition to recordkeeping and mandatory reporting of

any deviation of the permit conditions. The Title V permit is enforceable by the AQMD, the federal government, and citizens.

The proposed permit is available for public review at AQMD, 21865 Copley Dr., Diamond Bar, CA 91765. The permit can also be viewed at <http://www.aqmd.gov/webappl/PublicNotices/Search.aspx> by entering the facility's ID number. Information regarding the facility owner's compliance history submitted to the AQMD pursuant to California Health & Safety Code Section 42336, or otherwise known to the AQMD based on credible information, is also available from the AQMD for public review. For more information or to review additional supporting documents, call Mr. Tom Witte, Air Quality Engineer, at (909) 396-2521. Written comments should be submitted to:

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21865 Copley Drive  
Diamond Bar, CA, 91765-4182  
Attn: Jay Chen, Sr. Engineering Manager

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*Clara Lopez, Director of Air Quality Management*

## FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY

### PERMIT TO CONSTRUCT

A/N 478611  
Granted 05/06/2009

#### Equipment Description:

STORAGE TANK NO. 477, CRUDE OIL, INTERNAL FLOATING ROOF, 35'DIA x 40'H, 6254 BBL WORKING CAPACITY, WELDED INTERNAL FLOATING ROOF WITH A LIQUID MOUNTED, MECHANICAL SHOE TYPE PRIMARY SEAL AND A RIM MOUNTED, WIPER TYPE SECONDARY SEAL.

#### Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. DURING ANY TIME WHEN THE TANK IS EMPTIED AFTER HAVING LAST CONTAINED A VOC WITH A REID VAPOR PRESSURE GREATER THAN 0.5 PSIA AND THE FLOATING ROOF WILL REST ON ROOF LEGS, THIS TANK SHALL MEET THE REQUIREMENTS REGARDING THE VENTING, DEGASSING, OR VAPOR TIGHT PROVISIONS OF RULE 1149 AS APPLICABLE.  
[RULE 1149]
4. THIS TANK SHALL BE EMPTIED AND REFILLED ACCORDING TO THE REQUIREMENTS OF RULE 1149 AND RULE 463.  
[RULE 463, RULE 1149]
5. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION BEING MONITORED, AS INDICATED BELOW, DOES NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT (LEL). AN EXPLOSIMETER SHALL BE USED TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE PER YEAR AT A 4 TO 8 MONTHS INTERVAL. ADEQUATE RECORDS SHALL BE KEPT TO SHOW COMPLIANCE WITH THIS CONDITION.  
[RULE 463]

## FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY

6. THE OPERATOR SHALL LIMIT THE USE AND THROUGHPUT TO NO MORE THAN THE 121,956 BARRELS PER CALENDAR MONTH WITH CRUDE OIL NOT TO EXCEED A REID VAPOR PRESSURE OF 3 PSIA.

THE OPERATOR SHALL COMPLY WITH THE FOLLOWING THROUGHPUT MEASUREMENT PRACTICES:

THE OPERATOR SHALL CALCULATE THE THROUGHPUT, IN BARRELS, BY THE FOLLOWING EQUATION:  $0.14 \times D \times D \times L$ , WHERE "D" IS THE DIAMETER OF THE TANK IN FEET BASED ON THE TANK STRAPPING CHART AND "L" IS THE TOTAL VERTICAL ONE-WAY ROOF TRAVEL IN FEET PER MONTH.

THE OPERATOR SHALL INSTALL AND MAINTAIN AN AUTOMATIC TANK LEVEL GAUGE (ATLG) AND RECORDER TO CONTINUOUSLY RECORD THE VERTICAL MOVEMENT OF THE ROOF. FOR THE PURPOSE OF THIS CONDITION, CONTINUOUS RECORDING IS DEFINED AS ONCE PER HOUR.

THE OPERATOR SHALL CALCULATE THE TOTAL ONE-WAY ROOF MOVEMENT, IN FEET, ON A DAILY AND MONTHLY BASIS.

THE ATLG INSTALLED SHALL BE VERIFIED ONCE PER QUARTER BY COMPARING AGAINST A MANUAL TANK LEVEL MEASUREMENT. IF THE ATLG DIFFERS FROM THE MANUAL TANK LEVEL MEASUREMENT BY MORE THAN 1.0 INCH OR 0.8%, WHICHEVER IS GREATER.

.IN THE EVENT OF A FAILURE OR ROUTINE MAINTENANCE OF THE ATLG, THE ATLG SHALL BE REPAIRED (IF NECESSARY) AND PUT BACK INTO SERVICE WITHIN 10 DAYS OF THE TIME THAT THE ATLG FAILED OR WAS REMOVED FROM SERVICE FOR MAINTENANCE. WHILE THE ATLG IS BEING REPAIRED OR MAINTAINED, THE THROUGHPUT SHALL BE DETERMINED BY THE SMITH MODEL F4-S1, 4 INCH POSITIVE DISPLACEMENT METER (OR EQUIVALENT) INSTALLED ON THE TANK OUTLET.

[RULE 1303(b)(2)-OFFSET, RULE 1401]

7. REFILLING OR DEGASSING OPERATIONS OR OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ITS LEGS SHALL BE RECORDED AND MAINTAINED FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO THE DISTRICT UPON REQUEST. SUCH RECORDS SHALL INCLUDE, BUT NOT BE LIMITED TO, THE TANK IDENTIFICATION AND TIME OF START AND FINISH OF OPERATION BEFORE AND AFTER THE OPERATION.

[RULE 1149]

8. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO SHOW COMPLIANCE WITH THE LIMITATIONS SPECIFIED IN THIS PERMIT. SUCH RECORDS SHALL BE MAINTAINED AND KEPT ON FILE FOR AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.

[RULE 463, 1149, 1303(b)(2)-OFFSET, 1401, 40 CFR 60 SUBPART Kb, 40 CFR 63 SUBPART BBBB]

9. THE OPERATOR SHALL PROVIDE TO THE DISTRICT, NO LATER THAN 60 DAYS AFTER INITIAL STARTUP, A RECALCULATION OF THE FUGITIVE EMISSIONS BASED ON ACTUAL COMPONENTS INSTALLED AND REMOVED FROM SERVICE. THE OPERATOR SHALL ALSO PROVIDE COMPLETE, AS BUILT, PIPING AND INSTRUMENTATION DIAGRAM(S) AND COPIES OF REQUISITION DATA SHEETS FOR ALL NON-LEAKLESS VALVES WITH A LISTING OF TAG NUMBERS.

[RULE 1303(b)(2)-OFFSET]

## FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY

10. ALL NEW VALVES AND MAJOR COMPONENTS IN VOC SERVICE AS DEFINED BY RULE 1173, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173 SHALL BE DISTINCTLY IDENTIFIED FROM OTHER COMPONENTS THROUGH THEIR TAG NUMBERS (E.G., NUMBERS ENDING IN THE LETTER "N"), AND SHALL BE NOTED IN THE RECORDS.  
[RULE 1173, 1303(a)(1)-BACT]
11. ALL NEW COMPONENTS IN VOC SERVICE AS DEFINED IN RULE 1173, EXCEPT VALVES AND FLANGES, SHALL BE INSPECTED QUARTERLY USING EPA REFERENCE METHOD 21. ALL NEW VALVES AND FLANGES IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE INSPECTED MONTHLY USING EPA METHOD 21.  
[RULE 1173]
12. IF 98.0 PERCENT OR GREATER OF THE NEW (NON-LEAKLESS TYPE) VALVES AND THE NEW FLANGE POPULATION INSPECTED IS FOUND TO LEAK GASEOUS OR LIQUID VOLATILE ORGANIC COMPOUNDS AT A RATE LESS THAN 200 PPMV FOR TWO CONSECUTIVE MONTHS, THEN THE OPERATOR MAY CHANGE TO A QUARTERLY INSPECTION PROGRAM WITH THE APPROVAL OF THE DISTRICT.  
[RULE 1173, 1303(a)(1)-BACT EXEMPTION, 1303(b)(2)-OFFSET]
13. ALL NEW COMPONENTS IN VOC SERVICE WITH A LEAK GREATER THAN 200 PPMV BUT LESS THAN 1,000 PPMV, AS METHANE, MEASURED ABOVE BACKGROUND USING EPA METHOD 21 SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION. COMPONENTS SHALL BE DEFINED AS ANY VALVE, FITTING, PUMP, COMPRESSOR, PRESSURE RELIEF VALVE DEVICE, DIAPHRAGM, HATCH, SIGHT-GLASS, AND METER, WHICH ARE NOT EXEMPTED BY RULE 1173.  
[RULE 1173, 1303(a)(1)-BACT EXEMPTION, 1303(b)(2)-OFFSET]
14. THE OPERATOR SHALL KEEP RECORDS OF THE MONTHLY INSPECTION (QUARTERLY WHERE APPLICABLE), SUBSEQUENT REPAIR, AND RE-INSPECTION, IN A MANNER APPROVED BY THE DISTRICT. RECORDS SHALL BE KEPT AND MAINTAINED FOR AT LEAST TWO YEARS, AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.  
[RULE 1173]
15. FINAL DRAWINGS AND/ OR SPECIFICATIONS OF THIS EQUIPMENT INSTALLED/ CONSTRUCTED SHALL BE SUBMITTED TO THE DISTRICT WITHIN 60 DAYS PRIOR TO THE OPERATION OF THE EQUIPMENT. THIS SUBMISSION SHALL ALSO INCLUDE FINAL INSTALLED FUGITIVE COMPONENT COUNTS.  
[RULE 1173, 1303(b)(2)-OFFSET]
16. PRIOR TO PLACING TANK 477 IN SERVICE, APPLICANT SHALL SUBMIT A RULE 463 PLAN MODIFICATION APPLICATION TO INCLUDE TANK 477 WITHIN 90 DAYS OF ISSUANCE OF THE FACILITY'S INITIAL TITLE V PERMIT.  
[RULE 204, RULE 463]

Periodic Monitoring: NONE

## FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY

### Emissions and Requirements:

17. IN ACCORDANCE WITH RULE 3002(a)(3) THE PERMIT FOR THIS EQUIPMENT IS BEING ISSUED AS A NON-TITLE V PERMIT. THE FACILITY PERMIT HOLDER SHALL SUBMIT AN APPLICATION FOR A TITLE V PERMIT REVISION TO INCLUDE THIS PERMIT TO CONSTRUCT ISSUED UNDER APPLICATION NO. 478611 FOR TANK 477 WITHIN 90 DAYS OF ISSUANCE OF THE FACILITY'S INITIAL TITLE V PERMIT.  
[RULE 3003(a)(5)]
  
18. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:  
  
VOC: RULE 463  
VOC: RULE 1149  
VOC: RULE 1173  
VOC: 40 CFR 60 SUBPART Kb

## FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY

### PERMIT TO CONSTRUCT

A/N 502610  
Granted DRAFT

#### Equipment Description:

STORAGE TANK NO. 477, CRUDE OIL, INTERNAL FLOATING ROOF, 35'DIA x 40'H, 6254 BBL WORKING CAPACITY, WELDED INTERNAL FLOATING ROOF WITH A LIQUID MOUNTED, MECHANICAL SHOE TYPE PRIMARY SEAL AND A RIM MOUNTED, WIPER TYPE SECONDARY SEAL.

#### Conditions:

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
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[RULE 463]

## FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY

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THE OPERATOR SHALL CALCULATE THE THROUGHPUT, IN BARRELS, BY THE FOLLOWING EQUATION:  $0.14 \times D \times D \times L$ , WHERE "D" IS THE DIAMETER OF THE TANK IN FEET BASED ON THE TANK STRAPPING CHART AND "L" IS THE TOTAL VERTICAL ONE-WAY ROOF TRAVEL IN FEET PER MONTH.

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[RULE 1303(b)(2)-OFFSET, RULE 1401]

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[RULE 1149]

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[RULE 463, 1149, 1303(b)(2)-OFFSET, 1401, 40 CFR 60 SUBPART Kb, 40 CFR 63 SUBPART BBBB]

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[RULE 1303(b)(2)-OFFSET]

## FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY

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13. ALL NEW COMPONENTS IN VOC SERVICE WITH A LEAK GREATER THAN 200 PPMV BUT LESS THAN 1,000 PPMV, AS METHANE, MEASURED ABOVE BACKGROUND USING EPA METHOD 21 SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION. COMPONENTS SHALL BE DEFINED AS ANY VALVE, FITTING, PUMP, COMPRESSOR, PRESSURE RELIEF VALVE DEVICE, DIAPHRAGM, HATCH, SIGHT-GLASS, AND METER, WHICH ARE NOT EXEMPTED BY RULE 1173.  
[RULE 1173, 1303(a)(1)-BACT EXEMPTION, 1303(b)(2)-OFFSET]
14. THE OPERATOR SHALL KEEP RECORDS OF THE MONTHLY INSPECTION (QUARTERLY WHERE APPLICABLE), SUBSEQUENT REPAIR, AND RE-INSPECTION, IN A MANNER APPROVED BY THE DISTRICT. RECORDS SHALL BE KEPT AND MAINTAINED FOR AT LEAST TWO YEARS, AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.  
[RULE 1173]
15. FINAL DRAWINGS AND/ OR SPECIFICATIONS OF THIS EQUIPMENT INSTALLED/ CONSTRUCTED SHALL BE SUBMITTED TO THE DISTRICT WITHIN 60 DAYS PRIOR TO THE OPERATION OF THE EQUIPMENT. THIS SUBMISSION SHALL ALSO INCLUDE FINAL INSTALLED FUGITIVE COMPONENT COUNTS.  
[RULE 1173, 1303(b)(2)-OFFSET]
16. PRIOR TO PLACING TANK 477 IN SERVICE, APPLICANT SHALL SUBMIT A RULE 463 PLAN MODIFICATION APPLICATION TO INCLUDE TANK 477 WITHIN 90 DAYS OF ISSUANCE OF THE FACILITY'S INITIAL TITLE V PERMIT.  
[RULE 204, RULE 463]

## FACILITY PERMIT TO OPERATE CHEVRON PRODUCTS COMPANY

**Periodic Monitoring: NONE**

**Emissions and Requirements:**

17. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:

VOC:	RULE 463
VOC:	RULE 1149
VOC:	RULE 1173
VOC:	40 CFR 60 SUBPART Kb
VOC:	40 CFR 63 SUBPART BBBBb

## NSR DATA SUMMARY SHEET

Application No: 501915  
Application Type: Significant permit revision  
Application Status: PENDAPPRV  
Previous Apps,Dev,Permit #: NONE

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Company Name: CHEVRON PRODUCTS COMPANY  
Company ID: 800302  
Address: 17881 GOTHARD ST,HUNTINGTON BEACH, CA 926  
RECLAIM: NO  
RECLAIM Zone: 01  
Basin: SC  
Zone: 18  
Title V: YES

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Device ID: 0 - TITLE-V  
Estimated Completion Date: 12-30-2009  
Heat Input Capacity: 0 Million BTU/hr  
Priority Reserve: NONE - No Priority Access Requested  
Recommended Disposition: 32 - BANKING/ PLAN GRANTED  
PR Expiration:  
School Within 1000 Feet: NO  
Operating Weeks Per Year: 52  
Operating Days Per Week: 7  
Monday Operating Hours: 00:00 to 24:00  
Tuesday Operating Hours: 00:00 to 24:00  
Wednesday Operating Hours: 00:00 to 24:00  
Thursday Operating Hours: 00:00 to 24:00  
Friday Operating Hours: 00:00 to 24:00  
Saturday Operating Hours: 00:00 to 24:00  
Sunday Operating Hours: 00:00 to 24:00

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Emittant: ROG  
BACT:  
Cost Effectiveness: NO  
Source Type: MINOR  
Emis Increase: 0  
Modeling: N/A  
Public Notice: N/A

CONTROLLED EMISSION

Max Hourly: 0 lbs/hr  
Max Daily: 0 lbs/day

UNCONTROLLED EMISSION

Max Hourly: 0 lbs/hr  
Max Daily: 0 lbs/day

CURRENT EMISSION

BACT 30 days Avg: 0 lbs/day  
Annual Emission: 0 lbs/yr  
District Exemption: None

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SUPERVISOR'S APPROVAL:



SUPERVISOR'S REVIEW DATE:

4/21/11

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Processed By: twitte 3/10/2010 8:40:29 AM

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**EVALUATION REPORT FOR PERMIT TO CONSTRUCT**

**APPLICANT'S NAME:**  
CHEVRON USA, INC.

**ID NO.:** 800302  
**SUB ID NO.** 3630

**MAILING ADDRESS**  
17881 GOTHARD STREET  
HUNTINGTON BEACH, CA 92647

**CONTACT:** PAUL COON  
TERMINAL MGR

**EQUIPMENT ADDRESS**  
SAME

**EQUIPMENT DESCRIPTION:**

STORAGE TANK NO. 477, CRUDE OIL, INTERNAL FLOATING ROOF, 35'DIA x 40'H, 6254 BBL WORKING CAPACITY, WELDED INTERNAL FLOATING ROOF WITH A MECHANICAL SHOE TYPE PRIMARY SEAL AND A RIM MOUNTED, WIPER TYPE SECONDARY SEAL.

**BACKGROUND:**

This application for a permit to construct Storage Tank No. 477 was submitted on Feb. 27, 2008. The application was assigned for processing on March 21, 2008 and deemed complete on June 3, 2008. The application was transferred to this engineer on April 24, 2009. A review of AQMD Compliance files indicates 1 NOV (P43829) was issued to the facility in the past 10 years. The NOV was for a loading rack violation in 2004, and the file is closed.

Currently the Chevron HB Terminal (HB) is a Title V facility that operates two gasoline, 1 diesel, and 1 ethanol storage tanks to supply 3 gasoline/diesel loading racks with a combined throughput limit of 3,232,000 gallons per day. A vapor recovery system vents the gasoline storage tanks and the loading racks to an afterburner. In addition, there is a fifth storage tank (no. 475) on site dedicated to crude oil storage. The applicant has filed this application to replace Tank 475 with a new, internal floating roof crude oil storage tank (Tank 477). Tank 475 is scheduled for demolition when Tank 477 is brought online. The coincident demolition of Tank 475 and construction of Tank 477 was conceived as a concurrent project with no net increase in ROG emissions and no offset requirement under Rule 1304(c)(2), however, the moratorium on Rule 1304 exemptions will require HB to provide VOC ERCs to offset emissions from the new Tank. HB has paid a 50% surcharge to expedite the processing of this application. The initial TV permit has already been submitted to EPA for 45 day review so in accordance with Rule 1303(a)(5) the permit to construct for Tank 477 will be included in the TV Permit as a non-federally enforceable permit, and HB will be required to apply for a TV permit revision within 90 days after the TV permit is issued to include the Tank 477 permit.

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**CALCULATIONS:**

Tank Emissions

Assumptions:

- Tank 477 working capacity: 262,000 gallons or 6254 BBL (35' dia x 36.5' working ht.)
- Max annual throughput: 4000 BBL/day requested by applicant ~234 Turnovers/year or ~61,466,184 gal/yr.  
(requested by applicant)
- Maximum vapor pressure: 3 RVP (true vapor pressure = 1.6psia @ 60°F)  
(requested by applicant)

Period	Proposed Throughput (gal)	RVP	Maximum Operating Potential to Emit ROG (lb.) <sup>1</sup>
Annual	61,308,000	3	1795.1
Jan.	5,122,182	3	148.6
Feb.	5,122,182	3	148.8
March	5,122,182	3	149.0
April	5,122,182	3	149.4
May	5,122,182	3	149.8
June	5,122,182	3	150.1
July	5,122,182	3	150.7
August	5,122,182	3	150.8
Sept.	5,122,182	3	150.4
Oct.	5,122,182	3	149.9
Nov.	5,122,182	3	149.1
Dec.	5,122,182	3	148.6

1. Calculated by applicant using EPA Tank 4.09b program  
2. Based on 30 day average

Fugitive Emissions

Component	Service	No.	Factor (lb/yr)	Total (lb/yr)
Valves	Heavy Liquid	7	3	21
Flanges	All	18	1.5	27

Fugitive Emissions Total = 48 lb/yr

$$R_{1FE} = R_{2FE} = 48 \text{ lb/yr} / 12 \text{ mo/yr} / 30 \text{ days/mo} = .133 \text{ lb/day}$$

**ROG Emissions**

$$R_1 = R_2 = 5.02 + .133 = 5.15 \text{ lb/day} / 24 \text{ hr/day} \approx 0.21 \text{ lb/hr}$$

**ERC Determination**

The highest monthly emission calculated by the EPA Tank 4.09b program (August @ 150.8lb) divided by 30  $\approx$  5.02 lb/day plus the fugitive emissions  $\approx$  0.133 lb/day  $\approx$  5.153 lb/day rounded to nearest whole number = 5 lb/day

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The required offset =  $5 \times 1.2 = 6$  lb/day.

### HEALTH RISK ASSESSMENT

Emissions used to calculate health risk are taken from the EPA Tanks program Crude Oil profile. This profile represents average content of toxic air contaminants typically found in Crude Oil.

#### Summary of Air Toxics Emissions from EPA Tank 4.09b Spreadsheet

Toxic Compound	Annual Emissions <sup>1</sup> (lb/yr)	Avg Emissions (lb/hr)
Benzene	12.51	1.428E-03
Ethyl benzene	6.88	7.854E-04
Hexane (n-)	9.35	1.067E-03
Toluene	17.97	2.051E-03
Xylenes	23.98	2.737E-03

1. Based on maximum throughput of 234 turnovers/year.

### MICR and HAZARD INDEX by Tier 2 (See Risk Spreadsheets, Attached)

Basis:

- Emissions from domed external floating roof tank are best modeled in Tier 2 by a volume source calculation modified such that the source height is the top of the tank.
- The tanks VOC emissions are calculated by the EPA 4.0.9b Tanks program.
- Air Toxics are calculated from crude oil toxics fractions in the Tanks program.
- Emissions are assumed to be distributed evenly over 24 hours per day, 365 days per year.
- The MICR (commercial and residential) is calculated by spreadsheet using the updated risk program.
- Distances to receptors provided by applicant.
- The results of the RISK Spreadsheet calculations are summarized in the following tables:

#### MICR

Carcinogen	Emission Rate (lb/hr)	MICR	
		Sensitive/Residential	Worker/Commercial
Benzene	0.001428	7.63E-07	9.37E-07
<b>Totals</b>	<b>n/a</b>	<b>7.63E-07</b>	<b>9.37E-07</b>

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### HIA & HIC

HIA and HIC are calculated by spreadsheet using Tier 2 methods

VARIABLES			Cancer Burden	no
Hour/Day	24	hr/day		
Day/Week	7	day/wk	X/Q for one-in-a-million:	
Week/Year	52	wk/yr	Distance (meter	
Units	lb/hr	lb/hr or ppm	Area (km2):	
Exhaust Flow Rate	N/A	scfm	Population:	
Control Efficiency	0	%	<b>Cancer Burden:</b>	
Point Source?	V	p or v	No cancer burden, MICR < 1 in 1 million	
Stack Height	40	feet		
Area	962	sq. ft.		
Distance-Residential	385	meters		
Distance-Commercial	63	meters		
Met. Station		Long Beach		

<b>HIA = [Q(lb/hr) * (X/Q)max] / Acute REL</b>	<b>HIA</b>	<b>HIC</b>
<b>HIC = [Q(ton/yr) * (X/Q) * MET * MP] / Chronic REL</b>		
Target Organs	Acute	Chronic
Cardiovascular or blood system		4.55E-05
Central or peripheral nervous system		
Gastrointestinal system and liver		
Immune system	1.47E-03	3.59E-03
Kidney		4.55E-05
Reproductive system	2.61E-04	
Respiratory system	1.39E-03	2.76E-03
Skin	1.39E-03	
Eye		4.55E-05
Endocrine system	8.05E-05	4.02E-03

### **RULES EVALUATION:**

CEQA: The CEQA Applicability Form (400-CEQA) indicates that the project does not have any impacts which trigger the preparation of a CEQA document. The expected impacts of the project on the environment are not significant, therefore a CEQA analysis is not required.

212: Public Notice is not required since emission increases from the project (ROG = 5.15 lb/day) are below threshold (30 lb/day). Tank has an MICR less than one in a million. There is no Cancer Burden. HIA and HIC are less than one. There is no school within 1000 feet.

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401: Visible emissions are not expected under normal operation from storage tanks.

402: Compliance records indicate that there are no N/C and NOV's for the past three years and the facility is expected to continue in compliance with the rule.

Rule 463 – Organic Liquid Storage, Amended May 6, 2005

463(c)(2): Internal floating roof tank consists of a steel pan floating roof, mechanical shoe primary seal (Category A) and A rim-mounted single wiper, secondary seal system (Category A). Both primary and secondary seals are independently attached, separate from each other. All openings and fittings shall be gasketed. The concentration of organic vapors in the vapor space cannot exceed 30% of LEL. Compliance is expected.

463(d)(1): This paragraph applies to tanks with capacity between 251 -19,815 gallons. It is not applicable since Tank 477 working capacity is 262,676 gallons

463(d)(2): This paragraph requires the roof to rest on the product at all time and that emptying and filling of product must be continuous such that the roof never rests on its leg except for cleaning. Normal tank operation will comply with this requirement.

463(d)(3): Not applicable since the HB does not operate a facility for treatment of wastewater used to refloat the tank roof as specified in this rule.

463(d)(4): This paragraph limits true vapor pressure to 11 psia or lower. Permit conditions for Tank 477 restrict contents to crude oils tanks with RVP of 3 or lower.

463(d)(5): Seals replacement. Not applicable. New Tank will have new category A seals.

463(e)(1): The applicant is required to submit an updated Rule 463 compliance plan before Tank 477 may be placed in service.

463(e)(2): The new tanks will have visible identification number.

463(e)(3): Inspection and notification requirements are required by permit conditions and addressed the facility's Rule 463 compliance plan. Tank 477 will be added to the compliance plan before it is placed in service.

463(e)(4): Maintenance requirement is effective upon completion of new tanks construction

463(e)(5): Reporting and Recordkeeping requirements are effective upon completion of new tanks construction

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Rule 1149 – Storage Tank Cleaning and Degassing, Amended May 2, 2008

VOC emissions during cleaning and degassing of Tank 477 are to be controlled by one of the control methods mentioned in this rule. Compliance is expected.

Rule 1173 – Fugitive Emissions of Volatile Organic Compounds, Amended Feb 6, 2009

Rule 1173 categorizes leak types and stipulates maintenance & reporting requirements for fugitive components. The applicant is required to include these new installed components as a result of this project into their existing 1173 inspection and maintenance program. HB will be required to provide an updated fugitive count when construction has been completed. Compliance is expected.

Rule 1178 – Further Reductions of VOC Emissions from Storage Tanks at Petroleum Facilities

Not applicable. The Chevron HB Facility has not reported emissions exceeding 40,000 pounds of VOC in year 2000 or any year thereafter.

REGULATION XIII – New Source Review

1303(a): BACT.

BACT for internal floating roof tanks is listed in the table below. BACT for internal floating roof tanks are Category A primary seal and secondary seals. The applicant has proposed to install a mechanical shoe primary seal and a rim-mounted wiper secondary seal system. BACT for fugitives is not triggered since fugitive emissions is less than one pound per day.

Current BACT for Storage Tanks

Equipment	VOC	NO <sub>x</sub>	SO <sub>x</sub>	CO	PM <sub>10</sub>
Internal Floating Roof	Category A Tank Seals and Comply with Rule 463 (10-20-2000)				

1303(b) Modeling: Not required for ROG.  
 Offsets: This project will have an emission increase of ROG equal to 5.15 lb/day/tank rounded to 5 lb/day x 1.2 = 6 lb/day from the Offset (in ERCs) amount of 6 lb/day are required

Sensitive Zone: HB will provide ERC from the Chevron Products Co. Refinery in El Segundo. Certificate No. AQ007778 for 7 pounds of VOC is being transferred to the HB ID 3630 account.

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Facility Compliance: This facility is in compliance with the rules and regulations of the District.

Major Polluting Facility: HB is no a major polluting facility.

Rule 1401 New Source Review of Toxic Air Contaminants

The maximum toxic constituents for each tank yield MICR values less than one in a million. HIA and HIC are each less than one. Compliance is expected.

40 CFR 60 Subpart Kb

These new internal floating roof tanks will be equipped with primary and secondary seals.

40 CFR 63 Subpart BBBBBB

These tanks will comply with the applicable requirements of this rule by complying with Kb and Rule 463.

Reg XXX The facility is subject to Reg XXX. However, since a Title V Permit has not been issued, EPA review of the proposed permit is not required.

**CONCLUSION:**

This project will meet all District Rules and Regulations. It is recommended that Permits to Construct be granted subject to the attached conditions. Applicant will be required to apply for a TV revision within 90 days of P/C issuance. Applicant will be required to apply for Rule 463 plan revision to include Tank 477.

**CONDITIONS:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]
2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. DURING ANY TIME WHEN THE TANK IS EMPTIED AFTER HAVING LAST CONTAINED A VOC WITH A REID VAPOR PRESSURE GREATER THAN 0.5 PSIA AND THE FLOATING ROOF WILL REST ON ROOF LEGS, THIS TANK SHALL MEET THE REQUIREMENTS REGARDING THE VENTING, DEGASSING, OR VAPOR TIGHT PROVISIONS OF RULE 1149 AS APPLICABLE.  
[RULE 1149]
4. THIS TANK SHALL BE EMPTIED AND REFILLED ACCORDING TO THE REQUIREMENTS OF RULE 1149 AND RULE 463.  
[RULE 463, RULE 1149, RULE 1303(a)(1)-BACT]

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5. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION BEING MONITORED, AS INDICATED BELOW, DOES NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT (LEL). AN EXPLOSIMETER SHALL BE USED TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE PER YEAR AT A 4 TO 8 MONTHS INTERVAL. ADEQUATE RECORDS SHALL BE KEPT TO SHOW COMPLIANCE WITH THIS CONDITION.

[RULE 463]

6. THE OPERATOR SHALL LIMIT THE USE AND THROUGHPUT TO NO MORE THAN THE 121,956 BARRELS PER CALENDAR MONTH WITH CRUDE OIL NOT TO EXCEED A REID VAPOR PRESSURE OF 3 PSIA.

THE OPERATOR SHALL COMPLY WITH THE FOLLOWING THROUGHPUT MEASUREMENT PRACTICES:

THE OPERATOR SHALL CALCULATE THE THROUGHPUT, IN BARRELS, BY THE FOLLOWING EQUATION:  $0.14 \times D \times D \times L$ , WHERE "D" IS THE DIAMETER OF THE TANK IN FEET BASED ON THE TANK STRAPPING CHART AND "L" IS THE TOTAL VERTICAL ONE-WAY ROOF TRAVEL IN FEET PER MONTH.

THE OPERATOR SHALL INSTALL AND MAINTAIN AN AUTOMATIC TANK LEVEL GAUGE (ATLG) AND RECORDER TO CONTINUOUSLY RECORD THE VERTICAL MOVEMENT OF THE ROOF. FOR THE PURPOSE OF THIS CONDITION, CONTINUOUS RECORDING IS DEFINED AS ONCE PER HOUR.

THE OPERATOR SHALL CALCULATE THE TOTAL ONE-WAY ROOF MOVEMENT, IN FEET, ON A DAILY AND MONTHLY BASIS.

THE ATLG INSTALLED SHALL BE VERIFIED ONCE PER QUARTER BY COMPARING AGAINST A MANUAL TANK LEVEL MEASUREMENT. IF THE ATLG DIFFERS FROM THE MANUAL TANK LEVEL MEASUREMENT BY MORE THAN 1.0 INCH OR 0.8%, WHICHEVER IS GREATER.

IN THE EVENT OF A FAILURE OR ROUTINE MAINTENANCE OF THE ATLG, THE ATLG SHALL BE REPAIRED (IF NECESSARY) AND PUT BACK INTO SERVICE WITHIN 10 DAYS OF THE TIME THAT THE ATLG FAILED OR WAS REMOVED FROM SERVICE FOR MAINTENANCE. WHILE THE ATLG IS BEING REPAIRED OR MAINTAINED, THE THROUGHPUT SHALL BE DETERMINED BY THE SMITH MODEL F4-S1, 4 INCH POSITIVE DISPLACEMENT METER (OR EQUIVALENT) INSTALLED ON THE TANK OUTLET.

[RULE 1303(b)(2)-OFFSET, RULE 1401]

7. REFILLING OR DEGASSING OPERATIONS OR OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ITS LEGS SHALL BE RECORDED AND MAINTAINED FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO THE DISTRICT UPON REQUEST. SUCH RECORDS SHALL INCLUDE, BUT NOT BE LIMITED TO, THE TANK IDENTIFICATION AND TIME OF START AND FINISH OF OPERATION BEFORE AND AFTER THE OPERATION.

[RULE 1149]

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8. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO SHOW COMPLIANCE WITH THE LIMITATIONS SPECIFIED IN THIS PERMIT. SUCH RECORDS SHALL BE MAINTAINED AND KEPT ON FILE FOR AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.  
[RULE 463, RULE 1149, RULE 1303(b)(2)-OFFSET, RULE 1401, 40 CFR 60 SUBPART Kb, 40 CFR 63 SUBPART BBBBBB]
9. THE OPERATOR SHALL PROVIDE TO THE DISTRICT, NO LATER THAN 60 DAYS AFTER INITIAL STARTUP, A RECALCULATION OF THE FUGITIVE EMISSIONS BASED ON ACTUAL COMPONENTS INSTALLED AND REMOVED FROM SERVICE. THE OPERATOR SHALL ALSO PROVIDE COMPLETE, AS BUILT, PIPING AND INSTRUMENTATION DIAGRAM(S) AND COPIES OF REQUISITION DATA SHEETS FOR ALL NON-LEAKLESS VALVES WITH A LISTING OF TAG NUMBERS.  
[RULE 1303(b)(2)-OFFSET]
10. ALL NEW VALVES AND MAJOR COMPONENTS IN VOC SERVICE AS DEFINED BY RULE 1173, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173 SHALL BE DISTINCTLY IDENTIFIED FROM OTHER COMPONENTS THROUGH THEIR TAG NUMBERS (E.G., NUMBERS ENDING IN THE LETTER "N"), AND SHALL BE NOTED IN THE RECORDS.  
[RULE 1173, 1303(a)(1)-BACT]
11. ALL NEW COMPONENTS IN VOC SERVICE AS DEFINED IN RULE 1173, EXCEPT VALVES AND FLANGES, SHALL BE INSPECTED QUARTERLY USING EPA REFERENCE METHOD 21. ALL NEW VALVES AND FLANGES IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE INSPECTED MONTHLY USING EPA METHOD 21.  
[RULE 1173]
12. IF 98.0 PERCENT OR GREATER OF THE NEW (NON-LEAKLESS TYPE) VALVES AND THE NEW FLANGE POPULATION INSPECTED IS FOUND TO LEAK GASEOUS OR LIQUID VOLATILE ORGANIC COMPOUNDS AT A RATE LESS THAN 200 PPMV FOR TWO CONSECUTIVE MONTHS, THEN THE OPERATOR MAY CHANGE TO A QUARTERLY INSPECTION PROGRAM WITH THE APPROVAL OF THE DISTRICT.  
[RULE 1173, 1303(a)(1)-BACT EXEMPTION, 1303(b)(2)-OFFSET]
13. ALL NEW COMPONENTS IN VOC SERVICE WITH A LEAK GREATER THAN 200 PPMV BUT LESS THAN 1,000 PPMV, AS METHANE, MEASURED ABOVE BACKGROUND USING EPA METHOD 21 SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION. COMPONENTS SHALL BE DEFINED AS ANY VALVE, FITTING, PUMP, COMPRESSOR, PRESSURE RELIEF VALVE DEVICE, DIAPHRAGM, HATCH, SIGHT-GLASS, AND METER, WHICH ARE NOT EXEMPTED BY RULE 1173.  
[RULE 1173, 1303(a)(1)-BACT EXEMPTION, 1303(b)(2)-OFFSET]
14. THE OPERATOR SHALL KEEP RECORDS OF THE MONTHLY INSPECTION (QUARTERLY WHERE APPLICABLE), SUBSEQUENT REPAIR, AND RE-INSPECTION, IN A MANNER APPROVED BY THE DISTRICT. RECORDS SHALL BE KEPT AND MAINTAINED FOR AT LEAST TWO YEARS, AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.  
[RULE 1173]

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15. FINAL DRAWINGS AND/ OR SPECIFICATIONS OF THIS EQUIPMENT INSTALLED/ CONSTRUCTED SHALL BE SUBMITTED TO THE DISTRICT WITHIN 60 DAYS PRIOR TO THE OPERATION OF THE EQUIPMENT. THIS SUBMISSION SHALL ALSO INCLUDE FINAL INSTALLED FUGITIVE COMPONENT COUNTS.  
[RULE 1173, 1303(b)(2)-OFFSET]
16. PRIOR TO PLACING TANK 477 IN SERVICE, APPLICANT SHALL SUBMIT A RULE 463 PLAN MODIFICATION APPLICATION TO INCLUDE TANK 477.  
[RULE 204, RULE 463]
17. THE APPLICANT SHALL SUBMIT AN APPLICATION FOR A TITLE V PERMIT REVISION TO INCLUDE THE PERMIT TO CONSTRUCT ISSUED UNDER APPLICATION NO. 478611 FOR TANK 477.  
[RULE 3003(a)(5)]

**PERIODIC MONITORING: NONE**

**EMISSIONS AND REQUIREMENTS:**

18. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
  - VOC: RULE 463
  - VOC: RULE 1149
  - VOC: RULE 1173
  - VOC: 40 CFR 60 SUBPART KB
  - HAP/TOC: 40 CFR 63 SUBPART BBBBBB

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**EVALUATION REPORT FOR PERMIT TO CONSTRUCT**

**APPLICANT'S NAME:**  
CHEVRON USA, INC.

**ID NO.:** 800302  
SUB ID NO. 3630

**MAILING ADDRESS**  
17881 GOTHARD STREET  
HUNTINGTON BEACH, CA 92647

**CONTACT:** PAUL COON  
TERMINAL MGR

**EQUIPMENT ADDRESS**  
SAME

Application No. 502610

**EQUIPMENT DESCRIPTION:**  
STORAGE TANK NO. 477, CRUDE OIL, INTERNAL FLOATING ROOF, 35'DIA x 40'H, 6254 BBL WORKING CAPACITY, WELDED INTERNAL FLOATING ROOF WITH A MECHANICAL SHOE TYPE PRIMARY SEAL AND A RIM MOUNTED, WIPER TYPE SECONDARY SEAL.

**BACKGROUND:**

This application was filed to modify the permit to construct Storage Tank No. 477 (AN478611) by increasing the vapor pressure and throughput limits of the tank storage product (crude oil). The application was submitted for expedited processing on Oct. 6, 2009. The application was assigned to this engineer for processing on Oct. 9, and deemed complete on Oct. 13, 2009. The Chevron HB Terminal is a TV facility and this PC modification will be incorporated in the TV Permit which will then require an EPA 45 day review. AN 501915 for TV Permit revision has been filed to incorporate the PC in the Facility TV Permit.

Application No. 501915

**BACKGROUND:**

Application No. 501915 was filed to incorporate the Permit to Construct Crude Oil Storage Tank No. 477, issued for AN478611 (Granted May 6, 2009) in Section H of the Facility TV Permit. The Permit to Construct (AN478911) was issued as a command and control Permit with a condition requiring an application for revision of the TV Permit to be submitted within 90 days of PC issuance. Subsequent to issuance of the PC (AN478611), the operator submitted AN 503610 to modify throughput and vapor pressure conditions on the original PC. Therefore the PC for AN478611 the modification PC AN502610 will be incorporated in the TV Section H modification AN501915).

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**CALCULATIONS:**

After the original PC was issued, the operator was advised that Crude Oil that may be stored in Tank 477 could exceed the current Vapor Pressure limit of RVP 3. The applicant had submitted an offset certificate for 7 pounds of VOC emissions. 6 pounds of VOC were required to offset emissions calculated using the throughput and RVP limits requested in the original application, leaving a Facility balance of 1 pound VOC available. The applicant has requested that the RVP limit be increased to 6 and the T/P limit adjusted such that the resulting emission increase be limited to less than 1 pound per day of VOC.

ORIGINAL (AN 478611) RVP-3, Throughput - 234 turnovers/yr

Tank Emissions

Assumptions:

- Tank 477 working capacity: 262,000 gallons or 6254 BBL (35' dia x 36.5' working ht.)
- Max annual throughput: 4000 BBL/day requested by applicant ~234 (requested by applicant) Turnovers/year or ~61,466,184 gal/yr.
- Maximum vapor pressure: 3 RVP (true vapor pressure = 1.6psia @ 60°F) (requested by applicant)

Period	Proposed Throughput (gal)	RVP	Maximum Operating Potential to Emit ROG (lb.) <sup>1</sup>
Annual	61,308,000	3	1795.1
Jan.	5,122,182	3	148.6
Feb.	5,122,182	3	148.8
March	5,122,182	3	149.0
April	5,122,182	3	149.4
May	5,122,182	3	149.8
June	5,122,182	3	150.1
July	5,122,182	3	150.7
August	5,122,182	3	150.8
Sept.	5,122,182	3	150.4
Oct.	5,122,182	3	149.9
Nov.	5,122,182	3	149.1
Dec.	5,122,182	3	148.6

1. Calculated by applicant using EPA Tank 4.09b program

2. Based on 30 day average

**CURRENT APPLICATION (AN502610)**

The Applicant has requested:

- increase in RVP from RVP 3 to RVP 6
- maximum T/P that keeps required VOC offsets to < 1 lb/day

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Offsets are calculated by taking the highest monthly emissions as calculated by the EPA Tanks 4.09d program dividing by 30 to get daily emissions, adding in the avg. daily fugitive emissions, then multiplying that total by 1.2 and rounding to the nearest whole number.

The maximum Tank VOC emission rate allowable to keep the offset requirement below 7 pounds (6 lb from the original VP & T/P + 1lb from the increased VP & T/P) =

$$(7.49 - 0.133(\text{avg. daily fugitive emiss from AN478611})) / 1.2 = 6.13$$

By iteration using the Tanks program

Maximum allowable T/P = 255 Turnovers @ RVP 6

Tank Emissions Current Application

Assumptions:

- Tank 477 working capacity: 262,000 gallons or 6254 BBL (35' dia x 36.5' working ht.)
- Max annual throughput: 4369 BBL/day requested by applicant ~255 Turnovers/year or ~66,810,000 gal/yr.  
(requested by applicant)
- Maximum vapor pressure: 6 RVP  
(requested by applicant)

Period	Proposed Throughput (gal)	RVP	Maximum Operating Potential to Emit ROG (lb.) <sup>1</sup>
Annual	66,982,380	6	1795.1
Jan.	5,581,865	6	176.9
Feb.	5,581,865	6	177.4
March	5,581,865	6	178.0
April	5,581,865	6	179.1
May	5,581,865	6	180.0
June	5,581,865	6	181.0
July	5,581,865	6	182.5
August	5,581,865	6	<b>182.7<sup>2</sup></b>
Sept.	5,581,865	6	182.0
Oct.	5,581,865	6	180.3
Nov.	5,581,865	6	178.3
Dec.	5,581,865	6	176.9

1. Calculated by applicant using EPA Tank 4.09b program, rounded to nearest 0.1 lb.

2. Highest month

Daily Tank Emissions based on Highest month (August) emissions

$$R1 = R2 = 182.7 \text{ lb/mo}/30 \text{ days} \approx 6.09 \text{ lb/day}$$

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Fugitive Emissions (from AN478611 – no change in fugitive component estimates)

Component	Service	No.	Factor (lb/yr)	Total (lb/yr)	
Valves	Heavy Liquid	7	3	21	
Flanges	All	18	1.5	27	

Fugitive Emissions Total = 48 lb/yr

$R1_{FE} = R2_{FE} = 48 \text{ lb/yr} / 12 \text{ mo/yr} / 30 \text{ days/mo} = .133 \text{ lb/day}$

### MAXIMUM ROG Emissions

**R1 = R2** = 6.09 (highest mo. daily tank emiss) + .133 (avg fugitive emiss)  
 = 6.223 lb/day  
 ≈ **0.26 lb/hr**

### ERC Determination

The highest monthly emission calculated by the EPA Tank 4.09b program (August @ 150.8lb) divided by 30 ≈ 6.09 lb/day plus the fugitive emissions ≈ 0.133 lb/day ≈ 6.223 lb/day

**The required offset = 6.223 lb/day x 1.2 ≈ 7.47 lb/day Rounded to nearest lb = 7 lb/day.**

### HEALTH RISK ASSESSMENT

Emissions used to calculate health risk are taken from the EPA Tanks program Crude Oil profile. This profile represents average content of toxic air contaminants typically found in Crude Oil.

### Summary of Air Toxics Emissions from EPA Tank 4.09b Spreadsheet

Toxic Compound	Annual Emissions <sup>1</sup> (lb/yr)	Avg Emissions (lb/hr)
Benzene	13.68	1.56E-03
Ethyl benzene	7.50	8.56E-04
Hexane (n-)	10.24	1.17E-03
Toluene	19.60	2.24E-03
Xylenes	26.14	2.98E-03

1. Based on maximum throughput of 255 turnovers/year.

### MICR and HAZARD INDEX by Tier 2 (See Risk Spreadsheets, Attached)

Basis:

- Emissions from domed external floating roof tank are best modeled in Tier 3 by a volume source calculation modified such that the source height is the top of the tank.
- The tanks VOC emissions are calculated by the EPA 4.0.9b Tanks program.
- Air Toxics are calculated from crude oil toxics fractions in the Tanks program.
- Emissions are assumed to be distributed evenly over 24 hours per day, 365 days per year.
- The MICR (commercial and residential) is calculated by spreadsheet using the updated risk program. (Tier 3 emission concentrations were unchanged and imported from AN478611 evaluation.)

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- Distances to receptors provided by applicant.
- The results of the RISK Spreadsheet calculations of are summarized in the following tables:

MICR

Carcinogen	Emission Rate (lb/hr)	MICR	
		Sensitive/Residential	Worker/Commercial
Benzene	0.00156	4.17E-08	5.12E-08
Ethylbenzene	0.000856	3.98E-08	4.89E-08
<b>Totals</b>	<b>n/a</b>	<b>8.16E-08</b>	<b>1.00E-07</b>

**HIA & HIC**

HIA and HIC are calculated by spreadsheet using Tier 2 methods

VARIABLES			Cancer Burden	no
Hour/Day	24	hr/day		
Day/Week	7	day/wk	X/Q for one-in-a-million:	
Week/Year	52	wk/yr	Distance (meter)	
Units	lb/hr	lb/hr or ppm	Area (km2):	
Exhaust Flow Rate	N/A	scfm	Population:	
Control Efficiency	0	%	<b>Cancer Burden:</b>	
Point Source?	V	p or v	No cancer burden, MICR < 1 in 1 million	
Stack Height	40	feet		
Area	962	sq. ft.		
Distance-Residential	385	meters		
Distance-Commercial	63	meters		
Met. Station		Long Beach		

HIA = [Q(lb/hr) * (X/Q)max] / Acute REL	HIA	HIC
HIC = [Q(ton/yr) * (X/Q) * MET * MP] / Chronic REL		
Target Organs	Acute	Chronic
Cardiovascular or blood system		4.96E-05
Central or peripheral nervous system		
Gastrointestinal system and liver		
Immune system	7.42E-05	2.44E-04
Kidney		4.96E-05
Reproductive system	1.42E-05	
Respiratory system	6.98E-05	1.51E-04
Skin	6.98E-05	
Eye		4.96E-05
Endocrine system	4.40E-06	2.38E-04

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**RULES EVALUATION:**

CEQA: The CEQA Applicability Form (400-CEQA) indicates that the project does not have any impacts which trigger the preparation of a CEQA document. The expected impacts of the project on the environment are not significant, therefore a CEQA analysis is not required.

212: Public Notice is not required since emission increases from the project (ROG = 6.22 lb/day) are below threshold (30 lb/day). Tank has an MICR less than one in a million. There is no Cancer Burden. HIA and HIC are less than one. There is no school within 1000 feet.

401: Visible emissions are not expected under normal operation from storage tanks.

402: Compliance records indicate that there are no N/C and NOV's for the past three years and the facility is expected to continue in compliance with the rule.

Rule 463 – Organic Liquid Storage, Amended May 6, 2005

463(c)(2): Internal floating roof tank consists of a steel pan floating roof, mechanical shoe primary seal (Category A) and A rim-mounted single wiper, secondary seal system (Category A). Both primary and secondary seals are independently attached, separate from each other. All openings and fittings shall be gasketed. The concentration of organic vapors in the vapor space cannot exceed 30% of LEL. Compliance is expected.

463(d)(1): This paragraph applies to tanks with capacity between 251 -19,815 gallons. It is not applicable since Tank 477 working capacity is 262,676 gallons

463(d)(2): This paragraph requires the roof to rest on the product at all time and that emptying and filling of product must be continuous such that the roof never rests on its leg except for cleaning. Normal tank operation will comply with this requirement.

463(d)(3): Not applicable since the HB does not operate a facility for treatment of wastewater used to refloat the tank roof as specified in this rule.

463(d)(4): This paragraph limits true vapor pressure to 11psia or lower. Permit conditions for Tank 477 restrict contents to crude oils tanks with RVP of 3 or lower.

463(d)(5): Seals replacement. Not applicable. New Tank will have new category A seals.

463(e)(1): The applicant is required to submit an updated Rule 463 compliance plan before Tank 477 may be placed in service.

463(e)(2): The new tanks will have visible identification number.

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463(e)(3): Inspection and notification requirements are required by permit conditions and addressed the facility's Rule 463 compliance plan. Tank 477 will be added to the compliance plan before it is placed in service.

463(e)(4): Maintenance requirement is effective upon completion of new tanks construction

463(e)(5): Reporting and Recordkeeping requirements are effective upon completion of new tanks construction

Rule 1149 – Storage Tank Cleaning and Degassing, Amended May 2, 2008

VOC emissions during cleaning and degassing of Tank 477 are to be controlled by one of the control methods mentioned in this rule. Compliance is expected.

Rule 1173 – Fugitive Emissions of Volatile Organic Compounds, Amended Feb 6, 2009

Rule 1173 categorizes leak types and stipulates maintenance & reporting requirements for fugitive components. The applicant is required to include these new installed components as a result of this project into their existing 1173 inspection and maintenance program. HB will be required to provide an updated fugitive count when construction has been completed. Compliance is expected.

Rule 1178 – Further Reductions of VOC Emissions from Storage Tanks at Petroleum Facilities

Not applicable. The Chevron HB Facility has not reported emissions exceeding 40,000 pounds of VOC in year 2000 or any year thereafter.

REGULATION XIII – New Source Review

1303(a): BACT.

BACT for internal floating roof tanks is listed in the table below. BACT for internal floating roof tanks are Category A primary seal and secondary seals. The applicant has proposed to install a mechanical shoe primary seal and a rim-mounted wiper secondary seal system. BACT for fugitives is not triggered since fugitive emissions is less than one pound per day.

Current BACT for Storage Tanks

Equipment	VOC	NO <sub>x</sub>	SO <sub>x</sub>	CO	PM <sub>10</sub>
Internal Floating Roof	Category A Tank Seals and Comply with Rule 463 (10-20-2000)				

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1303(b) Modeling: Not required for ROG.  
Offsets: This modification will increase of ROG emissions by 1.223 lb/day/tank x 1.2 = 1.47 lb/day. Rounded to 1 lb/day of offset ERC's required.

Sensitive Zone: Chevron Products Co. Refinery in El Segundo has transferred Certificate No. AQ007778 for 7 lb VOC to the HB Terminal Account. 6 lbs of ERCs were used for AN478611 leaving 1 pound to offset emissions due to the requested modifications. There are sufficient ERCs to offset the emission increase.

Facility Compliance: This facility is in compliance with the rules and regulations of the District.

Major Polluting Facility: HB is not a major polluting facility.

Rule 1401 New Source Review of Toxic Air Contaminants

The maximum toxic constituents for each tank yield MICR values less than one in a million. HIA and HIC are each less than one. Compliance is expected.

40 CFR 60 Subpart Kb

These new internal floating roof tanks will be equipped with primary and secondary seals.

40 CFR 63 Subpart BBBBBB

These tanks will comply with the applicable requirements of this rule by complying with Kb and Rule 463.

Reg XXX The facility is subject to Reg XXX. A Title V Permit Revision is required and is subject to 45 day EPA Review. The applicant has filed AN501915 for Title V Permit revision. AN501915 will be used to incorporate AN478611 and AN502610 in Revision 1 of Section H of the TV permit.

**CONCLUSION:**

This project will meet all District Rules and Regulations. It is recommended that a Permit to Construct be granted subject to the attached conditions. Applicant will be required to apply for Rule 463 plan revision to include Tank 477.

**CONDITIONS:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
[RULE 204]

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2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. DURING ANY TIME WHEN THE TANK IS EMPTIED AFTER HAVING LAST CONTAINED A VOC WITH A REID VAPOR PRESSURE GREATER THAN 0.5 PSIA AND THE FLOATING ROOF WILL REST ON ROOF LEGS, THIS TANK SHALL MEET THE REQUIREMENTS REGARDING THE VENTING, DEGASSING, OR VAPOR TIGHT PROVISIONS OF RULE 1149 AS APPLICABLE.  
[RULE 1149]
4. THIS TANK SHALL BE EMPTIED AND REFILLED ACCORDING TO THE REQUIREMENTS OF RULE 1149 AND RULE 463.  
[RULE 463, RULE 1149, RULE 1303(a)(1)-BACT]
5. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION BEING MONITORED, AS INDICATED BELOW, DOES NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT (LEL). AN EXPLOSIMETER SHALL BE USED TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE PER YEAR AT A 4 TO 8 MONTHS INTERVAL. ADEQUATE RECORDS SHALL BE KEPT TO SHOW COMPLIANCE WITH THIS CONDITION.  
[RULE 463]
6. THE OPERATOR SHALL LIMIT THE USE AND THROUGHPUT TO NO MORE THAN THE 132,898 BARRELS PER CALENDAR MONTH WITH CRUDE OIL NOT TO EXCEED A REID VAPOR PRESSURE OF 6 PSIA.

THE OPERATOR SHALL COMPLY WITH THE FOLLOWING THROUGHPUT MEASUREMENT PRACTICES:

THE OPERATOR SHALL CALCULATE THE THROUGHPUT, IN BARRELS, BY THE FOLLOWING EQUATION:  $0.14 \times D \times D \times L$ , WHERE "D" IS THE DIAMETER OF THE TANK IN FEET BASED ON THE TANK STRAPPING CHART AND "L" IS THE TOTAL VERTICAL ONE-WAY ROOF TRAVEL IN FEET PER MONTH.

THE OPERATOR SHALL INSTALL AND MAINTAIN AN AUTOMATIC TANK LEVEL GAUGE (ATLG) AND RECORDER TO CONTINUOUSLY RECORD THE VERTICAL MOVEMENT OF THE ROOF. FOR THE PURPOSE OF THIS CONDITION, CONTINUOUS RECORDING IS DEFINED AS ONCE PER HOUR.

THE OPERATOR SHALL CALCULATE THE TOTAL ONE-WAY ROOF MOVEMENT, IN FEET, ON A DAILY AND MONTHLY BASIS.

THE ATLG INSTALLED SHALL BE VERIFIED ONCE PER QUARTER BY COMPARING AGAINST A MANUAL TANK LEVEL MEASUREMENT. IF THE ATLG DIFFERS FROM THE MANUAL TANK LEVEL MEASUREMENT BY MORE THAN 1.0 INCH OR 0.8%, WHICHEVER IS GREATER.

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.IN THE EVENT OF A FAILURE OR ROUTINE MAINTENANCE OF THE ATLG, THE ATLG SHALL BE REPAIRED (IF NECESSARY) AND PUT BACK INTO SERVICE WITHIN 10 DAYS OF THE TIME THAT THE ATLG FAILED OR WAS REMOVED FROM SERVICE FOR MAINTENANCE. WHILE THE ATLG IS BEING REPAIRED OR MAINTAINED, THE THROUGHPUT SHALL BE DETERMINED BY THE SMITH MODEL F4-S1, 4 INCH POSITIVE DISPLACEMENT METER (OR EQUIVALENT) INSTALLED ON THE TANK OUTLET.

[RULE 1303(b)(2)-OFFSET, RULE 1401]

7. REFILLING OR DEGASSING OPERATIONS OR OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ITS LEGS SHALL BE RECORDED AND MAINTAINED FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO THE DISTRICT UPON REQUEST. SUCH RECORDS SHALL INCLUDE, BUT NOT BE LIMITED TO, THE TANK IDENTIFICATION AND TIME OF START AND FINISH OF OPERATION BEFORE AND AFTER THE OPERATION.  
[RULE 1149]
8. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO SHOW COMPLIANCE WITH THE LIMITATIONS SPECIFIED IN THIS PERMIT. SUCH RECORDS SHALL BE MAINTAINED AND KEPT ON FILE FOR AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.  
[RULE 463, RULE 1149, RULE 1303(b)(2)-OFFSET, RULE 1401, 40 CFR 60 SUBPART Kb, 40 CFR 63 SUBPART BBBBBB]
9. THE OPERATOR SHALL PROVIDE TO THE DISTRICT, NO LATER THAN 60 DAYS AFTER INITIAL STARTUP, A RECALCULATION OF THE FUGITIVE EMISSIONS BASED ON ACTUAL COMPONENTS INSTALLED AND REMOVED FROM SERVICE. THE OPERATOR SHALL ALSO PROVIDE COMPLETE, AS BUILT, PIPING AND INSTRUMENTATION DIAGRAM(S) AND COPIES OF REQUISITION DATA SHEETS FOR ALL NON-LEAKLESS VALVES WITH A LISTING OF TAG NUMBERS.  
[RULE 1303(b)(2)-OFFSET]
10. ALL NEW VALVES AND MAJOR COMPONENTS IN VOC SERVICE AS DEFINED BY RULE 1173, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173 SHALL BE DISTINCTLY IDENTIFIED FROM OTHER COMPONENTS THROUGH THEIR TAG NUMBERS (E.G., NUMBERS ENDING IN THE LETTER "N"), AND SHALL BE NOTED IN THE RECORDS.  
[RULE 1173, 1303(a)(1)-BACT]
11. ALL NEW COMPONENTS IN VOC SERVICE AS DEFINED IN RULE 1173, EXCEPT VALVES AND FLANGES, SHALL BE INSPECTED QUARTERLY USING EPA REFERENCE METHOD 21. ALL NEW VALVES AND FLANGES IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE INSPECTED MONTHLY USING EPA METHOD 21.  
[RULE 1173]
12. IF 98.0 PERCENT OR GREATER OF THE NEW (NON-LEAKLESS TYPE) VALVES AND THE NEW FLANGE POPULATION INSPECTED IS FOUND TO LEAK GASEOUS OR LIQUID VOLATILE ORGANIC COMPOUNDS AT A RATE LESS THAN 200 PPMV FOR TWO CONSECUTIVE MONTHS, THEN THE OPERATOR MAY CHANGE TO A QUARTERLY INSPECTION PROGRAM WITH THE APPROVAL OF THE DISTRICT.  
[RULE 1173, 1303(a)(1)-BACT EXEMPTION, 1303(b)(2)-OFFSET]

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13. ALL NEW COMPONENTS IN VOC SERVICE WITH A LEAK GREATER THAN 200 PPMV BUT LESS THAN 1,000 PPMV, AS METHANE, MEASURED ABOVE BACKGROUND USING EPA METHOD 21 SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION. COMPONENTS SHALL BE DEFINED AS ANY VALVE, FITTING, PUMP, COMPRESSOR, PRESSURE RELIEF VALVE DEVICE, DIAPHRAGM, HATCH, SIGHT-GLASS, AND METER, WHICH ARE NOT EXEMPTED BY RULE 1173.  
[RULE 1173, 1303(a)(1)-BACT EXEMPTION, 1303(b)(2)-OFFSET]
14. THE OPERATOR SHALL KEEP RECORDS OF THE MONTHLY INSPECTION (QUARTERLY WHERE APPLICABLE), SUBSEQUENT REPAIR, AND RE-INSPECTION, IN A MANNER APPROVED BY THE DISTRICT. RECORDS SHALL BE KEPT AND MAINTAINED FOR AT LEAST TWO YEARS, AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.  
[RULE 1173]
15. FINAL DRAWINGS AND/ OR SPECIFICATIONS OF THIS EQUIPMENT INSTALLED/ CONSTRUCTED SHALL BE SUBMITTED TO THE DISTRICT WITHIN 60 DAYS PRIOR TO THE OPERATION OF THE EQUIPMENT. THIS SUBMISSION SHALL ALSO INCLUDE FINAL INSTALLED FUGITIVE COMPONENT COUNTS.  
[RULE 1173, 1303(b)(2)-OFFSET]
16. PRIOR TO PLACING TANK 477 IN SERVICE, APPLICANT SHALL SUBMIT A RULE 463 PLAN MODIFICATION APPLICATION TO INCLUDE TANK 477.  
[RULE 204, RULE 463]

**PERIODIC MONITORING: NONE**

**EMISSIONS AND REQUIREMENTS:**

17. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
  - VOC: RULE 463
  - VOC: RULE 1149
  - VOC: RULE 1173
  - VOC: 40 CFR 60 SUBPART KB
  - HAP/TOC: 40 CFR 63 SUBPART BBBBBB

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**EVALUATION REPORT FOR PERMIT TO CONSTRUCT**

**APPLICANT'S NAME:**  
CHEVRON USA, INC.

**ID NO.:** 800302  
SUB ID NO. 3630

**MAILING ADDRESS**  
17881 GOTHARD STREET  
HUNTINGTON BEACH, CA 92647

**CONTACT:** PAUL COON  
TERMINAL MGR

**EQUIPMENT ADDRESS**  
SAME

Application No. 502610

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**BACKGROUND:**

This application was filed to modify the permit to construct Storage Tank No. 477 (AN478611) by increasing the vapor pressure and throughput limits of the tank storage product (crude oil). The application was submitted for expedited processing on Oct. 6, 2009. The application was assigned to this engineer for processing on Oct. 9, and deemed complete on Oct. 13, 2009. The Chevron HB Terminal is a TV facility and this PC modification will be incorporated in the TV Permit which will then require an EPA 45 day review. AN 501915 for TV Permit revision has been filed to incorporate the PC in the Facility TV Permit.

Application No. 501915

**BACKGROUND:**

Application No. 501915 was filed to incorporate the Permit to Construct Crude Oil Storage Tank No. 477, issued for AN478611 (Granted May 6, 2009) in Section H of the Facility TV Permit. The Permit to Construct (AN478911) was issued as a command and control Permit with a condition requiring an application for revision of the TV Permit to be submitted within 90 days of PC issuance. Subsequent to issuance of the PC (AN478611), the operator submitted AN 503610 to modify throughput and vapor pressure conditions on the original PC. Therefore the PC for AN478611 the modification PC AN502610 will be incorporated in the TV Section H modification AN501915).

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**CALCULATIONS:**

After the original PC was issued, the operator was advised that Crude Oil that may be stored in Tank 477 could exceed the current Vapor Pressure limit of RVP 3. The applicant had submitted an offset certificate for 7 pounds of VOC emissions. 6 pounds of VOC were required to offset emissions calculated using the throughput and RVP limits requested in the original application, leaving a Facility balance of 1 pound VOC available. The applicant has requested that the RVP limit be increased to 6 and the T/P limit adjusted such that the resulting emission increase be limited to less than 1 pound per day of VOC.

ORIGINAL (AN 478611) RVP-3, Throughput - 234 turnovers/yr

Tank Emissions

Assumptions:

- Tank 477 working capacity: 262,000 gallons or 6254 BBL (35' dia x 36.5' working ht.)
- Max annual throughput: 4000 BBL/day requested by applicant ~234 (requested by applicant) Turnovers/year or ~61,466,184 gal/yr.
- Maximum vapor pressure: 3 RVP (true vapor pressure = 1.6psia @ 60°F) (requested by applicant)

Period	Proposed Throughput (gal)	RVP	Maximum Operating Potential to Emit ROG (lb.) <sup>1</sup>
Annual	61,308,000	3	1795.1
Jan.	5,122,182	3	148.6
Feb.	5,122,182	3	148.8
March	5,122,182	3	149.0
April	5,122,182	3	149.4
May	5,122,182	3	149.8
June	5,122,182	3	150.1
July	5,122,182	3	150.7
August	5,122,182	3	150.8
Sept.	5,122,182	3	150.4
Oct.	5,122,182	3	149.9
Nov.	5,122,182	3	149.1
Dec.	5,122,182	3	148.6

1. Calculated by applicant using EPA Tank 4.09b program

2. Based on 30 day average

**CURRENT APPLICATION (AN502610)**

The Applicant has requested:

- increase in RVP from RVP 3 to RVP 6
- maximum T/P that keeps required VOC offsets to < 1 lb/day

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Offsets are calculated by taking the highest monthly emissions as calculated by the EPA Tanks 4.09d program dividing by 30 to get daily emissions, adding in the avg. daily fugitive emissions, then multiplying that total by 1.2 and rounding to the nearest whole number.

The maximum Tank VOC emission rate allowable to keep the offset requirement below 7 pounds (6 lb from the original VP & T/P + 1lb from the increased VP & T/P) =

$$(7.49 - 0.133(\text{avg. daily fugitive emiss from AN478611})) / 1.2 = 6.13$$

By iteration using the Tanks program

Maximum allowable T/P = 255 Turnovers @ RVP 6

Tank Emissions Current Application

Assumptions:

- Tank 477 working capacity: 262,000 gallons or 6254 BBL (35' dia x 36.5' working ht.)
- Max annual throughput: 4369 BBL/day requested by applicant ~255 Turnovers/year or ~66,810,000 gal/yr.  
(requested by applicant)
- Maximum vapor pressure: 6 RVP  
(requested by applicant)

Period	Proposed Throughput (gal)	RVP	Maximum Operating Potential to Emit ROG (lb.) <sup>1</sup>
Annual	66,982,380	6	1795.1
Jan.	5,581,865	6	176.9
Feb.	5,581,865	6	177.4
March	5,581,865	6	178.0
April	5,581,865	6	179.1
May	5,581,865	6	180.0
June	5,581,865	6	181.0
July	5,581,865	6	182.5
August	5,581,865	6	<b>182.7<sup>2</sup></b>
Sept.	5,581,865	6	182.0
Oct.	5,581,865	6	180.3
Nov.	5,581,865	6	178.3
Dec.	5,581,865	6	176.9

1. Calculated by applicant using EPA Tank 4.09b program, rounded to nearest 0.1lb.

2. Highest month

Daily Tank Emissions based on Highest month (August) emissions

$$R1 = R2 = 182.7 \text{ lb/mo}/30 \text{ days} \approx 6.09 \text{ lb/day}$$

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Fugitive Emissions (from AN478611 – no change in fugitive component estimates)

Component	Service	No.	Factor (lb/yr)	Total (lb/yr)	
Valves	Heavy Liquid	7	3	21	
Flanges	All	18	1.5	27	

Fugitive Emissions Total = 48 lb/yr

$$R1_{FE} = R2_{FE} = 48\text{lb/yr}/12\text{ mo/yr}/30\text{ days/mo} = .133\text{ lb/day}$$

### MAXIMUM ROG Emissions

$$\begin{aligned} R1 = R2 &= 6.09 \text{ (highest mo. daily tank emiss)} + .133 \text{ (avg fugitive emiss)} \\ &= 6.223 \text{ lb/day} \\ &\approx 0.26 \text{ lb/hr} \end{aligned}$$

### ERC Determination

The highest monthly emission calculated by the EPA Tank 4.09b program (August @ 150.8lb) divided by 30  $\approx$  6.09 lb/day plus the fugitive emissions  $\approx$  0.133 lb/day  $\approx$  6.223 lb/day

**The required offset = 6.223 lb/day x 1.2  $\approx$  7.47 lb/day Rounded to nearest lb = 7 lb/day.**

### HEALTH RISK ASSESSMENT

Emissions used to calculate health risk are taken from the EPA Tanks program Crude Oil profile. This profile represents average content of toxic air contaminants typically found in Crude Oil.

### Summary of Air Toxics Emissions from EPA Tank 4.09b Spreadsheet

Toxic Compound	Annual Emissions <sup>1</sup> (lb/yr)	Avg Emissions (lb/hr)
Benzene	13.68	1.56E-03
Ethyl benzene	7.50	8.56E-04
Hexane (n-)	10.24	1.17E-03
Toluene	19.60	2.24E-03
Xylenes	26.14	2.98E-03

1. Based on maximum throughput of 255 turnovers/year.

### MICR and HAZARD INDEX by Tier 2 (See Risk Spreadsheets, Attached)

Basis:

- Emissions from domed external floating roof tank are best modeled in Tier 3 by a volume source calculation modified such that the source height is the top of the tank.
- The tanks VOC emissions are calculated by the EPA 4.0.9b Tanks program.
- Air Toxics are calculated from crude oil toxics fractions in the Tanks program.
- Emissions are assumed to be distributed evenly over 24 hours per day, 365 days per year.
- The MICR (commercial and residential) is calculated by spreadsheet using the updated risk program. (Tier 3 emission concentrations were unchanged and imported from AN478611 evaluation.)

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- Distances to receptors provided by applicant.
- The results of the RISK Spreadsheet calculations of are summarized in the following tables:

MICR

Carcinogen	Emission Rate (lb/hr)	MICR	
		Sensitive/Residential	Worker/Commercial
Benzene	0.00156	4.17E-08	5.12E-08
Ethylbenzene	0.000856	3.98E-08	4.89E-08
<b>Totals</b>	<b>n/a</b>	<b>8.16E-08</b>	<b>1.00E-07</b>

**HIA & HIC**

HIA and HIC are calculated by spreadsheet using Tier 2 methods

VARIABLES			Cancer Burden	no
Hour/Day	24	hr/day		
Day/Week	7	day/wk	X/Q for one-in-a-million:	
Week/Year	52	wk/yr	Distance (meter)	
Units	lb/hr	lb/hr or ppm	Area (km2):	
Exhaust Flow Rate	N/A	scfm	Population:	
Control Efficiency	0	%	<b>Cancer Burden:</b>	
Point Source?	V	p or v	No cancer burden, MICR < 1 in 1 million	
Stack Height	40	feet		
Area	962	sq. ft.		
Distance-Residential	385	meters		
Distance-Commercial	63	meters		
Met. Station		Long Beach		

HIA = [Q(lb/hr) * (X/Q)max] / Acute REL	HIA	HIC
HIC = [Q(ton/yr) * (X/Q) * MET * MP] / Chronic REL		
Target Organs	Acute	Chronic
Cardiovascular or blood system		4.96E-05
Central or peripheral nervous system		
Gastrointestinal system and liver		
Immune system	7.42E-05	2.44E-04
Kidney		4.96E-05
Reproductive system	1.42E-05	
Respiratory system	6.98E-05	1.51E-04
Skin	6.98E-05	
Eye		4.96E-05
Endocrine system	4.40E-06	2.38E-04

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**RULES EVALUATION:**

CEQA: The CEQA Applicability Form (400-CEQA) indicates that the project does not have any impacts which trigger the preparation of a CEQA document. The expected impacts of the project on the environment are not significant, therefore a CEQA analysis is not required.

212: Public Notice is not required since emission increases from the project (ROG = 6.22 lb/day) are below threshold (30 lb/day). Tank has an MICR less than one in a million. There is no Cancer Burden. HIA and HIC are less than one. There is no school within 1000 feet.

401: Visible emissions are not expected under normal operation from storage tanks.

402: Compliance records indicate that there are no N/C and NOV's for the past three years and the facility is expected to continue in compliance with the rule.

Rule 463 – Organic Liquid Storage, Amended May 6, 2005

463(c)(2): Internal floating roof tank consists of a steel pan floating roof, mechanical shoe primary seal (Category A) and A rim-mounted single wiper, secondary seal system (Category A). Both primary and secondary seals are independently attached, separate from each other. All openings and fittings shall be gasketed. The concentration of organic vapors in the vapor space cannot exceed 30% of LEL. Compliance is expected.

463(d)(1): This paragraph applies to tanks with capacity between 251 -19,815 gallons. It is not applicable since Tank 477 working capacity is 262,676 gallons

463(d)(2): This paragraph requires the roof to rest on the product at all time and that emptying and filling of product must be continuous such that the roof never rests on its leg except for cleaning. Normal tank operation will comply with this requirement.

463(d)(3): Not applicable since the HB does not operate a facility for treatment of wastewater used to refloat the tank roof as specified in this rule.

463(d)(4): This paragraph limits true vapor pressure to 11psia or lower. Permit conditions for Tank 477 restrict contents to crude oils tanks with RVP of 3 or lower.

463(d)(5): Seals replacement. Not applicable. New Tank will have new category A seals.

463(e)(1): The applicant is required to submit an updated Rule 463 compliance plan before Tank 477 may be placed in service.

463(e)(2): The new tanks will have visible identification number.

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463(e)(3): Inspection and notification requirements are required by permit conditions and addressed the facility's Rule 463 compliance plan. Tank 477 will be added to the compliance plan before it is placed in service.

463(e)(4): Maintenance requirement is effective upon completion of new tanks construction

463(e)(5): Reporting and Recordkeeping requirements are effective upon completion of new tanks construction

Rule 1149 – Storage Tank Cleaning and Degassing, Amended May 2, 2008

VOC emissions during cleaning and degassing of Tank 477 are to be controlled by one of the control methods mentioned in this rule. Compliance is expected.

Rule 1173 – Fugitive Emissions of Volatile Organic Compounds, Amended Feb 6, 2009

Rule 1173 categorizes leak types and stipulates maintenance & reporting requirements for fugitive components. The applicant is required to include these new installed components as a result of this project into their existing 1173 inspection and maintenance program. HB will be required to provide an updated fugitive count when construction has been completed. Compliance is expected.

Rule 1178 – Further Reductions of VOC Emissions from Storage Tanks at Petroleum Facilities

Not applicable. The Chevron HB Facility has not reported emissions exceeding 40,000 pounds of VOC in year 2000 or any year thereafter.

REGULATION XIII – New Source Review

1303(a): BACT.

BACT for internal floating roof tanks is listed in the table below. BACT for internal floating roof tanks are Category A primary seal and secondary seals. The applicant has proposed to install a mechanical shoe primary seal and a rim-mounted wiper secondary seal system. BACT for fugitives is not triggered since fugitive emissions is less than one pound per day.

Current BACT for Storage Tanks

Equipment	VOC	NO <sub>x</sub>	SO <sub>x</sub>	CO	PM <sub>10</sub>
Internal Floating Roof	Category A Tank Seals and Comply with Rule 463 (10-20-2000)				

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1303(b)      Modeling:      Not required for ROG.  
                  Offsets:      This modification will increase of ROG emissions by 1.223  
    lb/day/tank x 1.2 = 1.47 lb/day. Rounded to 1 lb/day of offset ERC's  
    required.

Sensitive Zone: Chevron Products Co. Refinery in El Segundo has transferred Certificate No. AQ007778 for 7 lb VOC to the HB Terminal Account. 6 lbs of ERCs were used for AN478611 leaving 1 pound to offset emissions due to the requested modifications. There are sufficient ERCs to offset the emission increase.

Facility Compliance: This facility is in compliance with the rules and regulations of the District.

Major Polluting Facility: HB is not a major polluting facility.

Rule 1401 New Source Review of Toxic Air Contaminants

The maximum toxic constituents for each tank yield MICR values less than one in a million. HIA and HIC are each less than one. Compliance is expected.

40 CFR 60 Subpart Kb

These new internal floating roof tanks will be equipped with primary and secondary seals.

40 CFR 63 Subpart BBBBBB

These tanks will comply with the applicable requirements of this rule by complying with Kb and Rule 463.

Reg XXX      The facility is subject to Reg XXX. A Title V Permit Revision is required and is subject to 45 day EPA Review. The applicant has filed AN501915 for Title V Permit revision. AN501915 will be used to incorporate AN478611 and AN502610 in Revision 1 of Section H of the TV permit.

**CONCLUSION:**

This project will meet all District Rules and Regulations. It is recommended that a Permit to Construct be granted subject to the attached conditions. Applicant will be required to apply for Rule 463 plan revision to include Tank 477.

**CONDITIONS:**

1. OPERATION OF THIS EQUIPMENT SHALL BE CONDUCTED IN COMPLIANCE WITH ALL DATA AND SPECIFICATIONS SUBMITTED WITH THE APPLICATION UNDER WHICH THIS PERMIT IS ISSUED UNLESS OTHERWISE NOTED BELOW.  
 [RULE 204]

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2. THIS EQUIPMENT SHALL BE PROPERLY MAINTAINED AND KEPT IN GOOD OPERATING CONDITION AT ALL TIMES.  
[RULE 204]
3. DURING ANY TIME WHEN THE TANK IS EMPTIED AFTER HAVING LAST CONTAINED A VOC WITH A REID VAPOR PRESSURE GREATER THAN 0.5 PSIA AND THE FLOATING ROOF WILL REST ON ROOF LEGS, THIS TANK SHALL MEET THE REQUIREMENTS REGARDING THE VENTING, DEGASSING, OR VAPOR TIGHT PROVISIONS OF RULE 1149 AS APPLICABLE.  
[RULE 1149]
4. THIS TANK SHALL BE EMPTIED AND REFILLED ACCORDING TO THE REQUIREMENTS OF RULE 1149 AND RULE 463.  
[RULE 463, RULE 1149, RULE 1303(a)(1)-BACT]
5. THE OPERATOR SHALL USE THIS EQUIPMENT IN SUCH A MANNER THAT THE HYDROCARBON CONCENTRATION BEING MONITORED, AS INDICATED BELOW, DOES NOT EXCEED 30 PERCENT OF THE LOWER EXPLOSIVE LIMIT (LEL). AN EXPLOSIMETER SHALL BE USED TO MONITOR THE HYDROCARBON CONCENTRATION IN THE VAPOR SPACE ABOVE THE INTERNAL FLOATING ROOF TWICE PER YEAR AT A 4 TO 8 MONTHS INTERVAL. ADEQUATE RECORDS SHALL BE KEPT TO SHOW COMPLIANCE WITH THIS CONDITION.  
[RULE 463]
6. THE OPERATOR SHALL LIMIT THE USE AND THROUGHPUT TO NO MORE THAN THE 132,898 BARRELS PER CALENDAR MONTH WITH CRUDE OIL NOT TO EXCEED A REID VAPOR PRESSURE OF 6 PSIA.

THE OPERATOR SHALL COMPLY WITH THE FOLLOWING THROUGHPUT MEASUREMENT PRACTICES:

THE OPERATOR SHALL CALCULATE THE THROUGHPUT, IN BARRELS, BY THE FOLLOWING EQUATION:  $0.14 \times D \times D \times L$ , WHERE "D" IS THE DIAMETER OF THE TANK IN FEET BASED ON THE TANK STRAPPING CHART AND "L" IS THE TOTAL VERTICAL ONE-WAY ROOF TRAVEL IN FEET PER MONTH.

THE OPERATOR SHALL INSTALL AND MAINTAIN AN AUTOMATIC TANK LEVEL GAUGE (ATLG) AND RECORDER TO CONTINUOUSLY RECORD THE VERTICAL MOVEMENT OF THE ROOF. FOR THE PURPOSE OF THIS CONDITION, CONTINUOUS RECORDING IS DEFINED AS ONCE PER HOUR.

THE OPERATOR SHALL CALCULATE THE TOTAL ONE-WAY ROOF MOVEMENT, IN FEET, ON A DAILY AND MONTHLY BASIS.

THE ATLG INSTALLED SHALL BE VERIFIED ONCE PER QUARTER BY COMPARING AGAINST A MANUAL TANK LEVEL MEASUREMENT. IF THE ATLG DIFFERS FROM THE MANUAL TANK LEVEL MEASUREMENT BY MORE THAN 1.0 INCH OR 0.8%, WHICHEVER IS GREATER.

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.IN THE EVENT OF A FAILURE OR ROUTINE MAINTENANCE OF THE ATLG, THE ATLG SHALL BE REPAIRED (IF NECESSARY) AND PUT BACK INTO SERVICE WITHIN 10 DAYS OF THE TIME THAT THE ATLG FAILED OR WAS REMOVED FROM SERVICE FOR MAINTENANCE. WHILE THE ATLG IS BEING REPAIRED OR MAINTAINED, THE THROUGHPUT SHALL BE DETERMINED BY THE SMITH MODEL F4-S1, 4 INCH POSITIVE DISPLACEMENT METER (OR EQUIVALENT) INSTALLED ON THE TANK OUTLET.

[RULE 1303(b)(2)-OFFSET, RULE 1401]

7. REFILLING OR DEGASSING OPERATIONS OR OTHER OPERATION WHERE THE FLOATING ROOF WILL REST ON ITS LEGS SHALL BE RECORDED AND MAINTAINED FOR AT LEAST FIVE YEARS AND MADE AVAILABLE TO THE DISTRICT UPON REQUEST. SUCH RECORDS SHALL INCLUDE, BUT NOT BE LIMITED TO, THE TANK IDENTIFICATION AND TIME OF START AND FINISH OF OPERATION BEFORE AND AFTER THE OPERATION.  
[RULE 1149]
8. THE OPERATOR SHALL KEEP ADEQUATE RECORDS TO SHOW COMPLIANCE WITH THE LIMITATIONS SPECIFIED IN THIS PERMIT. SUCH RECORDS SHALL BE MAINTAINED AND KEPT ON FILE FOR AT LEAST FIVE YEARS AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.  
[RULE 463, RULE 1149, RULE 1303(b)(2)-OFFSET, RULE 1401, 40 CFR 60 SUBPART Kb, 40 CFR 63 SUBPART BBBBBB]
9. THE OPERATOR SHALL PROVIDE TO THE DISTRICT, NO LATER THAN 60 DAYS AFTER INITIAL STARTUP, A RECALCULATION OF THE FUGITIVE EMISSIONS BASED ON ACTUAL COMPONENTS INSTALLED AND REMOVED FROM SERVICE. THE OPERATOR SHALL ALSO PROVIDE COMPLETE, AS BUILT, PIPING AND INSTRUMENTATION DIAGRAM(S) AND COPIES OF REQUISITION DATA SHEETS FOR ALL NON-LEAKLESS VALVES WITH A LISTING OF TAG NUMBERS.  
[RULE 1303(b)(2)-OFFSET]
10. ALL NEW VALVES AND MAJOR COMPONENTS IN VOC SERVICE AS DEFINED BY RULE 1173, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173 SHALL BE DISTINCTLY IDENTIFIED FROM OTHER COMPONENTS THROUGH THEIR TAG NUMBERS (E.G., NUMBERS ENDING IN THE LETTER "N"), AND SHALL BE NOTED IN THE RECORDS.  
[RULE 1173, 1303(a)(1)-BACT]
11. ALL NEW COMPONENTS IN VOC SERVICE AS DEFINED IN RULE 1173, EXCEPT VALVES AND FLANGES, SHALL BE INSPECTED QUARTERLY USING EPA REFERENCE METHOD 21. ALL NEW VALVES AND FLANGES IN VOC SERVICE, EXCEPT THOSE SPECIFICALLY EXEMPTED BY RULE 1173, SHALL BE INSPECTED MONTHLY USING EPA METHOD 21.  
[RULE 1173]
12. IF 98.0 PERCENT OR GREATER OF THE NEW (NON-LEAKLESS TYPE) VALVES AND THE NEW FLANGE POPULATION INSPECTED IS FOUND TO LEAK GASEOUS OR LIQUID VOLATILE ORGANIC COMPOUNDS AT A RATE LESS THAN 200 PPMV FOR TWO CONSECUTIVE MONTHS, THEN THE OPERATOR MAY CHANGE TO A QUARTERLY INSPECTION PROGRAM WITH THE APPROVAL OF THE DISTRICT.  
[RULE 1173, 1303(a)(1)-BACT EXEMPTION, 1303(b)(2)-OFFSET]

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13. ALL NEW COMPONENTS IN VOC SERVICE WITH A LEAK GREATER THAN 200 PPMV BUT LESS THAN 1,000 PPMV, AS METHANE, MEASURED ABOVE BACKGROUND USING EPA METHOD 21 SHALL BE REPAIRED WITHIN 14 DAYS OF DETECTION. COMPONENTS SHALL BE DEFINED AS ANY VALVE, FITTING, PUMP, COMPRESSOR, PRESSURE RELIEF VALVE DEVICE, DIAPHRAGM, HATCH, SIGHT-GLASS, AND METER, WHICH ARE NOT EXEMPTED BY RULE 1173.  
[RULE 1173, 1303(a)(1)-BACT EXEMPTION, 1303(b)(2)-OFFSET]
  
14. THE OPERATOR SHALL KEEP RECORDS OF THE MONTHLY INSPECTION (QUARTERLY WHERE APPLICABLE), SUBSEQUENT REPAIR, AND RE-INSPECTION, IN A MANNER APPROVED BY THE DISTRICT. RECORDS SHALL BE KEPT AND MAINTAINED FOR AT LEAST TWO YEARS, AND SHALL BE MADE AVAILABLE TO THE EXECUTIVE OFFICER OR HIS AUTHORIZED REPRESENTATIVE UPON REQUEST.  
[RULE 1173]
  
15. FINAL DRAWINGS AND/ OR SPECIFICATIONS OF THIS EQUIPMENT INSTALLED/ CONSTRUCTED SHALL BE SUBMITTED TO THE DISTRICT WITHIN 60 DAYS PRIOR TO THE OPERATION OF THE EQUIPMENT. THIS SUBMISSION SHALL ALSO INCLUDE FINAL INSTALLED FUGITIVE COMPONENT COUNTS.  
[RULE 1173, 1303(b)(2)-OFFSET]
  
16. PRIOR TO PLACING TANK 477 IN SERVICE, APPLICANT SHALL SUBMIT A RULE 463 PLAN MODIFICATION APPLICATION TO INCLUDE TANK 477.  
[RULE 204, RULE 463]

**PERIODIC MONITORING: NONE**

**EMISSIONS AND REQUIREMENTS:**

17. THIS EQUIPMENT IS SUBJECT TO THE APPLICABLE REQUIREMENTS OF THE FOLLOWING RULES AND REGULATIONS:
  - VOC:           RULE 463
  - VOC:           RULE 1149
  - VOC:           RULE 1173
  - VOC:           40 CFR 60 SUBPART KB
  - HAP/TOC:      40 CFR 63 SUBPART BBBB

NSR DATA SUMMARY SHEET

Application No: 501915  
Application Type: Significant permit revision  
Application Status: PENDAPPRV  
Previous Apps,Dev,Permit #: NONE

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Company Name: CHEVRON PRODUCTS COMPANY  
Company ID: 800302  
Address: 17881 GOTHARD ST,HUNTINGTON BEACH, CA 926  
RECLAIM: NO  
RECLAIM Zone: 01  
Basin: SC  
Zone: 18  
Title V: YES

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Device ID: 0 - TITLE-V  
Estimated Completion Date: 12-30-2009  
Heat Input Capacity: 0 Million BTU/hr  
Priority Reserve: NONE - No Priority Access Requested  
Recommended Disposition: 32 - BANKING/ PLAN GRANTED  
PR Expiration:  
School Within 1000 Feet: NO  
Operating Weeks Per Year: 52  
Operating Days Per Week: 7  
Monday Operating Hours: 00:00 to 24:00  
Tuesday Operating Hours: 00:00 to 24:00  
Wednesday Operating Hours: 00:00 to 24:00  
Thursday Operating Hours: 00:00 to 24:00  
Friday Operating Hours: 00:00 to 24:00  
Saturday Operating Hours: 00:00 to 24:00  
Sunday Operating Hours: 00:00 to 24:00

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Emittant:            ROG  
BACT:  
Cost Effectiveness:    NO  
Source Type:         MINOR  
Emis Increase:        0  
Modeling:            N/A  
Public Notice:        N/A  
CONTROLLED EMISSION  
  Max Hourly:         0 lbs/hr  
  Max Daily:          0 lbs/day  
UNCONTROLLED EMISSION  
  Max Hourly:         0 lbs/hr  
  Max Daily:          0 lbs/day  
CURRENT EMISSION  
  BACT 30 days Avg:    0 lbs/day  
  Annual Emission:    0 lbs/yr  
District Exemption:    None

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SUPERVISOR'S APPROVAL: \_\_\_\_\_ SUPERVISOR'S REVIEW DATE: \_\_\_\_\_

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Processed By: twitte 10/27/2009 1:30:40 PM



## Global Marketing



**Kenneth Yee**  
HES Specialist

Global Marketing Strategy &  
Support  
Chevron Products Co  
17881 Gothard Street  
Huntington Beach, Ca. 92647  
Tel (714) 843-0866  
Fax (714) 843-5839  
Cell (714) 614-4415  
KenYee@Chevron.com

August 14, 2009

South Coast Air Quality Management District  
PO Box 4944  
Diamond Bar, CA 91765

To whom it may concern:

Please process this Title V application revision to include the Permit to Construct A/N # 478611 under our Title V facility #800302.

Permit to Construct issued for storage tank #477, crude oil, internal floating roof tank.

Included are application and permit revision fee of \$843.80.

If you should have any questions please feel free to contact me at the above numbers.

Sincerely,

A handwritten signature in black ink that reads "Ken Yee".

Ken Yee  
Health, Environment Safety Specialist

Chevron Products Company  
A Division of Chevron U.S.A. Inc.  
P.O. Box 9034  
Concord CA 94524

CHECK DATE: 08/11/2009  
CHECK NO: 0025783982  
PAYEE REF: 0010284442  
COMPANY NO: 0061  
MAIL CODE: 11EC0



SOUTH COAST AIR QUALITY MANAGEMENT  
DISTRICT  
ATTN STANDARD PERMITS  
PO BOX 4944  
DIAMOND BAR, CA 91765

ADDRESS INQUIRIES TO: P.O. Box 9034, Concord, CA 94524-1934  
PHONE CONTACT: 925-827-7741 FAX CONTACT: 925-680-3534

INVOICE DATE	INVOICE #.	OUR REFERENCE #.	GROSS AMT.	DISC. AMT.	NET AMT.
08/10/2009	090810SOU	0019034353	\$843.80		\$843.80
TITLE V PERMIT REVISION FOR FACILITY 800302					

DETACH AND RETAIN THIS STUB FOR YOUR RECORDS

CHECK # 0025783982 ATTACHED BELOW

CERTIFIED MAIL™

Chevron Hunting  
Ken Yee, Health  
17881 Gothard Street  
Huntington Beach, California 92647-5262



7009 0820 0000 4597 7387



1000



91785

U.S. POSTAGE  
PAID  
HUNTINGTON BEACH, CA  
RUC 92647-09  
AMOUNT  
\$6.15  
00069657-16

RETURN RECEIPT  
REQUESTED

FIRST CLASS

*Shel Snyder*  
*1414 1/2*  
*1414 1/2*

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT  
21865 COPLEY DRIVE  
DIAMOND BAR, CA. 91765



*3 pd*